

Public Works & Community Development Committee

Agenda

November 7, 2024

12:00 PM



119 W FIRST STREET
CLE ELUM, WA 98922

CITY ADMINISTRATOR
ROBERT OMANS

CITY CLERK
DEBBIE LEE

FINANCE DIRECTOR
ROBIN NEWCOMB

PUBLIC WORKS

POLICE CHIEF
RICH ALBO

FIRE CHIEF
ED MILLS

PLANNER

MAYOR
MATTHEW LUNDH

MAYOR PRO TEM
STEVEN HARPER

PUBLIC WORKS &
COMMUNITY
DEVELOPMENT
COMMITTEE
AUDREY MALEK
KEN RATLIFF
JERRED WEIS - CHAIR

CITY ATTORNEY
ALEXANDRA KENYON

Join Virtually with Zoom: <https://zoom.us/j/7573184018?pwd=dERndjBJVC9GdVQ1d2ISRExwZFhXZz09>

Meeting ID: 757 318 4018 Passcode: 98922

Join by Phone: 1-(253)215-8782, Meeting ID: 757 318 4018, Passcode:98922

 Receive city text alert notifications: text CLEELUM to 91896

DISCLAIMER: The City does not guarantee that virtual or telephonic access to the City Council meeting will be available and the City does not warrant audio quality. Attendees are encouraged to attend in-person.

1. **Call to Order/Pledge of Allegiance**
2. **Unfinished Business**
 - a. Veolia Contract - Regional Vice President Veolia - Melissa Sandvold
 - b. Waste Management Contract
 - c. Cemetery Clean Up - Discussion
 - d. Snow Removal Update - Mayor Lundh
3. **New Business**
 - a. Approve October 3, 2024, Public Works & Community Development Committee Minutes
 - b. 2024 Draft Construction and Design Standards Update - Jakob Michael HLA
 - c. Flag Pole Park - Gary Berndt
 - d. Greenway Kiosk Update - (Wye Park) Discussion - Nicky Pasi
 - e. Jerke Rental Property Leak Adjustment - Utility Clerk Audrey Casassa
4. **Other Committee Comments**
5. **Adjourn**

Upcoming Meetings:

Next Public Works & Community Development Committee Meeting: December 5, 2024, 2024 @ 12:00

Public Works & Community Development Committee Agenda November 7, 2024

119 W FIRST STREET
CLE ELUM, WA 98922

p.m.

Regular Council Meeting: November 12, 2024 @ 6:00 p.m.

Planning Commission Meeting: November 19, 2024 @ 6:00 p.m.

General Government Committee Meeting: November 27, 2024 @ 8:30 a.m.

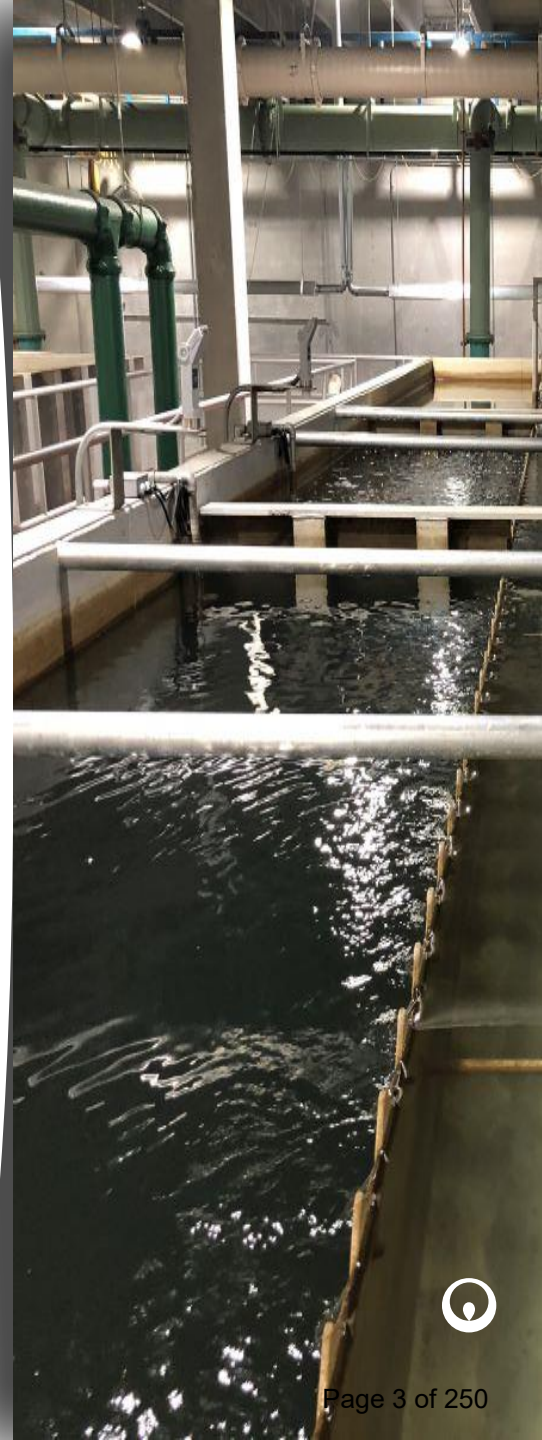
Lodging Tax & Events Committee Meeting: November 12, 2024 @ 8:30 a.m.

Public Safety & Health Committee Meeting: November 19, 2024 @ 1:00 p.m.

Coal Mines Trail Commission Meeting: December 2, 2024 @ 6:00 p.m.

Historical Preservation Commission Meeting: November 19, 2024 @ 3:00 p.m.

City of Cle Elum– Water/Wastewater Services



Who is Veolia?

The biggest Company many have never heard of
>218,000 employees Worldwide

The largest Environmental Company in the World
5 continents in 3 main sectors – Water/Waste/Energy Management

Your service provider for water /wastewater services
Serving Cle Elum and the surrounding communities since 2005

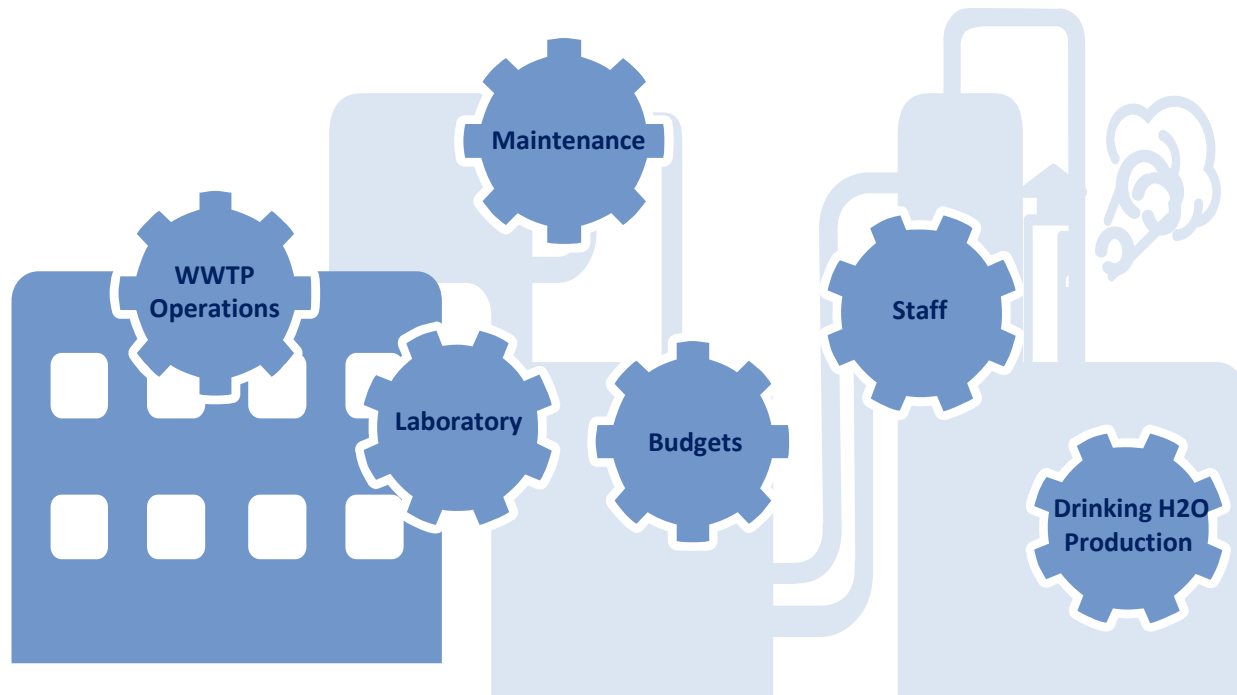
*Our Mission: to design and provide useful and practical
solutions for water /waste and energy to help turn the tide
in protecting the environment*

EVERY COMMUNITY HAS NEEDS

- ***Water supply for the citizens and ratepayers***
- ***Wastewater services for all residents and businesses in the region***
- ***Long term energy efficiency for better service rates and community growth***
- ***Protection of assets to minimize capital investment and stabilize budgets***
- ***Environmental awareness to protect the environment for future generations***



System Functionality Minimums



How Does Having a Service Provider Help You?



Optimized Operations



Asset Management Programs



Long Term Planning for Capital / Funding Needs



Compliance and relationships with regulatory agencies



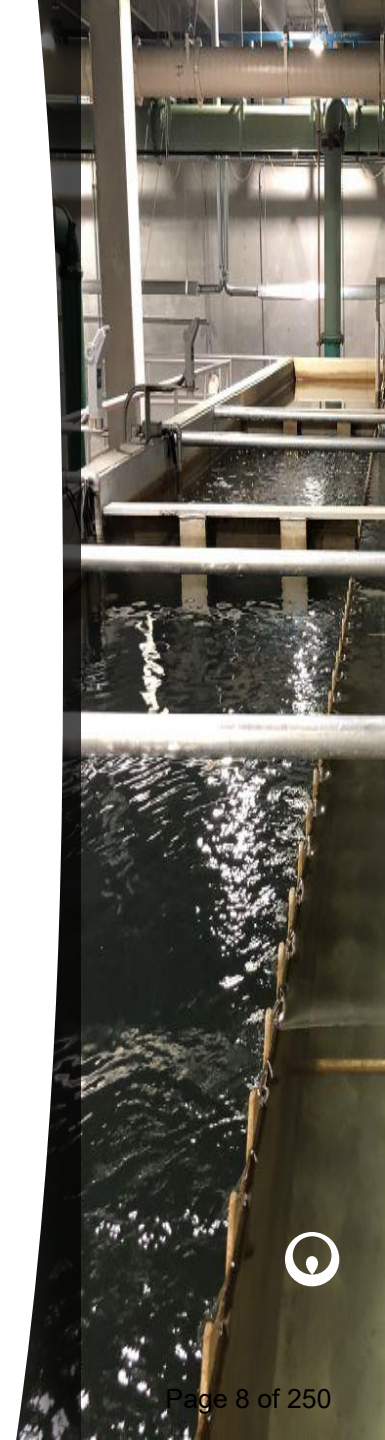
Protecting the environment while minimizing the impacts to the community /protecting your costly infrastructure and stabilizing rates for your citizens



Veolia Operations /Lab Benefits

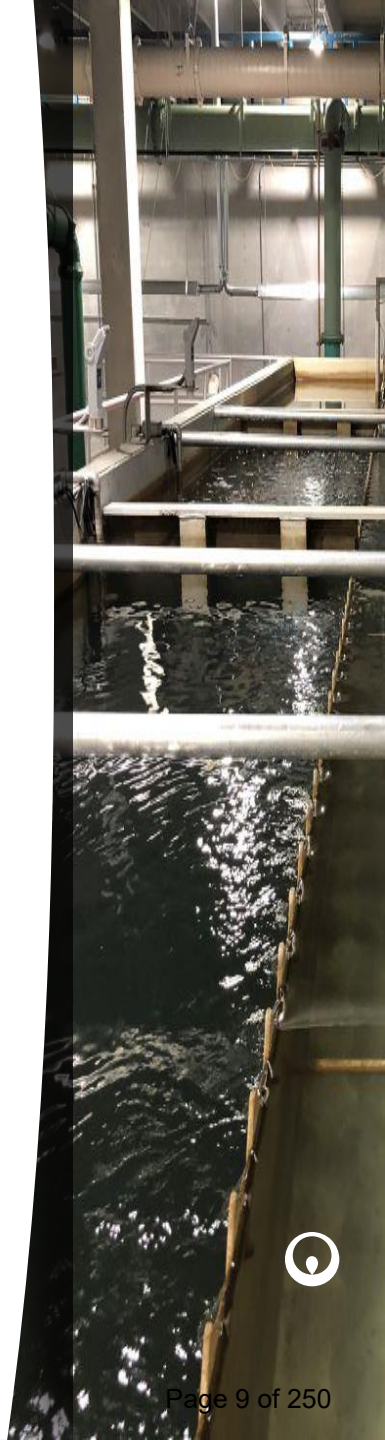
In addition to everyday operations and analysis:

- Full Compliance with regulatory and contract requirements
- PCMP – Process Control Management Plans
- HachWims data management
- SOP's – Standard Operating Procedures
- Continuous training
- Great regulatory relationships
- Fully defensible data and analysis results
- QA/QC programs
- PET's – Performance Evaluation Testing
- Enterprise software data tracking and trending
- Outside lab verification procedures
- Timely indications of process adjustment needs
- Support for any outliers

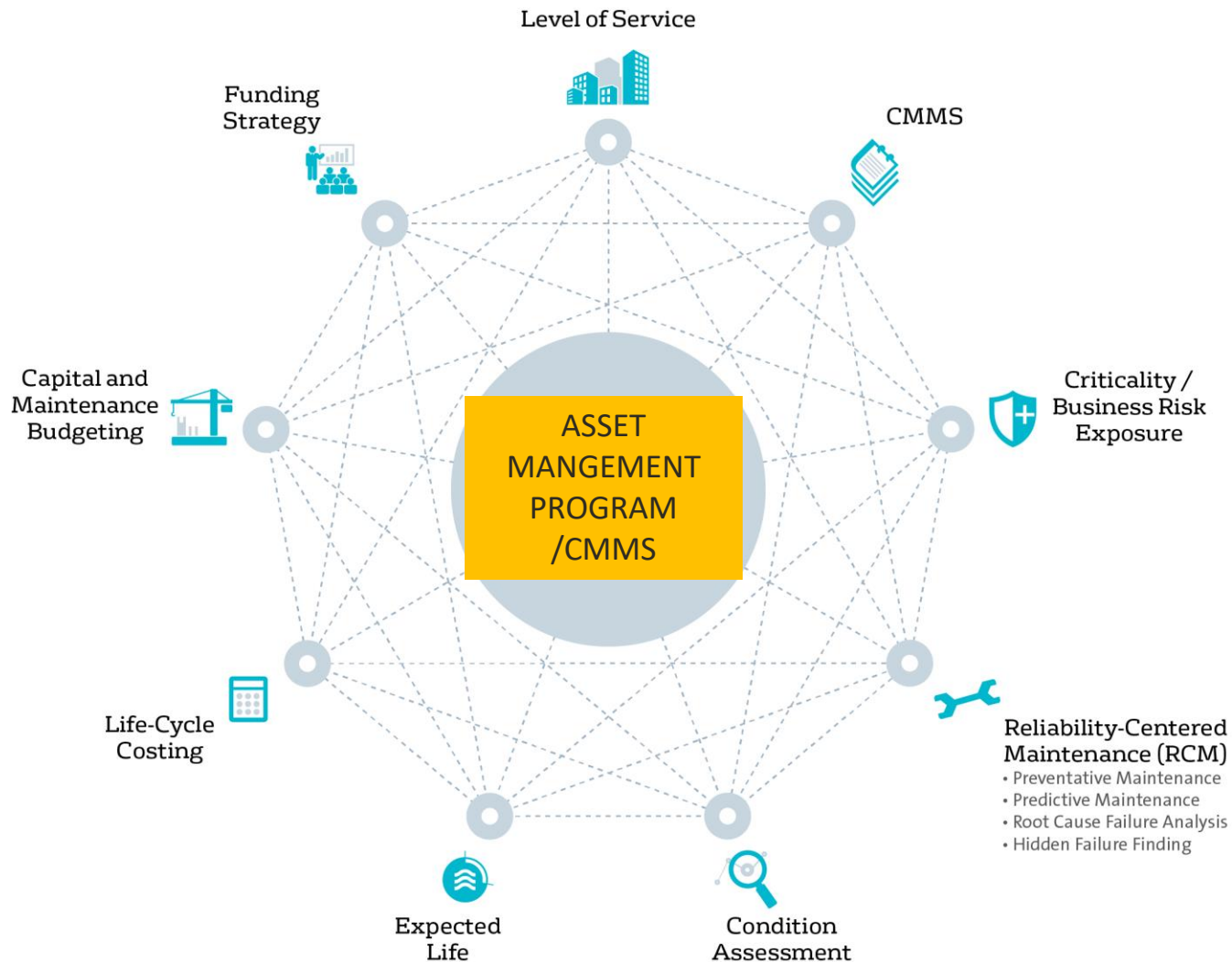


Veolia Asset Management Benefits

- Full Asset Inventory with established Hierarchy
- Criticality assessment for all categories
- Condition Assessment tracking
- Life Cycle costing data
- Maintenance and Capital budgeting data
- RCM reviews
- RCFA capabilities
- KPI and Auditing functions
- Enterprise CMMS data management
- Customizable reporting
- CMMS support
- Preventative tasks - assessments and reviews
- Corrective tasks prioritization
- No loss of history with staffing changes



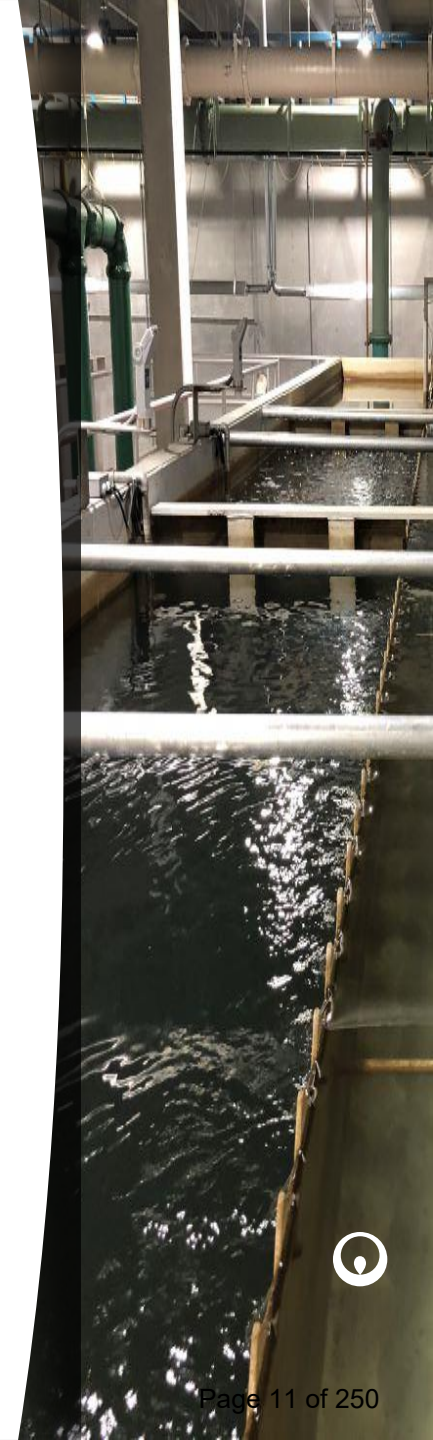
Veolia Asset Management/CMMS



Veolia Systems

Outputs from the CMMS systems and software:

- Data that supports direct /customized 5 year Capital Plans
- Tailored preventive and predictive task orders to protect the assets and feed the long term plans
- Nationwide library of suggested PMs and PdMs
- HachWims data management for all data
- SOP's – Standard Operating Procedures
- Policies and plans to assist in any emergency
- Continuous training
- Regulatory monitoring for upcoming changes in law
- Enterprise software data tracking and trending
- Timely indications of process adjustment needs through PCMP
- Corporate and Regional Support



Veolia Partnership Benefits

We have documented reviews by experts in the Region that state: “The systems developed by Veolia for Asset Managements (AMS) Computerized Maintenance Management (CMMS), Laboratory Management, Safety Training and Standard Operating Procedures (SOP’s) are all excellent and demonstrate “Best in Class” capabilities and performance. “

This operational expertise is demonstrated in many ways:

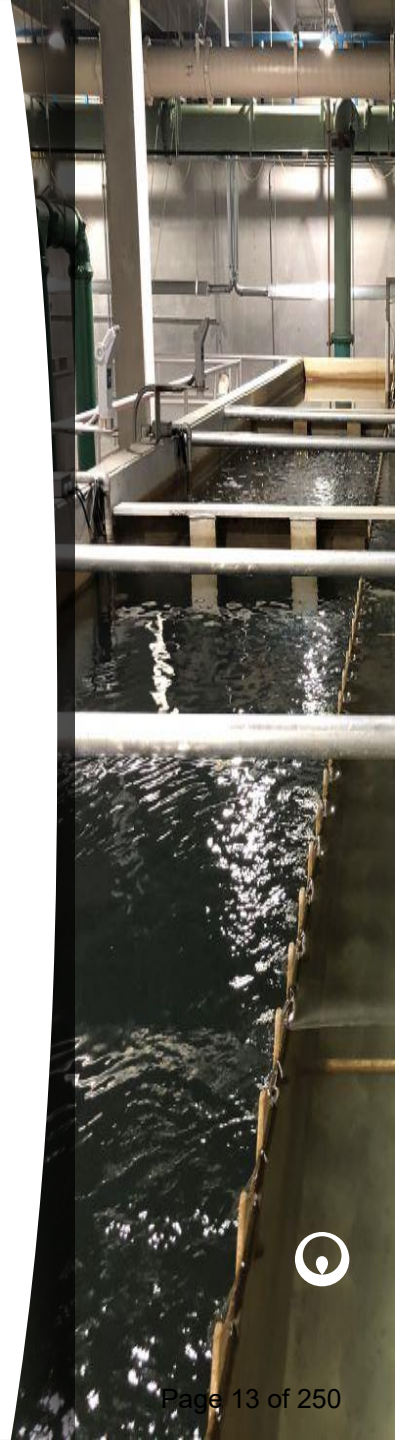
- Safety record – no lost time accidents over the life of the Cle Elum contracts
- Regulatory compliance – no violations over the life of the Cle Elum contracts
- Formalized training and safety programs- ongoing for the life of the contracts
- Extended life of equipment and scheduled visibility (5-10 years) for asset replacements and upgrades
- Usage of SCADA system to achieve reliable unattended operations with automated process control adjustments.



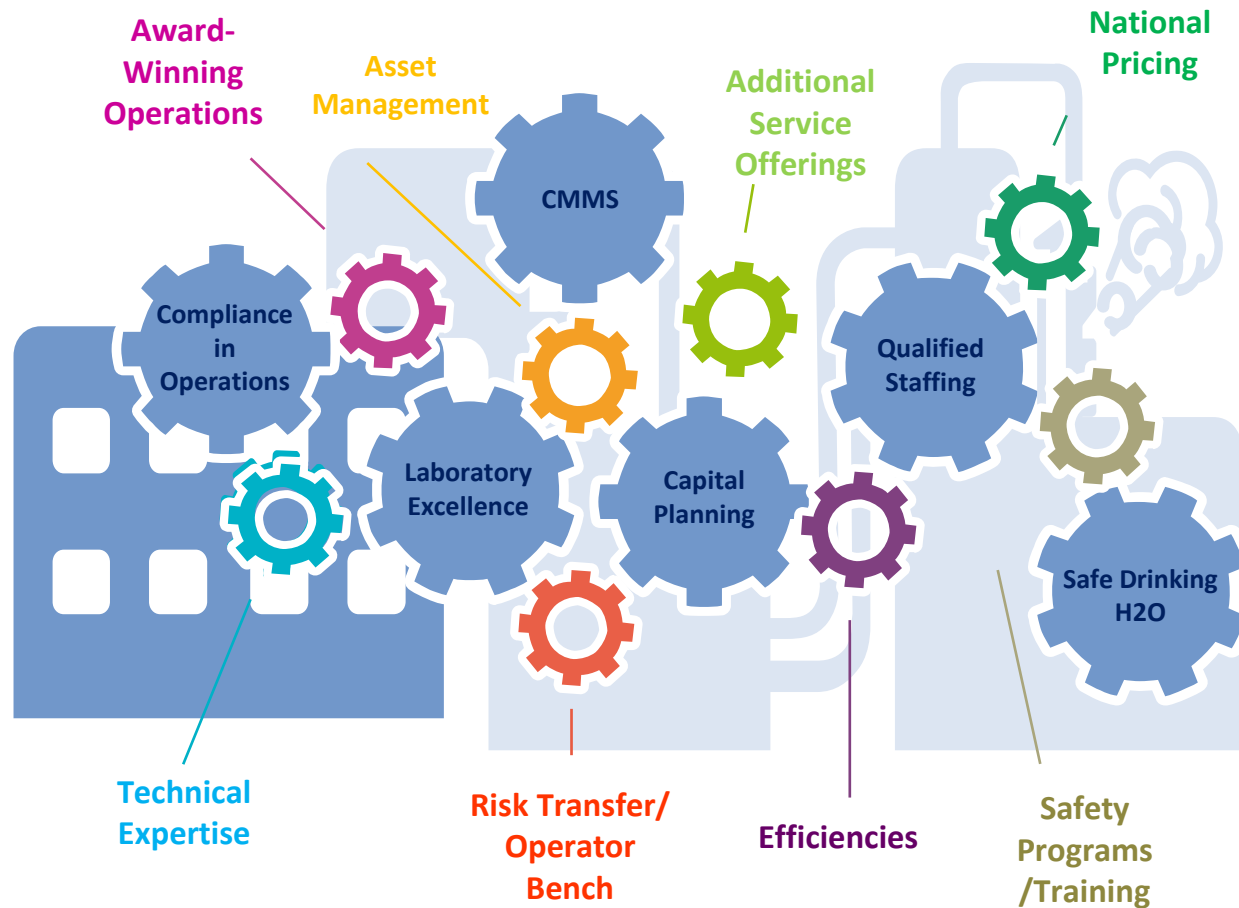
Veolia Regional/Corp Support Benefits

Assistance for the sites comes in many forms and from multiple disciplines:

- CMMS
- PCMP
- HachWims data management
- Laboratory QA/QC
- KPI review
- Contract compliance audits
- Safety training
- Safety audits
- New Asset support
- Equipment reviews and recommendations
- National vendor agreements
- Legal reviews
- Regulatory support
- HR support
- Bulk pricing discounts
- Energy and Capital Upgrades Support



Veolia's Value From our Perspective

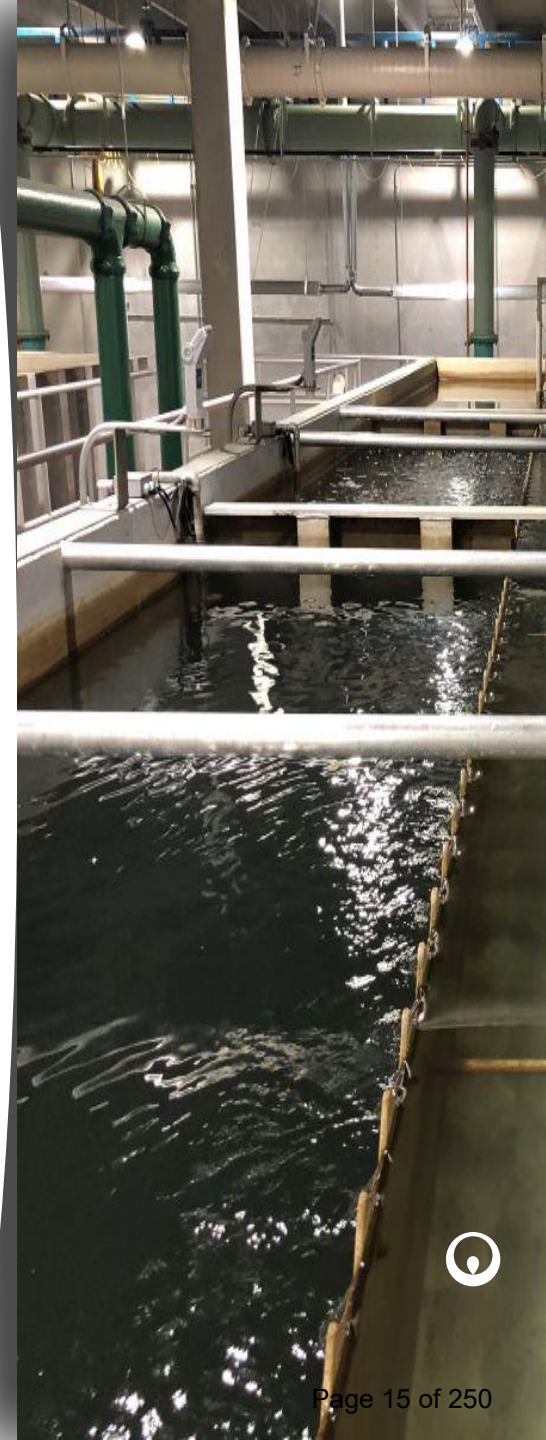


What really is Value?

According to Wikipedia-
The Customers Perceived
value of a service/product is the
difference between the
customer's evaluation of all the
benefits & all the costs.

Value is not about DOING things

Its about doing the RIGHT things



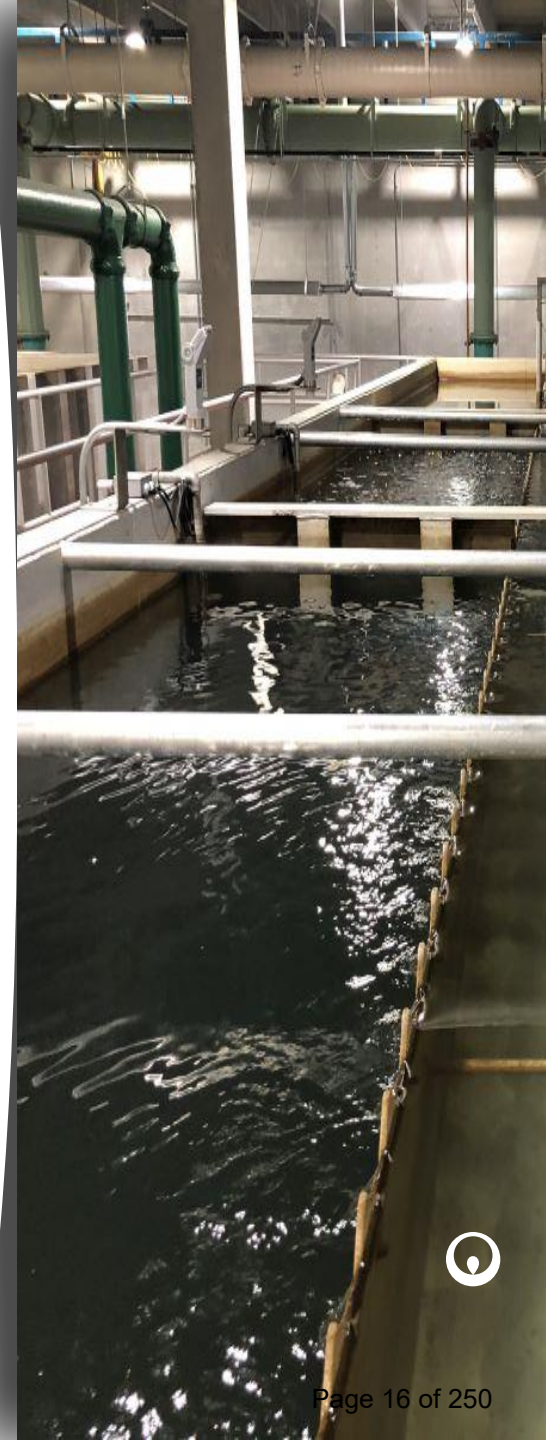
What does Value mean to YOU?

In the communications book by John Maxwell titled *“Everyone Communicates Few Connect”* there is an awesome quote by the owner of Gloria Jean’s Coffee -

*“We aren’t in the coffee business serving people.
We’re in the people business, serving coffee.”*

Each community we serve is unique with their own goals and challenges. In order to be a true partner, we need your feedback on the services we currently provide compared to the services you believe you need to meet your long term environmental goals!

How can we serve YOU?



AMENDED AND RESTATED SOLID WASTE AND RECYCLABLES
COLLECTION AGREEMENT

BETWEEN THE CITY OF CLE ELUM

AND

WASTE MANAGEMENT OF WASHINGTON, INC.

AMENDED AND RESTATED SOLID WASTE AND RECYCLABLES
COLLECTION AGREEMENT
BETWEEN THE CITY OF CLE ELUM
AND
WASTE MANAGEMENT OF WASHINGTON, INC.

This Amended and Restated Solid Waste and Recyclables Collection Agreement (“Agreement”) is entered into as of the Effective Date, as defined below, by and between the City of Cle Elum, a Washington municipal corporation (“City”) and Waste Management of Washington, Inc., a Delaware corporation (“Contractor”) for the collection, transportation, and disposal of Solid Waste. City and Contractor may be referred to herein collectively as the “~~PARTIES~~Parties” or individually as a “~~Party~~PARTY.”

RECITALS

WHEREAS, the Legislature of the State of Washington has authorized and required local agencies to make adequate provisions for solid waste handling within their jurisdictions; and

WHEREAS, City and Contractor are mindful of the provisions of the laws governing the safe collection, transport, recycling and disposal of solid waste; and

WHEREAS, Contractor has represented and warranted to City that it has the experience, responsibility, and qualifications to provide residents in the franchise area collection and safe transport to disposal facilities of municipal solid waste; and

WHEREAS, City declares its intention of maintaining reasonable rates for reliable, proven collection, transportation and disposal of solid waste within the area covered by this grant of franchise.

NOW, THEREFORE, in consideration of the covenants and promises contained herein, the PARTIES mutually agree to the following terms and conditions.

1. Definitions.

1.1 “**Effective Date**” means January ~~October 1, 2014~~1, 2025.

1.2 ~~“**Adjustment Date**” means January 1, 2013~~2026, and each January 1st thereafter during the term of this Agreement.

Commented [GS1]: Deleted by First Amendment, Dec 2021.

1.23 “**Bulky Goods**” means discarded large items of Solid Waste such as appliances, furniture, small auto parts, and other similar waste materials with weights and volumes greater than those allowed in waste collection bins, carts or other containers.

1.34 “**Cart**” means a Contractor-owned wheeled cart that is a plastic container with 35, 64, or 96 gallons of ~~C~~capacity; designed for and used with a hydraulic lifting mechanism; fitted with a sturdy handle and a cover; ~~be is~~ rodent and insect resistant; and ~~be~~ capable of holding collected liquids without spilling when in an upright position.

1.45 “**Commercial**” means non-single-family dwellings, and includes Multifamily Complex(es) and premises upon which business, governmental, religious, industrial, or educational

activity is conducted; however a business conducted upon a single-family dwelling which is permitted under applicable zoning regulations, and is not the primary use of the dwelling, are excluded....

1.65 “Container” means Contractor-owned metal container with capacities of 1.5 cubic yards or more.

1.6 “Contamination” occurs when a visual and/or electronic inspection of the Cart reveals that: (i) a Recyclables Container contains non-Recyclables (pursuant to the list of materials set forth in Exhibit B), or (ii) a Cart or Container contains Excluded Solid Waste.

1.7 “Curb or Curbside” means a location at a Residential property, within five feet of the public street without blocking sidewalks, driveways or on-street parking. If extraordinary circumstances preclude such a location, Curbside shall be considered a placement suitable to the resident, convenient to the Contractor’s equipment.

1.8 “Excluded Solid Waste” means the following materials, provided, however, that the Contractor and the City may in the future agree in writing to include any of the following materials as Solid Wastes subject to this Agreement:

- (a) Recyclable Materials, except for incidental quantities commingled with other Solid Waste;
- (b) Yard Debris, except for incidental quantities commingled with other Solid Waste;
- (c) Bulky Goods;
- (d) Animal manures, dead animals, and animal remains, including remains from slaughterhouses or butcher shops;
- (e) Grease waste or used cooking oil;
- (f) Sewage sludge, septic tank and cesspool pumpings, or other sludge;
- (g) Biomedical wastes as defined in RCW 70A.228.010~~70.95K.040~~;
- (h) Asbestos and asbestos-containing waste;
- (i) Universal wastes as defined in ~~Chapter 173-303~~ WAC 173-300-020 and 40 CFR § 273.9, including but not limited to batteries, pesticides, mercury-containing equipment, aerosol cans and universal waste lamps as defined therein;
- (j) Other wastes which require specialized disposal or treatment under state or federal law;
- (k) Hazardous Waste;
- ~~(k)(l)~~ (l) Radioactive materials; and
- ~~(H)(m)~~ (m) Other wastes that the Parties agree to from time-to-time in writing to be included as Excluded Solid Waste.

1.9 “Extra Unit” means excess Solid Waste or Recyclable Materials that do not fit in a customer’s primary Cart or Container, excluding Bulky Goods. For Cart service, Extra Units are measured in 32-gallon increments, and for customers whose primary Solid Waste Container is one (1) cubic yard or greater in rated capacity, an Extra Unit is measured 96-gallon increments. Contractor shall charge customers for any Extra Units collected, pursuant to in accordance with the Rates. contained in either a plastic bag or customer-owned can or cart. Extra may be contained in a cardboard box or

Amended and Restated Solid Waste and Recyclables
Collection Agreement Between the City Of Cle Elum and
Waste Management of Washington, Inc.

Page 2 of 27

Commented [SG2]: RCW 70A.228.010 - Recodified
<https://app.leg.wa.gov/RCW/default.aspx?cite=70A.228.010>

Commented [SG3]: WAC 173-300-020 – Recodified
[https://app.leg.wa.gov/wac/default.aspx?cite=173-300-020#:~:text=\(2\)%20%22Biomedical%20waste%22,human%20pathogenic%20microorganisms%20during%20research.](https://app.leg.wa.gov/wac/default.aspx?cite=173-300-020#:~:text=(2)%20%22Biomedical%20waste%22,human%20pathogenic%20microorganisms%20during%20research.)

Commented [SG4]: 40 CFR subchapter 273.9
<https://www.ecfr.gov/current/title-40/chapter-I/subchapter-I/part-273/subpart-A/section-273.9>

container marked "recycling". For Garbage Containers that are one (1) cubic yard or more in rated capacity, an Extra is 96 gallons. Contractor shall charge customers for any Extras collected, pursuant to the Rates.

1.10 **"Franchise Area"** means: (i) the entire territory included within the City limits as of the Effective Date of this Agreement; and (ii) such additional area within Kittitas County as may thereafter become included with the City limits from time to time due to annexation, incorporation or other means but only from and after the time as the Contractor is able to provide collection services in such additional area.

1.11 **"Hazardous Waste"** means wastes that are defined as hazardous, toxic, or dangerous waste, wastes or any other radioactive, volatile, corrosive, flammable, explosive, bio-hazardous, or toxic waste, substance or material, or contaminant, pollutant, or chemical, known or unknown, as defined by identified as such in any existing or future listed or characterized under applicable federal, state, or local law, statute, code, ordinance, rule, s or regulations, guideline, decree, or order relating to human health or the environment or environmental conditions, including, but not limited to any substance that is:

- (a) Defined as hazardous by 40.C.F.R. Part 261.3 and regulated as hazardous waste by the United States Environmental Protection Agency under Subtitle C of the federal Resource Conservation & Recovery Act, 42 U.S.C. §§ 6901 et seq., as amended by the Hazardous and Solid Waste Amendments ("HSWA") of 1984; the Toxic Substances Control Act, 15 U.S.C. §§ 2601 et seq.; and the Hazardous Materials Transportation Act, 49 U.S.C. §§ 6901 et seq.
- (a)(b) Defined as dangerous or extremely hazardous by WAC 173-303-040 and regulated as dangerous waste or extremely hazardous waste by the Washington State Department of Ecology under the State Hazardous Waste Management Act, Chapter 70A.300 RCW, or any other Washington State statute or regulation governing the treatment, storage, handling, or disposal of wastes and imposing special handling requirements similar to those required by Chapter 70A.300 RCW; and
- (c) Any substance that comes within the scope of this definition after the Effective Date of this Contract.
- (b)(d) Any substance that ceases to fall within this definition after the Effective Date of this Contract shall not be deemed to be Hazardous Waste.

1.12 **"Rates"** means the costs to be amounts charged by Contractor for to, and paid by, customers to Contractor for the collection services contemplated herein, and other services that Contractor may provide to customers, pursuant to the Service Rate Schedule set forth in Exhibit A, attached to this Agreement and incorporated herein, as may be adjusted pursuant to the terms of this Agreement....

1.13 **"Recyclables"** means the materials and specifications set forth in Exhibit B.

1.14 **"Residential"** means single family dwellings, duplexes, apartments, mobile homes, condominiums, and other residences where service is billed directly to the occupant of each residence.

1.15 **“Return Trip Fee”** means the fee charged when Contractor is requested by the customer to make a return trip due to no fault of the Contractor, which the Contractor can prove through documentation (e.g., the Containers were not placed at the curb on time and the driver documented that fact in a log or with a photograph).

1.15 **“Solid Waste”** means solid waste, as defined in RCW 70A.205.015 70.95.030(22), generated by or at any and all public and private Residential, commercial, and industrial sources located in the Franchise Area. Notwithstanding the definition of “solid waste” in RCW 70A.205.015 70.95.030(22), the definition of Solid Waste for purposes of this Agreement does not include those materials specifically identified herein as “Excluded Solid Waste”, unless the Parties subsequently agree in writing to include such materials within the definition of Solid Waste for purposes of this Agreement.

Commented [SG5]: RCW 70A.205.015
<https://apps.leg.wa.gov/rcw/default.aspx?cite=70A.205.015>

1.16 **“Recyclable Materials”** mean recyclable materials as defined in RCW 70.95.030(17) as “those solid wastes that are separated for recycling or reuse, such as papers, metals, and glass, that are identified as recyclable material pursuant to a local comprehensive solid waste plan.”

1.17 **“Yard Debris”** means yard debris as defined in RCW 70.95.030(28) as “plant material commonly created in the course of maintaining yards and gardens, and through horticulture, gardening, landscaping, or similar activities. Yard debris includes but is not limited to grass clippings, leaves, branches, brush, weeds, flowers, roots, windfall fruit, vegetable garden debris, holiday trees, and tree prunings four inches or less in diameter.”

Commented [SG6]: RCW 70.95.030(28)
<https://apps.leg.wa.gov/rcw/default.aspx?cite=70A.205.015>

2. **Exclusive Right ; Self-Haul Exclusion, and Subscription-based Recyclables Collection.**

2.1. The City does hereby grant to Contractor the exclusive duty, right and privilege to collect, transport, dispose, process or otherwise manage all Solid Waste and Recyclables generated, deposited, accumulated or otherwise coming to exist in the Franchise Area. All Residential (including multi-family residences), commercial, and industrial generators of Solid Waste within the Franchise Area shall be required by the City to utilize the Solid Waste collection services of Contractor provided hereunder.

~~—The City does hereby grant to Contractor the right to offer subscription-based collection and marketing of Recyclables to those customers in the Franchise Area who elect to subscribe.~~

2.2. Notwithstanding the above, nothing in this Agreement shall prevent any owner, occupant, or tenant of any residential, commercial, or industrial premises from personally handling, hauling, or transporting Solid Waste generated by or at such residential, commercial, or industrial premise to an authorized disposal facility or transfer station, nor shall anything in this Agreement affect or limit the right of any person to sell any Recyclables Materials to any person lawfully engaged in business in the Franchise Area or to donate Recyclables Materials to any bona fide charity, provided that all such Recyclables Materials are separated by the generator.

3. **Term; Termination.**

The Initial Term of this Agreement shall be SEVEN (7) five (5) years and two (2) months, commencing on the Effective Date set forth above and terminating on December 31, 2017 at 11:59 p.m. on December 31, 2029. The Parties may extend the Term of this Agreement for

successive five (5)-year ~~periods~~ terms when mutually agreed in writing and signed by the Parties. This Agreement shall automatically renew thereafter for additional terms of TWELVE (12) months each or such other terms as the Parties agree in writing ("Renewal Term"), unless either Party gives to the other Party written notice of termination at least NINETY (90) days prior to the termination of the then-existing term; provided however, that the terms and conditions of this Agreement shall remain in full force and effect, in accordance with its terms, with respect to any uncompleted or unfinished Service until such Service is completed.

4. Contractor Services.

4.1. Collection Services. Contractor shall furnish all labor, supervision, materials, supplies, equipment and all other items required to collect, transport, dispose, process or otherwise manage (i) all Solid Waste ~~collect and dispose of all Solid Waste~~ generated by or at any and all public and private residential, commercial, and industrial sources located in the Franchise Area, and (ii) ~~Recyclables from subscribing Residential customers located in the Franchise Area ,as well as for the subscription-based collection and marketing of Recyclables~~ (collectively, the "Services"). Contractor shall perform the Services in a lawful and professional manner so that the residential, commercial, and industrial customers within the Franchise Area are provided reliable, courteous, and high-quality Solid Waste ~~and Recyclables~~ collection service.

4.2. Hours and Days of Operation.

- (a) Unless otherwise authorized by the City, Contractor shall perform the Services within the Franchise Area only between the hours of 5:00 am and 7:00 pm, Monday through Saturday, except for the following Holidays: New Years Day, Thanksgiving, and Christmas.
- (b) If a regularly-scheduled collection day falls on a Holiday, as identified above, Contractor shall provide collection service on the next operating day as identified above, unless otherwise agreed to by the Parties.
- (c) Contractor shall provide to the City a schedule setting forth the day or days for scheduled Solid Waste ~~and Recyclables collection s~~Services and the collection zone or route for such scheduled ~~Solid Waste collection s~~Services. Upon sixty (60) days written notice to the City and with the City's written approval which shall not be unreasonably withheld, Contractor may change the schedule for the ~~collection s~~Services.

4.3. Residential Solid Waste Collection. Contractor shall collect Solid Waste from all Residential customers on a weekly basis. Except as otherwise provided herein, Contractor shall collect all Solid Waste properly set out for collection at the Curb in a Contractor-owned Cart at the date and time established for regularly-scheduled collection. For ~~R~~Residential collection, the Contractor-provided Cart shall serve as the ~~residence's premises' primary Solid Waste C~~collection receptacle~~container~~.

4.4. Commercial and Industrial Solid Waste Collection. Contractor shall collect Solid Waste from all Commercial and ~~I~~industrial facilities on a weekly basis or on a more frequent basis if requested by the customer. Except as otherwise provided herein, Contractor shall collect all Solid Waste properly set out for collection in a Contractor-owned Cart or Container at the date and time established for regularly-scheduled collection.

4.5 Subscription-based Recycling Collection. Contractor shall ~~offer collect collection of~~ Recyclables to those Residential customers who elect to subscribe pursuant to the Rates, sizes, and frequencies set forth in Exhibit A for such services on an every-other week basis. Except as otherwise provided herein, Contractor shall collect all Recyclables properly set out for collection at the Curb in a Contractor-owned Recyclables Cart at the date and time established for regularly-scheduled collection.

4.6 Other Solid Waste Collection Services. From time-to-time, a customer may request that the Contractor provide other services related to Solid Waste collection not specifically provided for under Exhibit A of this Agreement. If Contractor agrees to provide such additional collection services, Contractor shall use current rates approved by the Washington Utilities & Transportation Commission ("WUTC") under Contractor's Certificate No. G-237 and Tariff No. ~~4-12~~ for Waste Management of Ellensburg (as may be amended by the WUTC) for the service provided. If the intended services are not covered by either this Agreement or the Contractor's WUTC Tariff No. ~~4-12~~, the Contractor shall notify the City and propose a customer rate for the service. Upon approval of the City, the Contractor may proceed to offer that service.

4.7- Changes in Services. City may require changes in existing services or the addition of new services and Contractor shall comply with such changes, provided that if such changes result in increases in cost to the Contractor, Contractor shall have the right to negotiate a special ~~R~~Rate adjustment pursuant to Section ~~xx-8.4~~ of this Agreement, and in no event shall Contractor be required to provide any additional service or implement any changes in existing service until such time as the Parties have agreed to an adjustments in the ~~R~~Rates to cover the cost of, and compensate Contractor for providing, such additional or changed service. Contractor shall provide for City review and approval detailed analyses documenting the manner in which Contractor determines the existence of any such incremental cost increase.

4.8.4.7 Missed Collections.

- (a) Contractor Failure. ~~If Contractor does not collect a customer's~~ When a customer has properly set out Solid Waste and/or Recyclables for collection on their regularly scheduled collection day and time through no fault of customer, and ~~CONTRACTOR Contractor has failed to collect as scheduled, Contractor shall make provisions for providing a return trip at no additional charge if requested by the City.~~
- (b) Customer Failure. ~~If Contractor does not collect a customer's Solid Waste and/or Recyclables on their regularly scheduled day, due to customer's improper or failure to set-out, including incorrect day, time, Contamination, or incorrectly contained materials, Contractor does not collect Solid Waste and/or Recyclables as scheduled, and if a return trip is requested by the City, a Return Trip Fee will be assessed if a return trip is requested by the City.~~
- (c) Inclement Weather and Force Majeure. ~~special collections when Solid Waste has not been collected during a regularly scheduled trip. Special pickups for missed collection shall be made by the CONTRACTOR when directed by the CITY. For the purposes of this paragraph, a missed collection shall not be a Contractor Failure if due to include collections not made for reasons beyond the control of the CONTRACTOR, such as Acts of God a Force Majeure event and/or when extreme weather conditions or temporary road surface conditions due to unusual or inclement~~

weather. Normal snow and ice on streets and alleyways is not justification for missed —are such that continued operation would result in danger to the Contractor's staff, area residents, or property. In the event of extreme weather conditions, the Contractor shall collect only in areas that do not pose a danger. The Contractor shall notify the City by telephone or email as soon as possible of its decision not to provide some or all regularly scheduled collection services as a result of weather conditions. Contractor shall resume collection on the next normally scheduled collection day that weather conditions allow. When service is resumed, the Contractor shall collect reasonably accumulated excess volumes of materials equal to what would have been collected on the missed collection day from customers at no extra charge. If collection is interrupted for two consecutive weeks due to inclement weather, the Contractor shall provide two collection locations within the City Service Area where any Residential Customer, regardless of collection day, may bring their Garbage for drop-off at no additional cost to the Customer. The location of these sites shall be mutually agreed upon with the City and these sites shall remain open for collection until all regularly scheduled service resumes. Contractor will service containers at the collection location when full, or provide additional containers as needed if collection of loaded containers is impractical due to weather conditions.

4.9 Carts and Containers.

- (a) All ~~r~~Residential ~~and, e~~Commercial ~~, and industrial~~ customers shall use Contractor-owned Carts or Containers for Solid Waste ~~and/or Recyclables~~ collection service, which shall serve as their primary Solid Waste ~~and/or Recyclables~~ collection receptacle(s), ~~container~~ and which shall be provided by Contractor at no additional charge to customers, ~~except as set forth in Exhibit B for certain temporary Containers.~~
- (b) Extra Units are required to be set out as follows: (a) Solid Waste Extra Units may be contained in either a properly closed plastic bag or customer-owned can or cart, and (b) Recyclable Materials Extra Units may only be contained in a cardboard box, kraft paper bag, or customer-owned container marked "recycling". Properly closed plastic bags may be used for additional volumes of Solid Waste, but cannot be used as the primary Solid Waste container.
- ~~(b)(c)~~ All Carts and Containers provided by the Contractor shall remain the property of the Contractor at all times, including upon termination of this Agreement.
- ~~(e)(d)~~ Contractor shall repair or replace at its cost Carts or Containers damaged by the negligent acts or willful misconduct of Contractor or its employees and through normal wear and tear of use. Collection crews shall note any damage to Carts or Containers, such as damaged hinges, holes, poorly functioning wheels and other similarly necessary repairs and will forward repair notices to Contractor's service personnel of any required replacement of or repairs to Carts or Containers, as appropriate. If a customer's Cart or Container become damaged or missing due to an accident, act of nature, the elements, fire, or theft or vandalism by other members of the public, Contractor shall replace such Cart or Container at Contractor's expense upon City's receipt of any such notice from a customer.

~~(d)~~(e) If a Cart or Container is damaged by the customer (normal wear and tear excepted), Contractor may repair or replace the Cart or Container and shall be entitled to charge the customer a fee for the repairs to or replacement of the Cart or Container as set forth in Exhibit A.

4.10 Solid Waste Disposal. Contractor shall dispose of all Solid Waste collected under this Agreement, or any Solid Waste residuals remaining after processing, at any permitted and licensed site or facility, as mutually selected by Parties, where such disposal is lawful.

4.11 Customer Education. Contractor shall keep the public informed of programs and encourage participation through an Annual Service Update that Contractor shall provide to Residential customers. The Annual Service Update shall be printed and mailed to customers each year, at no cost to City.

5.

Additional Collection Services to City. As partial consideration for this Agreement, Contractor shall provide the following at no additional cost to the City or its Solid Waste customers.

5.1 Spring/Fall Clean-Up Program. Contractor shall provide at no cost to the City or its Solid Waste customers, two (2) community-free Solid Waste disposal days, designated as "Community Clean Up Days", at which the City shall issue, by individual customer request, a voucher for one (1) "non-commercial pickup truck load," of Solid Waste that customer may deliver to the Upper Kittitas County Transfer Station at no cost to the customer. Contractor shall provide two (2) coupons per year to each Residential customers twice annually (one per subscribing Residential customer, per occasion) for use during community Spring and Fall Clean-Up Events at the Upper Kittitas County Transfer Station. Events shall be held annually in April and October, with a coupon mailed to each eligible customer during the preceding month. Each coupon will be redeemable at the Transfer Station for drop-off of one standard pick-up load (legal to transport, 2.5 cubic yards level) of household garbage, furniture items, or yard debris at no charge to customer with proof of residency within the City of Cle Elum. Loads shall be subject to all Transfer Station requirements and restrictions. ~~during the months of April and October. The coupons will be mailed to each customer in March and September each year. Customers may redeem their coupon for one standard pick-up load (legal to transport, 2.5 cubic yards level) disposal of household garbage, furniture items, or yard debris at no charge. Customers will be required to self-haul items to the Transfer Station, show proof of their residency within the City of Cle Elum, and provide their coupon to the Transfer Station attendant. These events will be coordinated with the Kittitas County Solid Waste Programs.~~

Commented [SG7]: First Amendment.

~~Contractor shall be responsible for all costs associated with the Spring and /Fall Clean-Up ProgramEvents. The Contractor shall report Event participationthe number of redeemed coupons and total disposal tonnage shall be reported to City on an annual basis. City and Contractor agree to work together to evaluate the program each year. If Contractor's disposal costs for the events exceed \$15,000 per year, in order to continue the program, Contractor and City agree to adjust either reduce the number of coupons provided to each Residential customer annually program coupon allotment or adjust the Rates to offset costs to Contractor for the events.~~

5.2 City-Designated Events. Contractor shall provide Containers, waste collection and disposal services for up to two (2) City-designated events each calendar year. ~~("Pioneer Days" and "The Downtown Cleanup") with suchEvents, e~~Container sizes and service frequencies shall be as set forth in Exhibit C.

5.3 City Facilities. Contractor agrees to remove and dispose of all Solid Waste from all existing City buildings, and facilities used for government business and, public Solid Waste containers and sites on a weekly basis at no cost to the City. Contractor further agrees to provide to the City at no additional charge, the following containers:

Contractor shall provide to the City, free of charge, collection of Solid Waste generated from typical office operations to the City-owned facilities set forth in Exhibit C (City Facilities and Events), which also lists Container sizes and frequencies of such collection. Such free collection of Solid Waste shall not apply to materials that (i) are other than Solid Waste generated at the City Facilities through normal operations; and/or (ii) are not generated by the City and/or are collected by third parties and delivered to a City Facility. Contractor shall also provide Solid Waste collection from City-owned street cans at locations and frequencies as set forth in Exhibit C. All locations must be accessible to the Contractor's collection vehicles. If there are any additional City Facilities or services the City desires to include in Exhibit C after the Commencement Date of this Agreement, the Parties shall confer in good faith to negotiate an appropriate adjustment to the Rates.

5.2 — an up to 6-yard Container placed at the City garage;

5.3 — an up to 1-yard Container placed at City Hall;

5.4 — an up to 1.5 yard Container placed at the Cle Elum Fire Station No. 51; and

5.5 — an up to 1.5 yard Container placed at Fireman's Park from May 15th or the first business day thereafter through November 15 or the first business day thereafter.

6. Collection Exclusions.

6.1 Improper Setout and Contamination. If Solid Waste and/or Recyclables are set out inappropriately, improperly prepared, ~~Oversized~~, Contaminated, or otherwise contain Excluded Materials, the Contractor shall not be required to collect such Container(s) or Extras. If the Contractor elects not to collect such Container(s) or Extras, the Contractor shall notify the customer of the specific problem(s) and reason(s) for rejecting the materials for collection. Such notification shall be provided by notification tag placed in a prominent location. Contractor will not knowingly collect ~~an Oversized Extra, or a~~ Contaminated Container if Contamination is visible to the driver prior to collection. If Contractor services a Container and subsequently discovers Contamination in the truck hopper at its top, Contractor may assess a Contamination Fee pursuant to the Rates in Attachment B. The Contractor shall maintain an electronic record of all calls related to missed collections and the response provided by the Contractor. Such records shall be made available for inspection upon request by the City, ~~and the information shall be included in quarterly reports.~~

~~6.16.2 It is understood that the for inspection upon reasonable notice during business hours.~~ If Contractor observes any substances which it or its employees reasonably believe or suspect to contain Hazardous Waste unlawfully disposed of or released in reportable quantities in the Franchise Area, including on, in, under or about City property, including streets, easements, rights of way and City waste containers, Contractor shall immediately notify the City of the same.

7. Standards for Collection and Operation.

7.1 Compliance with Law. Contractor shall comply with all laws and regulations applicable to Contractor's operations, including laws, ordinance, rules and regulations of the United States, the State

of Washington, the City, and the City and County of the location at which Solid Waste may be transported or disposed of hereunder.

7.2 Equipment. Contractor shall possess or demonstrate to the City's reasonable satisfaction that it has available to it adequate equipment and vehicles, including reserve or replacement vehicles and equipment, sufficient to perform the Services required of Contractor herein. Contractor shall maintain all trucks and equipment used within the Franchise Area in good mechanical condition and the same shall be clean, numbered and uniformly painted. All truck bodies used by Contractor shall be constructed of metal and shall be watertight and leak proof. Each vehicle used by Contractor shall carry at all times a broom and shovel or other item appropriate for use in the prompt removal of any spilled material. All vehicles used by Contractor shall have adequate coverage at all times to prevent the spillage of Solid Waste.

7.3 Collection Operations.

- (a) Contractor shall conduct its operation so as to minimize as practicable any obstruction and inconvenience to public traffic or disruption of the peace and quiet of the area within which collection occurs.
- (b) The Contractor shall require all employees to be courteous at all times and not to use loud or profane language and to do their work quietly as possible. Employees performing the Services shall follow the regular walks for pedestrians while on private property, returning to the street or alley after replacing the empty cans. Employees shall also return all Carts and Container, replace all covers and close all gates that they have opened. All employees shall wear clean, presentable clothing. Employees shall not trespass or cross property to neighbor's premises nor interfere with property, which does not concern them.
- (c) Contractor shall train its employees to take extra care in the loading and transportation of Solid Waste so that none of the Solid Waste to be collected is left either on private property or on streets or alleys by the Contractor. The Contractor shall be responsible for the cleaning of all debris spilled or tracked on any street, alley, private access/place or public place by any of its equipment. If the Contractor fails to clean such materials within two (2) hours after notice is served by the City, the City may cause such spills to be cleaned and charge the cost to Contractor.

7.4 Business Office; Complaints. Contractor shall maintain a business phone that can be called by the [City staff concerning](#) customer complaints.

7.5 Contractor Planning Assistance. Contractor shall, upon request and without cost, make available either to the City or his/her authorized representative, planning and Public Works assistance in respect to design and planning solid waste facilities and their location upon the site of any proposed new construction or remodeling projects.

8. Rates; Adjustments; Billing.

8.1 Service Rate Schedule. Contractor shall provide the Services required under this Agreement for the ~~R~~Rates set forth in the Service Rate Schedule attached hereto and incorporated herein as Exhibit A, as the same may be adjusted in accordance with this Section (collectively, the "Rates"). Contractor shall bill the City monthly for Services as set forth in Exhibit A, attached hereto, and

incorporated herein by this reference. The customer count shall be based upon the record of active customers maintained by the City. The count may be adjusted to reflect changes in active customers every (1) month. Payment shall be made to Contractor by City monthly for services rendered in the prior month.

8.2 Annual Rate Adjustment. ~~Contractor~~ Commencing on ~~the November 1, 2025 date that is one (1) year after the Commencement Date,~~ and on the same date annually thereafter (each, an "Adjustment Date"), the Rates, ~~as adjusted hereunder,~~ shall ~~be~~ automatically increase by ~~4%~~ a percentage equal to the percent change in the average Consumer Price Index for Urban Consumers: Water and Sewer and Trash Collection Services ("CPI") (Series CUUR0000SEHG, CUUS0000SEHG), as published by the United States Department of Labor, Bureau of Labor Statistics. The first adjustment of the Rates will be based on the change in CPI, as described above, of the January 2024 published index compared to the January 2025 published index. Adjustments to the Rates shall be made in units of one cent (\$0.01). Fractions less than one cent (\$0.01) shall not be considered when calculating adjustments. Annual CPI adjustments shall not be negative. In the event the CPI index series decreases year-on-year, there shall be no CPI adjustment. ~~Adjustments to the Rates shall be made in units of one cent (\$0.01). Fractions less than one cent (\$0.01) shall not be considered when calculating annual adjustments of the Rates.~~ At least thirty (30) days prior to each Adjustment Date, Contractor shall notify City of the adjustment taking effect and shall provide City with Contractor's calculations of such adjustment. Annual adjustments to the Rates shall only become effective following Contractor's timely provision of notice of such adjustment to customers.

Commented [MT8]: November CPI would allow for disposal and CPI to be processed at the same time.

8.3 Disposal Fee Adjustments. In addition to any annual Rate adjustment set forth above, Contractor shall be entitled to increase the Rates at any time for any increases due to actual increased tipping fees charged by Kittitas County, Washington. The tipping fee increase shall be allowed only to cover the actual increase in tipping fees plus the actual amounts of any additional applicable taxes, such as B&O taxes, resulting from such tipping fee increases. For purposes of determining the increase in Rates based on the increase in tipping fees charged by Kittitas County, the Parties shall use the following assumptions:

- (a) Each 32-35 gallon Cart, can, or equivalent = 35 lbs.
- (b) Each commercial loose cubic yard equivalent = 130 lbs.
- (c) Drop box/roll off yards shall be treated as a straight pass-through based of the actual net weight of the Solid Waste.

8.4 Other Rate Adjustments. The Contractor's Rates set by this Agreement are calculated to pay certain expenses and costs that are of a contingent and uncertain nature. Therefore, in addition to the provisions for Rate adjustments set forth in Sections 8.2 and 8.3 above, the Rates under this Agreement may, after written request of Contractor or City and after written approval by the City or Contractor, which shall not be unreasonably withheld, be further adjusted on an interim basis for increased or decreased expenses associated with performance of the Services due to any one or more of the following causes:

- (a) material changes in Contractor's costs resulting from a Force Majeure event;
- (b) changes in the scope or method of services provided by Contractor, changes in the Franchise Fee, or other changes or fees required, initiated, or approved by the City;

- (c) any change in law, statute, rule, regulation, ordinance, order or requirement of any federal, state, regional or local government that is effective after the Effective Date of this Agreement;
- (d) a material increase in the cost of diesel fuel; or
- (e) any other extraordinary circumstances or causes or reasons that are not within the reasonable control of Contractor.

If either Party requests an adjustment due to the extraordinary circumstances set forth above, the requesting Party shall prepare a ~~R~~Rate adjustment request setting forth its calculation of the increased or decreased costs and accompanying ~~R~~Rate adjustment necessary to offset such increased or decreased costs. The other Party may request any and all documentation and data reasonably necessary to evaluate such request by the requesting Party-, and shall act within ninety (90) days of receipt of the request to either approve or disapprove the request, provided that approval shall not be unreasonably withheld.

8.5 **Customer Billing.** City shall provide customer billing services and initial customer service functions for this Agreement for scheduled regular customers.

8.6 **Contract Fee.** Contractor shall pay the City a contract fee of five percent (5%) of gross receipts for the Services on all accounts within the Franchise Area. Payments shall be made to the City on or before the last day of the month following the month for which the contract fee is being paid. Alternatively, City may choose to deduct an amount equal to five percent (5%) of the gross receipts for Services on all accounts within the Franchise Area from the payment otherwise due to Contractor pursuant to Section 8.1.

8.11 **Annexation.** The exclusive area to be served shall be the Franchise Area as it exists on the Effective Date of this Agreement, as such Franchise Area may be amended throughout the term of this Agreement, including any extensions thereof, pursuant to this Section. Notwithstanding RCW 35.13.280, in the event an area already being served by Contractor is annexed by City, Contractor shall have the sole discretion to service any newly annexed areas under the terms and conditions set forth in this Agreement, as amended, or under the terms and conditions of Contractor's WUTC permit, for a term often (10) years, notwithstanding the term set forth in Section 3 of this Agreement. In consideration of such ten (10) year term (which is longer than the seven (7) year minimum term set forth in RCW 35.13.280 during which City must permit Contractor to service the newly annexed area or pay damages to Contractor), Contractor expressly waives and releases its right to claim any damages or compensation from City, its officers, agents, or assigns, arising out of the termination of any pre-existing permit or other agreement held by Contractor prior to such annexation, and further, Contractor specifically waives its right to receive any additional compensation or rights of collection in the newly annexed area, outside of the terms and conditions of this Agreement, as amended.

In the event City annexes an area not served by Contractor, Contractor agrees to serve the annexed area for the remaining term of this Agreement, pursuant to the terms and conditions contained herein, if and when City establishes the legal right for Contractor to service such annexed area.

City shall provide Contractor with at least ninety (90) days' prior written notice of any pending annexations, so that Contractor has sufficient time to acquire the necessary equipment, make any necessary Rate and service adjustments, and provide notice to all customers within the newly annexed area.

Commented [SG9]: First Amendment, Dec 13, 2021

9. Recordkeeping; Reporting.

Contractor shall make available to City for review relevant, non-confidential documents, reports, or other information regarding the services provided under this Agreement. The City shall have the right, during normal business hours and upon reasonable (at least three (3) business days) advance notice given to Contractor by the City, to inspect the records of Contractor to ensure compliance with the services provided under this Agreement. Contractor shall maintain records, customer lists, compliance records and customer complaints for a period of one (1) year or as required by law, whichever is the greater.

10. Default, Termination.

10.1 Default. In the event of any material failure or refusal of Contractor to comply with any obligation or duty imposed on Contractor under this Agreement, the City and Contractor shall meet and confer in good faith in an effort to agree on a resolution and cure of the breach. If the PARTIES are unable to agree on the informal resolution or cure of the breach within ten (10) business days after City's notice to Contractor, the City shall have the right to terminate this Agreement if:

- (a) Following the ten-day meeting period above, the City shall have given written notice to Contractor specifying that a particular default or defaults exist which will, unless corrected, constitute a material breach of this Agreement on the part of Contractor, and
- (b) Contractor fails to correct such default or fails to take reasonable steps to commence to correct the same within thirty (30) days from the date of the notice given by City under subsection (a) and Contractor thereafter fails to diligently continue to take reasonable steps to correct such default.

10.2 Termination. Upon the occurrence of a material breach, failure to cure and the declaration of termination of this Agreement by the City as provided above, this Agreement shall be of no further force and effect unless the City elects to terminate only a portion of the Services set forth herein and maintain the remainder of the Agreement.

11. Indemnity.

11.1 Contractor Indemnity. Contractor shall defend, indemnify and hold harmless City and its employees, agents, appointed and elected officials (collectively, "Indemnitees"), from and against any and all liabilities, penalties, fines, forfeitures, demands, claims, causes of action, suits, judgments and costs and expenses incidental thereto, including reasonable attorneys' fees, (collectively, "Damages") which any or all of the Indemnitees may hereafter suffer, incur, be responsible for or pay out with respect to claims by third parties for personal injury, property damage or other loss to the extent caused by, or arising from or in connection with the negligent actions or omissions or willful misconduct of Contractor, its employees or subcontractors, in the performance of this Agreement. Such indemnity shall be limited to exclude Damages to the extent that they are caused by, arise from or in connection with any negligent actions or omissions or willful misconduct of City or its employees, agents, subcontractors or appointed or elected officials, including in connection with the use of Contractor's property or equipment during an emergency ~~as provided in Section xx.~~ The extent of Contractor's liability under this Section shall not exceed the amount of Contractor's proportionate share of fault. Contractor's obligations under this section specifically include a waiver of its immunity under Title 51 RCW, the Industrial Insurance Act, but only to the extent of Contractor's indemnity obligation herein. This waiver is specifically negotiated between the parties.

Commented [SG10]: There is no such provision.

~~11.4.11.2~~ Exclusions. (a) The foregoing indemnification by Contractor shall not apply to Damages ~~concerning arising out of, related to, or connected with~~ Excluded Waste, the title to which shall remain with the generator at all times. (b) Contractor shall not be responsible for damage to public roads or Commercial premises driving surfaces that may occur during the operation of its equipment in the performance of this Agreement.

~~11.211.3~~ Procedure. The Indemnitees shall cooperate in the defense of suit if requested by Contractor and shall have the right to approve counsel chosen by Contractor to litigate such suit, which approval shall not be unreasonably withheld. Contractor shall have the sole right to contest, defend, litigate and settle claims tendered by the Indemnitees hereunder provided that a least ten (10) business days prior to any such settlement, written notice of Contractor's intention to settle is given to the Indemnitees. In the event a dispute exists over whether an Indemnitee is entitled to indemnification, the Contractor shall defend the Indemnitee until the dispute is resolved. Upon resolution of the indemnification dispute, the prevailing party shall be entitled to indemnification for its defense costs incurred, including attorney and expert witness fees.

12 Insurance.

12.1 Coverage. Contractor shall secure and maintain continuously in full force and effect during the term of this Agreement, and any extensions hereof, insurance policies which will protect Contractor and City from claims from bodily injury, death or property damage which may arise from Contractor's activities or operations under this Agreement. Said policies shall be for not less than the amounts listed below:

- (a) Workers' Compensation: Statutory
- (b) Employer's Liability: \$1,000,000 per accident, per occurrence
- (c) Public Liability, Bodily Injury and Property Damage Insurance: \$5,000,000 per accident, per occurrence.
- (d) Automobile Liability Insurance: \$5,000,000 per accident, per occurrence

12.2 Additional Insured; Certificate. The liability insurance policies shall name the City as an additional insured. Contractor shall provide the City with a Certificate of Insurance duly executed by Contractor's insurance carrier which shall serve as evidence of the continued existence of Contractor's insurance policies required hereunder and which shall contain a provision that the coverage hereunder will not be canceled ~~or materially changed~~ without thirty (30) days prior written notice given City.

13. Financial Assurance.

~~Simultaneously with~~ No more than ten (10) days following the execution of this Agreement, Contractor shall file with City a bond, payable to City, securing Contractor's faithful performance of its obligations under this Agreement. The principal sum of the bond shall be \$20,000. The bond shall be executed as surety by a corporation authorized to issue surety bonds in the State of Washington, with an A.M. Best Rating of at least A and an AM Best Financial Size rating of at least XV. The surety provider should also be listed on the U.S. Treasury Department most recent List of Certified Companies for federal bonds, financial condition and record of service reasonably satisfactory to City. The bond shall be in a form reasonably acceptable to the City. In the alternative, Contractor may obtain a letter of credit or open a certificate of deposit in the name of City or obtain and maintain a similar financial instrument in the

Commented [GS11]: WM requested from the City a list of criteria for the bond, but in the absence of such list, our surety department has suggested these criteria. We hope the City will find it satisfactory.

amount set forth above to be held to secure this faithful performance. Alternatively, Contractor may make a cash deposit in the amount set forth above in a secured interest bearing account as agreed upon by the Contractor and the City. Interest earned from this account shall be paid to the Contractor annually. The cash deposit, plus all undistributed interest earned thereon, shall be returned to the Contractor upon expiration of this Agreement.

14. Dispute Resolution; Attorneys' Fees.

In the event of a dispute arising under this Agreement, the ~~PARTIES~~ Parties shall continue performance of their respective obligations under this Agreement and shall attempt to resolve such dispute in a cooperative manner. If the ~~PARTIES~~ Parties are unable to resolve the dispute, then the ~~PARTIES~~ Parties shall retain all rights and remedies available under this Agreement or under civil or common law. In the event of any litigation to interpret or enforce the terms of this Agreement, the prevailing Party shall be entitled to its reasonable attorney and expert witness fees and costs from the losing Party, at trial and on appeal.

15. Assignment.

Contractor shall not assign its rights nor delegate or otherwise transfer its obligations under this Agreement to any other person or corporate entity without the prior written consent of the City, which consent shall not be unreasonably delayed or withheld. Notwithstanding the foregoing, Contractor shall have the right, without seeking or obtaining approval or authority from the City, to assign or transfer this Agreement to any affiliate of Contractor or its parent corporation.

16. Force Majeure.

Provided that the requirements of this section are met, Contractor shall be excused from performance and shall not be liable for failure to perform under this Agreement if Contractor's performance is prevented or delayed by acts of terrorism, natural occurrences, landslides, lightning, forest fires, storms, floods, typhoons, hurricanes, severe weather, freezing, earthquakes, volcanic eruptions, other natural disasters or the imminent threat of such natural disasters, pandemics, quarantines, civil disturbances, acts of the public enemy, wars, blockades, public riots, strikes, lockouts, or other labor disturbances, acts of government or governmental restraint or other causes, whether of the kind enumerated or otherwise, and whether foreseeable or unforeseeable, that are not reasonably within the control of the Contractor ("Force Majeure"). If as a result of a Force Majeure event, Contractor is unable wholly or partially to meet its obligations under this Agreement, it shall give the City promptly written notice of the Force Majeure event, describing it in reasonable detail. The Contractor's obligations under this Agreement shall be suspended, but only with respect to the particular component of obligations affected by the Force Majeure and only for the period during which the Force Majeure exists.

17. Independent Contractor.

Contractor is an independent Contractor and shall not be deemed an employee of the City.

18. Captions.

Titles or captions of articles and sections contained in this Agreement are inserted only as a matter of convenience and for reference, and in no way define, limit, extend, or describe the scope of this Agreement or the intent of any provision of it.

19. Severability.

If any of the provisions of this Agreement are determined to be invalid or unenforceable, those provisions shall be deemed severable from the remainder of this Agreement and shall not cause the remainder of this Agreement to be invalid or unenforceable, unless this Agreement without the severed provision would frustrate a material purpose of either Party in entering into this Agreement.

20. Waiver.

No waiver of any right or obligation of either Party hereto shall be effective unless in writing, specifying such waiver, executed by the Party against whom such waiver is sought to be enforced. A waiver by either Party of any of its rights under this Agreement on any occasion shall not be a bar to the exercise of the same right on any subsequent occasion or of any other right at any time.

21. Counterparts.

This Agreement may be executed in two counterparts, each of which shall be deemed an original, but both of which shall be deemed to constitute the same instrument.

22. Governing Law.

This Agreement shall be governed by and construed in accordance with the laws of the State of Washington.

23. Amendment.

This Agreement may be amended, altered or modified only by a writing, specifying such amendment, alteration or modification, executed by authorized representatives of both of the PARTIES hereto.

24. Complete Agreement.

This writing constitutes the full and complete Agreement and understanding between the Contractor and the City. All previous agreements are hereby superseded.

25. Notices. All written notification required by this Agreement shall be effective upon receipt and delivered by Certified US Mail, Return Receipt Requested, overnight delivery by a nationally recognized overnight delivery/courier service, or by hand delivery to the Party's address(es) shown below:

If to Contractor: Area Director, Public Sector Solutions
Waste Management of Washington, Inc.
720 4th Ave, Suite 400, Kirkland, WA 98033
[Tel: 425-814-7844](tel:425-814-7844)

Copy to: Area Senior Legal Counsel
Waste Management of Washington, Inc.
7227 NE 55th Ave. Portland, OR 97218

If to City: [City of Cle Elum](#)
[Attn: Mayor](#)
[119 W 151 St, Cle Elum, WA 98922](#)

Commented [SG12]: First Amendment, Dec 13, 2021

Signature page follows.

IN WITNESS WHEREOF, this Agreement is effective as of the latest date set forth below the Parties have caused this Agreement to be Executed.

Contractor

City OF CLE ELUM

By: _____
Print
Name: Jason S. Rose
Title: President
Date: _____

By: _____
Print
Name: _____
Title: _____
Date: _____

ATTESTED/AUTHENTICATED:

By: _____
Print
Name: _____
Title: _____
Date: _____

APPROVED AS TO FORM:

By: _____
Print
Name: _____
Title: _____
Date: _____

~~CITY OF CLE ELUM~~

By: _____

Its: _____

Date: _____

ATTEST:

~~WASTE MANAGEMENT OF WASHINGTON, INC.~~

By: _____

Its: _____

Date: _____

|

(All rates are monthly unless denoted otherwise)

Residential Rates	Monthly Rate
Weekly curbside collection service	
1-35 gallon cart	\$10.64
1-64 gallon cart	\$14.79
1-96 gallon cart	\$17.38
2-64 gallon cart	\$19.91
1-35 gallon cart senior	\$5.85
1-64 gallon cart senior	\$8.13
1-96 gallon cart senior	\$9.56
(If the customer requires multiple cart service, in any combination, the rates shown above will be multiplied by the number and size of carts requested.)	

Miscellaneous Residential Services	
Extras (32 gallon can or equivalent)	\$2.85
Oversize or overweight units — per unit	\$5.56
Drive-in charge	\$4.59
Carryouts per cart (over 5ft. but not over 25ft.)	\$1.04
Carryouts per cart (over 25 ft. and each increment of 25 ft. thereafter)	\$0.79
Return trips-carts (per pickup)	\$4.24
Cart Replacement (due to customer abuse/damage)	\$55.00

Commercial Rates	
Commercial Cans	
1-35 gallon cart	\$13.94
1-64 gallon cart	\$20.27
1-96 gallon cart	\$30.40
2-64 gallon cart	\$40.53
Additional cans (each)	\$2.34

(If the customer requires the frequency of collection to be greater than once per week, the rates shown above will be multiplied by the number of times per week that the container is emptied.)

Miscellaneous Service	
Return trips (per pickup)-carts	\$4.24
Carryouts per can/cart per pickup (over 5ft. but not over 25ft.)	\$0.22
Carryouts per can/cart per pickup (over 25ft. and each increment of 25ft. thereafter)	\$0.12
Return Trips (per pickup)- Container	\$9.87
Roll-Out container (per pickup)	\$2.37
Disconnect Hydraulics (per pickup)	\$19.54
Unlock Gate or Container (per pickup)	\$12.88

Commercial Container (weekly pick-up service)	
1.5 yard	\$91.83
2 yard	\$125.05
3 yard	\$183.39
4 yard	\$231.16

6-yard	\$321.37
8-yard	\$412.53
Extra uncompacted cubic yard (per pickup)	\$20.30

(If the customer requires the frequency of collection to be greater than once per week, the rates shown above will be multiplied by the number of times per week that the container is emptied.)

Roll-off Rates	Rate/Haul
Permanent haul rate	
12-yard	\$359.81
20-yard	\$395.77
30-yard	\$495.81
Compactor hauls (all sizes)	\$500.00

EXHIBIT B
RECYCLABLE MATERIALS SPECIFICATIONS

<u>MATERIAL TYPES</u>	<u>ACCEPTABLE MATERIALS</u>	<u>PREPARATION INSTRUCTIONS</u>	<u>EXCLUDED MATERIALS</u>
<u>Paper</u>	- Office paper, copy paper, construction paper, file folders, note paper, computer paper, brochures - Newspaper, advertisements and paper inserts - Magazines and inserts - Catalogs - Cardboard - Direct mail and paper inserts - Envelopes - Paper bags - Cereal, cookie and cracker boxes - Paper towel tubes - Toilet paper tubes - Tissue boxes - Non-foil wrapping paper - Kraft paper bags or boxes - Paper envelopes containing plastic windows	All materials must be dry. Remove any: - Plastic bags (exterior or interior) - Plastic packaging - Metal - Electronics - Magnets - Twine - Straws - Lids - Food and/or liquids	- Shredded paper - Paper envelopes lined with bubble wrap - Insulation liners or envelopes made from plastic (Tyvek) - Laminated paper - Stickers/labels - Photos - Carbon paper - Receipts - Paper affixed to magnets - Hot or cold cups - Pet food bags - Mixed material bags - Wet and/or soiled paper - Paper with large amounts of paint and/or glue - Frozen food boxes - Juice boxes - Milk cartons - Ice cream Containers - Aseptic Containers, e.g. soup, broth, soymilk, almond milk

<u>MATERIAL TYPES</u>	<u>ACCEPTABLE MATERIALS</u>	<u>PREPARATION INSTRUCTIONS</u>	<u>EXCLUDED MATERIALS</u>
<u>Cardboard</u>	• <u>Cardboard boxes</u> • <u>Cardboard packaging</u> • <u>Cardboard beverage Containers</u>	• <u>All materials must be dry</u> • <u>Flatten all cardboard</u> • <u>Remove all interior packaging, e.g. block foam, packing peanuts and exterior plastic wrap</u> • <u>Do not bundle with tape or twine (external tape is acceptable)</u> • <u>Place any oversized cardboard next to Cart/Container</u>	• <u>Waxed cardboard</u>
<u>Metal</u>	• <u>Tin, aluminum and/or steel food and/or beverage Containers</u>	• <u>Remove all exterior packaging</u> • <u>Remove lids</u> • <u>Empty of all food and/or liquids or other debris</u> • <u>Labels do not need to be removed</u>	• <u>Aluminum foil and/or trays</u> • <u>Sharp and/or greasy metal</u> • <u>Scrap metal</u> • <u>Batteries</u> • <u>Microwaves</u> • <u>Electrical cords</u> • <u>Cell phones</u> • <u>Vehicle snow chains</u> • <u>Aerosol cans</u>
<u>Plastic Bottles</u>	• <u>PET/PETE bottles</u> • <u>HDPE bottles/jugs</u>	• <u>Remove lids</u> • <u>Remove straws</u> • <u>Empty of all food and/or liquids or other debris</u> • <u>Labels do not need to be removed</u>	• <u>Plastic bags</u> • <u>Plastics items #3-#7</u> • <u>Food and/or beverage Containers</u> • <u>Dairy tubs, e.g. butter, yogurt, cottage cheese</u> • <u>Cups</u> • <u>Rigid flowerpots</u> • <u>5-gallon buckets</u> • <u>Plastic film</u> • <u>Diapers</u> • <u>Plastic bottles that contained HHW listed materials</u> • <u>Deli, bakery and produce clamshell Containers</u> • <u>Loose lids, any size</u> • <u>Plant trays</u> • <u>PVC</u> • <u>Large rigid plastic, e.g. outdoor furniture, laundry</u>

<u>MATERIAL TYPES</u>	<u>ACCEPTABLE MATERIALS</u>	<u>PREPARATION INSTRUCTIONS</u>	<u>EXCLUDED MATERIALS</u>
			baskets, swimming pools, toys • Hoses • Landscaping/sprinkler tubing
Other	Not applicable	Not applicable	• Shredded paper • Fabric (textiles) • Carpet • Wire • Rope • Chains • Christmas lights • Wood • Glass of any kind

EXHIBIT B
COMPOSITE RATE INCREASE PROPOSAL FORMULA

Commented [SG13]: First Amendment, Dec 13, 2021.
Deleted and not replaced.

COST CATEGORY	WEIGHTING	RATE INDEX
LABOR	30%	PRODUCER PRICE INDEX FOR NAICS 56211 ("WASTE COLLECTION")
FUEL	5%	PRODUCER PRICE INDEX, WPU057303 NOT SEASONALLY ADJUSTED, FOR FUELS AND RELATED PRODUCTS AND POWER, #2 DIESEL FUEL
EQUIPMENT	15%	PRODUCER PRICE INDEX FOR NAICS 336211 ("MOTOR VEHICLE BODY MANUFACTURING")
DISPOSAL	25%	CONSUMER PRICE INDEX FOR ALL URBAN CONSUMERS, ALL ITEMS INDEX (CPI-U)—U.S. CITY AVERAGE
ALL OTHER	25%	50% OF CHANGE IN CONSUMER PRICE INDEX, ALL ITEMS INDEX (CPI-U)—U.S. CITY AVERAGE
TOTAL	100%	

Beginning on the Adjustment Date, and annually thereafter, the Rates shall be adjusted by a percentage equal to the annual percent change in the Composite Rate Index over the 12 month period ending on August 31st prior to the Adjustment Date. The percentage change in the Composite Rate Index shall be calculated as the sum of the percentage change for each individual Rate Indices multiplied by the percentage weighting for each individual Rate Index. **EXHIBIT C**

City Facilities		
Department	Service	Address
Police Dept.	Qty (1) 3-yard MSW 1x week	807 W 2 nd St
Sewer Treatment Plant	Qty (1) 3-yard MSW 1x week	201 Owens Rd
Library	Qty (1) 96-gallon MSW 1x week	302 N Pennsylvania Ave
City Shop	Qty (1) 6-yard MSW 1x week	1009 Yakima St
Veolia	Qty (1) 1.5-yard MSW 1x week	500 Owens Rd
Water Treatment Plant	Qty (1) 1.5-yard MSW 1x week	1970 SR 903
City Hall	Qty (1) 1-yard MSW 1x week	119 W 1 st St
Fire Station No. 51	Qty (1) 1.5-yard MSW 1x week	301 N Pennsylvania Ave
Fireman's Park	Qty (1) 1.5-yard MSW 1x week May through November	229 Grant St.
Baseball Fields	Qty (1) 1.5-yard MSW 1x week May through November	321 S Cle Elum Way

Beginning on the Adjustment Date, and annually thereafter, the Rates shall be adjusted by a percentage equal to the annual percent change in the Composite Rate Index over the 12 month period ending on August 31st prior to the Adjustment Date. The percentage change in the Composite Rate Index shall be calculated as the sum of the percentage change for each individual Rate Indices multiplied by the percentage weighting for each individual Rate Index. EXHIBIT C

City Street Cans*					
Location	Qty	Location	Qty	Location	Qty
Beau's Pizza*	1	City Inland Net	1	Hudson Building	1
124 E 1st St, Cle		Mike's Tavern*	1	Dairy Queen*	1
WaFed Bank	1	427 E 1st St.		302 E 1st St.	
103 E 1st St		City Hall	1	El Caporal	1
Chevron*	1	119 W 1st St.		105 W 1st St.	
207 W 1st St		Umpqua Bank	1	Mama Vallones	1
Farm & Home	1	201 E 1st St		302 W 1st St Floor 2	
100 W 1st St		Miners Pizza	1	Sunset Café	1
Owens Meats*	1	121 E 1st St.		318 E 1st St.	
502 E 1st St.		Timber Lodge*	1		
Telephone Museum	1	301 W 1st St.			
221 E 1st St.					

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* City street cans shall be serviced 1x per week October through April and 2x per week May through September.

City EVENTS Events		
Event	Service	Location
Pioneer Days	Qty (1) 6-yard MSW serviced once	TBD
Downtown Cleanup	Qty (1) 6-yard MSW serviced once	TBD

**AMENDED AND RESTATED SOLID WASTE AND RECYCLABLES
COLLECTION AGREEMENT
BETWEEN THE CITY OF CLE ELUM
AND
WASTE MANAGEMENT OF WASHINGTON, INC.**

**AMENDED AND RESTATED SOLID WASTE AND RECYCLABLES
COLLECTION AGREEMENT
BETWEEN THE CITY OF CLE ELUM
AND
WASTE MANAGEMENT OF WASHINGTON, INC.**

This Amended and Restated Solid Waste and Recyclables Collection Agreement (“Agreement”) is entered into as of the Effective Date, as defined below, by and between the City of Cle Elum, a Washington municipal corporation (“City”) and Waste Management of Washington, Inc., a Delaware corporation (“Contractor”) for the collection, transportation, and disposal of Solid Waste. City and Contractor may be referred to herein collectively as the “Parties” or individually as a “Party.”

RECITALS

WHEREAS, the Legislature of the State of Washington has authorized and required local agencies to make adequate provisions for solid waste handling within their jurisdictions; and

WHEREAS, City and Contractor are mindful of the provisions of the laws governing the safe collection, transport, recycling and disposal of solid waste; and

WHEREAS, Contractor has represented and warranted to City that it has the experience, responsibility, and qualifications to provide residents in the franchise area collection and safe transport to disposal facilities of municipal solid waste; and

WHEREAS, City declares its intention of maintaining reasonable rates for reliable, proven collection, transportation and disposal of solid waste within the area covered by this grant of franchise.

NOW, THEREFORE, in consideration of the covenants and promises contained herein, the PARTIES mutually agree to the following terms and conditions.

1. Definitions.

1.1 “**Effective Date**” means January 1, 2025.

1.2 “**Bulky Goods**” means discarded large items of Solid Waste such as appliances, furniture, small auto parts, and other similar waste materials with weights and volumes greater than those allowed in waste collection bins, carts or other containers.

1.3 “**Cart**” means a Contractor-owned wheeled cart that is a plastic container with 35, 64, or 96 gallons of capacity; designed for and used with a hydraulic lifting mechanism; fitted with a sturdy handle and a cover; is rodent and insect resistant; and capable of holding collected liquids without spilling when in an upright position.

1.4 “**Commercial**” means non-single-family dwellings, and includes Multifamily Complex(es) and premises upon which business, governmental, religious, industrial, or educational activity is conducted; however, a business conducted upon a single-family dwelling which is permitted under applicable zoning regulations, and is not the primary use of the dwelling, are excluded.

1.5 **“Container”** means Contractor-owned metal container with capacities of 1.5 cubic yards or more.

1.6 **“Contamination”** occurs when a visual and/or electronic inspection of the Cart reveals that: (i) a Recyclables Container contains non-Recyclables (pursuant to the list of materials set forth in Exhibit B), or (ii) a Cart or Container contains Excluded Solid Waste. 1.7 **“Curb or Curbside”** means a location at a Residential property, within five feet of the public street without blocking sidewalks, driveways or on-street parking. If extraordinary circumstances preclude such a location, Curbside shall be considered a placement suitable to the resident, convenient to the Contractor’s equipment.

1.8 **“Excluded Solid Waste”** means the following materials, provided, however, that the Contractor and the City may in the future agree in writing to include any of the following materials as Solid Wastes subject to this Agreement:

- (a) Recyclable Materials, except for incidental quantities commingled with other Solid Waste;
- (b) Yard Debris, except for incidental quantities commingled with other Solid Waste;
- (c) Bulky Goods;
- (d) Animal manures, dead animals, and animal remains, including remains from slaughterhouses or butcher shops;
- (e) Grease waste or used cooking oil;
- (f) Sewage sludge, septic tank and cesspool pumpings, or other sludge;
- (g) Biomedical wastes as defined in RCW 70A.228.010;
- (h) Asbestos and asbestos-containing waste;
- (i) Universal wastes as defined in WAC 173-300-020 and 40 CFR § 273.9, including but not limited to batteries, pesticides, mercury-containing equipment, aerosol cans and universal waste lamps as defined therein;
- (j) Other wastes which require specialized disposal or treatment under state or federal law;
- (k) Hazardous Waste;
- (l) Radioactive materials; and
- (m) Other wastes that the Parties agree to from time-to-time in writing to be included as Excluded Solid Waste.

1.9 **“Extra Unit”** means excess Solid Waste or Recyclable Materials that do not fit in a customer’s primary Cart or Container, excluding Bulky Goods. For Cart service, Extra Units are measured in 32-gallon increments, and for customers whose primary Solid Waste Container is one (1) cubic yard or greater in rated capacity, an Extra Unit is measured 96-gallon increments. Contractor shall charge customers for any Extra Units collected, in accordance with the Rates.

1.10 **“Franchise Area”** means: (i) the entire territory included within the City limits as of the Effective Date of this Agreement; and (ii) such additional area within Kittitas County as may thereafter become included with the City limits from time to time due to annexation, incorporation or other means but only from and after the time as the Contractor is able to provide collection services in such additional area.

1.11 **“Hazardous Waste”** means wastes that are defined as hazardous, toxic, or dangerous waste, substance or material, or contaminant, pollutant, or chemical, known or unknown, defined by identified as such in any existing or future applicable federal, state, or local law, statute, code, ordinance, rule, regulations, guideline, decree, or order relating to human health or the environment or environmental conditions, including, but not limited to any substance that is:

- (a) Defined as hazardous by 40.C.F.R. Part 261.3 and regulated as hazardous waste by the United States Environmental Protection Agency under Subtitle C of the federal Resource Conservation & Recovery Act, 42 U.S.C. §§ 6901 *et seq.*, as amended by the Hazardous and Solid Waste Amendments ("HSWA") of 1984; the Toxic Substances Control Act, 15 U.S.C. §§ 2601 *et seq.*; and the Hazardous Materials Transportation Act, 49 U.S.C. §§ 6901 *et seq.*
- (b) Defined as dangerous or extremely hazardous by WAC 173-303-040 and regulated as dangerous waste or extremely hazardous waste by the Washington State Department of Ecology under the State Hazardous Waste Management Act, Chapter 70A.300 RCW, or any other Washington State statute or regulation governing the treatment, storage, handling, or disposal of wastes and imposing special handling requirements similar to those required by Chapter 70A.300 RCW; and
- (c) Any substance that comes within the scope of this definition after the Effective Date of this Contract.
- (d) Any substance that ceases to fall within this definition after the Effective Date of this Contract shall not be deemed to be Hazardous Waste.

1.12 **“Rates”** means the amounts charged by Contractor for the collection services contemplated herein, and other services that Contractor may provide to customers, pursuant to the Service Rate Schedule set forth in Exhibit A.

1.13 **“Recyclables”** means the materials and specifications set forth in Exhibit B.

1.14 **“Residential”** means single family dwellings, duplexes, apartments, mobile homes, condominiums, and other residences where service is billed directly to the occupant of each residence.

1.15 **“Return Trip Fee”** means the fee charged when Contractor is requested by the customer to make a return trip due to no fault of the Contractor, which the Contractor can prove through documentation (e.g., the Containers were not placed at the curb on time and the driver documented that fact in a log or with a photograph).

1.15 **“Solid Waste”** means solid waste, as defined in RCW 70A.205.015, generated by or at any and all public and private Residential, commercial, and industrial sources located in the Franchise Area. Notwithstanding the definition of “solid waste” in RCW 70A.205.015, the definition of Solid Waste for purposes of this Agreement does not include those materials specifically identified herein as “Excluded Solid Waste, unless the Parties subsequently agree in writing to include such materials within the definition of Solid Waste for purposes of this Agreement.

1.16 **“Yard Debris”** means yard debris as defined in RCW 70.95.030(28) as “plant material commonly created in the course of maintaining yards and gardens, and through horticulture, gardening, landscaping, or similar activities. Yard debris includes but is not limited to grass clippings, leaves,

branches, brush, weeds, flowers, roots, windfall fruit, vegetable garden debris, holiday trees, and tree prunings four inches or less in diameter.”

2. Exclusive Right; Self-Haul Exclusion.

2.1. The City does hereby grant to Contractor the exclusive duty, right and privilege to collect, transport, dispose, process or otherwise manage all Solid Waste and Recyclables generated, deposited, accumulated or otherwise coming to exist in the Franchise Area. All Residential (including multi-family residences), commercial, and industrial generators of Solid Waste within the Franchise Area shall be required by the City to utilize the Solid Waste collection services of Contractor provided hereunder.

2.2. Notwithstanding the above, nothing in this Agreement shall prevent any owner, occupant, or tenant of any residential, commercial, or industrial premises from personally handling, hauling, or transporting Solid Waste generated by or at such residential, commercial, or industrial premise to an authorized disposal facility or transfer station, nor shall anything in this Agreement affect or limit the right of any person to sell any Recyclables to any person lawfully engaged in business in the Franchise Area or to donate Recyclables to any bona fide charity, provided that all such Recyclables are separated by the generator.

3. Term; Termination.

The Term of this Agreement shall be five (5) years, commencing on the Effective Date set forth above and terminating at 11:59 p.m. on December 31, 2029. The Parties may extend the Term of this Agreement for successive five (5)-year terms when mutually agreed in writing and signed by the Parties.

4. Contractor Services.

4.1. Collection Services. Contractor shall furnish all labor, supervision, materials, supplies, equipment and all other items required to collect, transport, dispose, process or otherwise manage (i) all Solid Waste generated by or at any and all public and private residential, commercial, and industrial sources located in the Franchise Area, and (ii) Recyclables from subscribing Residential customers located in the Franchise Area (collectively, the “Services”). Contractor shall perform the Services in a lawful and professional manner so that the residential, commercial, and industrial customers within the Franchise Area are provided reliable, courteous, and high-quality Solid Waste and Recyclables collection service.

4.2. Hours and Days of Operation.

- (a) Unless otherwise authorized by the City, Contractor shall perform the Services within the Franchise Area only between the hours of 5:00 am and 7:00 pm, Monday through Saturday, except for the following Holidays: New Years Day, Thanksgiving, and Christmas.
- (b) If a regularly-scheduled collection day falls on a Holiday, as identified above, Contractor shall provide collection service on the next operating day as identified above, unless otherwise agreed to by the Parties.
- (c) Contractor shall provide to the City a schedule setting forth the day or days for scheduled Solid Waste and Recyclables Services and the collection zone or route

for such scheduled Services. Upon sixty (60) days written notice to the City and with the City's written approval which shall not be unreasonably withheld, Contractor may change the schedule for the Services.

4.3. Residential Solid Waste Collection. Contractor shall collect Solid Waste from all Residential customers on a weekly basis. Except as otherwise provided herein, Contractor shall collect all Solid Waste properly set out for collection at the Curb in a Contractor-owned Cart at the date and time established for regularly-scheduled collection. For Residential collection, the Contractor-provided Cart shall serve as the premises' primary Solid Waste collection receptacle.

4.4. Commercial and Industrial Solid Waste Collection. Contractor shall collect Solid Waste from all Commercial and industrial facilities on a weekly basis or on a more frequent basis if requested by the customer. Except as otherwise provided herein, Contractor shall collect all Solid Waste properly set out for collection in a Contractor-owned Cart or Container at the date and time established for regularly-scheduled collection.

4.5. Subscription-based Recycling Collection. Contractor shall collect Recyclables from those Residential customers who elect to subscribe for such services on an every-other week basis. Except as otherwise provided herein, Contractor shall collect all Recyclables properly set out for collection at the Curb in a Contractor-owned Recyclables Cart at the date and time established for regularly scheduled collection.

4.6. Other Solid Waste Collection Services. From time-to-time, a customer may request that the Contractor provide other services related to Solid Waste collection not specifically provided for under Exhibit A of this Agreement. If Contractor agrees to provide such additional collection services, Contractor shall use current rates approved by the Washington Utilities & Transportation Commission ("WUTC") under Contractor's Certificate No. G-237 and Tariff No. 12 for Waste Management of Ellensburg (as may be amended by the WUTC) for the service provided. If the intended services are not covered by either this Agreement or the Contractor's WUTC Tariff No. 12, the Contractor shall notify the City and propose a customer rate for the service. Upon approval of the City, the Contractor may proceed to offer that service.

4.7. Changes in Services. City may require changes in existing services or the addition of new services and Contractor shall comply with such changes, provided that if such changes result in increases in cost to the Contractor, Contractor shall have the right to negotiate a special Rate adjustment pursuant to Section 8.4 of this Agreement, and in no event shall Contractor be required to provide any additional service or implement any changes in existing service until such time as the Parties have agreed to an adjustment in the Rates to cover the cost of, and compensate Contractor for providing, such additional or changed service. Contractor shall provide for City review and approval detailed analyses documenting the manner in which Contractor determines the existence of any such incremental cost increase.

4.8. Missed Collections.

(a) Contractor Failure. If Contractor does not collect a customer's Solid Waste and/or Recyclables on their regularly scheduled collection day through no fault of customer, , Contractor shall make a return trip at no additional charge if requested by the City.

(b) Customer Failure. If Contractor does not collect a customer's Solid Waste and/or Recyclables on their regularly scheduled day due to improper or failure to set-out,

Contamination, or incorrectly contained materials, , a Return Trip Fee will be assessed if a return trip is requested by the City.

(c) Inclement Weather and Force Majeure. For the purposes of this paragraph, a missed collection shall not be a Contractor Failure if due to a Force Majeure event and/or when extreme weather conditions are such that continued operation would result in danger to the Contractor's staff, area residents, or property. In the event of extreme weather conditions, the Contractor shall collect only in areas that do not pose a danger. The Contractor shall notify the City by telephone or email as soon as possible of its decision not to provide some or all regularly scheduled collection services as a result of weather conditions. Contractor shall resume collection on the next normally scheduled collection day that weather conditions allow. When service is resumed, the Contractor shall collect reasonably accumulated excess volumes of materials equal to what would have been collected on the missed collection day from customers at no extra charge. If collection is interrupted for two consecutive weeks due to inclement weather, the Contractor shall provide two collection locations within the City Service Area where any Residential Customer, regardless of collection day, may bring their Garbage for drop-off at no additional cost to the Customer. The location of these sites shall be mutually agreed upon with the City and these sites shall remain open for collection until all regularly scheduled service resumes. Contractor will service containers at the collection location when full, or provide additional containers as needed if collection of loaded containers is impractical due to weather conditions.

4.9 Carts and Containers.

- (a) All Residential and Commercial customers shall use Contractor-owned Carts or Containers for Solid Waste and/or Recyclables collection service, which shall serve as their primary Solid Waste and/or Recyclables collection receptacle(s), and which shall be provided by Contractor at no additional charge to customers, except as set forth in Exhibit B for certain temporary Containers.
- (b) Extra Units are required to be set out as follows: (a) Solid Waste Extra Units may be contained in either a properly closed plastic bag or customer-owned can or cart, and (b) Recyclable Materials Extra Units may only be contained in a cardboard box, kraft paper bag, or customer-owned container marked "recycling".
- (c) All Carts and Containers provided by the Contractor shall remain the property of the Contractor at all times, including upon termination of this Agreement.
- (d) Collection crews shall note any damage to Carts or Containers, such as damaged hinges, holes, poorly functioning wheels and other similarly necessary repairs and will forward repair notices to Contractor's service personnel of any required replacement of or repairs to Carts or Containers, as appropriate. If a customer's Cart or Container become damaged or missing due to an accident, act of nature, the elements, fire, or theft or vandalism by other members of the public, Contractor shall replace such Cart or Container at Contractor's expense upon City's receipt of any such notice from a customer.
- (e) If a Cart or Container is damaged by the customer (normal wear and tear excepted), Contractor may repair or replace the Cart or Container and shall be entitled to

charge the customer a fee for the repairs to or replacement of the Cart or Container as set forth in Exhibit A.

4.10 Solid Waste Disposal. Contractor shall dispose of all Solid Waste collected under this Agreement, or any Solid Waste residuals remaining after processing, at any permitted and licensed site or facility, as mutually selected by Parties, where such disposal is lawful.

4.11 Customer Education. Contractor shall keep the public informed of programs and encourage participation through an Annual Service Update that Contractor shall provide to Residential customers. The Annual Service Update shall be printed and mailed to customers each year, at no cost to City.

5. Additional Collection Services to City. As partial consideration for this Agreement, Contractor shall provide the following at no additional cost to the City or its Solid Waste customers.

5.1 Spring/Fall Clean-Up Program. Contractor shall provide two (2) coupons per year to each Residential customer (one per subscribing Residential customer, per occasion) for use during community Spring and Fall Clean-Up Events at the Upper Kittitas County Transfer Station. Events shall be held annually in April and October, with a coupon mailed to each eligible customer during the preceding month. Each coupon will be redeemable at the Transfer Station for drop-off of one standard pick-up load (legal to transport, 2.5 cubic yards level) of household garbage, furniture items, or yard debris at no charge to customer with proof of residency within the City of Cle Elum. Loads shall be subject to all Transfer Station requirements and restrictions. . . Customers will be required to self-haul items to the Transfer Station. These events will be coordinated with the Kittitas County Solid Waste Programs.

Contractor shall be responsible for all costs associated with the Spring and Fall Clean-Up Events. The Contractor shall report the number of redeemed coupons and total disposal tonnage on an annual basis. City and Contractor agree to work together to evaluate the program each year. If Contractor's disposal costs for the events exceed \$15,000 per year, Contractor and City agree to either reduce the number of coupons provided to each Residential customer annually or adjust the Rates to offset costs to Contractor for the events.

5.2 City-Designated Events. Contractor shall provide Containers, waste collection and disposal services for up to two (2) City-designated events each calendar year. Events, Container sizes and service frequencies shall be as set forth in Exhibit C.

5.3 City Facilities. Contractor shall provide to the City, free of charge, collection of Solid Waste generated from typical office operations to the City-owned facilities set forth in Exhibit C (City Facilities and Events), which also lists Container sizes and frequencies of such collection. Such free collection of Solid Waste shall not apply to materials that (i) are other than Solid Waste generated at the City Facilities through normal operations; and/or (ii) are not generated by the City and/or are collected by third parties and delivered to a City Facility. Contractor shall also provide Solid Waste collection from City-owned street cans at locations and frequencies as set forth in Exhibit C. All locations must be accessible to the Contractor's collection vehicles. If there are any additional City Facilities or services the City desires to include in Exhibit C after the Commencement Date of this Agreement, the Parties shall confer in good faith to negotiate an appropriate adjustment to the Rates.

6. Collection Exclusions.

6.1 **Improper Setout and Contamination.** If Solid Waste and/or Recyclables are set out inappropriately, improperly prepared, Contaminated, or otherwise contain Excluded Materials, the Contractor shall not be required to collect such Container(s) or Extras. If the Contractor elects not to collect such Container(s) or Extras, the Contractor shall notify the customer of the specific problem(s) and reason(s) for rejecting the materials for collection. Such notification shall be provided by notification tag placed in a prominent location. Contractor will not knowingly collect Contaminated Container if Contamination is visible to the driver prior to collection. If Contractor services a Container and subsequently discovers Contamination in the truck hopper at its top, Contractor may assess a Contamination Fee pursuant to the Rates in Attachment B. The Contractor shall maintain an electronic record of all calls related to missed collections and the response provided by the Contractor. Such records shall be made available for inspection upon request by the City.

6.2 If Contractor observes any substances which it or its employees reasonably believe or suspect to contain Hazardous Waste unlawfully disposed of or released in reportable quantities in the Franchise Area, including on, in, under or about City property, including streets, easements, rights of way and City waste containers, Contractor shall immediately notify the City of the same.

7. Standards for Collection and Operation.

7.1 **Compliance with Law.** Contractor shall comply with all laws and regulations applicable to Contractor's operations, including laws, ordinance, rules and regulations of the United States, the State of Washington, the City, and the City and County of the location at which Solid Waste may be transported or disposed of hereunder.

7.2 **Equipment.** Contractor shall possess or demonstrate to the City's reasonable satisfaction that it has available to it adequate equipment and vehicles, including reserve or replacement vehicles and equipment, sufficient to perform the Services required of Contractor herein. Contractor shall maintain all trucks and equipment used within the Franchise Area in good mechanical condition and the same shall be clean, numbered and uniformly painted. All truck bodies used by Contractor shall be constructed of metal and shall be watertight and leak proof. Each vehicle used by Contractor shall carry at all times a broom and shovel or other item appropriate for use in the prompt removal of any spilled material. All vehicles used by Contractor shall have adequate coverage at all times to prevent the spillage of Solid Waste.

7.3 Collection Operations.

- (a) Contractor shall conduct its operation so as to minimize as practicable any obstruction and inconvenience to public traffic or disruption of the peace and quiet of the area within which collection occurs.
- (b) The Contractor shall require all employees to be courteous at all times and not to use loud or profane language and to do their work quietly as possible. Employees performing the Services shall follow the regular walks for pedestrians while on private property, returning to the street or alley after replacing the empty cans. Employees shall also return all Carts and Container, replace all covers and close all gates that they have opened. All employees shall wear clean, presentable clothing. Employees shall not trespass or cross property to neighbor's premises nor interfere with property which does not concern them.

- (c) Contractor shall train its employees to take extra care in the loading and transportation of Solid Waste so that none of the Solid Waste to be collected is left either on private property or on streets or alleys by the Contractor. The Contractor shall be responsible for the cleaning of all debris spilled or tracked on any street, alley, private access/place or public place by any of its equipment. If the Contractor fails to clean such materials within two (2) hours after notice is served by the City, the City may cause such spills to be cleaned and charge the cost to Contractor.

7.4 Business Office; Complaints. Contractor shall maintain a business phone that can be called by the City staff concerning customer complaints.

7.5 Contractor Planning Assistance. Contractor shall, upon request and without cost, make available either to the City or his/her authorized representative, planning and Public Works assistance in respect to design and planning solid waste facilities and their location upon the site of any proposed new construction or remodeling projects.

8. Rates; Adjustments; Billing.

8.1 Service Rate Schedule. Contractor shall provide the Services required under this Agreement for the Rates set forth in the Service Rate Schedule attached hereto and incorporated herein as Exhibit A, as the same may be adjusted in accordance with this Section (collectively, the "Rates"). Contractor shall bill the City monthly for Services as set forth in Exhibit A, attached hereto, and incorporated herein by this reference. The customer count shall be based upon the record of active customers maintained by the City. The count may be adjusted to reflect changes in active customers every (1) month. Payment shall be made to Contractor by City monthly for services rendered in the prior month.

8.2 Annual Rate Adjustment. Commencing on November 1, 2025, and on the same date annually thereafter (each, an "Adjustment Date"), the Rates shall be automatically increase by a percentage equal to the percent change in the average Consumer Price Index for Urban Consumers: Water and Sewer and Trash Collection Services ("CPI") (Series CUUR0000SEHG, CUUS0000SEHG), as published by the United States Department of Labor, Bureau of Labor Statistics. The first adjustment of the Rates will be based on the change in CPI, as described above, of the January 2024 published index compared to the January 2025 published index. Adjustments to the Rates shall be made in units of one cent (\$0.01). Fractions less than one cent (\$0.01) shall not be considered when calculating adjustments. Annual CPI adjustments shall not be negative. In the event the CPI index series decreases year-on-year, there shall be no CPI adjustment. At least thirty (30) days prior to each Adjustment Date, Contractor shall notify City of the adjustment taking effect and shall provide City with Contractor's calculations of such adjustment. Annual adjustments to the Rates shall only become effective following Contractor's timely provision of notice of such adjustment to customers.

8.3 Disposal Fee Adjustments. In addition to any annual Rate adjustment set forth above, Contractor shall be entitled to increase the Rates at any time for any increases due to actual increased tipping fees charged by Kittitas County, Washington. The tipping fee increase shall be allowed only to cover the actual increase in tipping fees plus the actual amounts of any additional applicable taxes, such as B&O taxes, resulting from such tipping fee increases. For purposes of determining the increase in Rates based on the increase in tipping fees charged by Kittitas County, the Parties shall use the following assumptions:

- (a) Each 32-35 gallon Cart, can, or equivalent = 35 lbs.

- (b) Each commercial loose cubic yard equivalent = 130 lbs.
- (c) Drop box/roll off yards shall be treated as a straight pass-through based of the actual net weight of the Solid Waste.

8.4 Other Rate Adjustments. The Contractor's Rates set by this Agreement are calculated to pay certain expenses and costs that are of a contingent and uncertain nature. Therefore, in addition to the provisions for Rate adjustments set forth in Sections 8.2 and 8.3 above, the Rates under this Agreement may, after written request of Contractor or City and after written approval by the City or Contractor, which shall not be unreasonably withheld, be further adjusted on an interim basis for increased or decreased expenses associated with performance of the Services due to any one or more of the following causes:

- (a) material changes in Contractor's costs resulting from a Force Majeure event;
- (b) changes in the scope or method of services provided by Contractor, changes in the Franchise Fee, or other changes or fees required, initiated, or approved by the City;
- (c) any change in law, statute, rule, regulation, ordinance, order or requirement of any federal, state, regional or local government that is effective after the Effective Date of this Agreement;
- (d) a material increase in the cost of diesel fuel; or
- (e) any other extraordinary circumstances or causes or reasons that are not within the reasonable control of Contractor.

If either Party requests an adjustment due to the extraordinary circumstances set forth above, the requesting Party shall prepare a Rate adjustment request setting forth its calculation of the increased or decreased costs and accompanying Rate adjustment necessary to offset such increased or decreased costs. The other Party may request any and all documentation and data reasonably necessary to evaluate such request by the requesting Party, and shall act within ninety (90) days of receipt of the request to either approve or disapprove the request, provided that approval shall not be unreasonably withheld.

8.5 Customer Billing. City shall provide customer billing services and initial customer service functions for this Agreement for scheduled regular customers.

8.6 Contract Fee. Contractor shall pay the City a contract fee of five percent (5%) of gross receipts for the Services on all accounts within the Franchise Area. Payments shall be made to the City on or before the last day of the month following the month for which the contract fee is being paid. Alternatively, City may choose to deduct an amount equal to five percent (5%) of the gross receipts for Services on all accounts within the Franchise Area from the payment otherwise due to Contractor pursuant to Section 8.1.

8.11 Annexation. The exclusive area to be served shall be the Franchise Area as it exists on the Effective Date of this Agreement, as such Franchise Area may be amended throughout the term of this Agreement, including any extensions thereof, pursuant to this Section. Notwithstanding RCW 35.13.280, in the event an area already being served by Contractor is annexed by City, Contractor shall have the sole discretion to service any newly annexed areas under the terms and conditions set forth in this Agreement, as amended, or under the terms and conditions of Contractor's WUTC permit, for a term often (10) years, notwithstanding the term set forth in Section 3 of this Agreement. In consideration of such ten (10) year

term (which is longer than the seven (7) year minimum term set forth in RCW 35.13.280 during which City must permit Contractor to service the newly annexed area or pay damages to Contractor), Contractor expressly waives and releases its right to claim any damages or compensation from City, its officers, agents, or assigns, arising out of the termination of any pre-existing permit or other agreement held by Contractor prior to such annexation, and further, Contractor specifically waives its right to receive any additional compensation or rights of collection in the newly annexed area, outside of the terms and conditions of this Agreement, as amended.

In the event City annexes an area not served by Contractor, Contractor agrees to serve the annexed area for the remaining term of this Agreement, pursuant to the terms and conditions contained herein, if and when City establishes the legal right for Contractor to service such annexed area.

City shall provide Contractor with at least ninety (90) days' prior written notice of any pending annexations, so that Contractor has sufficient time to acquire the necessary equipment, make any necessary Rate and service adjustments, and provide notice to all customers within the newly annexed area.

9. Recordkeeping; Reporting.

Contractor shall make available to City for review relevant, non-confidential documents, reports, or other information regarding the services provided under this Agreement. The City shall have the right, during normal business hours and upon reasonable (at least three (3) business days) advance notice given to Contractor by the City, to inspect the records of Contractor to ensure compliance with the services provided under this Agreement. Contractor shall maintain records, customer lists, compliance records and customer complaints for a period of one (1) year or as required by law, whichever is the greater.

10. Default, Termination.

10.1 Default. In the event of any material failure or refusal of Contractor to comply with any obligation or duty imposed on Contractor under this Agreement, the City and Contractor shall meet and confer in good faith in an effort to agree on a resolution and cure of the breach. If the PARTIES are unable to agree on the informal resolution or cure of the breach within ten (10) business days after City's notice to Contractor, the City shall have the right to terminate this Agreement if:

- (a) Following the ten-day meeting period above, the City shall have given written notice to Contractor specifying that a particular default or defaults exist which will, unless corrected, constitute a material breach of this Agreement on the part of Contractor, and
- (b) Contractor fails to correct such default or fails to take reasonable steps to commence to correct the same within thirty (30) days from the date of the notice given by City under subsection (a) and Contractor thereafter fails to diligently continue to take reasonable steps to correct such default.

10.2 Termination. Upon the occurrence of a material breach, failure to cure and the declaration of termination of this Agreement by the City as provided above, this Agreement shall be of no further force and effect unless the City elects to terminate only a portion of the Services set forth herein and maintain the remainder of the Agreement.

11. Indemnity.

11.1 **Contractor Indemnity.** Contractor shall defend, indemnify and hold harmless City and its employees, agents, appointed and elected officials (collectively, "Indemnitees"), from and against any and all liabilities, penalties, fines, forfeitures, demands, claims, causes of action, suits, judgments and costs and expenses incidental thereto, including reasonable attorneys' fees, (collectively, "Damages") which any or all of the Indemnitees may hereafter suffer, incur, be responsible for or pay out with respect to claims by third parties for personal injury, property damage or other loss to the extent caused by, or arising from or in connection with the negligent actions or omissions or willful misconduct of Contractor, its employees or subcontractors, in the performance of this Agreement. Such indemnity shall be limited to exclude Damages to the extent that they are caused by, arise from or in connection with any negligent actions or omissions or willful misconduct of City or its employees, agents, subcontractors or appointed or elected officials, including in connection with the use of Contractor's property or equipment during an emergency. The extent of Contractor's liability under this Section shall not exceed the amount of Contractor's proportionate share of fault. Contractor's obligations under this section specifically include a waiver of its immunity under Title 51 RCW, the Industrial Insurance Act, but only to the extent of Contractor's indemnity obligation herein. This waiver is specifically negotiated between the parties.

11.2 **Exclusions.** (a) The foregoing indemnification by Contractor shall not apply to Damages arising out of, related to, or connected with Excluded Waste, the title to which shall remain with the generator at all times. (b) Contractor shall not be responsible for damage to public roads or Commercial premises driving surfaces that may occur during the operation of its equipment in the performance of this Agreement.

11.3 **Procedure.** The Indemnitees shall cooperate in the defense of suit if requested by Contractor and shall have the right to approve counsel chosen by Contractor to litigate such suit, which approval shall not be unreasonably withheld. Contractor shall have the sole right to contest, defend, litigate and settle claims tendered by the Indemnitees hereunder provided that a least ten (10) business days prior to any such settlement, written notice of Contractor's intention to settle is given to the Indemnitees. In the event a dispute exists over whether an Indemnitee is entitled to indemnification, the Contractor shall defend the Indemnitee until the dispute is resolved. Upon resolution of the indemnification dispute, the prevailing party shall be entitled to indemnification for its defense costs incurred, including attorney and expert witness fees.

12 Insurance.

12.1 **Coverage.** Contractor shall secure and maintain continuously in full force and effect during the term of this Agreement, and any extensions hereof, insurance policies which will protect Contractor and City from claims from bodily injury, death or property damage which may arise from Contractor's activities or operations under this Agreement. Said policies shall be for not less than the amounts listed below:

- (a) Workers' Compensation: Statutory
- (b) Employer's Liability: \$1,000,000 per accident, per occurrence
- (c) Public Liability, Bodily Injury and Property Damage Insurance: \$5,000,000 per accident, per occurrence.
- (d) Automobile Liability Insurance: \$5,000,000 per accident, per occurrence

12.2 Additional Insured; Certificate. The liability insurance policies shall name the City as an additional insured. Contractor shall provide the City with a Certificate of Insurance duly executed by Contractor's insurance carrier which shall serve as evidence of the continued existence of Contractor's insurance policies required hereunder and which shall contain a provision that the coverage hereunder will not be canceled without thirty (30) days prior written notice given City.

13. Financial Assurance.

No more than ten (10) days following the execution of this Agreement, Contractor shall file with City a bond, payable to City, securing Contractor's faithful performance of its obligations under this Agreement. The principal sum of the bond shall be \$20,000. The bond shall be executed as surety by a corporation authorized to issue surety bonds in the State of Washington, with an A.M. Best Rating of at least A and an AM Best Financial Size rating of at least XV. The surety provider should also be listed on the U.S. Treasury Department most recent List of Certified Companies for federal bonds. In the alternative, Contractor may obtain a letter of credit or open a certificate of deposit in the name of City or obtain and maintain a similar financial instrument in the amount set forth above to be held to secure this faithful performance. Alternatively, Contractor may make a cash deposit in the amount set forth above in a secured interest bearing account as agreed upon by the Contractor and the City. Interest earned from this account shall be paid to the Contractor annually. The cash deposit, plus all undistributed interest earned thereon, shall be returned to the Contractor upon expiration of this Agreement.

14. Dispute Resolution; Attorneys' Fees.

In the event of a dispute arising under this Agreement, the Parties shall continue performance of their respective obligations under this Agreement and shall attempt to resolve such dispute in a cooperative manner. If the Parties are unable to resolve the dispute, then the Parties shall retain all rights and remedies available under this Agreement or under civil or common law. In the event of any litigation to interpret or enforce the terms of this Agreement, the prevailing Party shall be entitled to its reasonable attorney and expert witness fees and costs from the losing Party, at trial and on appeal.

15. Assignment.

Contractor shall not assign its rights nor delegate or otherwise transfer its obligations under this Agreement to any other person or corporate entity without the prior written consent of the City, which consent shall not be unreasonably delayed or withheld. Notwithstanding the foregoing, Contractor shall have the right, without seeking or obtaining approval or authority from the City, to assign or transfer this Agreement to any affiliate of Contractor or its parent corporation.

16. Force Majeure.

Provided that the requirements of this section are met, Contractor shall be excused from performance and shall not be liable for failure to perform under this Agreement if Contractor's performance is prevented or delayed by acts of terrorism, natural occurrences, landslides, lightning, forest fires, storms, floods, typhoons, hurricanes, severe weather, freezing, earthquakes, volcanic eruptions, other natural disasters or the imminent threat of such natural disasters, pandemics, quarantines, civil disturbances, acts of the public enemy, wars, blockades, public riots, strikes, lockouts, or other labor disturbances, acts of government or governmental restraint or other causes, whether of the kind enumerated or otherwise, and whether foreseeable or unforeseeable, that are not reasonably within the control of the Contractor ("Force Majeure"). If as a result of a Force Majeure event, Contractor is unable wholly or partially to meet its obligations under this Agreement, it shall give the City promptly written notice of the Force Majeure event, describing it in reasonable detail. The Contractor's obligations under this Agreement shall be

suspended, but only with respect to the particular component of obligations affected by the Force Majeure and only for the period during which the Force Majeure exists.

17. Independent Contractor.

Contractor is an independent Contractor and shall not be deemed an employee of the City.

18. Captions.

Titles or captions of articles and sections contained in this Agreement are inserted only as a matter of convenience and for reference, and in no way define, limit, extend, or describe the scope of this Agreement or the intent of any provision of it.

19. Severability.

If any of the provisions of this Agreement are determined to be invalid or unenforceable, those provisions shall be deemed severable from the remainder of this Agreement and shall not cause the remainder of this Agreement to be invalid or unenforceable, unless this Agreement without the severed provision would frustrate a material purpose of either Party in entering into this Agreement.

20. Waiver.

No waiver of any right or obligation of either Party hereto shall be effective unless in writing, specifying such waiver, executed by the Party against whom such waiver is sought to be enforced. A waiver by either Party of any of its rights under this Agreement on any occasion shall not be a bar to the exercise of the same right on any subsequent occasion or of any other right at any time.

21. Counterparts.

This Agreement may be executed in two counterparts, each of which shall be deemed an original, but both of which shall be deemed to constitute the same instrument.

22. Governing Law.

This Agreement shall be governed by and construed in accordance with the laws of the State of Washington.

23. Amendment.

This Agreement may be amended, altered or modified only by a writing, specifying such amendment, alteration or modification, executed by authorized representatives of both of the PARTIES hereto.

24. Complete Agreement.

This writing constitutes the full and complete Agreement and understanding between the Contractor and the City. All previous agreements are hereby superseded.

25. Notices. All written notification required by this Agreement shall be effective upon receipt and delivered by Certified US Mail, Return Receipt Requested, overnight delivery by a nationally recognized overnight delivery/courier service, or by hand delivery to the Party's address(es) shown below:

If to Contractor: Area Director, Public Sector Solutions
Waste Management of Washington, Inc.
720 4th Ave, Suite 400, Kirkland, WA 98033
Tel: 425-814-7844

Copy to: Area Senior Legal Counsel
Waste Management of Washington, Inc.
7227 NE 55th Ave. Portland, OR 97218

If to City: City of Cle Elum
Attn: Mayor
119 W 151 St, Cle Elum, WA 98922

Signature page follows.

IN WITNESS WHEREOF, the Parties have caused this Agreement to be Executed.

Contractor

City OF CLE ELUM

By: _____
Print
Name: Jason S. Rose
Title: President
Date: _____

By: _____
Print
Name: _____
Title: _____
Date: _____

ATTESTED/AUTHENTICATED:

By: _____
Print
Name: _____
Title: _____
Date: _____

APPROVED AS TO FORM:

By: _____
Print
Name: _____
Title: _____
Date: _____

EXHIBIT A
SERVICE RATE SCHEDULE

City of Cle Elum (All Rates are monthly unless denoted otherwise) January 1, 2025	
Residential Rates	
Weekly curbside collection service	Monthly Rate
1-20 gallon cart	\$18.53
1-35 gallon cart	\$24.95
1-64 gallon cart	\$35.92
1-96 gallon cart	\$46.37
2-64 gallon cart	\$69.63
1-20 gallon cart senior	\$14.33
1-35 gallon cart senior	\$19.45
1-64 gallon cart senior	\$28.44
1-96 gallon cart senior	\$35.26
Subscription Recycling Services (Optional):	
96 Gallon Recycle Cart – Every Other Week	\$16.33
(If the customer requires multiple cart service, in any combination, the Rates shown above will be multiplied by the number and size of carts requested.)	
Miscellaneous Residential Services	
	Per Occurrence
Extras (32 gallon can or equivalent)	\$5.87
Extra Recycling Material (per 35-gallon equivalent)	\$5.84
Recycling Contamination Fee, per pick up	\$31.79
Oversize or overweight units – per unit	\$10.31
Drive-in charge	\$7.24
Carryouts per cart, per service (over 5 ft. but not over 25 ft.)	\$1.65
Carryouts per cart, per service(over 25 ft. and each increment of 25 ft. thereafter)	\$1.26
Return trips-carts (per pickup)	\$6.70
Cart Replacement (due to customer abuse/damage)	\$70.80
1-96-gallon bear proof cart monthly rental	\$10.92

Commercial Rates	
Commercial Cans (weekly-pick-up service)	Monthly Rate
1-35 gallon cart	\$33.91
1-64 gallon cart	\$49.76
1-96 gallon cart	\$67.79
2-64 gallon cart	\$99.54
(If the customer requires the frequency of collection to be greater than once per week, the rates shown above will be multiplied by the number of times per week that the container is emptied.)	
Miscellaneous Service	Per Occurrence
Return trips (per pickup)-carts	\$6.26
Carryouts per can/cart per pickup (over 5 ft. but not over 25 ft.)	\$0.36
Carryouts per can/cart per pickup (over 25 ft. and each increment of 25 ft. thereafter)	\$0.22
Return Trips (per pickup)- Container	\$14.60
Roll-Out container (per-pickup)	\$3.54
Disconnect Hydraulics (per pickup)	\$25.80
Unlock Gate or Container (per pickup)	\$19.05
Commercial Containers	
Temporary containers	Rate/Pickup
1.5-yard	\$53.99
2-yard	\$63.53
3-yard	\$83.32
4-yard	\$100.57
6-yard	\$133.52
8-yard	\$160.60
Temporary containers	Monthly Rent
Rent 1.5-yard	\$23.09
Rent 2-yard	\$26.57
Rent 3-yard	\$29.73
Rent 4-yard	\$33.22
Rent 6-yard	\$39.86
Rent 8-yard	\$43.02

Temporary containers	Rate/Pickup
Delivery Fee	\$49.20
Extra uncompacted cubic yard (per pickup)	\$41.50
(If the customer requires the frequency of collection to be greater than once per week, the Rates shown above will be multiplied by the number of times per week that the container is emptied.)	

Commercial Container (weekly-pick-up service)	
Permanent containers	Monthly Rate
1.5-yard	\$161.44
2-yard	\$218.88
3-yard	\$322.49
4-yard	\$411.37
6-yard	\$581.65
8-yard	\$753.24
Extra uncompacted cubic yard (per pickup)	\$41.50
Permanent containers	Monthly Rent
Rent 1.5-yard	\$13.02
Rent 2-yard	\$15.69
Rent 3-yard	\$24.40
Rent 4-yard	\$25.13
Rent 6-yard	\$31.47
Rent 8-yard	\$37.79
(If the customer requires the frequency of collection to be greater than once per week, the Rates shown above will be multiplied by the number of times per week that the container is emptied.)	

Roll-off Rates - Permanent/Temporary	
Permanent haul rate	
Haul Rate	Daily Rent
20-yard	\$4.78
30-yard	\$7.11
All Compactors	N/A
	Monthly Rent
20-yard	\$147.83
30-yard	\$220.16
All Compactors	N/A
	Rate per Haul
20-yard	\$245.09
30-yard	\$262.79
Compactors 20YD	\$245.09
Compactors 30YD	\$262.79
	Disposal per Haul
20-yard	actual
30-yard	actual
All Compactors	actual
Miscellaneous Roll-off Service	Per Occurrence
Time for Delivery Driver (per hour)	\$185.75
Actual disposal fee at disposal site or transfer station shall be billed at a pass-through Rate.	

EXHIBIT B
RECYCLABLE MATERIALS SPECIFICATIONS

MATERIAL TYPES	ACCEPTABLE MATERIALS	PREPARATION INSTRUCTIONS	EXCLUDED MATERIALS
Paper	- Office paper, copy paper, construction paper, file folders, note paper, computer paper, brochures - Newspaper, advertisements and paper inserts - Magazines and inserts - Catalogs - Cardboard - Direct mail and paper inserts - Envelopes - Paper bags - Cereal, cookie and cracker boxes - Paper towel tubes - Toilet paper tubes - Tissue boxes - Non-foil wrapping paper - Kraft paper bags or boxes - Paper envelopes containing plastic windows	All materials must be dry. Remove any: - Plastic bags (exterior or interior) - Plastic packaging - Metal - Electronics - Magnets - Twine - Straws - Lids - Food and/or liquids	- Shredded paper - Paper envelopes lined with bubble wrap - Insulation liners or envelopes made from plastic (Tyvek) - Laminated paper - Stickers/labels - Photos - Carbon paper - Receipts - Paper affixed to magnets - Hot or cold cups - Pet food bags - Mixed material bags - Wet and/or soiled paper - Paper with large amounts of paint and/or glue - Frozen food boxes - Juice boxes - Milk cartons - Ice cream Containers - Aseptic Containers, e.g. soup, broth, soymilk, almond milk
Cardboard	- Cardboard boxes - Cardboard packaging - Cardboard beverage Containers	- All materials must be dry - Flatten all cardboard - Remove all interior packaging, e.g. block foam, packing peanuts and exterior plastic wrap - Do not bundle with tape or twine (external tape is acceptable) - Place any oversized cardboard next to Cart/Container	Waxed cardboard

MATERIAL TYPES	ACCEPTABLE MATERIALS	PREPARATION INSTRUCTIONS	EXCLUDED MATERIALS
Metal	• Tin, aluminum and/or steel food and/or beverage Containers	• Remove all exterior packaging • Remove lids • Empty of all food and/or liquids or other debris • Labels do not need to be removed	• Aluminum foil and/or trays • Sharp and/or greasy metal • Scrap metal • Batteries • Microwaves • Electrical cords • Cell phones • Vehicle snow chains • Aerosol cans
Plastic Bottles	• PET/PETE bottles • HDPE bottles/jugs	• Remove lids • Remove straws • Empty of all food and/or liquids or other debris • Labels do not need to be removed	• Plastic bags • Plastics items #3-#7 • Food and/or beverage Containers • Dairy tubs, e.g. butter, yogurt, cottage cheese • Cups • Rigid flowerpots • 5-gallon buckets • Plastic film • Diapers • Plastic bottles that contained HHW listed materials • Deli, bakery and produce clamshell Containers • Loose lids, any size • Plant trays • PVC • Large rigid plastic, e.g. outdoor furniture, laundry baskets, swimming pools, toys • Hoses • Landscaping/sprinkler tubing
Other	Not applicable	Not applicable	• Shredded paper • Fabric (textiles) • Carpet • Wire • Rope • Chains • Christmas lights • Wood • Glass of any kind

EXHIBIT C

City Facilities								
Department		Service			Address			
Police Dept.		Qty (1) 3-yard MSW 1x week			807 W 2 nd St			
Sewer Treatment Plant		Qty (1) 3-yard MSW 1x week			201 Owens Rd			
Library		Qty (1) 96-gallon MSW 1x week			302 N Pennsylvania Ave			
City Shop		Qty (1) 6-yard MSW 1x week			1009 Yakima St			
Veolia		Qty (1) 1.5-yard MSW 1x week			500 Owens Rd			
Water Treatment Plant		Qty (1) 1.5-yard MSW 1x week			1970 SR 903			
City Hall		Qty (1) 1-yard MSW 1x week			119 W 1 st St			
Fire Station No. 51		Qty (1) 1.5-yard MSW 1x week			301 N Pennsylvania Ave			
Fireman’s Park		Qty (1) 1.5-yard MSW 1x week May through November			229 Grant St. Cle Elum, WA 98922			
Baseball Fields		Qty (1) 1.5-yard MSW 1x week May through November			321 S Cle Elum Way Cle Elum, WA 98922			
City Street Cans*								
Location		Qty	Location		Qty	Location		Qty
Beau’s Pizza* 124 E 1st St, Cle		1	City Inland Net		1	Hudson Building		1
WaFed Bank 103 E 1st St		1	Mike’s Tavern* 427 E 1st St.		1	Dairy Queen* 302 E 1st St.		1
Chevron* 207 W 1st St		1	City Hall 119 W 1st St.		1	El Caporal 105 W 1st St.		1
Farm & Home 100 W 1st St		1	Umpqua Bank 201 E 1st St		1	Mama Vallones 302 W 1st St Floor 2		1
Owens Meats* 502 E 1st St.		1	Miners Pizza 121 E 1st St.		1	Sunset Café 318 E 1st St.		1
Telephone Museum 221 E 1st St.		1	Timber Lodge* 301 W 1st St.		1			

* City street cans shall be serviced 1x per week October through April and 2x per week May through September.

City Events		
Event	Service	Location
Pioneer Days	Qty (1) 6-yard MSW serviced once	TBD
Downtown Cleanup	Qty (1) 6-yard MSW serviced once	TBD

2.48.070 Monument compliance.

No monument, structure, effigy, inscription, sign, placard or thing shall be placed, kept or maintained upon any lot or any other cemetery area except as specifically authorized by the ordinances, rules and regulations of the city, and if anything is placed or kept or maintained in violation thereof the sexton shall, with such other city help as is necessary, summarily remove the same, and the cost of removal shall be paid by the offending person or persons.

(Ord. 1409 § 1 (Exh. A), 2014)

2.48.080 Prohibited items.

A. Hereafter the installation or use of any of the following items on or around any grave, lot or plot in any part or section of the city cemeteries is prohibited:

1. Cement or stone or marble chips, or any other covering except grass lawn;
2. Curbing, coping or fencing of any kind;
3. Anything projecting above the surface of the ground or lawn, except as allowed in Section [2.48.360](#).

B. Any such items already installed or maintained in the city cemeteries may be retained, subject to the provisions of Section [2.48.340](#), wherein the city reserves the right to exclude or remove the same.

(Ord. 1409 § 1 (Exh. A), 2014)

The Cle Elum Municipal Code is current through Ordinance 1680, passed September 10, 2024.

Disclaimer: The city clerk's office has the official version of the Cle Elum Municipal Code. Users should contact the city clerk's office for ordinances passed subsequent to the ordinance cited here.

[City Website: cityofcleelum.com](http://cityofcleelum.com)

[City Telephone: \(509\) 674-2262](tel:(509)674-2262)

[Hosted by General Code.](#)

**CLE ELUM PUBLIC WORKS & COMMUNITY DEVELOPMENT
COMMITTEE**

MINUTES

OCTOBER 3, 2024

12:00 PM

119 W FIRST STREET
CLE ELUM, WA 98922

1. Call to Order/Pledge of Allegiance

Jerred Weis - Committee Member absent
Ken Ratliff - Committee Member present
Audrey Malek - Committee Member absent

Rob Omans - City Administrator
Debbie Lee - Clerk
Aaron Barr - Public Works
Audrey Casassa - Utility Clerk

2. Unfinished Business

a. Cemetery Clean Up - Discussion

Committee Member Ratliff went over the minutes from the last meeting.

Discussion was had about creating a policy to not allow artificial flowers in the cemetery. Aaron Barr of Public Works thought this might be the best approach. Aaron Barr explained that it is hard to tell when the artificial flowers were placed on sites, and then they inadvertently get thrown away. Also, the wind blows them around. They discussed what type of language to use in the code. Aaron would go talk to Henry to see what he suggested. The Committee will continue the discussion at the next meeting.

b. Veolia Contract

Discussion was had about anything moving forward with this topic, but that it is an important topic to keep discussing. Committee Member Ratliff does not see the City of Cle Elum in a position to take over the water and sewer treatment plant. Ken is in favor of a 5-year contract and keeping the budget as lean as possible. He also likes the idea of Veolia having buying power and the expertise that they bring. Committee Member Ratliff would like to direct the staff to pursue a 5-year contract with reasonable pricing.

c. Waste Management Contract

Waste Management is still working on the contract. They did say that the rates would be increased to the usual 4%. They will give the option to customers who would like to add recycling services to their account. It will cost approximately \$16.33 per month. This includes the proposed markup.

Public Works & Community Development Committee Agenda

October 3, 2024

119 W FIRST STREET
CLE ELUM, WA 98922

Utility Clerk Casassa reported that the garbage fund has decreased in the last couple of years. Discussion was had that the city should increase garbage and recycling to cover administrative costs. They discussed 4%, 5%, and 6%. The consensus was to add a 5% increase to garbage and recycling services. When Waste Management presents the final contract, it will be brought before the Council to vote on. They will also have fliers to educate the public on what recycling materials are allowed.

Citizen Gary Berndt stated he was involved when the City started requiring garbage service and there were health issues as people would not take their garbage to the dump, a lot of skunks etc. He discourages any thought of doing away with mandatory garbage requirements. Committee Member Ratliff feels the same way.

3. New Business

a. Salt on City Sidewalks

Committee Member Ratliff does not like to see the new sidewalks being damaged by salt. Public Works also supports the idea of banning salt on the sidewalks. There are other alternatives to salt, there is sand and other mixtures that won't damage the cement. Discussion was had regarding how Public Works gets rid of the snow on the city streets. The key to keeping the ice down is staying on top of shoveling the snow. The Department of Transportation only plows from fog line to fog line. Public Works has a new tractor that will help with keeping the sidewalks clear of snow in specific areas up the hill towards Safeway, The Y park and around City Hall.

The current municipal code requires homeowners and business owners to keep sidewalks clear of snow and ice in front of their adjacent property.

The Public Works Committee will take this to the council meeting to see what their recommendation is, either encourage the use of other ice melting alternatives or consider banning the use of salt.

b. September 12, 2024, Public Works & Community Development Committee Meeting Minutes

MOTION: Committee Member Ratliff made a motion to approve the September 12, 2024, Public Works & Community Development Committee Meeting Minutes.

MOTION CARRIED: 1 yes 0 no.

c. Request for Leak Adjustment - Orville Taylor

When construction was happening on 2nd Street, some stakes went through the form boards and punctured Orville Taylor's irrigation lines. The city crew repaired the irrigation lines since they were responsible for damaging them. The leak was not noticed until the irrigation season. Committee Member Ratliff is in favor of approving the leak adjustment of \$136.51 to Orville Taylor's account. This will be on the next council meeting agenda.

Public Works & Community Development Committee Agenda

October 3, 2024

119 W FIRST STREET
CLE ELUM, WA 98922

d. Department of Ecology Stormwater Grant/Loan

The city has applied for a \$330,000 Department of Ecology Stormwater Grant/Loan, 50% of this is forgivable. Other than the City workers, there is additional work that will need to be done by contractors that will require more money. The city can ask for an additional \$330,000 with the same terms of 50% being forgivable with a low interest rate. Discussion was had about how to proceed. Committee Member Ratliff wanted to know how much work has been completed so far. City Administrator Omans stated Dean Smith from HLA would attend the next council meeting and give the details.

4. Other Committee Comments

Gary Berndt reported that the work on the trees in Flag Pole Park is almost complete and encourages staff to go drive by the park and take a look.

Gary Berndt talked to the committee about renaming Flag Pole Park to Rotary Flag Pole Park. Gary stated that the Rotary would work on an agreement about improvements that they would like to see the club accomplish. They discussed benches, more electricity and supplying flags. The City of Cle Elum would be in charge of watering and mowing the park.

5. Adjourn

The meeting was adjourned at 1:21 p.m.

Jerred Weis, Chair

Debbie Lee, Clerk

2024

CITY OF CLE ELUM

CONSTRUCTION STANDARDS

FOR THE PRIVATE CONSTRUCTION OF PUBLIC FACILITIES



119 WEST FIRST STREET
CLE ELUM, WA 98922



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Chapter 1 - Introduction and General Considerations

Introduction

This document serves as a comprehensive guide to Cle Elum's construction and design practices. The City of Cle Elum has adopted these Design and Construction Standards, as a critical component in ensuring the continued excellence of our City's urban landscape. This document describes the standards and protocols for construction and design within the city. The guidelines integrate updates in construction practices, regulatory compliance, and urban planning principles, to align with state standards and local needs. Through these standards, the City of Cle Elum aims to uphold its dedication to responsible development, fostering a pleasing environment for its residents and future generations.

1. Enacting Authority

These Development Standards are enacted by the City of Cle Elum to protect and preserve the public health, safety, and general welfare; and in accordance with State law.

2. Purpose

The purpose of these Design and Construction Standards is to provide consistent requirements, standards, and specifications for the design and construction of public works infrastructure improvements by the City and by private developers. These standards shall apply to the City Limits as well as City owned utility extensions into the Urban Growth Area (UGA).

3. State Environment Policy Act (SEPA)

These Standards will not affect any considerations involving issues under the State Environmental Policy Act (SEPA). The City's responsible official will continue to make all necessary SEPA decisions when individual proposals are submitted.

4. Conflicting Provisions

The standards, procedures, and requirements of these Standards are the minimum necessary to promote the health, safety, and welfare of the residents of the City of Cle Elum. The City may adopt more or less rigorous or different standards, procedures, and requirements whenever necessary. If the provisions of these Standards conflict with one another, or if a provision of these Standards conflicts with the provision of another Ordinance of the City, the most restrictive provision or the provision imposing the highest standard shall prevail.

5. Severance

If any provision of these Standards or its application to any person or circumstance is for any reason held to be invalid, the remainder of these Standards or the application of the provisions is not affected.



6. Process

Design Phase

Any person, firm, or corporation (the “Developer”) whom intends to develop land in accordance with the City of Cle Elum Municipal Code and construct a public works improvement shall apply to the City consistent with the Land Use Application Processing Procedures.

Upon receipt of the public improvements requirements from the City, the Developer shall employ a Consulting Engineer licensed by the State of Washington to prepare plans and specifications for the public works improvements in accordance with these Design and Construction Standards and the City of Cle Elum Municipal Code. The Developer or its Consulting Engineer shall submit a complete PDF package for review by the City and City Engineer.

The City shall review the initial submittal and indicate corrections or additions or request additional information and return one comment set to the Developer. The Developer shall make the required corrections and resubmit a complete PDF package for review by the City and City Engineer.

When it has been determined that the plans and reports indicate compliance with City of Cle Elum Design and Construction Standards, the Developer shall submit to the City a final PDF package for final approval. The cover sheet of the original plans shall contain an “APPROVED FOR CONSTRUCTION BY THE CITY OF CLE ELUM” signature block as specified in Chapter 2 - General Plan Requirements, Section 2. The City’s responsible official will sign the plans. Such approved plans and reports shall not be changed, modified, or altered without written authorization from the City Public Works Director. The Developer shall provide the City with a minimum of two (2) printed full size copies of the approved plan set and reports for use by City inspectors and City Departments as required.

Upon payment of the plan review fee by the Developer to the City, the stamped approved plans and reports will be returned to the Developer, as discussed in Chapter 1 - Introduction and General Considerations, Section 8.

Construction Phase

Before the Developer’s Contractor commences any work, he shall be required to attend a Preconstruction Conference with the City Public Works Department, the City Engineer, and utility companies as determined by the City of Cle Elum. The Contractor will submit his insurance and construction schedule at or prior to this meeting.

All construction shall be inspected by the City of Cle Elum or its authorized agent. The Contractor shall give ten (10) working days minimum notice to the Public Works Director prior to the start of any construction activities.

After cleanup by the Contractor and final inspection by the City, the City will calculate any unpaid inspection fees and submit them to the Developer. The Developer will pay the inspection fee to the City in accordance with Section 8 of this Chapter.



7. Engineering Design Plan Requirements

All plans, specifications, engineering calculations, diagrams, details, and other relevant data shall be designed and prepared by a Civil Engineer licensed by the State of Washington, in accordance with Chapter 2 - General Plan Requirements.

8. Plan Review and Inspection Fee

Plan review and inspection fees are hereby established to defray the administrative expense of plan review and inspection costs incurred by the City of Cle Elum.

The plan review fee and inspection fee shall be the total actual costs incurred by the City of Cle Elum, its agents, employees, and elected or appointed officials, for review and approval of the plans and reports and for inspection of construction of the public improvements. The fees shall include, but not be limited to, initial plan review, subsequent meetings with the Developer, explanations to the Developer's engineering consultant, re-reviews of revised plans, inspection construction, re-inspections, and a final inspection prior to the expiration of the maintenance period.

The plan review fee shall be tabulated and sent to the Developer and paid by the Developer in full prior to the City releasing the approved plans and reports, prior to construction.

The unpaid construction inspection fees shall be tabulated and sent to the Developer and paid by the Developer in full prior to the City issuing a Certificate of Occupancy or signing the final short plat or plat for recording. The City will send monthly invoices to the Developer for inspection costs for the duration of the construction.

9. Record Drawings

The Developer's Engineer shall prepare and maintain a neatly marked, full-sized print or PDF set of record drawings showing the final location and layout of all new construction of the public facilities. Prior to final acceptance by the City of Cle Elum, one (1) PDF set of Record Drawings and two (2) copies prepared by the Developer's Engineer clearly marked "Record Drawings" shall be delivered to the City for review and acceptance.

10. Transfer of Ownership

The Public Works Director or his designee shall make final inspection of all constructed public improvements at construction completion. Upon final inspection and approval of all work, including the method of construction, workmanship, materials, and quality control testing of the improvements, the Developer shall complete a Transfer of Ownership Form for pending acceptance by the City. This form may be found in Appendix A.



11. Easements

Public utility easements shall be established for the location of existing, new, and future public utilities that are located outside of right-of-ways. Easements shall also be granted across the front of new lots and existing lots to provide future utility access as required.

All easements required shall be prepared by the Developer on the proper form and format for recording at the Kittitas County Auditor's Office. The easement legal description shall be prepared by a land surveyor licensed in the State of Washington. The executed and notarized easement document shall be submitted to the Planning Official for review, approval, and recording.

Ten (10) foot wide utility easements shall be dedicated along the front of each lot in subdivisions and short subdivisions. Easements for new and/or future utility lines shall be a minimum of sixteen (16) feet wide, provided the width of the easements for underground utilities will be at least twice the depth of the planned excavation. Where potable and nonpotable utilities are within the same easement, the minimum width shall be adjusted to accommodate separation standards.

Utility easements shall be continuous and aligned from block to block within a subdivision and with easements in adjoining subdivisions to facilitate the extension and future extension of utilities.

Compacted gravel surfacing is required over public utility easements that are not in roadway corridors. Gravel surfacing material shall be either Crushed Surfacing Base Course (CSBC) or Crushed Surfacing Top Course (CSTC) in accordance with WSDOT standard specifications.

12. Utility Oversizing

In all cases, the Public Works Director shall have final determination of the size and depth of water, sewer, and storm mains connected to the City utility system. The determination shall be consistent with the City's comprehensive plan and/or the long-range objectives for the associated utility.

For example, if a property owner/developer is required to install a water main with a diameter in excess of the size necessary to serve their development, and greater than the 8" minimum pipe size required for all utilities, and if the purpose of such oversized is to provide for the future needs of the City, the City may, based upon the conditions established within this policy, reimburse the property owner/developer for the difference in pipe material costs incurred solely by reason of the oversized requirement. No such reimbursement shall be made except upon the following:

- Complete installation of the utility main and approval of the same by the Public Works Director.
- Submittal to the Public Works Director of a bill of sale for the utility main including all applicable pipe diameters.
- Approval of the oversized costs by the Public Works Director.
- Approval of the reimbursement by the Public Works Director.



As an alternative to cash reimbursement, the City may choose to provide a credit, in the amount of the reimbursement that may otherwise be available, against the corresponding development charges. For example, if a water main is oversized, a credit may be granted against the water connection charge, but not the sewer connection charge. Said reimbursement or credit shall not be more than 100% of any and all connection charges.

An oversizing agreement must be executed by the City and Developer prior to plan approval. A summary of all eligible reimbursable costs and backup itemization must be submitted to the Public Works Director, for review and acceptance, prior to building permit application and approval. Following review of submission, a determination of the total reimbursement amount will be calculated by the Public Works Director and provided to the Developer within 45 days of submission receipt. Upon concurrence of the calculated amount by the Developer, the City will provide reimbursement payment within 30 days.



Chapter 2 - General Plan Requirements

All plans, specifications, engineering calculations, diagrams, and other relevant data shall be designed and prepared by a Civil Engineer licensed by the State of Washington.

General Plan Format

1. Plan sheets and profile sheets or combined plan and profile sheets and detail sheets shall be on a sheet size of 22" x 34" (ANSI D).
2. The Cover sheet shall contain the following:
 - a. Name, address, and phone number of the owner/developer.
 - b. Name, address, and phone number and stamp of the Civil Engineer preparing the plans (Consultant).
 - c. "APPROVED FOR CONSTRUCTION BY THE CITY OF CLE ELUM" with signature block for City final approval of the plans.
 - d. "APPROVED FOR CONSTRUCTION BY THE CITY OF CLE ELUM FIRE CHIEF" with signature block for final approval of the plans.
 - e. Signature block for outside utilities listed below with the statement "By signing, the indicated utility is acknowledging receipt of plans and notification of the project, including public improvements." The Developer is responsible to coordinate with each utility, and their established system requirements and review/approval processes separate from the City plan submission requirements.
 - i. Inland Networks, (509) 674-9346
 - ii. Lumen Technologies, (253) 797-4545
 - iii. Puget Sound Energy, (425) 463-6550
 - iv. Ziply Fiber, (509) 406-4955

Please note, the approval or waiver of service from outside utilities must be received prior to final plan acceptance and plan approval consideration by the City.

 - f. Vicinity map showing the project site location.
 - g. Survey benchmark used for the project.
 - h. Sheet Index.
 - i. Legend.
 - j. Applicable project information.
 - k. The utility locate call #811
3. Each sheet shall contain the following project information:
 - a. Project title and City project number, work order number, or LID number, if appropriate.
 - b. Quarter section, Section – Township – Range.
 - c. Sheet title.



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- d. Page (of page) numbering.
 - e. Revision block.
 - f. Subdivision or short plat name.
 - g. Signed stamp by a Civil Engineer currently licensed in the State of Washington.
4. All plan sheets must have a NORTH arrow preferably pointing to the top of the sheet or to the left, and must indicate the drawing scale. All engineering plans must be drawn to an appropriate engineer's scale. For profiles, the vertical scale shall be 1"=2', 1"=5' or 1"=10'. The horizontal scale shall be the same for both plan and profile and normally be 1"=20'. Plan and profile stationing shall generally read left to right.
 5. Match lines are required at breaks between sheets.
 6. The Horizontal Datum for all plan submittals must be based on the City of Cle Elum datum, NAD 83 (2011). The Vertical Datum for all plan submittals must be based on the City of Cle Elum datum, NAVD 88. The benchmark used shall be referenced on the plans. An assumed datum will not be accepted.
 7. Existing features and topography within the project construction limits must be shown on the plans. This shall include existing road width and surfacing, utility poles, existing underground utilities and surface appurtenances, significant trees, landscaping, and other elements that may affect design/construction.
 8. All existing and proposed underground utilities and pipes shall be shown in the profile. The location and depth of existing facilities should be verified if there is a potential conflict with proposed facilities.
 9. All street, water, sewer and storm drainage work shall be drawn on standard plan and profile sheets. Street, water, sewer, storm drainage, irrigation, and electrical design information shall all be shown on the same plan and profile sheets.
 10. Plan sheets shall indicate all existing and proposed property lines, right-of-way lines, and easements.
 11. Plan sheets shall show all horizontal survey control as required to properly locate and tie the improvements in horizontal location.
 12. An erosion/sedimentation control plan sheet shall be included in the plan set.
 13. A traffic control plan shall be included in the plan set when improvements impact public right-of-ways.



Water System Plan Requirements

See Chapter 4 - Water System Improvements for specific design requirements.

1. Show all existing and proposed water system features if known, including but not limited to:
 - a. Water mains
 - b. Water valves
 - c. Water meters
 - d. Water service lines
 - e. Fire hydrants
 - f. Blow offs
 - g. Air and vacuum release valve assemblies
 - h. Pressure reducing valves
 - i. Fire sprinkler system lines
 - j. Double check valves
 - k. Post indicator valves
 - l. Thrust blocking/mechanical restraints
2. Indicate all easements required for the water main extensions and future extensions.
3. Show the water system, storm system, and the sanitary sewer system on the same plan and profile view for verification of minimum separation requirements. The design information for each system may be on individual drawings for that system.
4. Show the length, size, and pipe type for all main extensions, fire sprinkler system services, and domestic services where applicable.
5. Identify all joint connections, provide detail of all non-standard joints.
6. Show by station or dimension the location of all fire hydrants, elbows, tees, crosses, and services relative to centerline or property lines.
7. A profile view shall be shown for all City water main extensions, aligned if practical with the plan view. Clearly indicate the horizontal and vertical scales.
8. Show the minimum cover and minimum separation on each sheet.
9. In the profile view, show all utilities crossing the proposed water main.



Sanitary Sewer System Plan Requirements

See Chapter 5 - Sanitary Sewer System Improvements for specific design requirements.

1. Show all existing and proposed sanitary sewer system features including, but not limited to, the following:
 - a. Sewer mains, gravity and force mains
 - b. Side service, proposed locations
 - c. Manholes
 - d. Clean outs
 - e. Lift stations
2. Indicate all easements required for the sanitary sewer main extensions and laterals.
3. Provide an overall site plan of development with contours, to show that all lots/parcels will be served by the proposed sewer system at design depth for all new development.
4. Show the sanitary sewer system, storm system, and water system on the same plan and profile for verification of minimum separation requirements. The design information for each may be on individual drawings for that system.
5. Slope, length, size, and pipe type shall be indicated for all mains and side sewers. Pipe length shall be measured from centerline of manholes.
6. Provide a profile for each sanitary sewer main extension. Clearly indicate the vertical and horizontal scale. Show the profile on the same sheet with, and aligned underneath, the plan view as practical.
7. The plan and profile must show the location of all existing and proposed gas, water, storm drain, and other utility lines and crossings.
8. Show all vertical data in the profile view and all horizontal data in the plan view. It is not desirable to repeat the vertical data in the plan view unless it is not shown in a profile.
9. Each manhole shall be uniquely numbered and shall be stationed off of a referenced centerline. Indicate rim and invert elevations in and out at all manholes.
10. Indicate the length of each side sewer stub, the centerline stationing for each side sewer, and the size.



Stormwater System Plan Requirements

See Chapter 6 – Stormwater Improvements for specific design requirements.

1. Show all existing features if known and all proposed storm sewer (drain) system features, including but not limited to:
 - a. Storm drain mains and lines
 - b. Catch basins
 - c. Inlets
 - d. Drywells
 - e. Infiltration trenches
 - f. Retention systems
 - g. Biofiltration swales
 - h. Culverts
 - i. Streams
 - j. Ditches
 - k. Natural drainage swales
 - l. Headwalls
 - m. Oil/water separator assembly
 - n. Other requirements of the Department of Ecology's Stormwater Management Manual for Eastern Washington
2. Indicate all easements required for the storm drainage system.
3. The plans shall clearly indicate the location of the storm drainage items stationed from a referenced centerline.
4. Show all horizontal measurements and control in the plan view.
5. Show slope, length, size, and pipe material for all storm drain mains and lines.
6. All catch basins and inlets shall be uniquely numbered and shall be clearly labeled. Stationing and offsets shall be indicated from referenced centerline. Show all proposed storm drain features within the right of way in a profile.
7. Indicate all grate, rim, and invert elevations in the profile view.
8. Provide stormwater report consistent with the Stormwater Management Manual for Eastern Washington. The report shall include but not be limited to an introduction, analysis of existing conditions including any off-site contributions, construction plans including temporary erosion control, basin map, sizing computations for volume and flow, treatment considerations, geotechnical information.
 - 3.2.6 Step 5: Prepare a Permanent Stormwater Control Plan
 - 3.2.7 Step 6: Select Construction Stormwater Pollution Prevention BMPs
 - 3.2.8 Step 7: Complete the Stormwater Site Plan



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- 3.2.9 Step 8: Check Compliance With All Applicable Core Elements.
Additionally, the stormwater report shall include a maintenance plan for all drainage facilities, both public and private.



Street Plan Requirements

See Chapter 7 - Street Improvements for specific design requirements.

1. Show all existing and proposed roadway improvements, including but not limited to:
 - a. Pavement and edge of pavement
 - b. Concrete curb and gutter
 - c. Sidewalk(s)
 - d. Utilities (manholes, utility poles, pedestals, valves, water meters, etc.)
 - e. Sidewalk ramps
 - f. Signs and barricades
 - g. Driveways
 - h. Rockery or retaining walls
 - i. Mailboxes
 - j. Monuments
 - k. Streetlights, conduits, junction boxes, and service cabinet
 - l. Compliance with ADA requirements
2. Show all Right of Way (R/W) lines, centerlines, and roadway widths for all rights of way.
3. Clearly differentiate between areas of existing pavement, areas of new pavement, and areas to be overlaid.
4. Provide a cross section or typical section of all rights of way indicating right of way width, centerline, pavement width, super-elevation or crown, sidewalk, street lights, curb and gutter, pavement, and base thickness of proposed section.
5. Provide a plan and profile of all new public roadways or extensions of existing roadways. Provide topography within the right-of-way including utilities. Indicate all horizontal and vertical curve data, percent of grade, bearings, centerline stationing every 50 feet, finish grade elevations, and existing ground line. The profile of the existing centerline ground should extend a minimum of 100 feet before the beginning and at the end of the proposed improvements to show the gradient blend.
6. Align the profile view with the plan view, if practical. Clearly indicate the horizontal and the vertical scale.
7. Clearly label all profiles with respective street names and plan sheet reference numbers if drawn on separate sheets.
8. Provide survey monuments along the road centerline at all ends of curves, intersection points, angle points, and center of cul-de-sacs.
9. For developments where road work is required on an existing street, development plans are required to include cross section of the existing street and spot elevations at proposed intersections and appurtenances to the project.



Chapter 3 - General Requirements for All Projects

Forward

The City of Cle Elum has adopted the latest edition of the Standard Specifications for Road, Bridge, and Municipal Construction (Standard Specifications) prepared by the Washington State Department of Transportation (WSDOT) and the American Public Works Association (APWA) General Special Provisions (GSP's) for Division One General Requirements as the standard specifications governing all design and construction of public works improvements by the City and by private developers.

All references hereinafter made to the "Standard Specifications" shall refer to the latest edition of the Standard Specifications described above. Except as may be amended, modified, or supplemented hereinafter, each section of the Standard Specifications shall be considered as much a part of these requirements as if they were actually set forth herein.

The Standard Specifications, General and Project Special Provisions, and City Standard Details contained in these Design and Construction Standards shall apply in their entirety to all City of Cle Elum public works projects. These Design and Construction Standards have been prepared to form a compiled document intended to assist and inform developers, consultants, and contractors of the construction requirements to be used on proposed public works improvements.

The Standard Specifications, General and Project Special Provisions, and City Standard Details shall periodically be amended, revised, and updated. It shall be the responsibility of each user of this information to verify that he has the latest revisions prior to submitting any work covered by these specifications and details.

Copies of the Standard Specifications are available electronically at:

www.wsdot.wa.gov/publications/manuals/fulltext/M41-10/SS.pdf

Copies of the APWA GSP's are available electronically at:

<https://wsdot.wa.gov/engineering-standards/all-manuals-and-standards/general-special-provisions-gsps/local-agency-general-special-provisions-gsps>

Also incorporated into the Construction Standards by reference are:

- Washington State Department of Transportation (WSDOT) manuals, current editions, including:
 - o *Standard Plans for Road, Bridge and Municipal Construction, WSDOT/APWA*
 - o *Manual on Uniform Traffic Control Devices (MUTCD) for Streets and Highways - Washington State Supplement*
 - o *Bridge Design Manual*
 - o *Hydraulics Manual*
 - o *Standard Plans*
 - o *Design Manual*
- Local Agency Guidelines (LAG) Manual, current edition



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- American Association of State Highway and Transportation Officials (AASHTO) manuals, current editions, including:
 - o *A Policy on Geometric Design of Highways and Streets, 2011 Edition*
 - o *Guide for Design of Pavement Structures*
 - o *Highway Drainage Guidelines*
 - o *Guide for Roadway Lighting*
 - o *Roadside Design Guide*
 - o *Geometric Design of Very Low Volume Local Roads (ADT)*
 - o *AASHTO Guide for the Development of Bicycle Facilities*
 - o *AASHTO Guide for the Planning, Design, and Operation of Pedestrian Facilities*
 - Transportation Research board (TRB)
 - o *Highway Capacity Manual*, current edition
 - Institute of Transportation Engineers (ITE)
 - o *Traffic Engineering Handbook*, current edition
 - Federal Highway Administration (FHWA)
 - o *Manual on Uniform Traffic Control Devices (MUTCD)*
 - o *49 CFR Part 27 and Designing Sidewalks and Trails for Access, Part II*, current edition
 - American Disabilities Act (ADA)
 - o *28 CFR Part 35, 28 CFR Part 36, Appendix A, and the Access Board's Proposed Public Right of Way Guidelines*, current edition
 - National Association of City Transportation Officials (NACTO), current editions
 - o *Urban Bikeway Design Guide*
 - o *Urban Street Design Guide*
 - o *Transit Street Design Guide*
 - o *Urban Street Stormwater Guide*
 - Roundabouts
 - o *NCHRP Reports 572, 672, and 772*
 - Traffic Calming
 - o *Traffic Calming ePrimer, FHWA*

Developers and Contractors are encouraged to contact the City of Cle Elum Public Works Department regarding these standards.

City of Cle Elum Public Works Department
119 West 1st Avenue, Cle Elum, WA 98922
Telephone: (509) 674-2262
Fax: (509) 674-4097

General

All work shall be done in accordance with the approved Plans, the latest edition of the *Standard Specifications for Road, Bridge, and Municipal Construction* prepared by the Washington State Department of Transportation, amendments to the Standard Specifications, referenced codes and organizations, and these Special Provisions.

The American Public Works Association (APWA) General Special Provisions (GSP's) to Division One of the WSDOT Standard Specifications shall amend Division One of the *Standard*



Specifications for Road, Bridge, and Municipal Construction. These GSP's are available at <https://wsdot.wa.gov/engineering-standards/all-manuals-and-standards/general-special-provisions-gsps/local-agency-general-special-provisions-gsps>.

All materials incorporated into a proposed public works improvements project shall meet the requirements of Division 9 of the Standard Specifications or City of Cle Elum Design and Construction Standards as shown in the Standard Details and Special Provisions.

Any Public Works facility improvements or components that are not specifically addressed in these Design and Construction Standards shall be designed by a licensed professional engineer in the State of Washington, and provided to the City for review and approval consideration by the City and City Engineer.

1-01 Definitions and Terms

1-01.3 Definitions

The terms defined in Section 1-01.3 of the Standard Specifications shall be further described by the following:

Consultant:	Means an engineer licensed in the State of Washington, employed by the Developer to design the improvement and prepare plans and specifications, perform construction staking, or similar services.
Construction Documents:	Means the project plans, reports, specifications, and special provisions prepared by the Developer's Consultant for the public works improvements contemplated and approved by the City.
City:	Means the City of Cle Elum, a municipal corporation, as represented by its authorized officials, employees or agents.
Contractor:	Means the person or firm employed by the Developer or under Contract with the City to do the construction of the public works improvements.
Developer:	Means the person or firm constructing the new development and engaging the services of and employing consultants, and/or contractors and paying for the design and construction of the public works improvements to be transferred to the City.
Drawings:	Means the construction plans prepared by the Developer's Consultant for the public works improvements contemplated. The terms "Construction Documents," "Contract Documents," "Plans," "Engineer's Plans," "Engineer's Drawings," "Working Drawings," and "Project Manual" are synonymous.



Engineer:	Means the appointed City Engineer for the City of Cle Elum or his/her duly authorized agent or representative.
Owner:	Means the City of Cle Elum acting through its legally established officials, boards, commissions, etc., as represented by its authorized officers, employees, or agents.
Public Works Director:	Means the appointed official for the City, responsible for managing the Department of Public Works.
Standard Plans and Details:	Means specific drawings adopted by the City of Cle Elum and revised from time to time which show frequently recurring components of work which have been standardized for use.
Standard Specifications:	The latest edition of <i>Standard Specifications for Road, Bridge, and Municipal Construction</i> prepared by the Washington State Department of Transportation, and amendments, and the APWA GSP's for Division One that are, by this reference, made part of the Contract Documents. Except as may be amended, modified, or supplemented herein after, each section of the Standard Specifications shall be considered as much a part of these Construction Documents as if they were actually set forth herein.
Special Provisions:	The Special Provisions supplement or modify the Standard Specifications and supersede any conflicting provisions of the <i>Standard Specifications for Road, Bridge, and Municipal Construction</i> and the appended amendments to the Standard Specifications and are made a part of a Construction Document.

Should any conflicts be encountered, the following inter-relationships shall govern: The Special Provisions shall supersede the APWA GSP's, which shall supersede the WSDOT Amendments, which shall supersede the Standard Specifications.

Supplement this section with the following:

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

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

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



All references to “certification of completed public improvements” shall be interpreted to mean the Contracting Agency form(s) by which final completion is granted.

1-04 Scope of the Work

1-04.4 Changes

Supplement this section with the following:

No changes in the work covered by the approved Construction Documents shall be made without having prior written approval of the Developer and the City.

1-04.11 Final Cleanup

Delete this section and replace it with the following:

The Contractor shall perform final cleanup as provided in this section to the Developer's and City's satisfaction. The date of completion will not be established until this is done. The material sites and all ground the Contractor occupied to do the work shall be left neat and presentable. The Contractor shall:

1. Remove all rubbish, surplus materials, discarded materials, falsework, temporary structures, equipment, and debris, and
2. Deposit in embankments, or remove from the project, all unneeded, oversized rock left from grading, surfacing, or paving.

Partial cleanup shall be done by the Contractor when he feels it is necessary or when, in the opinion of the City or Developer, partial clean-up should be done prior to either major cleanup or final inspection. When directed by the City, the Contractor shall provide partial cleanup within 48 hours of such order. Should the Contractor fail to comply, the City may utilize its own staff and/or contracted staff at the prevailing wage rate plus equipment rental charges, which the Contractor shall be responsible for all applicable expenses. Subsequent building permits will not be processed until reimbursement is paid in total.

1-04.12 Waste Site (New Section)

The following new section shall be added to the Standard Specifications:

Where there is additional waste excavation in excess of that needed for the project and in excess of that needed for compliance with requests of the Developer or City, the Contractor shall secure and operate his own waste site at his own expense. The Contractor shall also be required to secure and operate his own waste site at his own expense for the disposal of all unsuitable material, asphalt, concrete, debris, waste material, and any other objectionable material which is directed to waste.



The Contractor shall comply with the State of Washington's regulations regarding disposal of waste material as outlined in WAC 173-304, Subchapter 461.

1-05 Control of Work

1-05.1 Authority of the Engineer

Supplement this section with the following:

Unless otherwise expressly provided in the approved Construction Drawings, Specifications and Addenda, the means and methods of construction shall be such as the Contractor may choose; subject, however, to the Consultant and the City's right to reject the means and methods proposed by the Contractor which (1) will constitute or create a hazard to the work, or to persons or property; or (2) will not produce finished work in accordance with the terms of the approved Construction Documents. Approval of the Contractor's means and methods of construction or his failure to exercise his right to reject such means or methods shall not relieve the Contractor of the obligation to accomplish the result intended by the Construction Documents; nor shall the exercise of such right to reject create a cause for action for damages.

1-05.3(1) Project Record Drawings (New Section)

The following new section shall be added to the Standard Specifications:

The Contractor shall maintain a neatly marked, full-size set of record drawings showing the final location and layout of all new construction. Drawings shall be kept current weekly, with all field instruction, change orders, and construction adjustment.

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

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

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



Drawings shall be subject to the inspection of the Developer and the City at all times. Prior to acceptance of the work, the Contractor shall deliver to the Developer one set of neatly marked as-built drawings showing the information required above. The Developer shall prepare and deliver to the City of Cle Elum the Record Drawings and copies in accordance with Section 9 of Chapter 1 - Introduction and General Considerations.

1-05.5 Tolerances

The following new section shall be added to the Standard Specifications:

A land surveyor licensed in the State of Washington, retained by the Developer, shall establish the line and grade of proposed construction by offset stakes. Staking may be done by or at the direction of the licensed land surveyor. Said surveyor shall establish the centerline for minor structures and benchmarks at convenient locations for use by the Contractor and City inspectors. GPS systems may be used by the Contractor, but physical reference points shall be available for City inspection.

The Contractor shall establish grades from the surveyor's stakes at suitable intervals in accordance with industry standards and acceptable to the City. Where new construction adjoins existing construction, the Contractor shall make such adjustments in grade as are necessary and approved by the City.

1-05.6 Inspections of Work and Materials

Supplement this section with the following:

The Public Works Director or his representative may not be on the job site full-time. The Contractor shall follow the approved construction plans and specifications, schedule, and request inspections and testing at the appropriate times as required herein. The Public Works Director will try to provide inspections on short notice, but if unable to, the requirements for proper notice shall apply. The project schedule prepared by the Contractor and approved by the Public Works Director shall also be used as a guide for the Contractor to schedule inspections. The Contractor shall provide a minimum 48 hours notice to request inspections, but in no case shall there be more than 72 hours notice. The request shall state the date and approximate time the inspection is requested. If the Contractor has requested two (2) inspections and is not prepared for said inspection, the Contractor shall pay the costs for any additional improperly scheduled requests.

At the beginning of the project, or each applicable construction activity, the Contractor shall meet with the Public Works Director or his representative and establish a minimum standard for 100 feet of product (basis for acceptance), in the field, which meets the specifications. This work includes: Survey staking and control, pavement cuts, utility trenches, trench bedding, pipe installation, backfill, patches, curb and gutter alignment, grade and finish, sidewalk finish, paving finish, and any other activities determined by the Engineer to be important to the project. No major amount of work shall proceed until this minimum standard is established. This does not waive the Contractor's requirements in the specifications for quality control or materials used.



Inspections by the City of Cle Elum or its authorized agent are mandatory for acceptance of backfilling any utility trenches; placing base course and top course for streets; paving; placing sidewalks, curbs and gutters; storm, sewer and water line installation. All construction shall be inspected.

1-05.6(1) Testing (New Section)

Supplement this section with the following:

The Contractor/Developer shall be responsible for scheduling and paying for all material and compaction testing required by these Design and Construction Standards for new public works Improvements. All testing services shall be performed by an independent, certified testing firm and/or laboratory meeting the approval of the City and/or City Engineer. The Contractor shall submit information relating to the qualifications of the proposed testing firm to the City for review and approval prior to the preconstruction conference. The Contractor shall provide copies of all test result reports to the City within 24 hours after completion of any test. Test reports shall become the property of the City. Testing frequencies listed below may be modified to assure compliance with the Specifications.

Trench Backfill

Copies of moisture-density curves for each type of material encountered and copies of all test results shall be provided to the City as construction progresses.

Compaction tests shall be taken at a frequency and at depths sufficient to document that the required density has been achieved. At a minimum, one (1) compaction test shall be taken for each 100 linear feet of mainline pipeline trench and one (1) test for each street crossing. At alternating 100-foot locations along the main trench line, tests shall be taken at 1-foot, 2-foot, and 3-foot depths below finish grade.

The City or City Engineer may request additional tests be performed at the Contractor's/Developer's expense, if test results do not meet the required trench backfill densities.

All trenches shall be backfilled and compacted to at least 95 percent of maximum density as determined by ASTM D 698 (Standard Proctor).

Roadway Subgrade (Embankment and Excavation Sections)

Copies of the moisture density curves for each type of material encountered and copies of all test results shall be provided to the City or City Engineer as construction progresses.

Compaction tests shall be taken at a frequency sufficient to document that the required density has been achieved. At a minimum, one (1) compaction test shall be taken for every 5,000 square feet of subgrade.



The City or City Engineer may request additional tests be performed at the Contractor's expense, if test results do not meet the required subgrade densities. Subgrade compaction shall be as specified for Roadway Embankment in Section 2-03.3(14)C, Method C, compacted to at least 95 percent of maximum density as determined by ASTM D 698 (Standard Proctor).

Ballast and Crushed Surfacing

Copies of the moisture density curves and gradation for each type of material incorporated into the project and copies of all test results shall be provided to the City or City Engineer as construction progresses.

Compaction tests shall be taken at a frequency sufficient to document that the required density has been achieved. At a minimum, one (1) compaction test shall be taken for every 5,000 square feet of surface area for each lift of ballast or crushed surfacing.

The City or City Engineer may request additional tests be performed at the Contractor's/Developer's expense, if test results do not meet the required subgrade densities.

Compaction of ballast and crushed surfacing shall be as specified in Section 4-04.3(5).

Asphalt Pavement

Copies of the reference maximum density test for each class of Hot Mix Asphalt pavement and copies of all test results shall be provided to the City or City Engineer as construction progresses.

Density tests shall be taken at a frequency sufficient to document that the required density has been achieved. At a minimum, one (1) compaction test shall be taken for every 5,000 square feet of surface area for each lift of asphalt concrete pavement.

The City or City Engineer may request additional tests be performed at the Contractor's/Developer's expense, if test results do not meet the required subgrade densities.

Compaction of Hot Mix Asphalt pavement shall be as specified in Section 5-04.3(10)A.

Portland Cement Concrete for Curb, Gutter, and Sidewalk

A copy of the cement concrete design mix or certification from the concrete supplier that the concrete provided has been prepared to the strength requirement as specified elsewhere in these specifications.

Sample the first truck and each load until two successive loads meet specifications, and then randomly test one load for every 100 cubic yards. If at any time one load fails to meet specifications, continue testing every load until two successive loads meet specifications, and then randomly test one load for every 100 cubic yards.



All testing procedures shall be conducted in accordance with applicable Sections of Division 6-02 of the Standard Specifications.

Copies of all test results shall be provided to the City or City Engineer as construction progresses.

1-05.7 Removal of Defective and Unauthorized Work (October 1, 2005 APWA GSP)

Supplement this section with the following:

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

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

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

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

Supplement this section with the following:

For new roadway/street construction and overlays, HMA work rejected shall require the replacement of the entire road or street width from block to block or as approved in writing from the City or City Engineer. For trench patching, HMA work rejected shall require the replacement of the entire patch width from block to block or as approved in writing from the City or City Engineer.



1-05.8 Means and Methods (New Section)

The following new section shall be added to the Standard Specifications:

Unless otherwise expressly provided in the Contract Drawings, Specifications and Addenda, the means and methods of construction shall be such as the Contractor may choose; subject, however, to the Consultant's or City's right to reject means and methods proposed by the Contractor which (1) will constitute or create a hazard to the work, or to persons or property; or (2) will not produce finished work in accordance with the terms of the Contract. The Consultant's or City's approval of the Contractor's means and methods of construction or his failure to exercise his right to reject such means or methods shall not relieve the Contractor of the obligation to accomplish the result intended by the Contract; nor shall the exercise of such right to reject create a cause for action for damages.

1-05.10 Guarantees

Delete this section and replace it with the following:

If, within one year (1) after the date of Final Acceptance of the Work, defective and unauthorized materials or work is discovered, the Developer/Contractor shall promptly, upon written request, return and in accordance with the instructions either correct such work, or if such work has been rejected, remove it from the Project Site and replace it with non-defective and authorized work, all without cost to the City. If the Contractor does not promptly comply with the written request to correct defective and unauthorized work, or if an emergency exists, the City reserves the right to have defective and unauthorized work corrected or rejected, removed, and replaced pursuant to the provisions of Section 1-05.7 of the Standard Specifications.

The Contractor agrees the above one-year limitation shall not exclude nor diminish any rights under any law to obtain damages and recover costs resulting from defective and unauthorized work discovered after one year. A maintenance bond may be required for guarantee per the Cle Elum Municipal Code.

1-05.14 Cooperation With Other Contractors

Supplement this section with the following:

No additional compensation will be given to the Contractor for any coordination or delays caused by other nearby construction projects.

1-05.16 Water and Power (New Section)

The following new section shall be added to the Standard Specifications:

Water Supply: Water for use on private development construction may be purchased from the City of Cle Elum. The Contractor shall be required to follow the City's requirements to obtain a hydrant water meter and report use. The Contractor shall



convey the water from the nearest convenient hydrant or other source at his own expense. The hydrants shall be used in accordance with the appropriate Water Department regulations. The City of Cle Elum reserves the right to deny the use of fire hydrants where deemed inappropriate by the City.

Power Supply: The Developer shall make necessary arrangements and shall bear the costs for power necessary for the performance of the work.

1-05.17 Oral Agreements (New Section)

The following new section shall be added to the Standard Specifications:

No oral agreement or conversation with any officer, agent, or employee of the Contracting Agency, either before or after construction, shall affect or modify any of the terms or obligations contained in any of the City-approved documents. Such oral agreement or conversation shall be considered as unofficial information and in no way binding upon the Contracting Agency, unless subsequently put in writing and signed by the Contracting Agency.

1-06 Control of Material

1-06.2(2) Statistical Evaluations of Materials for Acceptance

Delete Section 1-06.2(2).

1-07 Legal Relations and Responsibilities to the Public

1-07.1 Laws to be Observed

(October 1, 2005 APWA GSP)

Supplement Section 1-07.1 with the following:

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

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

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



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

Amend the second sentence of the first paragraph to read:

The Contractor/Developer shall indemnify and save harmless the City of Cle Elum (including any agents, officers, employees, and representatives) against any claims that may arise because the Contractor (or any employee of the Contractor or subcontractor or materialman) violated a legal requirement.

1-07.5(3) State Department of Ecology

Add the following:

9. Comply with the requirements and special general conditions of the *Construction Stormwater General Permit* issued by the Washington State Department of Ecology to the Developer/Contractor for this project.

1-07.5(4) Air Quality

Supplement this section with the following:

The Contractor shall comply with the environmental provisions of local air pollution authorities.

The Contractor/Developer shall designate a project coordinator for contact during construction regarding alleged air quality violations and other complaints.

1-07.13 Contractor's Responsibility for Work

1-07.13(1) General

Supplement this section with the following:

The Contractor is responsible for constructing and completing all work included in the approved Construction Documents and any other work directed by the Developer in a professional manner with first-class workmanship.

The Contractor shall keep the City of Cle Elum, the Developer, and the Consultant informed in writing of the address to which official correspondence is to be directed, the address and phone number of the person in charge of his field personnel, and the address



and telephone number of the Contractor's representative who will be responsible and available outside of normal working hours for emergency repairs and the maintenance of traffic control and safety devices.

The Developer shall be responsible for the satisfactory operation and condition of all public improvements for a period of one (1) year following final inspection and City acceptance in accordance with the Cle Elum Municipal Code.

1-07.17 Utilities and Similar Facilities

Supplement this section with the following:

It shall be the Contractor's responsibility to investigate and verify the presence and location of all utilities prior to construction.

The Contractor/Developer shall call for field location, dial 811, 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. If no one-number locator service is available, notice shall be provided individually by the Contractor to those owners known to or suspected of having underground facilities within the area of proposed excavation.

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

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

In addition to the requirements of RCW 19.122, the Contractor shall use surface features and other evidence in determining the approximate utility location prior to excavation. The Contractor shall hand dig to expose known utilities.

Where the location of the work is in proximity to overhead wires and power lines, the Contractor shall coordinate all work with the utility and shall provide for such measures as may be necessary for the protection of workmen.

Only City personnel shall operate water system valves.

1-07.18 Public Liability and Property Damage Insurance

Supplement this section with the following:

The Contractor shall obtain and maintain in full force and effect during the duration of this Contract public liability and property damage insurance in accordance with this section and as modified herein.



Prior to start of construction, the Contractor/Developer shall furnish the City of Cle Elum a Certificate of Insurance and the additional insured endorsements as evidence of compliance with these requirements. This certificate shall name the City of Cle Elum, its employees, agents, elected and appointed officials, engineering consultant, and all subcontractors as “additional insureds” and shall stipulate that the policies named thereon cannot be canceled unless at least forty-five (45) days written notice has been given to the City of Cle Elum. The certificate shall not contain the following or similar wording regarding cancellation notification: “Failure to mail such notice shall impose no obligation or liability of any kind upon the company, its agents, or representatives.”

1-07.23 Public Convenience and Safety

Supplement this section with the following:

All signs, barricades, traffic control devices, and labor for traffic control required by construction activities for the control of traffic shall be supplied, placed, and maintained by the Contractor. This shall apply to detours and traffic control both within and outside the limits of the project.

All work shall be done under a plan which shall have the approval of the City of Cle Elum and create a minimum of interruption or inconvenience to pedestrian and vehicular traffic. All arrangements to care for such traffic will be the Contractor's responsibility and shall be made at his expense. All work shall be carried out with due regard for public safety. Open trenches shall be provided with proper barricades and at night they shall be distinctly indicated by adequately placed lights. At entrances to business properties and other private roads, driveways, bridges, or other such means as to provide access shall be provided by the Contractor. The Contractor shall maintain vehicular and pedestrian access to businesses at all times that businesses are open for business.

Upon failure of the Contractor to immediately provide and maintain adequate suitable barricades, lights and detour signs, when ordered to do so, the City shall be at liberty, without further notice to the Contractor or the Surety, to provide the same and request payment for providing proper barricades, lights, and signs, and the City assumes no liability connected therewith.

Any traffic restriction must have prior approval of the City of Cle Elum. Appropriate traffic control measures and signing are required during such temporary road closures.

It shall be the responsibility of the Contractor to secure the City's approval for any desired road closure and associated traffic control plan including detours. Following approval, the Contractor shall notify the Developer, City of Cle Elum, and the Police and Fire Departments at least 24 hours prior to closing any street. When the street is reopened, it shall again be the responsibility of the Contractor to notify the above named departments and persons.



1-07.29 Notifying Property Owners (New Section)

The following new section shall be added to the Standard Specifications:

When construction activities will affect ingress and egress to a property along the project alignment, the Contractor shall be responsible for notifying the occupant/occupants of the property 72 hours prior to the construction activity beginning. If personal contact with the occupant is not possible, the Contractor shall leave written notification. A copy of all notifications shall be provided to the City.

1-07.30 Safety Standards (New Section)

The following new section shall be added to the Standard Specifications:

All work shall be performed in accordance with all applicable local, state, and federal health and safety codes, standards, regulations, and/or accepted industry standards. It shall be the responsibility of the Contractor to ensure that his workforce and the public are adequately protected against any hazards.

The City of Cle Elum or Developer shall have the authority at all times to issue a stop work order at no penalty if, in their opinion, working conditions present an undue hazard to the public, property, or the work force. Such authority shall not, however, relieve the Contractor of responsibility for the maintenance of safe working conditions or assess any responsibility to the City or Developer for the identification of any or all unsafe conditions.

1-08 Prosecution and Progress

1-08.3 Progress Schedule

Supplement this section with the following:

Prior to the commencement of any work, a preconstruction conference shall be held. The Contractor or Developer shall contact the City of Cle Elum and set a date and time for the meeting. It shall be the responsibility of the Contractor/Developer to notify and invite all parties having an interest in the project to the meeting, including the major subcontractors, Fire Department, and private utilities.

At this conference, all points of the approved Plans will be open to discussion including scope, order and coordination of work, equipment, lead time required, means and methods of construction, inspection and reporting procedures, etc. The Contractor should satisfy himself that all provisions and intentions of the work are fully understood.

The Contractor shall prepare and submit to the City and Developer at the Preconstruction Conference a Construction Progress and Completion Schedule using a bar graph format. Items in the Schedule shall be arranged in the order and sequence in which they will be performed. The schedule shall be drawn to a time scale, shown along the base of the diagram, using an appropriate measurement per day with weekends and



holidays indicated. The Construction Progress Schedule shall be continuously updated and, if necessary, redrawn upon the first working day of each month or upon issuance of any Change Order which substantially affects the scheduling. Copies of newly updated Schedules shall be forwarded to the City, as directed, immediately upon preparation.

Any proposed road or sidewalk closures including duration of closure must be approved by the City prior to consideration. If approved, closures shall not extend beyond permitted duration.

At the discretion of the City, a weekly meeting between representatives of the City (inspector and/or engineer) and contractor (foreman, supervisor, and/or project manager) shall be held at the project site or at City Hall at a predetermined time. The Contractor shall present an update on project status, project schedule, and any problems that have arisen.

1-08.3(2) General Requirements

The following new section shall be added to the Standard Specifications:

The Contractor is responsible for constructing and completing all work included in the Contract Documents and any other work directed by the Developer in a professional manner with first-class workmanship.

The Contractor shall keep the City of Cle Elum, the Developer, and the Consultant informed in writing of the address to which official correspondence is to be directed, the address and phone number of the person in charge of his field personnel, and the address and telephone number of the Contractor's representative who will be responsible and available outside of normal working hours for emergency repairs and the maintenance of traffic control and safety devices.

Seasonal weather conditions shall be considered in the planning and scheduling of work influenced by high or low ambient temperature or precipitation to ensure the completion of the work within the Contract Time. No time extension will be granted forth Contractor's failure to take in to account such weather conditions for the location of the work and for the period of time in which the work is to be accomplished.

1-10 Temporary Traffic Control

Supplement this section with the following:

The provisions of the latest edition of the *Manual on Uniform Traffic Control Devices* (MUTCD) for Streets and Highways and amendments thereto published by the U.S. Department of Transportation, Federal Highway Administration, and WSDOT by this reference are made a part of these Documents.



1-10.2(2) Traffic Control Plans

Delete the entire section and replace with the following:

The Contractor shall prepare a signing plan showing the necessary Class A and B construction signing, barricades, and traffic control devices required for the project and submit it to the City, no later than the preconstruction conference date, unless a road closure is proposed which requires City Council approval. When the Class B signing for a particular area will be provided as detailed on one or more of the figures included in the MUTCD without modification, the Contractor may reference the applicable MUTCD figure at the appropriate location on the Plan. When this procedure is used, variable distances such as minimum length of taper must be specified by the Contractor.

The signing plan prepared by the Contractor shall provide for adequate warning within the limits of the project and on all streets, alleys, and driveways entering the project so that approaching traffic may turn left or right onto existing undisturbed streets before reaching the project. The Plan shall be prepared to create a minimum of inconvenience for pedestrian and vehicle traffic.

All modifications to the accepted signing plans shall be reviewed by the City.

1-10.3(3)A Construction Signs

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

All signs, barricades, flashers, cones, traffic safety drums, barricades, and other traffic control devices required by the approved traffic control plan(s), as well as any other appropriate signs prescribed by the City or County, shall be furnished and maintained by the Contractor.

Open trenches shall be provided with proper barricades and at night they shall be distinctly indicated by adequately spaced lights.

7-08 General Pipe Installation Requirements

7-08.1 General

Add the following:

All construction work shall be inspected by the City of Cle Elum prior to backfilling. At least 48 hours' notice shall be given to the City Public Works Department prior to backfilling.



7-08.3 Construction Requirements

7-08.3(1)A Trenches

Supplement this section with the following:

Existing pavement shall be neatly saw-cut on both sides of the trench parallel consistent with the dimensions presented on the Trench Surfacing Repair standard detail, including additional saw-cutting prior to surface repair.

7-08.3(1)C Bedding the Pipe

Add the following:

Gravel Backfill for Pipe Zone (including Bedding): Pipe zone material shall be Crushed Surfacing Top Course meeting the requirements of section 9-03.9(3), and shall be placed and compacted in layers as designated by the City.

7-08.3(2)B Pipe Laying – General

Supplement this section with the following:

Potable domestic water mains shall maintain a 10-foot horizontal and 18-inch vertical separation above non-potable pipelines (sewer and storm) consistent with the Department of Health Water System Design Manual.

When parallel to existing utilities, new domestic water mains shall be installed a minimum of 10 feet horizontally (outside pipe wall to outside pipe wall, typical) and 18 inches vertically above other non-potable pipelines. Where this is not possible at the discretion of the Engineer, a water main may be installed a minimum of five feet horizontally and 18 inches vertically above other non-potable pipelines, as long as the water main is placed in a separate trench and on a bench of undisturbed earth.

When crossing existing utilities, new domestic water mains shall be installed a minimum of 18 inches vertically above non-potable pipelines. Where this is not possible, or the water main passes under a non-potable pipeline, the water main shall be installed in a pressure rated pipe casing extending 10 feet each side of the crossing. In addition, where the water main passes under an existing non-potable pipeline, support shall be provided for the non-potable pipeline by backfilling the non-potable pipeline trench with controlled density backfill or other approved methods. A minimum of 6 inches of separation between the crossing pipelines must be maintained in all cases.

When parallel to existing potable water mains, new non-potable pipelines shall be installed a minimum of 10 feet horizontally and 18 inches vertically below existing water mains. Where this is not possible at the discretion of the Engineer, a non-potable pipeline may be installed a minimum of five feet horizontally from an existing water main, as long as the non-potable pipeline is installed a minimum of 18 inches vertically below the water main and the non-potable pipeline is placed in a separate trench. If the vertical separation



cannot be met, then the non-potable pipeline shall be constructed of or encased in materials equal to water main standards with a minimum pressure rating of 165psi (C900 PVC DR 25, ductile iron, etc.).

When crossing existing potable water mains, new non-potable pipelines shall be installed a minimum of 18 inches vertically below existing water mains. Due to difficulties in compacting under existing utilities, controlled density backfill or other City-approved materials shall be placed as backfill at the crossing locations, to a depth of the water main spring line. Where the minimum clearance is not possible, or the non-potable pipeline passes above a water main, a full length of non-potable pipeline shall be centered at the crossing. In addition, the non-potable pipeline shall either be installed in a pressure rated pipe casing extending 10 feet each side of the crossing, or be constructed of one standard length of pipe material equal to waterline standards with a minimum pressure rating of 165psi (C900 PVC DR 25, ductile iron, etc.). A minimum of 6 inches of separation between the crossing pipelines must be maintained in all cases.

Magnetic detectable marking tape shall be installed above all pipes including service lines. The tape shall be placed approximately two feet above the top of the pipe and shall extend its full length. The horizontal location of the tape shall vary no more than one foot from the centerline alignment of the pipe. Detectable marking tape shall meet the requirements of Section 9-15.18 of the Standard Specifications. Tape width shall be a minimum of 3 inches wide, or wider as recommended by the manufacturer for the installation depth. Care must be taken to ensure that the marking tape shall be continuous and unbroken during the backfill process.

Tracer wire shall be installed on all water mains and appurtenances, water services, side sewers, and sanitary sewer force mains.

7-08.3(3) Backfilling

Supplement this section with the following:

Street crossing trenches on existing streets and other locations, where directed, shall be backfilled for the full depth of the trench with Imported Select Backfill conforming to Section 9-03.9(3) Crushed Surfacing Base Course. The Public Works Director may require the use of Controlled Density Fill (CDF) for trench backfill in certain circumstances. The requirements for CDF are set forth in Section 8-30 of these Special Provisions.

Mechanical compaction shall be required for all trenches. The density of the compacted materials shall be at least 95% of the maximum density as determined by ASTM D 698 Test (Standard Proctor). The Contractor shall be responsible for scheduling, conducting, and paying for all testing required.



7-08.3(5) Marker Posts (New Section)

The following new section shall be added to the Standard Specifications:

Stub-outs for future connections at property lines, including utility mains, services, conduit, etc., shall be marked with an 8' treated 2x4 inside of an 8' steel stud, painted the color consistent with those tape colors identified in Section 9-15.18 of the Standard Specifications, extending 24"-36" above finished ground surface.

8-01 Erosion Control and Water Pollution Control

8-01.3(1) Construction Requirements

Supplement this section with the following:

Exposed and unworked soils shall be temporarily or permanently stabilized as soon as practicable, unless otherwise approved by the City of Cle Elum. Contractor shall follow the requirements in the most current publication of the Stormwater Management Manual for Eastern Washington.



Chapter 4 - Water System Improvements

General Requirements for Water Mains

All extensions and additions to the City of Cle Elum's domestic water system shall conform to the Design and Construction Standards of the City of Cle Elum and the Washington State Department of Health (DOH) Water System Design Manual, American Water Works Association, and designed by a Civil Engineer currently licensed by the State of Washington.

All new lots and developments shall be served by a public domestic water supply line to be owned and maintained by the City of Cle Elum and located adjacent to the lot or development site. The water supply line shall be capable of providing sufficient flow and pressure to satisfy the fire flow and domestic service requirements of the proposed lots and development requirements. If determined necessary by the City Engineer, hydraulic analysis including modeling shall be performed by the City or its agents, and all costs shall be borne by the Developer.

Water lines shall be extended by the Developer to the point where the adjoining property owner's responsibility for further extension begins. This typically requires an extension across the entire frontage of the property to the property line of the adjoining owner. In some cases, it will require dedication of an easement and a line extension across the property or extension across two or more sides of the developing property. Extensions will be consistent with and implement the City's adopted Water System Plan including alignments and sizes, necessary to serve future areas within the Urban Growth Area (UGA) boundary.

All new public domestic water mains shall be a minimum diameter of 8-inches, or larger diameters as specified in the City's Water System Plan, or larger as required to meet the fire flow demand of the development. Fire hydrants located within 50 feet of the water main shall be a minimum diameter of 6 inches. Hydrants beyond 50 feet of the water main shall be a minimum diameter of 8 inches, or larger as necessary to achieve required fire flows. Cover over new water mains shall be a minimum depth of 54 inches and a maximum of 72 inches.

New water mains shall be located in existing or proposed streets within City right-of-way and shall be offset from the street centerline, not located within a vehicle wheel path.

All domestic water mains shall be looped, where possible. Temporary dead-end mains over 500 feet in length will only be allowed where future water main looping via public right of way will be assured. No permanent dead-end water mains over 300 feet in length will be allowed to be part of the City of Cle Elum's public water system.

Permanent dead-end water mains may become private water mains owned and maintained by the Developer. All dead-end water mains shall be isolated from the public water main with a double check valve assembly and vault furnished and installed by the Developer to City of Cle Elum standards for cross-connection control.

All services must extend from a water main owned and operated by the City.



Maximum valve spacing in public water mains will be 750 linear feet. Valves will be furnished and installed on all legs of new water main intersections. Valve operating nut extensions approved by the City will be required on valves where the operating nut is deeper than 36 inches below finished grade.

All new water main installations shall be satisfactorily tested per Section 7-09 prior to being placed into service including hydrostatic pressure and bacteriological testing, all at the expense of the Developer.

All new water service lines shall be a minimum 1-inch, for 3/4- and 1-inch meters, and shall be a minimum of 2-inch, for 1 1/2- and 2-inch meters. All 1-inch and smaller meters shall be furnished and installed by the City of Cle Elum and paid for by the Developer. All meters larger than 1-inch shall be furnished and installed by the Developer, but must be pre-approved for operation with the City's automatic meter reading system, prior to installation. The Developer/Contractor shall furnish and install all water service components (except 3/4" or 1" water meter) from the water main to the property line including service saddle, corporation stop, service tap, service pipe, and meter pit setter, all at the Developer's expense. Only one meter shall be served from each main tap. All service hot taps shall be made under the supervision of the Public Works Director or his designee, and the coupon shall be delivered to the Public Works Director for all taps.

All live taps of water mains shall be performed by a contractor approved by the Public Works Director (or City's representative with Public Works Director's approval) using a full circle stainless steel tapping sleeve with gate valve and paid for by the Developer.

Minimum 2-inch air and vacuum release valves shall be furnished and installed at high points in the water system.

Maximum spacing of fire hydrants shall be 300 feet. Additional hydrants may be required to protect structures as determined by the Fire Chief and Public Works Director. Additional fire hydrants required on a site may require a looped, on-site water main. Easements shall be provided for all on-site, public, looped water mains, in accordance with Chapter 1 - Introduction and General Considerations, Section 11. Fire hydrants shall be located at the ends of curb returns or at property lines between lots, and not be located within driveways, driveway ramps, or curb ramps.

Water mains shall maintain a 10-foot horizontal and 18-inch vertical separation above non-potable pipelines (sanitary sewers, reclaimed water, irrigation pipelines, stormwater pipes, and other uses) in accordance with Section 6.3.4 of the *Water System Design Manual, October 2019*, by the Washington State Department of Health. Additionally, water and sewer mains shall be separated in accordance with Section C1-9.1 of the *Criteria for Sewage Works Design, August 2008*, by the Washington State Department of Ecology. Gas, power, telephone, and other dry utilities shall maintain a minimum 3-foot horizontal clearance from water mains.

The design of water mains and appurtenances is subject to review and approval consideration by the Public Works Director and City Engineer. The Public Works Director may, at his discretion, adjust these Design and Construction Standards as necessary to facilitate installation of water lines and appurtenances for the health, safety, and protection of the general public.



All double detector check valve assemblies shall conform to City of Cle Elum standards. Initial and annual testing will be required.

Special Provisions For Water Systems

The following sections of the WSDOT Standard Specifications have been amended or supplemented as described below and apply to the construction of public works water system improvements within the City of Cle Elum.

7-09 Water Mains

7-09.2 Materials

Pipe for main line approved for use shall be as follows:

Pipe for Main Line:

Ductile Iron Pipe
Polyvinyl Chloride (PVC) Pressure Pipe

Supplement this section with the following:

Ductile Iron Pipe: Ductile iron pipe shall conform to the requirements of Section 9-30.1(1) of the Standard Specifications. Joints shall be rubber gasket, push-on type (Tyton Joint). Fittings shall be mechanical joint or flanged, as shown on the Plans, and shall conform to Section 9-30.2(1) of the Standard Specifications.

Polyvinyl Chloride (PVC) Pressure Pipe: PVC pipe shall conform to the requirements of Section 9-30.1(5)A. Fittings shall be the same as specified for Ductile Iron pipe.

Detectable Marker Tape: Marker tape shall be a detectable type and shall be marked "WATER," and shall conform to Section 9-15.18 of the Standard Specifications.

Tracer Wire: Tracer wire shall be 12-gauge heavy insulated (60 mil) copper wire with UF insulation colored for the utility being installed in accordance with Section 9-15.18.

Fittings for Main Lines:

Connection Couplings: Couplings for Ductile Iron or PVC pipe, either transition or straight couplings, shall be compression type flexible couplings conforming to Section 9-30.2(7) of the Standard Specifications.

Aggregates:

See Section 7-08.3 of these Specifications.



7-09.3 Construction Requirements

7-09.3(5) Grade and Alignment

Replace the first sentence of the third paragraph with the following:

The depth of trenching for water mains shall be such to provide a minimum cover of 4.5 feet and a maximum cover of 6 feet, unless otherwise approved by the Public Works Director.

7-09.3(7) Trench Excavation

Supplement this section with the following:

The Contractor shall neatly sawcut all areas of existing pavement within the trench excavation area, then remove and haul all waste materials from the project and dispose of at an approved site provided by the Contractor. Should any undermining occur on adjacent pavement, the Contractor shall neatly cut the pavement six (6) inches beyond the undermined area.

All trench excavations shall have adequate safety systems for the trench excavation that meet the requirements of the Washington Industrial Safety and Health Act, Chapter 49.17 RCW. The Contractor shall be fully responsible for providing the necessary back sloping, cribbing, trench boxes, etc., as required to meet the specified safety requirements for the trench.

7-09.3(9) Bedding the Pipe

Supplement this section with the following:

All construction work shall be inspected by the City or its representative before backfilling.

7-09.3(11) Compaction of Backfill

Delete the first paragraph and supplement this section with the following:

Mechanical compaction shall be required for all trenches. The Developer/Contractor shall be responsible for scheduling and paying for all testing required.

The density of the compacted material shall be at least 95% of the maximum density as determined by ASTM D 698 Tests (Standard Proctor). Density tests shall be taken at various depths in the trench. All costs associated with testing shall be the responsibility of the Contractor. Placement of courses of aggregate shall not proceed until density requirements have been met.

The first 500 feet of trench backfill operations shall be considered a test section for the Contractor to demonstrate his backfilling and compaction techniques. The Contractor



shall notify the City at least 3 working days prior to beginning trench excavation and backfill operations. The Contractor shall arrange for in-place density tests to be taken on the completed test section in accordance with the above requirements. No further trenching will be allowed until the specified density is achieved in the test section. Passing in-place density tests in the test section will not relieve the Contractor from achieving the specified densities throughout the project.

7-09.3(12)A Locating Wire (New Section)

The following new section shall be added to the Standard Specifications:

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. All splices shall be tied, electrically continuous, and made waterproof. Access to terminal ends of the locating wire shall be made at locating wire boxes, per the details shown on the Drawings. The result of this installation shall be a continuous wire circuit electrically isolated from ground. 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. 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.

7-09.3(19)A Connections to Existing Mains

Supplement this section with the following:

New water mains shall be tested, flushed, and disinfected per Section 7-09.3(23) and 7-09.3(24) with passing results, prior to making connection to existing main and being placed into operation.

No existing line valves shall be closed without permission by the Public Works Director. In no case shall any existing water main valve be closed for a period of greater than eight (8) hours. Only City personnel or those authorized by the City may operate City valves.

The anticipated schedule for the connections shall be discussed and scheduled at the preconstruction conference, and indicated on the weekly schedule. The City reserves the right to adjust the schedule of the connections, as required, subject to a minimum of 24-hour notice of schedule change to the Contractor.

7-09.3(21) Concrete Thrust Blocking



Supplement this section with the following:

Thrust blocks shall be formed and placed in conformance with the Standard Details for the appropriate pipe size and fitting type.

Mechanically restrained pipe and fittings may be used in lieu of thrust blocking. The Engineer shall provide appropriate restraint calculations, indicating the length of pipe and fittings to be restrained for each particular diameter and type of fitting to be installed. Thrust restraint calculators such as those provided by Ductile Iron Pipe Research Association, EBAA Iron, or similar may be used to determine required restraint lengths.

7-09.3(22) Blow-off Assemblies

Supplement this section with the following:

All permanent dead-end lines must end with a blow-off, unless there is a hydrant connection within the last 30 feet of the water main.

7-09.3(23) Hydrostatic Pressure Test

Replace the first sentence with the following:

Prior to any hydrostatic pressure testing, the Developer/Contractor shall verify requirements with the Public Works Director. All water mains and appurtenances shall be tested under a hydrostatic pressure of 180 psi.

7-09.3(24) Disinfection of Water Mains

Supplement this section with the following:

AWWA Standard C651 shall be used as a guideline for disinfecting water mains.

7-12 Valves For Water Mains

7-12.2 Materials

Supplement this section with the following:

Gate Valves: All valves sizes 2-inch through 8-inch shall be gate valves manufactured in the U.S. and shall conform to the latest revision of AWWA Resilient Seated Gate Valves Standard C515 or AWWA C509.

All gate valves shall have non-rising stems, open counterclockwise, and shall be provided with a 2-inch square AWWA operating nut. Gate valves 4-inch and larger shall have mechanical joint connections. Stuffing box shall be O-ring type. Valves smaller than 4-inch shall have screw-type end connections and be non-rising stem, screwed bonnet, solid wedge disc type having a minimum working pressure of 200 psi.



Butterfly Valves: All valves sizes 10 inches and larger shall be butterfly valves manufactured in the U.S. and suitable for direct burial and shall be rubber seated and conform to the latest revision of AWWA Standard C504 Class 150B. Valve operators shall be sealed, gasketed, and lubricated for underground service. All valves shall open counterclockwise and shall be provided with a 2-inch square AWWA operating nut.

Valves shall have mechanical joint connections and shall be of the same size as the line on which they are located. Valve shafts shall be a one-piece unit extending full size through the valve disc and valve bearings, with minimum shaft diameter as specified in AWWA C504 Class 150B.

Tapping Sleeve and Valve Assemblies: Tapping sleeves shall be full circle, Romac Stainless Steel Tapping Sleeve (SST) with ductile iron flanged outlet, or approved equal, conforming to the latest AWWA Standard C223. Tapping gate valves shall meet the requirements for Gate Valves in Section 7-12.2.

Valve Boxes: Valve boxes shall be two-piece adjustable. The top section shall be Olympic Foundry Model 940-B, or equal, 18-inches high. The bottom section shall be Olympic Foundry Model R-36, or equal, 36-inches high. Extension sections shall be Olympic Foundry Model 044, or equal, 12-inches high.

Combination Air Release/Air Vacuum Valves: Valves shall meet the requirements of C512 and shall be APCO 140 Series or Val-Matic VM-200 Series.

7-12.3 Construction Requirements

Supplement this section with the following:

Tapping Sleeve and Valve Assemblies: The Contractor or Subcontractor completing the work shall have at least five (5) years' experience with a minimum of ten (10) water main taps of pipes with diameters equal to or larger than specified in this project. Contractor shall notify City at least 72 hours prior to all proposed taps and provide work experience references if requested. Work to complete the tap shall not commence without City's written approval. If the Contractor or Subcontractor does not have sufficient experience in the sole opinion of the City, a qualified Subcontractor as approved by the City, shall be used to complete the tap at no additional cost.

Valves: Upon completion of all work in connection with this Contract, the Developer/Contractor shall contact the City of Cle Elum Public Works for opening water valves. Valves shall only be operated by City Public Works staff.

Valve Boxes: Valve boxes should be set to position during backfilling operations so they will be in a vertically centered alignment to the valve operating stem. The top of the box will be at final grade.

The Contractor shall adjust all water valve boxes to the final grade of the surrounding area including new concrete sidewalk, asphalt paving, gravel surfacing, or topsoil



surfacing, in accordance with the details shown on the Drawings. Valve box cover shall be rotated such that lugs are in-line with pipe alignment.

The Contractor shall keep the valve boxes free from debris caused by the construction activities. All valve boxes will be inspected during final walk-thru to verify that the valve box is plumb and that the valve wrench can be placed on the operating nut. Misaligned valve boxes shall be excavated, plumbed, and backfilled at the Contractor's expense.

7-14 Hydrants

7-14.2 Materials

Replace the entire Section with the following:

The City of Cle Elum accepts hydrants of the following manufacturer, providing the hydrants conform to the City's technical specifications for fire hydrants:

Mueller Super Centurion 250
M&H 129S
Clow Medallion

All hydrants shall have a Main Valve Opening (MVO) of 5-1/4" and one port with a 5" Storz Quick Coupling and two (2) 2-1/2" diameter ports. Threads on all ports shall be National Standard Thread. Fire hydrant installations shall also include a 72-inch tall, red reflective, flat bracket RoDon Corp. International Hydra Finder Fire Hydrant Marker with spring model number PP6802 installed on the fire hydrant as shown in the plans and as per the manufacturer's recommendations.

Fire hydrants shall be painted with two coats of high visibility yellow paint.

7-14.3(1) Setting Hydrants

Delete the first and second paragraphs and replace with the following:

The hydrant shoe shall be set to the correct elevation on a concrete block base 12" x 12" x 6" thick, which has been placed on undisturbed earth. Around the base of the hydrant and weep hole, the Contractor shall place 0.5 cubic yards of washed drain rock ranging in size from 3/4" to 1-1/2", to allow free drainage of the hydrant. The drain rock shall be completely surrounded with construction geotextile filter fabric.

The contractor shall set all hydrants plumb and nozzles parallel with, or at right angles to, the curb, with the pumper nozzle facing the curb. Hydrants shall be set so that the flange is 2"-8" above the back of curb, sidewalk, or finished grade to clear nuts and bolts. Hydrants shall be ordered with the bury depth required to meet the flange elevation requirements. The Contractor shall be responsible for verifying the hydrant flange elevations and no extensions will be allowed.



7-14.3(2) Hydrant Connections

Replace this section with the following:

Each hydrant lateral shall include an isolation valve at the water main connection point. The valve size shall equal the hydrant lateral diameter and shall be of the type specified in Section 7-12.2. Where hydrant runs are in excess of 6 inches in diameter, an additional 6-inch auxiliary gate valve shall be installed just prior to the hydrant installation.

7-14.3(2)A Hydrant Restraints

Replace this section with the following:

All hydrants shall be securely connected to the water main as shown on the City's Standard Detail.

7-14.3(2)C Hydrant Guard Posts

Replace this section with the following:

The Public Works Director may determine that four (4) 6-inch diameter Sch. 40 steel guard posts shall be installed at a hydrant location. Hydrant guard posts shall be painted the same color as the hydrants.

7-15 Service Connections

7-15.1 Description

Replace this section with the following:

This work consists of the relocation of existing water meters and water meter boxes, where necessary, and the installation of new saddles, corporation stops, service pipe, and water meter pit setters as shown on the Plans. The Developer/Contractor shall furnish and install all water service components (except 3/4" or 1" water meter) from the water main to the property line including service saddle, corporation stop, service tap, service pipe, and water meter pit setter, all at the Developer's expense.

7-15.2 Materials

Supplement this section with the following:

Service Saddle: New service saddles shall be Romac Style 202NS.

Corp Stop: Corporation stops shall be Ford type 1100, or approved equal.

Service Pipe: New service pipe shall be CTS Cross-linked Polyethylene (PEX-a) tubing meeting the requirements of Section 9-30.6(3)C.



Meter: 3/4" and 1" meters will be furnished by the City of Cle Elum (Sensus "Touch Read") at the Developer's expense.

Meter Pit Setters (1" and Smaller): Mueller 36" tall Thermal-Coil Single Meter Box (Model No. XXX CS 1X 36 LBBSN) with ductile iron cover solid lid and insulating pad, FORD Meter Company 36" tall Coil Pitsetter (Model No. PFCBH-X88-1X-36-NL) with ductile iron cover solid lid and insulating pad; or approved alternative.

Meter Pit Setters (1-1/2" to 2"): Mueller 36" tall EZ-Vault (Model No. 5X0 VS 2X 36 LBBSN) with ductile iron cover solid lid and insulating pad, FORD Meter Company 36" tall Plastic Pit Setter meter box (Model No. PSBH-#88-36HB-36-NL) with ductile iron cover solid lid and insulating pad; or approved alternative.

Meter Vault (3" to 8" meters, as applicable): New precast cement concrete vault shall be Oldcastle Precast or H2 Precast meeting inside dimension tolerances specified on Details and shall have diamond plate spring assisted cover with locking latch inside (332P for 3", 2-322P for 4" to 6", and 3-322P for 8" to 12", or H2 Precast equivalent). Contractor/Developer shall provide to the City any factory tools, keys, or wrenches required to open vault lid.

Pipe Bedding and Backfill: Pipe bedding and select backfill shall be utilized for trench backfill as directed by the City in accordance with Section 7-08.2 of the Special Provisions.

Backflow Preventer (Double Check Valve): New backflow preventer shall be Zurn 950XL, Zurn 975XL, Watts 007 or approved equal, and shall be provided and installed by the Contractor/Developer for all irrigation system connections to domestic water mains.

7-15.3 Construction Requirements

Section 7-15.3 of the Standard Specifications shall be modified as follows:

Where directed by the Engineer, i.e., existing street crossing, trenches shall be backfilled for the full depth of the trench with imported select backfill.

The City will inspect service installation work. The City inspector will inspect the water service pipe after the pipe has been laid in the trench, but prior to backfill. A leak test will be required to be run in the presence of the inspector. Provide 48 hours minimum notice prior to any required inspections.

Water and sewer service lines may not be laid in the same trench except as provided in Section 1008 of the Uniform Plumbing Code (UPC) and with written approval of the City of Cle Elum Building Inspector.

Water services shall be laid with a minimum of 48 inches of cover, or as directed by the Public Works Director.



Supplement this section with the following:

The Contractor shall set the water meter box to the finished grade of the area, typically flush with the top back of sidewalk. The Contractor will be required to reset the meter box if it is not at finished grade at the completion of the project. The completed water service shall be tested at system operating pressure by the Contractor and must show no signs of leakage.

No joints are allowed between the corporation stop and the meter stop.



Chapter 5 - Sanitary Sewer System Improvements

General Requirements for Sanitary Sewer System Improvements

All extensions and additions to the City's sanitary sewer system shall conform to the Design and Construction Standards of the City of Cle Elum, the Washington State Department of Ecology, and designed by a Civil Engineer currently licensed in the State of Washington.

All sanitary sewer improvements shall be designed in accordance with the Washington state Department of Ecology's Criteria for Sewage Works Design (Orange Book).

All new lots and developments shall be served by a public sanitary sewer line adjacent to the lot or development site.

Sewer lines shall be extended by the Developer to the point where the adjoining property owner's responsibility for further extension begins. This typically requires an extension across the entire frontage of the property to the property line of the adjoining owner. In some cases, it will require dedication of an easement and a line extension across the property or extension across two or more sides of the developing property. Extensions will be consistent with and implement the City's adopted General Sewer Plan, including alignments, sizes, and depths necessary to serve future areas within the Urban Growth Area (UGA) boundary.

Sewer lines shall be located in streets to serve abutting properties. Lines located in streets will be offset from the street centerline and not located within a vehicle wheel path. When necessary, sewer lines may be located within public easements, see Chapter 1 - Introduction and General Considerations, Section 11. Sewer lines located in easements shall typically be located in the center of the easement, but may, with the approval of the Public Works Director, be offset to accommodate the installation of other utilities or to satisfy special circumstances.

The minimum size for public sewer mains is eight (8) inches in diameter. The Developer's sewer system must provide capacity for the proposed development, but must also provide capacity for future extensions consistent with the General Sewer Plan.

Sewer lines shall be terminated with a manhole. In special circumstances, a flush-end (cleanout) may be installed on the end of a sewer main extension, provided the end is no further than 150 feet from the last manhole and the sewer main line and grade will permit further extension.

Manholes shall generally be installed at intervals of no greater than 400 feet and at all vertical and horizontal angle points in the sewer main. Curved or deflected pipelines will not be permitted.

All new sewer line installations shall be satisfactorily tested and inspected per Section 7-17 prior to being placed into service including low pressure air and deflection testing, and television inspection, all at the expense of the Developer.



Each building containing sanitary sewer facilities shall be served by a separate private side sewer line. Branched side sewers serving multiple buildings and properties shall not be permitted. A single side sewer serving multi-unit buildings is permitted.

Sewer services to residential single-family lots shall be 4-inch diameter, and commercial properties shall be a minimum of 6-inch diameter.

Side sewers shall be installed in accordance with these Construction Standards and as shown on the City Standard Details. Water service and side sewer lines shall not be laid in the same trench, except if approved materials (those listed in Section 7-17.2 of the Standard Specifications for Road, Bridge, and Municipal Construction) are used and the following requirements are met:

1. The bottom of the water pipe shall not be less than 12 inches above the top of the sewer or drain line.
2. The water pipe shall be placed on a solid shelf excavated at one side of the common trench with a clear horizontal distance of not less than 12 inches from the sewer or drain line.

Side sewer stubs shall extend beyond the right-of-way as shown on the standard detail and the pipe end shall be capped and marked for future connection. Services shall be located a minimum of 10-feet from water services and on the low side of the lot.

Sewer lines shall be designed for gravity flow operation and in accordance with the General Sewer Plan.

Sewer force mains may be necessary in specific City locations as determined by the City Engineer. Lift stations and force mains shall be limited to those locations and circumstances where they are consistent with the General Sewer Plan and are the only viable solution to serve the proposed development and other properties in the vicinity. Lift stations and force mains shall be designed by a Professional Civil Engineer licensed in the State of Washington in accordance with the direction and requirements given by the City Engineer, for review and approval by the Public Works Director and City Engineer. Hydraulic analysis including modeling shall be performed by the Developer's Civil Engineer as determined necessary by the City Engineer.

Grinder pump stations for individual properties shall contain a semi-positive displacement grinder pump controlled by sump levels. Grinder pumps and sewer laterals will remain private up to the sewer main or force main, where City ownership begins.

The design of sewer lines and appurtenances is subject to review and approval by the Public Works Director and City Engineer. The Public Works Director may, at his discretion, adjust these Design and Construction Standards as necessary to facilitate installation of sewer lines and appurtenances for the health, safety, and protection of the general public.



Special Provisions for Sanitary Sewer System Improvements

The following sections of the WSDOT Standard Specifications have been amended or supplemented as described below and apply to the construction of public works sewer system improvements within the City of Cle Elum.

7-05 Manholes, Inlets, Catch Basins, And Drywells

7-05.2 Materials

Supplement this section with the following:

Manholes shall be gasketed and constructed of minimum 48-inch diameter reinforced precast concrete manholes sections in conformance with the requirements of this Section. The base and first barrel section shall be precast monolithically with preformed channels.

Joints in the manhole sections shall be watertight and shall be a rubber ring compression joint complying with ASTM C443, a flexible, plastic gasket, or approved equal.

Manhole frames and covers shall be cast iron with a combined weight of not less than 400 pounds and have a clear opening of 24 inches. The frames and covers shall be the manufacturer's stock pattern capable of withstanding, with appropriate margin of safety, an H20 loading. Covers shall have a 1-inch hole only, unless otherwise noted, and the top shall be flat with a non-skid pattern. The contact surfaces of the frames and covers shall be machine finished to a common plane or have other adequate provision to prevent rocking.

7-05.3 Construction Requirements

Supplement this section with the following

The design and construction of all manholes shall provide for a minimum 0.10 foot vertical drop through the manhole.

Manhole coupling adaptors may be precast in the manhole to accept PVC pipe, provided diameters match. No field grouting of pipe into manholes will be allowed. Pipe connections at manholes must be gasketed and must be flexible. "A-Lok" gasket system or approved equal may be used as an alternate to the manhole coupling adapter.

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

Delete and replace with the following:

Manholes, valve boxes, catch basins, and similar utility appurtenances and structures shall not be adjusted until the pavement is completed, at which time the center of each structure shall be relocated from references previously established by the Contractor. All existing manhole castings shall be replaced with new castings at time of adjustment.



The asphalt concrete pavement shall be cut and removed to a neat circle, the diameter as specified on the Standard Details. The frame shall be placed on cement concrete blocks or adjustment rings and brought up to the desired grade. The base materials shall be removed and Class 3000 cement concrete shall be placed to the depth specified on the Standard Detail.

On the following day, a tack coat of asphalt shall be applied to the concrete, the edges of the asphalt concrete pavement, and the outer edge of the casting. HMA Cl. 3/8-Inch asphalt concrete shall then be placed and compacted with hand tampers and a patching roller.

The completed patch shall match the existing paved surface for texture, density, and uniformity of grade. The joint between the patch and the existing pavement shall then be sealed with emulsified asphalt and shall be immediately covered with dry paving sand before the tack has broken.

Utility appurtenances outside paved areas shall be adjusted to match the finish grade of the area surrounding the structure. The utility cover shall be cleaned of all concrete prior to acceptance.

7-05.3(2) Abandon Existing Manholes

Replace the entire section with the following:

Where shown on the Plans, existing sanitary sewer manholes shall be abandoned in place after the new sanitary sewer collection system is in place and all side sewers have been transferred to the new sanitary sewer pipeline.

At least the top 3 feet of each manhole, or the top conical section in precast concrete manholes, shall be removed, including the cast iron ring and cover and concrete pad, if any. Debris resulting from breaking of the upper portion of the manhole may be mixed with backfill subject to the approval of the Public Works Director. Ring and cover shall become the property of the City and all other surplus material shall be disposed of by the Contractor.

The existing pipe openings shall be plugged watertight with Class 3000 concrete and the manhole bottom slabs shall be broken to promote drainage. The remaining manhole structure shall be backfilled with granular material conforming to Section 9-03.9(3) Crushed Surfacing Base Course. Place backfill in uniform layers and compact to 95% maximum dry density, as determined by ASTM D 698 (Standard Proctor).

Excavations resulting from manhole abandonment shall be backfilled with suitable, job-excavated material to top of subgrade. Compact to 95% maximum dry density as determined by ASTM D 698 (Standard Proctor). Restore surface to the condition existing prior to excavation with native material, gravel surfacing, or asphalt concrete pavement, as shown for trench repair on the Plans.



7-17 Sanitary Sewers

7-17.1 Description

Supplement this section with the following:

The term “sewer(s)” and “sanitary sewer(s)” shall mean the same.

7-17.2 Materials

Pipe approved for use shall be as follows:

PVC Sanitary Sewer Pipe (Gravity): Polyvinyl Chloride Pipe with flexible gasketed joints shall conform to the requirements of Section 9-05.12(1) of the Standard Specifications (ASTM D3034, DR 35 for pipe sizes up to 15 inches in diameter). When restrained pipe is required (inside casing), Certa-Lok or Ford 1300 mechanical pipe restraints shall be used.

PVC fittings for PVC sewer pipe such as tees, wyes, elbows, plugs, caps, etc., shall be flexible gasket joint fittings acceptable for use and connection to PVC sewer pipe.

Transition Coupling: Couplings shall be longitudinally bolted with gasketed joints. Approved manufacturers include Romac, Dresser, Rockwell, Ford, and Smith-Blair.

Detectable Marker Tape: Marker tape shall be a detectable type and shall be marked “SEWER,” and shall conform to Section 9-15.18 of the Standard Specifications.

7-17.3 Construction Requirements

7-17.3(1) Protection of Existing Sewerage Facilities

Supplement this section with the following:

When connecting to an existing sewer, the downstream system shall be protected from construction debris by placing a 90 degree, SRECO, UEMSI or equal “stove pipe” sand trap, the same size as the sewer main line, in the first existing manhole downstream of the connection. It shall be the Contractor’s responsibility to maintain this trap until the new system is placed in service and then to remove it. Any construction debris, excavation or backfill material which enters the existing downstream system shall be removed. When the first manhole is set, the outlet shall be plugged until the entire system is accepted by the Engineer.

7-17.3(2)A General

Delete the first paragraph and replace it with the following:

All sewer pipes and appurtenances shall be cleaned and tested after backfilling. Both infiltration (if applicable) and exfiltration testing of the gravity sewer pipeline will be required. Deflection testing of the pipeline may be required should video inspection



review identify any irregularities or concerns at the discretion of the Public Works Director. All testing shall be witnessed by the City.

The allowable tolerance for sags or bellies in a newly installed pipe shall be 0.50 inches or less.

7-17.3(2)H Television Inspection

Delete the first paragraph and replace it with the following:

All new sewer lines shall be inspected by the Contractor by use of television (TV) camera before final acceptance.

TV inspection shall begin at the downstream manhole and end at the next upstream manhole. The camera speed shall not exceed one-half (1/2) foot per second. A pivot head camera shall be used with detailed inspection of all laterals showing the entire lateral with a 360-degree pan around the opening. Panning of each lateral shall be a minimum of 15 seconds.

All recordings shall show on the screen the correct time and date of the inspection, the name of the camera operator, the manhole numbers being inspected, an accurate footage count, and all lateral locations using a 12-hour clock position.

The television inspection shall be recorded as a video file on a flash drive, and include logs and a verbal narrative indicating construction deficiencies, side sewer locations and other notable items. Each video file shall be permanently labeled with the Project Title, Contractor/Developer name, date of inspection, location and size of pipe, and video number. A written log shall also be provided for each segment of pipe that correlates to the respective video.

The Contractor shall submit one copy of the television inspection video file, and written logs to the City for review and approval within one week of completing the inspection.

7-18 Side Sewers

7-18.2 Materials

Supplement this section with the following:

Saddles: Side sewer saddles shall be Romac CB with a 3-1/2" stainless steel single strap. Saddles are limited to side sewer connections on existing sewer mains and shall have prior approval by the Public Works Director. CDF encasement shall be installed around tapping saddle and existing sewer main, such that all exposed sections of the sewer main are bedded full depth with CDF to minimize settling.

Tracer Wire: Tracer wire shall be 12-gauge heavy insulated (60 mil) copper wire with UF insulation colored for the utility being installed in accordance with Section 9-15.18.



7-18.3 Construction Requirements

7-18.3(1) General

Supplement this section with the following:

Side sewers shall be constructed with a minimum of 30 inches of cover. This provision may be waived by the Public Works Director under special circumstances; however, under no circumstances shall the side sewer be laid with less than 18 inches of cover.

7-25 Sewer Force Mains (New Section)

The following new section shall be added to the Standard Specifications:

7-25.1 Description

This work shall consist of constructing sewer force mains in accordance with the Plans and Standard Specifications.

7-25.2 Materials

Materials shall meet the requirements of section 7-09 Water Mains of the Standard Specifications except as follows:

Pipe for Main Line:

Polyvinyl Chloride (PVC) Pressure Pipe (4 inches and over): Polyvinyl Chloride (PVC) pipe shall conform to the requirements of Section 9-30.1(5)A of the Standard Specifications. Joints outside of casing shall be rubber gasket push-on type with thickened bell. Joints within casing shall be restrained using mechanical restraints, Field Lok gaskets, or approved equal.

Polyvinyl Chloride (PVC) Pressure Pipe: PVC pipe (over 12-inch diameter) shall conform to the requirements of AWWA C 905 DR 25. Fittings shall be mechanical joint and/or flanged in accordance with the Plans and Section 9-30.2(1) of the Standard Specifications. Joints within casings shall be restrained using mechanical restraints, Field Lok gaskets, or approved equal.

Ductile Iron Pipe: Ductile iron pipe shall be Standard Thickness Class 52. All cast iron fittings and flanged ductile iron fittings shall be Class 250. All ductile iron mechanical joint fittings shall be Class 350 conforming to AWWA C110/ANSI A-21.10 and AWWA C153/ANSI A-21.53. Mortar lining thickness for fittings shall be the same thickness as specified for pipe. Joints within casings shall be restrained using mechanical restraints, Field Lok gaskets, or approved equal.

Polyethylene (PE) Pressure Pipe: PE pipe shall conform to the requirements of Section 9-30.2(10) of the Standard Specifications.

High Density Polyethylene (HDPE) Pipe: HDPE pipe shall be extra high molecular weight, high



density ethylene/hexane copolymer, PE 4710 polyethylene resin, ductile iron pipe (DIP) size, or as approved by Engineer. The Standard Dimension Ratio shall be SDR 13.5 for pipe sizes 12-inch diameter and smaller.

Fittings for Main Lines:

Connection Couplings: Couplings for Ductile Iron or PVC pipe, either transition or straight couplings, shall be compression type flexible couplings conforming to Section 9-30.2(7) of the Standard Specifications.

Aggregates:

Gravel Backfill for Pipe Zone: Imported pipe zone material for flexible pipes shall be Crushed Surfacing Top Course meeting the requirements of section 9-03.9(3), and shall be placed and compacted in layers as designated by the Engineer. Pipe zone material for rigid pipes shall be Crushed Surfacing Top Course or Crushed Surfacing Base Course meeting the requirements of Section 9-03.9(3), or as approved by the Engineer.

Trench Backfill: All longitudinal trenches shall be backfilled full depth above the pipe zone with native material (free of organic material, wood, rocks, or pavement chunks larger than 6-inches in maximum dimension), unless otherwise directed by the Engineer. Existing street crossing trenches and other locations as directed by the Engineer shall be backfilled full depth with imported select backfill. Imported select backfill, where directed by the Engineer, shall be crushed surfacing base course, placed and compacted in layers.

7-25.3 Construction Requirements

7-25.3(2) Pipe Installation

Sewer force main installation shall conform to the requirements of Section 7-08 General Pipe Installation Requirements of the Standard Specifications or as modified by these Special Provisions.

All sewer force mains shall be tested under a hydrostatic pressure of 150 psi for a fifteen (15) minute period. The Developer shall make all provisions for transporting water and filling the force main and shall be responsible for all costs. No leakage will be allowed during the test.

7-25.3(6)B Joining HDPE Pipe

All fused joints shall be watertight and shall have a tensile strength equal to that of the pipe.



Chapter 6 – Stormwater Improvements

General Requirements for Stormwater Improvements

All extensions and improvements to the City of Cle Elum's storm sewer (storm drain) system shall conform to the Design and Construction Standards of the City of Cle Elum and the Washington State Department of Ecology. Private systems, where required by applicable provisions of the Cle Elum Municipal Code, shall also comply with these requirements.

All storm drainage improvements shall be planned, designed, permitted, constructed and maintained in accordance with the requirements of the latest edition of the Washington Department of Ecology (Ecology) *Stormwater Management Manual for Eastern Washington* (SWMMEW).

All storm drainage facilities, public or private, shall be designed by a Civil Engineer currently licensed in the State of Washington. Complete stormwater runoff and drainage facilities sizing calculations shall be submitted to the Public Works Director and City Engineer for review and approval. Storm sewer facilities and pipelines shall be designed to meet a minimum 25-year storm criteria, and both the long-duration and short-duration storms shall be considered in the design.

All storm runoff occurring on all new lots and developments (private property) shall be retained and disposed of on-site. Storm runoff on private property will not be permitted to enter public property or the public storm drainage system. The property owner shall maintain all stormwater Best Management Practices (BMPs) that are installed on private property.

Where existing stormwater from adjacent properties enters the proposed site, the Developer shall be responsible for including the additional stormwater in the proposed system including retention and treatment as applicable.

Storm runoff for new public streets shall be designed and constructed as required to the point where the adjoining property owner's responsibility for further extension begins. This typically requires an extension across the entire frontage of the property to the property line of the adjoining owner.

All storm sewer designs for new public streets shall be based upon an engineering analysis by the Developer's Consultant that considers total drainage areas, runoff rates, pipe and inlet capacities, treatment capacity, and any other factors pertinent to the design.

All subsurface infiltration facilities used for the treatment and disposal of stormwater shall meet the requirements of and be registered with the Ecology Underground Injection Control (UIC) program. Developer/Applicant must register UIC wells with Ecology in the applicant's name. Following construction completion and at the time of public improvements acceptance, the Developer/Applicant shall process an ownership transfer request with Ecology, to transition UIC ownership of public improvements to the City of Cle Elum.

Inlet spacing shall be designed in accordance with the WSDOT Hydraulics Manual, Chapter 5. Generally, inlet spacing shall not exceed 300 feet. There shall be a manhole or Type 2 catch basin



installed at the intersection of two collector storm sewers. A collector storm sewer is a sewer servicing more than one catch basin.

All public stormwater pipes or culverts shall be a minimum of 12 inches in diameter. Pipes shall have a minimum slope of 0.5% and be designed with a minimum velocity of 2-feet per second. Pipes shall be sized so that they do not surcharge under design storm conditions.

The applicant's project may require coverage under the Washington State General NPDES Permit for construction projects. The Developer shall be responsible for compliance with the State stormwater permit conditions and shall provide the City with a copy of the Ecology approved Notice of Intent (NOI), Storm Water Pollution Prevention Plan (SWPPP), or Erosivity Waiver Certification as applicable.

A temporary erosion and sedimentation control (TESC) plan shall be included with all plan submittals and should show how existing storm systems and adjacent properties will be protected from storm runoff.

All critical areas within the site limits shall be identified in the stormwater report and shown on the plans. Improvements impacting critical areas shall be noted and mitigation measures shall be presented for City review and approval consideration.

Design Criteria

The SWMMEW allows different methodologies to apply design storms to stormwater facility design. For purposes of consistency, specific design storm amounts of precipitation are provided below and summarized in Table 6-1. Precipitation amounts are taken from the figures and calculation methods provided in the SWMMEW. Once the rainfall amount is known, hydrographic methods are used to determine the rate and volume of runoff from the selected design storm, and to mathematically route a storm through proposed facilities. Hydrographic methods are discussed below along with their application to different design conditions in Cle Elum.

Design Storms

Design storms are used to establish the amount of precipitation to be used in calculating the runoff from a parcel or basin. Based on rainfall records and methods outlined in the SWMMEW, the storm events described below are applicable to Cle Elum. Note that all 24-hour storm precipitation amounts have been adjusted by a factor of 1.16 for use in the long-duration storm for Eastern Washington Region 1.

Water Quality 3-Hour Storm – 0.44 inches of precipitation. This short-duration water quality storm event is intended to provide treatment for the “first flush” events and is representative of a summer thundershower. The “first flush” can be thought of as the first amount of water that enters the system during a storm, which typically contains the highest concentration of pollutants such as roadway grit, dust and oils.

Water Quality 24-Hour Storm – 1.22 inches of precipitation. This 24-hour water quality storm event is intended to provide treatment for the “first flush” events.



25-Year, 3-Hour Storm (Regional Short-Duration Storm) – 1.11 inches of precipitation. This short-duration storm has a 25-year return frequency, or a 4 percent chance of occurring in any one year. This unique storm is representative of the summer thunderstorm where a significant amount of rainfall occurs over a 3-hour period, and should be used for design of flow-based stormwater BMPs.

25-year, 72-Hour Storm (Regional Long-Duration Storm) – 3.48 inches of precipitation (uses 25-year, 24-hour storm intensity). This long-duration storm has a 25-year return frequency, or a 4 percent chance of occurring in any one year. Volume-based BMPs should be designed for this 72-hour, long-duration storm. The intensity of this storm is lower since the rainfall occurs more slowly over an extended time within the 72-hour period. Therefore, the runoff rate is lower, but the volume is greater than the 3-hour storm.

The 25-year design storm warranting the largest storm sewer facility size shall be the controlling storm.

TABLE 6-1 PRECIPITATION EVENT INFORMATION	
Storm Event	Precipitation (Inches)
6-Month, 3-Hour Storm Event	0.44
6-Month, 24-Hour Storm Event	1.22
2-Year, 24-Hour Storm Event	1.74
10-Year, 24-hour Storm Event	2.90
25-Year, 3-Hour Storm Event	1.11
25-Year, 24-Hour Storm Event	3.48
50-Year, 24-Hour Storm Event	4.06
100-Year, 24-Hour Storm Event	4.64
Source: <i>Stormwater Management Manual for Eastern Washington</i> , Ecology, Aug. 2024 Note: 24-hour precipitation amounts have been adjusted for use in the long-duration regional storm distribution.	

Hydrologic Analysis

Hydrologic analysis determines the amount of runoff from a given storm for a given drainage area. Available methods range from simple calculations such as the Rational Method to complex computer models, requiring significant data input and knowledge of hydrologic effects.



The following hydrographic methods are considered acceptable for the watersheds within Cle Elum and its urban growth area.

- The Santa Barbara Urban Hydrograph (SBUH) method may be used for all analyses regardless of the size of the drainage area. Input parameters shall be as described by Ecology or WSDOT for the design storms described above. Other computer models may also be used with prior approval by the City.
- For drainage areas less than or equal to 20 acres, the rational formula and modified rational method, as described in older WSDOT and Soil Conservation Service publications, may be used for flow-rate-based applications. Inputs shall be as described in those publications, or other engineering texts. The SCS Unit Hydrograph Method may also be used.
- For drainage areas greater than 20 acres, and when it is necessary to route flows through detention facilities, the SCS Unit Hydrograph Method may be used. Inputs shall be as described in WSDOT and Soil Conservation Service publications, or other engineering texts.

The SBUH method uses a hyetograph to depict the intensity (amount) of rainfall versus time. A hyetograph may also be required for routing design storms through some BMPs. Design storm hyetographs applicable to Cle Elum stormwater facilities are as follows:

- Water Quality Volume-Based Treatment BMPs – 24-hour SCS Type 1A storm with a 6-month return frequency.
- Water Quality Flow-Rate-Based Treatment BMPs – 3-hour short-duration storm with a 6-month return frequency.
- Volume-Based BMPs – 72-hour Regional Long-Duration Storm with a 25-year return frequency. Storm intensity is based on the 25-year, 24-hour storm event.
- Flow-Rate-Based BMPs – 3-hour short-duration storm with a 25-year return frequency as described in the SWMMEW.
- Critical facilities required to carry 50- and 100-year storms – 24-hour SCS Type II storm.

Treatment BMP Sizing

The City of Cle Elum is located in Ecology's Region 1 of Eastern Washington. Therefore, all calculations shall be based on Region 1 methods recommended in the Ecology's SWMMEW for the sizing of stormwater BMPs. The following are design guidelines for volume-based treatment BMPs and flow-rate-based treatment BMPs.

Volume-based treatment BMPs are sized the same whether they are located upstream or downstream of a detention facility. The volume of runoff predicted for the proposed developed condition of a site will be calculated using the 24-hour SCS Type 1A storm with a 6-month return frequency (the 1.22-inch water quality design storm). The BMP will be sized to treat this amount



of water, and will also be sized to pass the 25-year short-duration storm, either through or around the BMP, without damaging the BMP or dislodging pollutants from within it.

Flow-rate-based treatment BMPs are sized differently depending on whether they are located upstream or downstream from a detention facility. If the BMP is located upstream of a detention facility, or if there is no detention facility, the runoff flow rate predicted for the proposed developed condition of a site will be calculated using the 3-hour short-duration storm with a 6-month return frequency (the 0.44-inch water quality design storm). See Chapter 7 of the SWMMEW for design parameters. If the BMP is located downstream of a detention facility, it must be sized for the full 2-year release rate of the detention facility.

Flow Control

The criteria listed below shall apply to control of stormwater runoff flow and the designated design storms shall apply:

- Flow-rate-based stormwater BMPs such as storm sewer facilities and pipelines shall be designed to carry at a minimum the 25-year, 3-hour short-duration design storm described in the SWMMEW (1.11 inches of precipitation). Depending on the size of the basin, time of concentration and infiltration rates, some infiltration facilities shall be designed using the 25-year, 24-hour storm (3.48 inches of precipitation, SCS Type 1A). The 25-year design storm warranting the largest storm sewer facility size shall be the controlling storm. At the City's discretion, if the facilities are critical to public health and safety, or significant property damage could occur, they shall be designed to successfully pass the 50-year or 100-year storm. Storm runoff from any new construction will not be permitted to enter the City's existing storm sewer pipelines.
- Volume-based stormwater BMPs such as retention and detention basins shall be designed based on the 25-year, 72-hour long-duration storm (3.48 inches of precipitation, Regional Long-Duration). A secondary outlet or emergency spillway shall be provided to pass the 100-year storm (4.46 inches of precipitation, SCS Type II) without damage to the facility.

Special Provisions For Storm Sewers And Drainage

The following sections of the WSDOT Standard Specifications have been amended or supplemented as described below and apply to the construction of public works storm sewer or drainage improvements within the City of Cle Elum.



7-02 Culverts

7-02.2 Materials

Add the following:

Culvert pipe approved for use on a City project shall be as follows:

Aluminum Culvert Pipe: Aluminum Culvert Pipe shall meet the requirements of Section 9-05.5 of the Standard Specifications.

Steel Culvert Pipe: Steel Culvert Pipe shall meet the requirements of Section 9-05.4 of the Standard Specifications.

Corrugated Polyethylene Culvert Pipe: Corrugated Polyethylene (CPE) pipe, couplings, and fittings shall meet the requirements of Section 9-05.19 of the Standard Specifications.

7-04 Storm Sewers

7-04.1 Description

Supplement this section with the following:

The term “storm drain(s)” shall mean the same as storm sewer(s).

7-04.2 Materials

Supplement this section with the following:

The storm sewer (drain) pipe approved for use shall be as follows:

36-Inch and Larger Pipe

Corrugated Aluminum Alloy Storm Sewer Pipe: All corrugated aluminum alloy storm sewer pipe shall comply with the requirements specified in Section 9-05.11 of the Standard Specifications and shall be 16 gauge with helical corrugations. A protective coating shall not be required.

15-Inch through 36-Inch Pipe

Aluminum Storm Sewer Pipe: All Aluminum Storm Sewer pipe shall meet the requirements specified in Section 9-05.11 of the Standard Specifications and shall be 16 gauge with helical corrugations. A protective coating shall not be required. All corrugated metal pipe joints shall be flexible using rubber gasket joints. Gaskets shall be made of 3/8-inch thick by 12-inch minimum width closed cell synthetic sponge rubber, per ASTM D 1056, Grade SCE-43, fabricated in the form of a cylinder with a diameter of approximately 10 percent less than the nominal



pipe size. The gasket shall be centered under the band and lapped an equal distance on the ends of the adjoining pipe sections. Coupling bands shall be used and shall conform to the provisions of Section 9-05.11(1) of the Standard Specifications. Coupling bands shall be made by the same manufacturer as the pipe and shall be made of the same base material as the pipe which it connects.

Corrugated Polyethylene Storm Sewer Pipe: Corrugated Polyethylene (CPE) pipe, couplings, and fittings shall meet the requirements of Section 9-05.20 of the Standard Specifications.

8/10/12-Inch Storm Drain Pipe

Solid Wall PVC Storm Sewer Pipe
Corrugated Polyethylene Storm Sewer Pipe
High-Density Polyethylene (HDPE) Pipe
Polypropylene Storm Sewer Pipe

Where specified on the Plans, storm drain pipe shall be PVC pressure pipe conforming to the requirements of Section 9-30.1(5)A and Ductile Iron conforming to the requirements of Section 9-30.1(1).

Underdrain Infiltration System Materials

Pipe: Perforated Corrugated Polyethylene Underdrain pipe, couplings, and fittings shall comply with all the requirements of Section 9-05.2(8) of the Standard Specifications.

Drain Rock: Drain rock for use as backfill for the perforated underdrain pipe in the infiltration trench system shall be clean coarse aggregate conforming to the requirements of Gravel Backfill for Drywells, as specified in Section 9-03.12(5) of the Standard Specifications.

Construction Geotextile: Geotextile fabric for underground infiltration systems shall be moderate survivability, non-woven, Class A as specified in Section 9-33.2(1).

7-04.3(1) Cleaning and Testing

7-04.3(1)A General

Supplement this section with the following:

No infiltration or exfiltration test will be required for storm drain pipe.



7-05 Manholes, Inlets, Catch Basins, And Drywells

7-05.2 Materials

Section 7-05.2 of the Standard Specifications shall be revised as follows:

Drain Rock: Backfill for drywells shall be Gravel Backfill for Drywells as specified in Section 9-03.12(5) of the Standard Specifications.

Manhole Metal Castings: All cast iron frames and covers shall be as specified in Section 9-05.15(1) of the Standard Specifications and manufactured in the United States. All cast iron frames and covers to be used on this project shall be of the type, weight, and size approved by the City of Cle Elum, and shall be furnished by the Contractor. Covers for storm drain shall be stamped "STORM" or "DRAIN."

Precast Concrete Catch Basin: Catch basins shall be WSDOT Type 1, 1L, or 2 and constructed as shown on the City Standard Details.

Catch Basin Metal Castings: All frames and grates shall be capable of withstanding, with a reasonable margin of safety, a concentrated load of 20,000 pounds and shall be as specified in Section 9-05.15(2) of the Standard Specifications and WSDOT Standard Plan B-30.30 or B-30.40. The grate shall be ductile iron and "bicycle safe." The contact surfaces of the frame and grate shall be machine finished to a common plane and shall be so cast as to prevent rocking.

Type 2 Catch Basin Frames and Covers: Frames and covers shall be class 30 cast iron meeting the requirements of ASTM A48. 24" round covers shall read "STORM" embossed in top (2" raised letters), cover weight 150 lbs, frame weight 185 lbs. Approved manufacturers include East Jordan Iron Works, D&L Foundry, and Olympic Foundry.

Precast Concrete Pretreatment Manhole: Stormwater pretreatment manholes shall be approved by the Washington State Department of Ecology (Ecology) with a General Use Level Designation (GULD), capable of 50% removal of fine (50 micron mean size) and 80% removal of coarse (125 micron mean size) total suspended solids (TSS) for influent concentrations greater than 100 mg/L, but less than 200 mg/L, as required by Ecology.

Pretreatment manholes shall be constructed of pre-cast concrete manhole sections, flat top slab, and adjustment sections (similar to WSDOT Catch Basin Type 2, Standard Plan B-10.20-01), with cast iron covers as described above. The pretreatment insert shall be constructed of fiberglass and/or steel materials that are corrosion resistant. Manhole safety steps shall be provided as shown on the Plans and the pretreatment insert shall act as a platform for maintenance purposes.

The pretreatment manhole shall be capable of handling the specified water quality flows and shall incorporate a bypass within the unit to handle the specified peak flows. The pretreatment manhole shall be capable of incorporating multiple inlets/outlets, with the inlet and outlet pipes at 90 degrees to each other. Access to pretreatment insert ports and openings for maintenance shall be achieved through the cast iron cover(s).



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

Delete and replace with the following:

Manholes, valve boxes, catch basins, and similar utility appurtenances and structures shall not be adjusted until the pavement is completed, at which time the center of each structure shall be relocated from references previously established by the Contractor.

The asphalt concrete pavement shall be cut and removed to a neat circle, the diameter as specified on the Standard Details. The frame shall be placed on cement concrete blocks or adjustment rings and brought up to the desired grade. The base materials shall be removed, and Class 3000 cement concrete shall be placed to the depth specified on the Standard Detail.

On the following day, a tack coat of asphalt shall be applied to the concrete, the edges of the asphalt concrete pavement, and the outer edge of the casting. HMA Cl. 3/8-Inch asphalt concrete shall then be placed and compacted with hand tampers and a patching roller.

The completed patch shall match the existing paved surface for texture, density, and uniformity of grade. The joint between the patch and the existing pavement shall then be sealed with emulsified asphalt and shall be immediately covered with dry paving sand before the tack has broken.

Utility appurtenances outside paved areas shall be adjusted to match the finish grade of the area surrounding the structure. The utility cover shall be cleaned of all concrete prior to acceptance.

7-05.3(3) Connection to Existing Manholes

Supplement this section with the following:

The Contractor shall be required to core drill into the structure, shape the channel to accommodate the new pipe, and grout the opening.



Chapter 7 - Street Improvements

General Requirements for Street Improvements

Street Requirements

Arterials and Major Collector streets serve as the high-volume corridors that connect the major traffic generators and shall be designed to meet the minimum right-of-way and roadway dimensions as shown on the City Standard Details. Face of curb radius at intersections shall be a minimum of forty (40) feet, or as approved by the Public Works Director and City Engineer. Both Arterial and Collector streets shall be designed for a WB-50 vehicle and HS-25 loadings.

Local Access (Residential) streets shall be designed to meet the minimum right-of-way and roadway dimensions as shown on the City Standard Details. If on-street parking is desired by the Developer and required by the City, Local Access (Residential) streets shall be designed to meet the minimum right-of-way and roadway dimensions as shown on the on-street roadway City Standard Detail. Face of curb radius at intersection shall be a minimum of twenty-five (25) feet, or as approved by the Public Works Director and City Engineer.

The street centerline radius shall be designed to meet minimum standards for applicable design speeds as presented in the Policy on Geometric Design of Highways and Streets (Green Book) published by the American Association of State Highway and Transportation Officials, or as approved by the City Engineer.

The maximum length of a cul-de-sac street shall be 400 feet measured along the street centerline from the nearest street intersection to the throat of the cul-de-sac. Where it is not feasible to construct a cul-de-sac turnaround, the City may allow the use of an “L” or “Hammerhead” turnaround upon approval by the Public Works Director, Fire Chief, and City Engineer. The minimum cul-de-sac right-of-way is a radius of 60 feet and a curb radius of 50 feet.

A subdivision of 40 or more lots shall have two or more access points. Street intersection angles shall not be less than 90 degrees, unless approved by the Public Works Director and City Engineer. Offset street intersections shall not be less than 200 feet for Collector streets and 100 feet for Local Access streets.

Street grades shall be kept to a maximum of eleven (11) percent and a minimum of five-tenths (0.5) percent. Vertical curves shall be designed when the grade difference is greater than two (2) percent. AASHTO requirements for sight-distance shall apply.

Cement concrete barrier curb and gutter and sidewalks shall be installed along both sides of all new streets unless otherwise approved by the City of Cle Elum and City Engineer. Cement concrete rolled curb is allowable for local access streets in subdivisions, except for the curb return and 20 feet beyond at an intersection radius where the curb shall be full height (barrier). There shall be a 10-foot long transition from the full height curb to the rolled curb.



Pedestrian ramps shall be designed to City Standard Details (WSDOT Standard Plans) and shall meet ADA requirements. Crosswalks between pedestrian ramps shall be designed to meet ADA requirements with cross slopes less than 2%.

Driveways shall be located on the lowest classification of roadway abutting the lot. Driveway widths and locations are limited to one per lot as approved by the Public Works Director. A "Corner" lot driveway shall be located as far as possible from the street intersection (50 feet minimum).

A street light shall be installed at each street intersection, at mid-block, no more than three hundred (300) feet apart, and at cul-de-sac ends. Street lights shall meet the design and placement requirements of these Design and Construction Standards. Power service placement shall be proposed for review and approval consideration by the Public Works Director, City Engineer, and local electric utility.

In all new developments, monuments with cover caps and cases shall be installed at the centerline of street intersections, angle point and points of curves, and at other locations as determined by the Public Works Director.

Traffic signs, posts, sleeves, pavement markings, and channelization devices shall be provided and installed by the Developer in accordance with the latest edition of the Manual of Uniform Traffic Control Devices (MUTCD) and City Design and Construction Standards. Center line markings shall be installed on all paved roadways having an ADT of 2,000 vehicles per day or greater, or as required by the Public Works Director and City Engineer.

Fencing, transformers, pedestals, and other above ground utilities shall not inhibit intersection sight triangles or access to any City utility.

The City Fire Chief may require an emergency vehicle access in addition to other access points. If required, the access shall be designed to meet the standards as approved by the Fire Chief.

Traffic Studies

In order to provide sufficient information to assess a development's impact on the transportation system and level of service, the Public Works Director or City Engineer may require a traffic study to be completed by the Developer at the Developer's expense. This decision will be based upon the size of the proposed development, existing roadway condition, existing and expected traffic volumes, accident history, expressed community concern, and other factors relating to transportation. Typically, a traffic study is required when the development includes new trips totaling 90 average daily traffic (ADT), and/or 45 parking stalls. Traffic studies shall be conducted under the direction of a Traffic Engineer or Civil Engineer licensed in the State of Washington and possessing special training and experience in traffic engineering. The level of detail and scope of the traffic study may vary with the size, complexity, and location of the proposed development. A traffic study shall, at a minimum, be a thorough review of the immediate and long-range effects of the proposed development on the City's transportation system. At a minimum, a traffic study shall include the following:



- Description of development (location, current and proposed land use and zoning) AM, PM, and Daily trip generation
- Site plan review
 - Access locations
 - Bike/ped/vehicle circulation
 - Parking evaluation

Traffic study elements that could also be requested by the City include:

- Inventory of existing transportation network
 - Pedestrian, bicyclist, and vehicular
- Trip distribution
- Surrounding area land uses and zoning
- Existing Conditions (traffic counts collected within previous 12 months)
- No Build Conditions
 - Using background growth and background project trips
- Build Conditions
- Mitigation Conditions (if necessary)
 - Off-site, such as proportionate share of infrastructure improvements
 - On-site, such as traffic management plan (TMP) or parking management plan (PMP)
- Safety analysis
 - Crash data for all study intersections from last 5 years
 - Discussion on crash trends, if any
 - Recommendations for safety improvements, if any

Guidelines for the traffic study shall be reviewed by the Public Works Director and City Engineer on a project basis. ADT and peak hour volumes for the development shall be estimated using the trip generators found in the latest edition of the Trip Generation Manual published by ITE.



Special Provisions For Street Improvements

The following sections of the Standard Specifications have been amended or supplemented as described below.

2-01 Clearing, Grubbing, And Roadside Cleanup

2-01.1 Description

Supplement this section with the following:

All work beyond the right-of-way line shall be coordinated with affected property owner(s) per Section 1-07.24 Rights of Way.

The Contractor shall temporarily remove and later replace to its original condition or relocate nearby as directed, all mail boxes, small trees, shrubs, street signs and posts, culverts, irrigation facilities, concrete or rock walls, or other similar obstructions which lie in or near the line of work and are not intended for removal. Should any damage be incurred, the cost of replacement or repair shall be borne by the Contractor.

2-01.3(5) Fencing (New Section)

Add the following new section:

The Contractor shall carefully remove existing fencing located within or near the proposed alignments. All fencing materials to be removed and replaced shall be temporarily placed on the adjacent properties or stored as directed by the City. The removal and replacement of all fencing shall be done at the Contractor's expense. Any fencing that is to be reset shall be relocated and reset by the Contractor along the property lines or as directed by the City.

2-02 Removal Of Structures And Obstructions

2-02.3 Construction Requirements

2-02.3(2) Removal of Bridges, Box Culverts, and Other Drainage Structures

Supplement this section with the following:

Where structures or installations of concrete, brick, blocks, etc., interfere with the construction, they shall be removed and any pipe openings shall be properly plugged watertight with Class 3000 concrete, or with mortar and masonry, blocks, or brick. The removal and plugging of pipes shall be considered as incidental to the construction.

Where the structures are removed, the voids shall be backfilled with suitable, job-excavated material and compacted, and such work shall be considered as incidental



to the removal work. If the City determines the job-excavated material to be unsuitable for backfill, the Contractor shall place ballast or crushed surfacing material as directed by the City.

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

Supplement this section with the following:

Where shown on the Plans or as directed by the City, the Contractor shall be required to remove existing pavement, sidewalks, curbs, etc., which are outside the right-of-way line and are required to be removed for construction of the improvements.

In those areas where asphalt pavement removal is required, the Contractor shall, prior to excavation, score the edge of the asphalt concrete pavement with an approved pavement cutter such as a concrete saw. During the course of the work, the Contractor shall take precautions to preserve the integrity of this neat, clean pavement edge. Should the pavement edge be damaged prior to asphalt concrete paving activities, the Contractor shall be required to trim the edge with an approved pavement cutter as directed by the City immediately prior to paving.

2-03 Roadway Excavation And Embankment

2-03.1 Description

Supplement this section with the following:

Street excavation shall consist of removing the existing material of whatever nature encountered to the subgrade elevation and shaping the subgrade to conform to the cross-section shown on the Plans or as staked in the field.

Where directed by the Consultant, the Contractor shall excavate beyond the right-of-way in order to adequately slope adjacent properties.

The Contractor shall use caution while performing roadway excavation. Heavy, rubber-tired equipment, particularly front end loaders, shall limit their travel over a single area as much as possible. Trucks shall observe a 10 mph speed limit when traveling over exposed subgrade areas.

The Contracting Agency will reference all known existing monuments or markers relating to subdivisions, plats, roads, street centerline intersections, etc. The Contractor shall take special care to protect these monuments or markers and also the reference points. In the event the Contractor is negligent in preserving such monuments and markers, the points will be reset by a licensed surveyor at the Contractor's expense.



2-03.3 Construction Requirements

2-03.3(3) Excavation Below Subgrade

Supplement this section with the following:

At the direction of the Consultant, areas within the street subgrade which exhibit instability due to high moisture content shall be:

1. Aerated and allowed to dry,
2. Over-excavated and backfilled with ballast, or crushed surfacing base course. The contractor may be instructed to install construction geotextile for soil stabilization in the excavation,
3. Or a combination of any of the above.

2-03.3(14)D Compaction and Moisture Control Tests

Delete this section and replace it with the following:

Compaction shall be 95% of maximum density as determined by ASTM D 698 (Standard Proctor). The Contractor shall notify the City when ready for in-place subgrade density tests. Placement of courses of aggregate shall not proceed until density requirements are met. The Developer/Contractor shall be responsible for scheduling and paying for all testing. All costs associated with failed tests/testing shall be the responsibility of the Contractor.

If any tests are failed, the Public Works Director will require additional testing to determine the extent of the failure and more frequent tests may be required on additional work.

2-07 Watering

2-07.1 Description

Supplement this section with the following:

The Contractor shall be solely responsible for dust control on the Developer's project and shall protect motoring public, adjacent homes and businesses, and school yards from damage due to dust, by whatever means necessary. The Contractor shall be responsible for any claims for damages and shall protect the City, Kittitas County, and Consultant from any and all such claims.

When directed by the City, the Contractor shall provide water for dust control within two hours of such order and have equipment and manpower available at all times including weekends and holidays to respond to orders for dust control measures. Should the Contractor fail to comply within two hours, the City may utilize its own



staff at the prevailing staff wage rate plus equipment rental charges, and/or contracted watering services. The Contractor will be responsible for reimbursement of all dust control costs including labor, equipment, water, and contractor costs. Subsequent building permits will not be processed until reimbursement is paid in total.

2-11 Trimming and Cleanup

2-11.3 Construction Requirements

Add the following to the first paragraph:

7. Restore all grass area affected by construction with sod and in accordance with the City of Cle Elum Construction Standards.
8. Restore all landscaping rock, mulch, and bark with the same materials as existed prior to construction.
9. Restore all shoulders, from edge of pavement to right of way line, with the same material as existed prior to construction, except that earth shoulders shall be restored with 2 inches of compacted crushed surfacing top course.
10. Restore the site and offsite areas damaged by the Work to their original condition or better and to the satisfaction of the Public Works Director and the adjoining homeowners.

4-04 Ballast And Crushed Surfacing

4-04.3 Construction Requirements

4-04.3(5) Shaping and Compaction

Supplement this section with the following:

The Contractor shall notify the City when he is ready for in-place ballast, base course, or top course density tests. Placement of successive courses of aggregate or asphalt concrete shall not proceed until density requirements are met. The Developer/Contractor shall be responsible for scheduling and paying for all testing. All costs associated with failed tests/testing shall be the responsibility of the Contractor.

5-04 Hot Mix Asphalt

Delete Section 5-04, Hot Mix Asphalt, and replace it with the following:

5-04.1 Description

This Work shall consist of providing and placing one or more layers of plant-mixed hot mix asphalt (HMA) on a prepared foundation or base in accordance with these Specifications and the lines, grades, thicknesses, and typical cross-sections shown in the Plans. The manufacture of HMA may include warm mix asphalt (WMA) processes in accordance with



these Specifications. WMA processes include organic additives, chemical additives, and foaming.

HMA shall be composed of asphalt binder and mineral materials as may be required, mixed in the proportions specified to provide a homogeneous, stable, and workable mixture.

5-04.2 Materials

Materials shall meet the requirements of the following sections:

Asphalt Binder	9-02.1(4)
Cationic Emulsified Asphalt	9-02.1(6)
Anti-Stripping Additive	9-02.4
HMA Additive	9-02.5
Aggregates	9-03.8
Recycled Asphalt Pavement (RAP)	9-03.8(3)B, 9-03.21
Reclaimed Asphalt Shingles (RAS)	9-03.8(3)B, 9-03.21
Mineral Filler	9-03.8(5)
Recycled Material	9-03.21

The Contract documents may establish that the various mineral materials required for the manufacture of HMA will be furnished in whole or in part by the Contracting Agency. If the documents do not establish the furnishing of any of these mineral materials by the Contracting Agency, the Contractor shall be required to furnish such materials in the amounts required for the designated mix. Mineral materials include coarse and fine aggregates, and mineral filler.

The Contractor may choose to utilize recycled asphalt pavement (RAP) in the production of HMA. The RAP may be from pavements removed under the Contract, if any, or pavement material from an existing stockpile.

The Contractor may use up to 20 percent RAP by total weight of HMA with no additional sampling or testing of the RAP.

If the Contractor wishes to utilize High RAP/Any RAS, the design must be listed on the WSDOT Qualified Products List (QPL).

The grade of asphalt binder shall be PG 64S-28 or PG 64H-28. Blending of asphalt binder from different sources is not permitted.

The Contractor may only use warm mix asphalt (WMA) processes in the production of HMA with 20 percent or less RAP by total weight of HMA. The Contractor shall submit to the Engineer for approval the process that is proposed and how it will be used in the manufacture of HMA.

Production of aggregates shall comply with the requirements of Section 3-01. Preparation of stockpile site, the stockpiling of aggregates, and the removal of aggregates from stockpiles shall comply with the requirements of Section 3-02.



5-04.2(1) How to Get an HMA Mix Design on the QPL

If the contractor wishes to submit a mix design for inclusion in the Qualified Products List (QPL), please follow the WSDOT process outlined in Standard Specification 5-04.2(1).

5-04.2(1)A Vacant

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

No paving shall begin prior to the approval of the mix design by the Engineer.

Nonstatistical evaluation will be used for all HMA not designated as Commercial HMA in the Contract documents.

Commercial evaluation will be used for Commercial HMA and for other classes of HMA in the following applications: sidewalks, road approaches, ditches, slopes, paths, trails, gores, prelevel, temporary pavement, and pavement repair. Other nonstructural applications of HMA accepted by commercial evaluation shall be as approved by the Project Engineer. Sampling and testing of HMA accepted by commercial evaluation will be at the option of the Project Engineer. The Proposal quantity of HMA that is accepted by commercial evaluation will be excluded from the quantities used in the determination of nonstatistical evaluation.

Nonstatistical Mix Design. Fifteen days prior to the first day of paving the Contractor shall provide one of the following mix design verification certifications for Contracting Agency review;

- The WSDOT Mix Design Evaluation Report from the current WSDOT QPL, or one of the mix design verification certifications listed below.
- The proposed HMA mix design on WSDOT Form 350-042 with the seal and certification (stamp & signature) of a valid licensed Washington State Professional Engineer.
- The Mix Design Report for the proposed HMA mix design developed by a qualified City or County laboratory that is within one year of the approval date.

The Developer shall be responsible for the mix design. The mix design shall be performed by a lab accredited by a national authority such as Laboratory Accreditation Bureau, L-A-B for Construction Materials Testing, The Construction Materials Engineering Council (CMEC's) ISO 17025 or AASHTO Accreditation Program (AAP) and shall supply evidence of participation in the AASHTO: resource proficiency sample program.

Mix designs for HMA accepted by Nonstatistical evaluation shall:

- Have the aggregate structure and asphalt binder content determined in accordance with WSDOT Standard Operating Procedure 732 and meet the requirements of Sections 9-03.8(2), except that Hamburg testing for ruts and stripping are at the discretion of the Engineer, and 9-03.8(6).



- Have anti-strip requirements, if any, for the proposed mix design determined in accordance with AASHTO T 283 or T 324 or based on historic anti-strip and aggregate source compatibility from previous WSDOT lab testing.

At the discretion of the Engineer, agencies may accept verified mix designs older than 12 months from the original verification date with a certification from the Contractor that the materials and sources are the same as those shown on the original mix design.

Commercial Evaluation Mix Design. Approval of a mix design for “Commercial Evaluation” will be based on a review of the Contractor’s submittal of WSDOT Form 350-042 (for commercial mixes, AASHTO T 324 evaluation is not required) or a Mix Design from the current WSDOT QPL or from one of the processes allowed by this section. Testing of the HMA by the Contracting Agency for mix design approval is not required.

For the Bid Item Commercial HMA, the Contractor shall select a class of HMA and design level of ESAL’s appropriate for the required use.

5-04.2(2)B Using Warm Mix Asphalt Processes

The Contractor may elect to use additives that reduce the optimum mixing temperature or serve as a compaction aid for producing HMA. Additives include organic additives, chemical additives and foaming processes. The use of Additives is subject to the following:

- Do not use additives that reduce the mixing temperature more than allowed in Section 5-04.3(6) in the production of mixtures.
- Before using additives, obtain the Engineer’s approval using WSDOT Form 350-076 to describe the proposed additive and process.

5-04.3 Construction Requirements

5-04.3(1) Weather Limitations

Do not place HMA for wearing course on any Traveled Way beginning October 1st through March 31st of the following year without written concurrence from the Engineer.

Do not place HMA on any wet surface, or when the average surface temperatures are less than those specified below, or when weather conditions otherwise prevent the proper handling or finishing of the HMA.

Minimum Surface Temperature for Paving

Compacted Thickness (Feet)	Wearing Course	Other Courses
Less than 0.10	55°F	45°F
0.10 to .20	45°F	35°F
More than 0.20	35°F	35°F



5-04.3(2) Paving Under Traffic

When the Roadway being paved is open to traffic, the requirements of this Section shall apply.

The Contractor shall keep intersections open to traffic at all times except when paving the intersection or paving across the intersection. During such time, and provided that there has been an advance warning to the public, the intersection may be closed for the minimum time required to place and compact the mixture. In hot weather, the Engineer may require the application of water to the pavement to accelerate the finish rolling of the pavement and to shorten the time required before reopening to traffic.

Before closing an intersection, advance warning signs shall be placed, and signs shall also be placed marking the detour or alternate route.

During paving operations, temporary pavement markings shall be maintained throughout the project. Temporary pavement markings shall be installed on the Roadway prior to opening to traffic. Temporary pavement markings shall be in accordance with Section 8-23.

All costs in connection with performing the Work in accordance with these requirements, shall be the Developer's responsibility.

5-04.3(3) Equipment

5-04.3(3)A Mixing Plant

Plants used for the preparation of HMA shall conform to the following requirements:

1. **Equipment for Preparation of Asphalt Binder** – Tanks for the storage of asphalt binder shall be equipped to heat and hold the material at the required temperatures. The heating shall be accomplished by steam coils, electricity, or other approved means so that no flame shall be in contact with the storage tank. The circulating system for the asphalt binder shall be designed to ensure proper and continuous circulation during the operating period. A valve for the purpose of sampling the asphalt binder shall be placed in either the storage tank or in the supply line to the mixer.
2. **Thermometric Equipment** – An armored thermometer, capable of detecting temperature ranges expected in the HMA mix, shall be fixed in the asphalt binder feed line at a location near the charging valve at the mixer unit. The thermometer location shall be convenient and safe for access by Inspectors. The plant shall also be equipped with an approved dial-scale thermometer, a mercury actuated thermometer, an electric pyrometer, or another approved thermometric instrument placed at the discharge chute of the drier to automatically register or indicate the temperature of the heated aggregates. This device shall be in full view of the plant operator.
3. **Heating of Asphalt Binder** – The temperature of the asphalt binder shall not exceed the maximum recommended by the asphalt binder manufacturer nor shall it be below the



minimum temperature required to maintain the asphalt binder in a homogeneous state. The asphalt binder shall be heated in a manner that will avoid local variations in heating. The heating method shall provide a continuous supply of asphalt binder to the mixer at a uniform average temperature with no individual variations exceeding 25°F. Also, when a WMA additive is included in the asphalt binder, the temperature of the asphalt binder shall not exceed the maximum recommended by the manufacturer of the WMA additive.

4. **Sampling and Testing of Mineral Materials** – The HMA plant shall be equipped with a mechanical sampler for the sampling of the mineral materials. The mechanical sampler shall meet the requirements of Section 1-05.6 for the crushing and screening operation. The Contractor shall provide for the setup and operation of the field-testing facilities of the Contracting Agency as provided for in Section 3-01.2(2).
5. **Sampling HMA** – The HMA plant shall provide for sampling HMA by one of the following methods:
 - a. A mechanical sampling device attached to the HMA plant.
 - b. Platforms or devices to enable sampling from the hauling vehicle without entering the hauling vehicle.

5-04.3(3)B Hauling Equipment

Trucks used for hauling HMA shall have tight, clean, smooth metal beds and shall have a cover of canvas or other suitable material of sufficient size to protect the mixture from adverse weather. Whenever the weather conditions during the work shift include, or are forecast to include precipitation or an air temperature less than 45°F or when time from loading to unloading exceeds 30 minutes, the cover shall be securely attached to protect the HMA.

The Contractor shall provide an environmentally benign means to prevent the HMA mixture from adhering to the hauling equipment. Excess release agent shall be drained prior to filling hauling equipment with HMA. Petroleum derivatives or other coating material that contaminate or alter the characteristics of the HMA shall not be used. For live bed trucks, the conveyer shall be in operation during the process of applying the release agent.

5-04.3(3)C Pavers

HMA pavers shall be self-contained, power-propelled units, provided with an internally heated vibratory screed and shall be capable of spreading and finishing courses of HMA plant mix material in lane widths required by the paving section shown in the Plans.

The HMA paver shall be in good condition and shall have the most current equipment available from the manufacturer for the prevention of segregation of the HMA mixture installed, in good condition, and in working order. The equipment certification shall list the make, model, and year of the paver and any equipment that has been retrofitted.



The screed shall be operated in accordance with the manufacturer's recommendations and shall effectively produce a finished surface of the required evenness and texture without tearing, shoving, segregating, or gouging the mixture. A copy of the manufacturer's recommendations shall be provided upon request by the Contracting Agency. Extensions will be allowed provided they produce the same results, including ride, density, and surface texture as obtained by the primary screed. Extensions without augers and an internally heated vibratory screed shall not be used in the Traveled Way.

The Contractor shall furnish and install all pins, brackets, tensioning devices, wire, and accessories necessary for satisfactory operation of the automatic control equipment.

If the paving machine in use is not providing the required finish, the Engineer may suspend Work as allowed by Section 1-08.6. Any cleaning or solvent type liquids spilled on the pavement shall be thoroughly removed before paving proceeds.

5-04.3(3)D Material Transfer Device or Material Transfer Vehicle

A Material Transfer Device/Vehicle (MTD/V) shall only be used with the Engineer's approval, unless otherwise required by the Contract.

Where an MTD/V is required by the Contract, the Engineer may approve paving without an MTD/V, at the request of the Contractor. The Engineer will determine if an equitable adjustment in cost or time is due.

When used, the MTD/V shall mix the HMA after delivery by the hauling equipment and prior to laydown by the paving machine. Mixing of the HMA shall be sufficient to obtain a uniform temperature throughout the mixture. If a windrow elevator is used, the length of the windrow may be limited in urban areas or through intersections, at the discretion of the Engineer.

To be approved for use, an MTV:

1. Shall be self-propelled vehicle, separate from the hauling vehicle or paver.
2. Shall not be connected to the hauling vehicle or paver.
3. May accept HMA directly from the haul vehicle or pick up HMA from a windrow.
4. Shall mix the HMA after delivery by the hauling equipment and prior to placement into the paving machine.
5. Shall mix the HMA sufficiently to obtain a uniform temperature throughout the mixture.

To be approved for use, an MTD:

1. Shall be positively connected to the paver.
2. May accept HMA directly from the haul vehicle or pick up HMA from a windrow.



3. Shall mix the HMA after delivery by the hauling equipment and prior to placement into the paving machine.
4. Shall mix the HMA sufficiently to obtain a uniform temperature throughout the mixture.

5-04.3(3)E Rollers

Rollers shall be of the steel wheel, vibratory, oscillatory, or pneumatic tire type, in good condition and capable of reversing without backlash. Operation of the roller shall be in accordance with the manufacturer's recommendations. When ordered by the Engineer for any roller planned for use on the project, the Contractor shall provide a copy of the manufacturer's recommendation for the use of that roller for compaction of HMA. The number and weight of rollers shall be sufficient to compact the mixture in compliance with the requirements of Section 5-04.3(10). The use of equipment that results in crushing of the aggregate will not be permitted. Rollers producing pickup, washboard, uneven compaction of the surface, displacement of the mixture or other undesirable results shall not be used.

5-04.3(4) Preparation of Existing Paved Surfaces

When the surface of the existing pavement or old base is irregular, the Contractor shall bring it to a uniform grade and cross-section as shown on the Plans or approved by the Engineer.

Preleveling of uneven or broken surfaces over which HMA is to be placed may be accomplished by using an asphalt paver, a motor patrol grader, or by hand raking, as approved by the Engineer.

Compaction of preleveling HMA shall be to the satisfaction of the Engineer and may require the use of small steel wheel rollers, plate compactors, or pneumatic rollers to avoid bridging across preleveled areas by the compaction equipment. Equipment used for the compaction of preleveling HMA shall be approved by the Engineer.

Before construction of HMA on an existing paved surface, the entire surface of the pavement shall be clean. All fatty asphalt patches, grease drippings, and other objectionable matter shall be entirely removed from the existing pavement. All pavements or bituminous surfaces shall be thoroughly cleaned of dust, soil, pavement grindings, and other foreign matter. All holes and small depressions shall be filled with an appropriate class of HMA. The surface of the patched area shall be leveled and compacted thoroughly. Prior to the application of tack coat, or paving, the condition of the surface shall be approved by the Engineer.

A tack coat of asphalt shall be applied to all paved surfaces on which any course of HMA is to be placed or abutted; except that tack coat may be omitted from clean, newly paved surfaces at the discretion of the Engineer. Tack coat shall be uniformly applied to cover the existing pavement with a thin film of residual asphalt free of streaks and bare spots at a rate between 0.02 and 0.10 gallons per square yard of retained asphalt. The rate of application shall be approved by the Engineer. A heavy application of tack coat shall be applied to all joints. For Roadways open to traffic, the application of tack coat shall be limited to surfaces that will be paved during the same



working shift. The spreading equipment shall be equipped with a thermometer to indicate the temperature of the tack coat material.

Equipment shall not operate on tacked surfaces until the tack has broken and cured. If the Contractor's operation damages the tack coat it shall be repaired prior to placement of the HMA.

The tack coat shall be CSS-1, or CSS-1h emulsified asphalt. The CSS-1 and CSS-1h emulsified asphalt may be diluted once with water at a rate not to exceed one-part water to one-part emulsified asphalt. The tack coat shall have sufficient temperature such that it may be applied uniformly at the specified rate of application and shall not exceed the maximum temperature recommended by the emulsified asphalt manufacturer.

5-04.3(4)A Crack Sealing

The Contractor shall seal all cracks 1/4 inch in width and greater, in accordance with Section 5-03.

5-04.3(4)B Vacant

5-04.3(4)C Pavement Repair

The Contractor shall excavate pavement repair areas and shall backfill these with HMA in accordance with the details shown in the Plans and as marked in the field. The Contractor shall conduct the excavation operations in a manner that will protect the pavement that is to remain. Pavement not designated to be removed that is damaged as a result of the Contractor's operations shall be repaired by the Contractor to the satisfaction of the Engineer at no cost to the Contracting Agency. The Contractor shall excavate only within one lane at a time unless approved otherwise by the Engineer. The Contractor shall not excavate more area than can be completely finished during the same shift, unless approved by the Engineer.

Unless otherwise shown in the Plans or determined by the Engineer, excavate to a depth of 1.0 feet. The Engineer will make the final determination of the excavation depth required. The minimum width of any pavement repair area shall be 40 inches unless shown otherwise in the Plans. Before any excavation, the existing pavement shall be sawcut or shall be removed by a pavement grinder. Excavated materials will become the property of the Contractor and shall be disposed of in a Contractor-provided site off the Right of Way or used in accordance with Sections 2-02.3(3) or 9-03.21.

Asphalt for tack coat shall be required as specified in Section 5-04.3(4). A heavy application of tack coat shall be applied to all surfaces of existing pavement in the pavement repair area.

Placement of the HMA backfill shall be accomplished in lifts not to exceed 0.35-foot compacted depth. Lifts that exceed 0.35-foot of compacted depth may be accomplished with the approval of the Engineer. Each lift shall be thoroughly compacted by a mechanical tamper or a roller.



5-04.3(5) Producing/Stockpiling Aggregates and RAP

Aggregates and RAP shall be stockpiled according to the requirements of Section 3-02. Sufficient storage space shall be provided for each size of aggregate and RAP. Materials shall be removed from stockpile(s) in a manner to ensure minimal segregation when being moved to the HMA plant for processing into the final mixture. Different aggregate sizes shall be kept separated until they have been delivered to the HMA plant.

5-04.3(5)A Vacant

5-04.3(6) Mixing

After the required amount of mineral materials, asphalt binder, recycling agent and anti-stripping additives have been introduced into the mixer the HMA shall be mixed until complete and uniform coating of the particles and thorough distribution of the asphalt binder throughout the mineral materials is ensured.

When discharged, the temperature of the HMA shall not exceed the optimum mixing temperature by more than 25°F as shown on the reference mix design report or as approved by the Engineer. Also, when a WMA additive is included in the manufacture of HMA, the discharge temperature of the HMA shall not exceed the maximum recommended by the manufacturer of the WMA additive. A maximum water content of 2 percent in the mix, at discharge, will be allowed providing the water causes no problems with handling, stripping, or flushing. If the water in the HMA causes any of these problems, the moisture content shall be reduced as directed by the Engineer.

Storing or holding of the HMA in approved storage facilities will be permitted with approval of the Engineer, but in no event shall the HMA be held for more than 24 hours. HMA held for more than 24 hours after mixing shall be rejected. Rejected HMA shall be disposed of by the Contractor at no expense to the Contracting Agency. The storage facility shall have an accessible device located at the top of the cone or about the third point. The device shall indicate the amount of material in storage. No HMA shall be accepted from the storage facility when the HMA in storage is below the top of the cone of the storage facility, except as the storage facility is being emptied at the end of the working shift.

Recycled asphalt pavement (RAP) utilized in the production of HMA shall be sized prior to entering the mixer so that a uniform and thoroughly mixed HMA is produced. If there is evidence of the recycled asphalt pavement not breaking down during the heating and mixing of the HMA, the Contractor shall immediately suspend the use of the RAP until changes have been approved by the Engineer. After the required amount of mineral materials, RAP, new asphalt binder and asphalt rejuvenator have been introduced into the mixer the HMA shall be mixed until complete and uniform coating of the particles and thorough distribution of the asphalt binder throughout the mineral materials, and RAP is ensured.



5-04.3(7) Spreading and Finishing

The mixture shall be laid upon an approved surface, spread, and struck off to the grade and elevation established. HMA pavers complying with Section 5-04.3(3) shall be used to distribute the mixture. Unless otherwise directed by the Engineer, the nominal compacted depth of any layer of any course shall not exceed the following:

HMA Class 1" 0.35 feet
HMA Class 3/4" and HMA Class 1/2"
 wearing course 0.30 feet
 other courses 0.35 feet
HMA Class 3/8" 0.15 feet

On areas where irregularities or unavoidable obstacles make the use of mechanical spreading and finishing equipment impractical, the paving may be done with other equipment or by hand.

5-04.3(8) Aggregate Acceptance Prior to Incorporation in HMA

For HMA accepted by nonstatistical evaluation, the aggregate properties of sand equivalent, uncompacted void content, and fracture will be evaluated in accordance with Section 3-04. Sampling and testing of aggregates for HMA accepted by commercial evaluation will be at the option of the Engineer.

5-04.3(9) HMA Mixture Acceptance

Acceptance of HMA shall be as provided under nonstatistical, or commercial evaluation.

Nonstatistical evaluation will be used for the acceptance of HMA unless Commercial Evaluation is specified.

Commercial evaluation will be used for Commercial HMA and for other classes of HMA in the following applications: sidewalks, road approaches, ditches, slopes, paths, trails, gores, prelevel, temporary pavement, and pavement repair. Other nonstructural applications of HMA accepted by commercial evaluation shall be as approved by the Engineer. Sampling and testing of HMA accepted by commercial evaluation will be at the option of the Engineer.

5-04.3(9)A Vacant

5-04.3(9)B Vacant

5-04.3(9)C Mixture Acceptance – Nonstatistical Evaluation

HMA mixture which is accepted by Nonstatistical Evaluation will be evaluated by the Contracting Agency by dividing the HMA tonnage into lots.



5-04.3(9)C2 Mixture Nonstatistical Evaluation Sampling

Samples for acceptance testing shall be obtained by the Contractor when ordered by the Engineer. The Contractor shall sample the HMA mixture in the presence of the Engineer and in accordance with AASH-TO T 168. A minimum of three samples should be taken for each class of HMA placed on a project. If used in a structural application, at least one of the three samples shall be tested.

Sampling and testing HMA in a structural application where quantities are less than 400 tons is at the discretion of the Engineer.

5-04.3(9)C3 Mixture Nonstatistical Evaluation – Acceptance Testing

Testing of HMA for compliance of V_a will be at the option of the Contracting Agency. If tested, compliance of V_a will use WSDOT SOP 731.

Testing for compliance of asphalt binder content will be by WSDOT FOP for AASHTO T 308.

Testing for compliance of gradation will be by FOP for WAQTC T 27/T 11.

Testing costs shall be the responsibility of the Developer.

5-04.3(10) HMA Compaction Acceptance

HMA mixture accepted by nonstatistical evaluation that is used in traffic lanes, including lanes for intersections, ramps, truck climbing, weaving, and speed change, and having a specified compacted course thickness greater than 0.10-foot, shall be compacted to a specified level of relative density. The specified level of relative density shall be a CPF of not less than 0.75 when evaluated in accordance with Section 1-06.2, using a LSL of 92.0 (minimum of 92 percent of the maximum density). The maximum density shall be determined by WSDOT FOP for AASHTO T 729. The specified level of density attained will be determined by the evaluation of the density of the pavement. The density of the pavement shall be determined in accordance with WSDOT FOP for WAQTC TM 8, except that gauge correlation will be at the discretion of the Engineer, when using the nuclear density gauge and WSDOT SOP 736 when using cores to determine density.

Tests for the determination of the pavement density will be taken in accordance with the required procedures for measurement by a nuclear density gauge or Roadway cores after completion of the finish rolling.

If the Contracting Agency uses a nuclear density gauge to determine density the test procedures FOP for WAQTC TM 8 and WSDOT SOP T 729 will be used on the day the mix is placed and prior to opening to traffic.

Roadway cores for density may be obtained by either the Contracting Agency or the Contractor in accordance with WSDOT SOP 734. The core diameter shall be 4-inches



minimum, unless otherwise approved by the Engineer. Roadway cores will be tested by the Contracting Agency in accordance with WSDOT FOP for AASHTO T 166.

HMA mixture accepted by commercial evaluation and HMA constructed under conditions other than those listed above shall be compacted on the basis of a test point evaluation of the compaction train. The test point evaluation shall be performed in accordance with instructions from the Engineer. The number of passes with an approved compaction train, required to attain the maximum test point density, shall be used on all subsequent paving.

HMA for preleveling shall be thoroughly compacted. HMA that is used for preleveling wheel rutting shall be compacted with a pneumatic tire roller unless otherwise approved by the Engineer.

5-04.3(10)A HMA Compaction – General Compaction Requirements

Compaction shall take place when the mixture is in the proper condition so that no undue displacement, cracking, or shoving occurs. Areas inaccessible to large compaction equipment shall be compacted by other mechanical means. Any HMA that becomes loose, broken, contaminated, shows an excess or deficiency of asphalt, or is in any way defective, shall be removed and replaced with new hot mix that shall be immediately compacted to conform to the surrounding area.

The type of rollers to be used and their relative position in the compaction sequence shall generally be the Contractor's option, provided the specified densities are attained. Unless the Engineer has approved otherwise, rollers shall only be operated in the static mode when the internal temperature of the mix is less than 175°F. Regardless of mix temperature, a roller shall not be operated in a mode that results in checking or cracking of the mat. Rollers shall only be operated in static mode on bridge decks.

5-04.3(11) Reject Work

5-04.3(11)A Reject Work General

Work that is defective or does not conform to Contract requirements shall be rejected. The Contractor may propose, in writing, alternatives to removal and replacement of rejected material. Acceptability of such alternative proposals will be determined at the sole discretion of the Engineer. HMA that has been rejected is subject to the requirements in Section 1-06.2(2) and this specification, and the Contractor shall submit a corrective action proposal to the Engineer for approval.

5-04.3(11)B Rejection by Contractor

The Contractor may, prior to sampling, elect to remove any defective material and replace it with new material. Any such new material will be sampled, tested, and evaluated for acceptance.



5-04.3(11)C Rejection Without Testing (Mixture or Compaction)

The Engineer may, without sampling, reject any batch, load, or section of Roadway that appears defective. Material rejected before placement shall not be incorporated into the pavement. Any rejected section of Roadway shall be removed.

5-04.3(12) Joints

5-04.3(12)A HMA Joints

5-04.3(12)A1 Transverse Joints

The Contractor shall conduct operations such that the placing of the top or wearing course is a continuous operation or as close to continuous as possible. Unscheduled transverse joints will be allowed, and the roller may pass over the unprotected end of the freshly laid mixture only when the placement of the course must be discontinued for such a length of time that the mixture will cool below compaction temperature. When the Work is resumed, the previously compacted mixture shall be cut back to produce a slightly beveled edge for the full thickness of the course.

A temporary wedge of HMA constructed on a 20H:1V shall be constructed where a transverse joint as a result of paving or planing is open to traffic. The HMA in the temporary wedge shall be separated from the permanent HMA by strips of heavy wrapping paper or other methods approved by the Engineer. The wrapping paper shall be removed and the joint trimmed to a slightly beveled edge for the full thickness of the course prior to resumption of paving.

The material that is cut away shall be wasted and new mix shall be laid against the cut. Rollers or tamping irons shall be used to seal the joint.

5-04.3(12)A2 Longitudinal Joints

The longitudinal joint in any one course shall be offset from the course immediately below by not more than 6 inches nor less than 2 inches. All longitudinal joints constructed in the wearing course shall be located at a lane line or an edge line of the Traveled Way. A notched wedge joint shall be constructed along all longitudinal joints in the wearing surface of new HMA unless otherwise approved by the Engineer. The notched wedge joint shall have a vertical edge of not less than the maximum aggregate size or more than $\frac{1}{2}$ of the compacted lift thickness and then taper down on a slope not steeper than 4H:1V. The sloped portion of the HMA notched wedge joint shall be uniformly compacted.

5-04.3(12)B Bridge Paving Joint Seals

Bridge Paving Joint Seals shall be in accordance with Section 5-03.



5-04.3(13) Surface Smoothness

The completed surface of all courses shall be of uniform texture, smooth, uniform as to crown and grade, and free from defects of all kinds. The completed surface of the wearing course shall not vary more than $\frac{1}{8}$ inch from the lower edge of a 10-foot straightedge placed on the surface parallel to the centerline. The transverse slope of the completed surface of the wearing course shall vary not more than $\frac{1}{4}$ inch in 10 feet from the rate of transverse slope shown in the Plans.

When deviations in excess of the above tolerances are found that result from a high place in the HMA, the pavement surface shall be corrected by one of the following methods:

1. Removal of material from high places by grinding with an approved grinding machine, or
2. Removal and replacement of the wearing course of HMA, or
3. By other method approved by the Engineer.

Correction of defects shall be carried out until there are no deviations anywhere greater than the allowable tolerances.

When utility appurtenances such as manhole covers and valve boxes are located in the traveled way, the utility appurtenances shall be adjusted to the finished grade prior to paving. This requirement may be waived when requested by the Contractor, at the discretion of the Engineer or when the adjustment details provided in the project plan or specifications call for utility appurtenance adjustments after the completion of paving.

Utility appurtenance adjustment discussions will be included in the Pre-Paving and Pre-Planing Briefing (5-04.3(14)B3). Submit a written request to waive this requirement to the Engineer prior to the start of paving.

5-04.3(14) Planing Bituminous Pavement

The planing plan must be approved by the Engineer and a pre-planing meeting must be held prior to the start of any planing. See Section 5-04.3(14)B2 for information on planing submittals.

Where planing an existing pavement is specified in the Contract, the Contractor must remove existing surfacing material and to reshape the surface to remove irregularities. The finished product must be a prepared surface acceptable for receiving an HMA overlay.

Use the cold milling method for planing unless otherwise specified in the Contract. Do not use the planer on the final wearing course of new HMA.

Conduct planing operations in a manner that does not tear, break, burn, or otherwise damage the surface which is to remain. The finished planed surface must be slightly grooved or roughened and must be free from gouges, deep grooves, ridges, or other imperfections.



The Contractor must repair any damage to the surface by the Contractor's planing equipment, using an Engineer approved method.

Repair or replace any metal castings and other surface improvements damaged by planing, as determined by the Engineer.

A tapered wedge cut must be planed longitudinally along curb lines sufficient to provide a minimum of 4 inches of curb reveal after placement and compaction of the final wearing course. The dimensions of the wedge must be as shown on the Drawings or as specified by the Engineer.

A tapered wedge cut must also be made at transitions to adjoining pavement surfaces (meet lines) where butt joints are shown on the Drawings. Cut butt joints in a straight line with vertical faces 2 inches or more in height, producing a smooth transition to the existing adjoining pavement.

After planing is complete, planed surfaces must be swept, cleaned, and if required by the Contract, patched and preleveled.

The Engineer may direct additional depth planing. Before performing this additional depth planing, the Contractor must conduct a hidden metal in pavement detection survey as specified in Section 5-04.3(14)A.

5-04.3(14)A Pre-Planing Metal Detection Check

Before starting planing of pavements, and before any additional depth planing required by the Engineer, the Contractor must conduct a physical survey of existing pavement to be planed with equipment that can identify hidden metal objects.

Should such metal be identified, promptly notify the Engineer.

See Section 1-07.16(1) regarding the protection of survey monumentation that may be hidden in pavement.

The Contractor is solely responsible for any damage to equipment resulting from the Contractor's failure to conduct a pre-planing metal detection survey, or from the Contractor's failure to notify the Engineer of any hidden metal that is detected.

5-04.3(14)B Paving and Planing Under Traffic

5-04.3(14)B1 General

In addition, the requirements of Section 1-07.23 and the traffic controls required in Section 1-10, and unless the Contract specifies otherwise or the Engineer approves, the Contractor must comply with the following:

1. Intersections:



- a. Keep intersections open to traffic at all times, except when paving or planing operations through an intersection requires closure. Such closure must be kept to the minimum time required to place and compact the HMA mixture, or plane as appropriate. For paving, schedule such closure to individual lanes or portions thereof that allows the traffic volumes and schedule of traffic volumes required in the approved traffic control plan. Schedule work so that adjacent intersections are not impacted at the same time and comply with the traffic control restrictions required by the Traffic Engineer. Each individual intersection closure or partial closure must be addressed in the traffic control plan, which must be submitted to and accepted by the Engineer, see Section 1-10.2(2).
 - b. When planing or paving and related construction must occur in an intersection, consider scheduling and sequencing such work into quarters of the intersection, or half or more of an intersection with side street detours. Be prepared to sequence the work to individual lanes or portions thereof.
 - c. Should closure of the intersection in its entirety be necessary, keep such closure to the minimum time required to place and compact the HMA mixture, plane, remove asphalt, tack coat, and as needed.
 - d. Any work in an intersection requires advance warning in both signage and a number of Working Days advance notice as determined by the Engineer, to alert traffic and emergency services of the intersection closure or partial closure.
 - e. Allow new compacted HMA asphalt to cool to ambient temperature before any traffic is allowed on it. Traffic is not allowed on newly placed asphalt until approval has been obtained from the Engineer.
2. Temporary centerline marking, post-paving temporary marking, temporary stop bars, and maintaining temporary pavement marking must comply with Section 8-23.
 3. Permanent pavement marking must comply with Section 8-22.

5-04.3(14)B2 Submittals - Planing Plan and HMA Paving Plan

The Contractor must submit a separate planing plan and a separate paving plan to the Engineer at least 5 Working Days in advance of each operation's activity start date. These plans must show how the moving operation and traffic control are coordinated, as they will be discussed at the pre-planing briefing and pre-paving briefing. When requested by the Engineer, the Contractor must provide each operation's traffic control plan on 24 x 36 inch or larger size Shop Drawings with a scale showing both the area of operation and sufficient detail of traffic beyond the area of operation where detour traffic may be required. The scale on the Shop Drawings is 1 inch = 20 feet, which may be changed if the Engineer agrees sufficient detail is shown.



The planing operation and the paving operation include, but are not limited to, metal detection, removal of asphalt and temporary asphalt of any kind, tack coat and drying, staging of supply trucks, paving trains, rolling, scheduling, and as may be discussed at the briefing.

When intersections will be partially or totally blocked, provide adequately sized and noticeable signage alerting traffic of closures to come, a minimum 2 Working Days in advance. The traffic control plan must show where police officers will be stationed when signalization is or may be, countermanded, and show areas where flaggers are proposed.

At a minimum, the planing and the paving plan must include:

1. A copy of the accepted traffic control plan, see Section 1-10.2(2), detailing each day's traffic control as it relates to the specific requirements of that day's planing and paving. Briefly describe the sequencing of traffic control consistent with the proposed planing and paving sequence, and scheduling of placement of temporary pavement markings and channelizing devices after each day's planing, and paving.
2. A copy of each intersection's traffic control plan.
3. Haul routes from supplier facilities, and locations of temporary parking and staging areas, including return routes. Describe the complete round trip as it relates to the sequencing of paving operations.
4. Names and locations of HMA supplier facilities to be used.
5. List of all equipment to be used for paving.
6. List of personnel and associated job classification assigned to each piece of paving equipment.
7. Description (geometric or narrative) of the scheduled sequence of planing and of paving and intended area of planing and of paving for each day's work, must include the directions of proposed planing and of proposed paving, sequence of adjacent lane paving, sequence of skipped lane paving, intersection planing and paving scheduling and sequencing, and proposed notifications and coordinations to be timely made. The plan must show HMA joints relative to the final pavement marking lane lines.
8. Names, job titles, and contact information for field, office, and plant supervisory personnel.
9. A copy of the approved Mix Designs.
10. Tonnage of HMA to be placed each day.
11. Approximate times and days for starting and ending daily operations.



5-04.3(14)B3 Pre-Paving and Pre-Planing Briefing

At least 2 Working Days before the first paving operation and the first planing operation, or as scheduled by the Engineer for future paving and planing operations to ensure the Contractor has adequately prepared for notifying and coordinating as required in the Contract, the Contractor must be prepared to discuss that day's operations as they relate to other entities and to public safety and convenience, including driveway and business access, garbage truck operations, transit operations and working around energized overhead wires, school and nursing home and hospital and other accesses, other Contractors who may be operating in the area, pedestrian and bicycle traffic, and emergency services. The Contractor, and Subcontractors that may be part of that day's operations, must meet with the Engineer and discuss the proposed operation as it relates to the submitted planing plan and paving plan, approved traffic control plan, and public convenience and safety. Such discussion includes, but is not limited to:

1. General for both the Paving and Planing:
 - a. The actual times of starting and ending daily operations.
 - b. In intersections, how to break up the intersection, and address traffic control and signalization for that operation, including use of peace officers.
 - c. The sequencing and scheduling of paving operations and of planing operations, as applicable, as it relates to traffic control, public convenience and safety, and other Contractors who may operate in the Project limits.
 - d. Notifications required of Contractor activities and coordinating with other entities and the public as necessary.
 - e. Description of the sequencing of installation and types of temporary pavement markings as it relates to planning and paving.
 - f. Description of the sequencing of installation of, and the removal of, temporary pavement patch material around exposed castings and as may be needed.
 - g. Description of procedures and equipment to identify hidden metal in the pavement, such as survey monumentation, monitoring wells, streetcar rail, and castings, before planing as per Section 5-04.3(14)B2.
 - h. Description of how flaggers will be coordinated with the planing, paving, and related operations.
 - i. Description of sequencing of traffic controls for the process of rigid pavement base repairs.
 - j. Other items the Engineer deems necessary to address.



2. Paving – additional topics:

- a. When to start applying tack and coordinating with paving.
- b. Types of equipment and numbers of each type of equipment to be used. If more pieces of equipment than personnel are proposed, describe the sequencing of the personnel operating the types of equipment. Discuss the continuance of operator personnel for each type of equipment as it relates to meeting Specification requirements.
- c. Number of JMFs to be placed, and if more than one JMF is used, how the Contractor will ensure different JMFs are distinguished, how pavers and how MTVs are distinguished, and how pavers and MTVs are cleaned so that one JMF does not adversely influence the other JMF.
- d. Description of contingency plans for that day's operations such as equipment breakdown, rain out, and supplier shutdown of operations.
- e. Number of sublots to be placed, sequencing of density testing, and other sampling and testing.

5-04.3(15) Sealing Pavement Surfaces

Apply a fog seal where shown in the plans. Construct the fog seal in accordance with Section 5-02.3. Unless otherwise approved by the Engineer, apply the fog seal prior to opening to traffic.

6-02 Concrete Structures

6-02.3(14) Finishing Concrete Surfaces

Supplement this section with the following:

The completed surface shall be of uniform texture, smooth, uniform as to grade, and free from defects of all kinds. The completed surface shall not vary more than 1/8-inch from the lower edge of a 10-foot straightedge placed on the surface parallel to the centerline.

The finish shall be a light broom finish, or as noted in the City of Cle Elum Standard Plans, or as approved by the Public Works Director. A non-uniform finish, an overworked finish, a finish where a cement layer has formed, discolored, is spalling, or a finish damaged by the weather, will not be accepted, and shall be replaced at the Contractor's expense.



8-04 Curbs, Gutters, and Spillways

8-04.3 Construction Requirements

Supplement this section with the following:

Testing requirements shall be as follows:

Project Quantity	Test Requirement
Less than 5 CY	None
5 CY – 10 CY	1 Slump, 4 Cylinders
10+ CY	2 Slump, 4 Cylinders per 25 CY

For project quantities above five (5) cubic yards, test requirements shall be based on concrete placed during one (1) working day. If the concrete fails any test, the Public Works Director will require additional testing to determine the extent of the failure and more frequent tests may be required on additional concrete being placed. Testing and samples shall be in accordance with Section 1-06.2(1).

Regardless of quantity, a Certification of Compliance shall be provided for all concrete delivered to the site in accordance with Section 6-02.3(5)B.

8-04.3(1) Cement Concrete Curbs, Gutters, and Spillways

Supplement this section with the following:

Cement concrete traffic curb and gutter shall be as shown on the City's Standard Plans. Full Height or "Barrier" cement concrete traffic curb and gutter as shown shall be used on the roadway as shown on the Plans. Depressed or "Driveway" cement concrete traffic curb and gutter as shown shall be used at all driveway entrances and sidewalk ramp locations as shown on the Plans and as directed in the field by the City. Mountable or "Rolled" curb may be used on the Local Access roadway as shown on the Plans. Cement concrete curb and gutter which does not comply with the City's details shall be removed and replaced at the Contractor's expense.

A template shall be required to be placed at the back of curb for construction of driveway transitions from Barrier to Driveway or Rolled curb and gutter. The template shall extend from the bottom of curb to the top of the curb and shall have a minimum length to provide a maximum slope of 8.3%. The transition shall be no less than six (6) feet long. When the transition is on a street with a steep grade making the 8.3% maximum slope unachievable, the transition length shall be 15 feet. The Contractor shall also be required to use a template at the back of Driveway/Depressed curb and gutter to ensure a straight and uniform back of curb in conformance with the Standard Plan.

The new concrete curb and gutter shall be cured in accordance with Section 5-05.3(13)A of the Standard Specifications. Application of the curing compound shall be in accordance with the manufacturer's recommendations.



Cement concrete curb and gutter which does not comply with the section details on the Plans, or in the Engineer's opinion does not demonstrate first-class workmanship and finish, shall be removed and replaced at the Contractor's expense. Should the Contractor's equipment or methods be unable to produce curb and gutter meeting the requirements of the Details and specifications, no further curb and gutter construction will be allowed until corrections have been made to said equipment or methods.

8-06 Cement Concrete Driveway Entrances

8-06.3 Construction Requirements

Supplement this section with the following:

The concrete driveway entrance/sidewalk shall be six (6) inches in thickness. Both the curb and gutter as well as the sidewalk portion must comply the requirement of 8-04.3(1). Class 4000 air entrained concrete conforming to the Section 6-02 shall be required.

8-14 Cement Concrete Sidewalks

8-14.3 Construction Requirements

Supplement this section with the following:

Testing requirements shall be as follows:

Project Quantity	Test Requirement
Less than 5 CY	None
5 CY – 10 CY	1 Slump, 4 Cylinders
10+ CY	2 Slump, 4 Cylinders per 25 CY

For project quantities above five (5) cubic yards, test requirements shall be based on concrete placed during one (1) working day. If the concrete fails any test, the Public Works Director will require additional testing to determine the extent of the failure and more frequent tests may be required on additional concrete being placed. Testing and samples shall be in accordance with Section 1-06.2(1).

Regardless of quantity, a Certification of Compliance shall be provided for all concrete delivered to the site in accordance with Section 6-02.3(5)B.

8-14.3(3) Placing and Finishing Concrete

Supplement this section with the following:

All sidewalks not located in driveway entrance areas shall be four (4) inches in thickness. All concrete approaches located behind a depressed curb and gutter section



including wings, or behind a mountable curb and gutter section, shall be six (6) inches in thickness.

Sidewalks shall be scored across the entire width every five (5) feet and with preformed asphalt impregnated joint fillers 3/8-inch thick every twenty (20) feet. When sidewalk width exceeds six (6) feet, a longitudinal joint shall split the width (eg. 10-foot wide sidewalk shall have a longitudinal joint at five (5) feet). Concrete sidewalk shall be cured in accordance with Section 5-05.3(13)A of the Standard Specifications. Application of the curing compound shall be in accordance with the manufacturer's recommendations. Failure to properly cure or seal the cement concrete sidewalk will require the Contractor to remove and replace the sidewalk section at his expense.

Sidewalk ramps shall be constructed as shown on the Plans in accordance with the Standard Plans or as shown otherwise in the Details.

Cement concrete sidewalk which does not comply with the section details on the Plans, or in the Engineer's opinion does not demonstrate first-class workmanship and finish, shall be removed and replaced at the Contractor's expense. Should the Contractor's equipment or methods be unable to produce sidewalk meeting the requirements of the Plans and Specifications, no further sidewalk construction will be allowed until corrections have been made to said equipment or methods.

The finish shall be a light broom finish, or as noted in the plans, or as approved by the Engineer. A non-uniform finish, an overworked finish, a finish where a cement layer has formed, discolored, is spalling, or a finish damaged by the weather, will not be accepted, and shall be replaced at the Developer's expense.

8-20 Illumination, Traffic Signal Systems, and Electrical

8-20.2 Materials

Supplement this section with the following:

The provisions of Section 9-29 shall apply, except for the following modifications or additions:

Conduit: Below grade conduit shall be Schedule 40 PVC, conforming to NEMA TC 2. When the conductors are pulled, pull tape shall also be pulled with the conductor and left for future use. Pull tape shall be installed in all conduits, in-use and spares alike.

Light Standards: Poles and arms shall be hot-dipped galvanized over their entire surface per ASTM A-123. Anchor bolts, nuts, and washers shall be hot-dipped galvanized over their entire length per ASTM A-153. All poles, arms and accessories shall be furnished by the same manufacturer.

Luminaire poles shall have ten (10) foot arms and provide a nominal fixture mounting height of thirty-five (35) feet. Arms shall be Valmont DS-210, Union Metal 71049-



B48, or Ameron Series N. The pole base shall be of the “fixed” type. Handholes shall be 4 inches by 6-1/2 inches, located 18 inches above the base, turned toward the street. A ½-inch NC ground stud shall be located inside the handhole.

Accessories shall include anchor bolts (each with heavy hex nuts and washers) as sized by the manufacturer, bolt templates, full base covers, and removable pole end caps.

Luminaires: LED luminaires shall be standard 4000k, minimum 100W, 120-277V, without individual photoelectric controls. Luminaires shall be Signify Lumec Roadfocus RFM G2 Series, Leotek GCM H-Series, GE Evolve ERS Series, or approved equal.

Service Cabinets: A 200 AMP pad-mounted service cabinet type EUSERC 308 with photocell in window, as approved by Puget Sound Energy (PSE). All coordination and expenses with PSE for the new service will be the Developer’s responsibility. Once the new service is installed and accepted by the City, the meter shall be transferred to the City of Cle Elum.

As an alternative to a Developer-installed illumination system, the Developer may request from the City approval of PSE to design and install illumination through the City’s Master Lighting Agreement with PSE. Under this election, PSE will design and install the system, and the Developer will pay all associated costs including but not limited to PSE, City, and City’s consultants.

8-20.3 Construction Requirements

8-20.3(1) General

Supplement this section with the following:

Prior to installation, the Contractor shall inform the City when the luminaire equipment has arrived on-site. The City will compare the supplied luminaire equipment to these Design and Construction Standards prior to installation and must be present during installation to check for socket settings and luminaire head orientation.

The Contractor is responsible for coordinating with the Department of Labor and Industries, the Engineer, and Puget Sound Energy for all required inspections and service.

8-20.3(2) Excavating and Backfill

Delete the first paragraph and replace it with the following:

The excavation required for the installation of conduit, cement concrete anchor bases, and pullboxes shall be performed in such a manner as to cause the least possible injury to streets, sidewalks, and other improvements. The trenches shall not



be excavated wider than necessary for the proper installation of the conduit and pullboxes. Anchor base excavation shall be augered or dug by hand with proper care to avoid damage to other utilities. Excavation shall not be performed until immediately prior to installation of conduit and/or structures. The material from the excavation shall be placed so as to cause the least interference to vehicular and pedestrian traffic and to surface drainage. All surplus excavated material shall be removed and disposed of by the Contractor. Backfilling shall be as shown on the Plans and shall conform to the provisions specified herein. Compaction of conduit trenches and structure backfill shall be accomplished by a method which will result in backfill compacted to at least 95 percent of maximum density.

8-20.3(4) Foundations

Supplement this section with the following:

The top six inches (anchor base) of the concrete foundation shall be formed and finished 24-inches square with 3/4-Inch chamfer edges, and the top shall be at finish sidewalk grade. The anchor base shall be separated from adjacent concrete surfaces by means of expansion joints. Forms for the anchor bases shall be true to line and grade and the conduit ends and anchor bolts shall be held in proper position and height by means of a temporary template. After standards are plumbed, the Contractor shall grout between the base plate and anchor base as shown on the Plans.

Precast bases meeting contract requirements are acceptable for use. If the Contractor elects to use precast bases, the Contractor shall furnish, install, and compact six (6) inches of crushed surfacing top course below the base, and backfill/compact around the sides with clean native material or crushed surfacing as directed. The precast base top shall be set six inches below finish sidewalk grade and a six-inch depth concrete pad with 3/4-inch chamfer edges shall be formed and finished at the ground surface as shown on the Plans. The concrete pad shall be separated from adjacent concrete surfaces by means of expansion joints. All requirements pertaining to use of precast bases shall be considered as incidental work to the various bid items and no separate payment will be made.

8-20.3(5) Conduit

Supplement this section with the following:

The ends of conduits for future connection shall be marked with an 8' treated 2x4 inside of an 8' steel stud, painted red, extending 24"-36" above finished ground surface.

8-20.3(6) Junction Boxes, Cable Vaults, and Pull boxes

Replace the first paragraph with the following:

The terms "pullbox" and "junction box" are considered interchangeable.



Pullboxes shall be constructed as shown on the Plans and in accordance with Standard Plan J-40.10 Type 1. The pullboxes shall be installed true to line and grade. The pullboxes shall be placed where shown on Plans and shall be separated from other concrete surfaces by an expansion joint.

8-20.3(10) Electrical Service

Supplement this section with the following:

A 120/240 V single phase electrical service shall be provided as determined by the City. The Contractor shall coordinate the final location of the service with the local electrical utility company and City. A State electrical permit will be required for the service. All wiring and equipment shall be in conformance with the appropriate electrical codes.

All of the work shall meet the requirements of Puget Sound Energy and the National Electric Code. The Contractor shall provide conduits to the proposed service locations shown on the Plans and shall coordinate the location of the service(s) with Puget Sound Energy.

8-20.3(13)A Light Standards

Supplement this section with the following:

Light standards shall have base flanges requiring four (4) anchor bolts for connection to foundation. Anchor bolt covers shall be provided on all light standards.

8-21 Permanent Signing

8-21.2 Materials

Supplement this section with the following:

Sign posts for permanent traffic control signing shall be 2"x2" 12-gauge perforated steel tubing. Socket sleeves for the sign post shall be 2-1/4"x 2-1/4"x30" 12-gauge perforated steel tubing.

8-21.3 Construction Requirements

Supplement this section with the following:

Socket sleeves for sign posts shall be set in 12" diameter x 12" deep base of class 3000 cement concrete at finish grade so that erected signs will be plumb with roadway/sidewalk. The Contractor shall correct any misaligned socket sleeves at his own expense.



8-22 Pavement Marking

8-22.1 Description

Supplement this section with the following:

This work includes temporary pavement markings, which shall be installed per the material and construction requirements of Section 8-22.

8-22.2 Materials

Supplement this section with the following:

All arrows, letters, symbols, stop lines, and crosswalks shall be Plastic Type B (125 mil. thickness). Centerline(s), lane line(s), and parking markings shall be painted, two (2) coats.

8-22.3(3)E Installation

Supplement this section with the following:

All pavement lines over 50 feet long shall be applied using a truck mounted striping machine.

8-30 Controlled Density Fill (New Section)

The following new section shall be added to the Standard Specifications:

8-30.1 Description

Controlled Density Fill (CDF) may be required for street crossings by the Public Works Director. It shall be a mixture of Portland Cement, fly ash, aggregate, water, and admixtures proportioned to provide a non-segregating, self-consolidating, free-flowing material which will result in a hardened, dense, non-settling fill.

8-30.2 Materials

Materials shall meet the requirements of the following Sections of the Standard Specifications:

Portland Cement	9-01 Type II
Fly Ash	Class F or C
Aggregates	9-03.1
Water	9-25
Admixtures	9-23.6



8-30.3 Construction Requirements

8-30.3(1) Construction Materials

The CDF shall be a mixture of Portland Cement, fly ash, aggregate, water, and admixtures which has been batched and mixed in accordance with Section 6-02.3 of the Standard Specifications.

The following mix provides a guideline for proportioning the Controlled Density Fill for this project. The final mix provided by the Contractor shall result in a material which is excavatable by machine with a maximum unconfined compressive strength of 300 psi.

Water	50 gals per cubic yard
Cement	50 lbs per cubic yard
Fly Ash	250 lbs per cubic yard
Aggregate	3,200 lbs per cubic yard

The above table provides a guideline for the CDF mixture. The weights shown are only an estimate of the amount to be used per cubic yard of CDF. Actual amounts may vary from those shown as approved by the City or approved mix data from similar projects which provided proper strength, workability, consistency, and density.

8-30.3(7) Placing Controlled Density Fill

The floatable CDF shall be placed in the trench area where directed by the City and brought up uniformly to the top of the pipe zone backfill as shown on the Plans. In the cases where existing concrete slabs have been undermined by excavation, the Contractor shall ensure that the CDF is flowed completely under the slab.

Mixing and placing may be started if weather conditions are favorable, when the temperature is at least 34°F and rising. At the time of placement, CDF must have a temperature of at least 40°F. Mixing and placing shall stop when the temperature is 38°F and falling. Each filling stage shall be as continuous an operation as practicable. CDF shall not be placed on frozen ground.

The trench section to be filled with CDF shall be contained at either end of trench section by bulkhead or earth fill.

Appendix A - Transfer of Ownership Forms

TRANSFER OF OWNERSHIP OF UTILITY SYSTEM

(Individual)

_____, owner(s), do(es) hereby transfer(s), deliver(s) and relinquish(es) to the City of Cle Elum, Washington, all right, title and interest in, and ownership of, the following described utility system:

The undersigned owner(s) agree (s) and understand(s) that this transfer of ownership of the above described Public Facilities to the City of Cle Elum is subject to the conditions of the 3rd paragraph of Section 1-05.12 Final Acceptance, of the latest edition of the Standard Specifications for Road, Bridge, and Municipal Construction, Washington State Department of Transportation.

This Transfer of Ownership of Utility System shall be effective only upon the City's final approval and acceptance of the utility system.

Signature

Written Name and Date

STATE OF WASHINGTON
Kittitas County

I certify that I know or have satisfactory evidence that _____
and _____ (is/are) the person(s) who personally appeared before me
and that said person(s) acknowledged that (he/she/they) signed this instrument, and
acknowledged it to be (his/her/their) free and voluntary act and for the uses and purposes
mentioned in the instrument.

Dated: _____

Given under my hand and official seal the day and year last written.

Notary Public in and for the State of Washington

residing at _____

My Commission expires _____

TRANSFER OF OWNERSHIP OF UTILITY SYSTEM
(Corporate)

_____, owner(s), do(es) hereby transfer(s), deliver(s) and relinquish(es) to the City of Cle Elum, Washington, all right, title and interest in, and ownership of, the following described utility system:

The undersigned owner(s) agree (s) and understand(s) that this transfer of ownership of the above described Public Facilities to the City of Cle Elum is subject to the conditions of the 3rd paragraph of Section 1-05.12 Final Acceptance, of the latest edition of the Standard Specifications for Road, Bridge, and Municipal Construction, Washington State Department of Transportation.

This Transfer of Ownership of Utility System shall be effective only upon the City's final approval and acceptance of the above described Public Facilities.

Signature

Written Name and Date

STATE OF WASHINGTON
Kittitas County

I certify that I know or have satisfactory evidence that _____ is the person who appeared before me, and said person acknowledged that he signed this instrument, on oath stated that he was authorized to execute the instrument, and acknowledged it as the _____ of _____ to be the free voluntary act of such party for the uses and purposes mentioned in the instrument.

Dated: _____

Given under my hand and official seal the day and year last written.

Notary Public in and for the State of Washington

Residing at _____

My Commission Expires _____

Appendix B - Standard Details

Water Details

- W-1 – Water Main Trench Section
- W-2 – Water Valve Box
- W-3 – Fire Hydrant Assembly
- W-4 – Concrete Thrust Blocking
- W-5 – Air Release / Vacuum Valve Assembly
- W-6 – New Water Service (1" or Smaller)
- W-7 – New Water Service (1-1/2" to 2")
- W-8 – Blow-Off Assembly – Above Ground
- W-8A – Blow-Off Assembly – Below Ground
- W-9 – Irrigation Backflow Preventer
- W-10 – Hydrant Guard Post and Concrete Pad
- W-11 – Double Detector Check Valve Assembly

Sewer Details

- SS-1 – Storm/Sewer Pipe Trench Section
- SS-2 – Manhole - Type 1
- SS-3 – Manhole Safety Step
- SS-4 – Sanitary Sewer Cleanout
- SS-5 – Drop Connection – Outside Manhole
- SS-6 – Manhole Adjustment
- SS-7 – Side Sewer Connection
- SS-8 – Shallow Manhole - Type 3
- SS-9 – Doghouse Manhole

Street Details

- ST-1 – Roadway Section – Arterial/Major Collector
- ST-2 – Roadway Section – Local Access (No Parking Allowed)
- ST-3 – Roadway Section – Local Access (On Street Parking Allowed)
- ST-4 – Roadway Section – Alley
- ST-5 – Concrete Curb and Gutter
- ST-6 – Concrete Sidewalk Sections
- ST-7 – Sidewalk Jointing
- ST-8 – Asphalt Sidewalk Ramp
- ST-9 – Residential Driveway Approach
- ST-10 – Commercial Driveway Approach
- ST-11 – Commercial Driveway Approach - Alt.
- ST-12 – Trench Surfacing Repair
- ST-13 – Monument Detail
- ST-14 – Cul-de-Sac Layout
- ST-15 – Permanent Bollard
- ST-16 – Corner Lot Vision Clearance

Stormwater Details

D-1 – Catch Basin - Type 1/1L

D-2 – Infiltration System

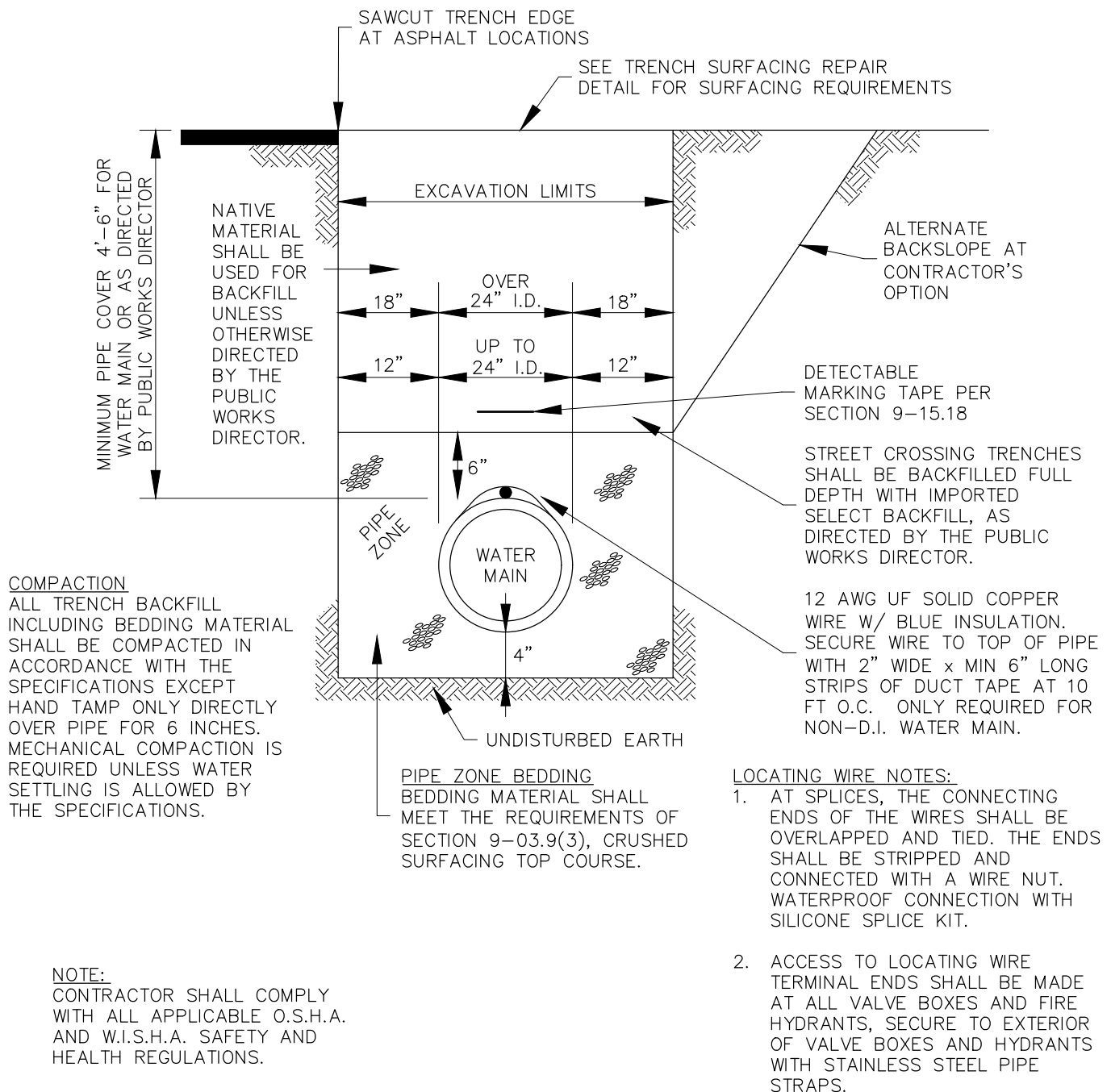
D-3 – Oil/Water Separator

Electrical Details (New Section)

E-1 – Conduit Trench Section

E-2 – Conduit Entrance at Junction Box

E-3 – Street Light



WATER MAIN TRENCH SECTION

NOT TO SCALE

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS, SHALL BE USED.



1	9-12-24	CONSTRUCTION STANDARDS UPDATE
0	1-21-02	ORIGINAL
REV.	DATE	DESCRIPTION

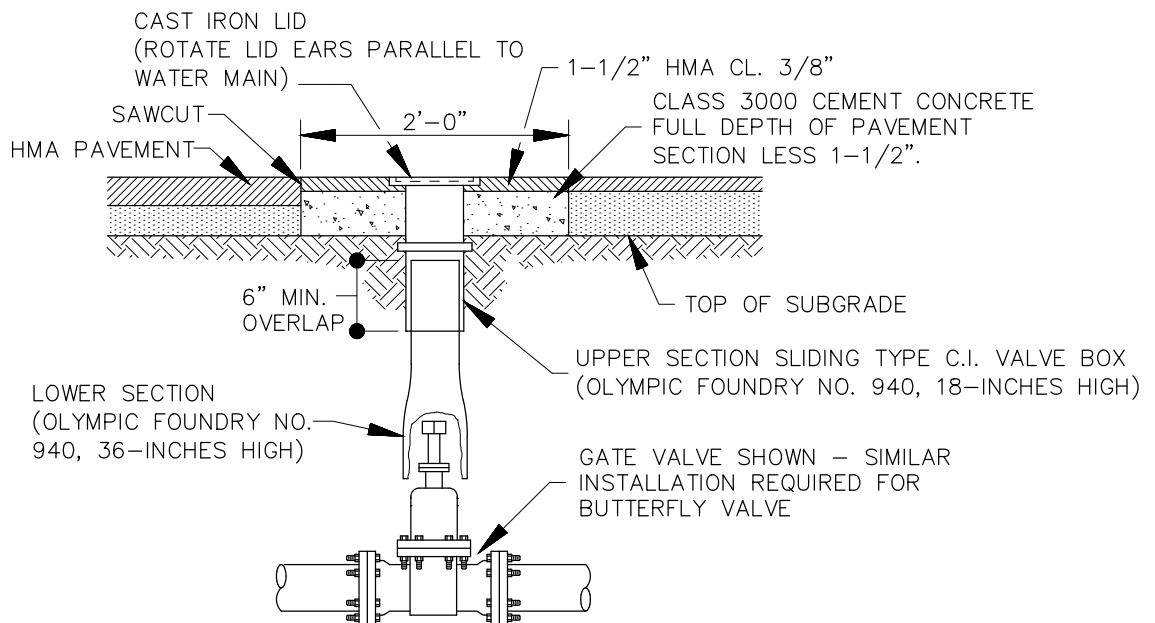
UTILITY:
WATER

DETAIL NO.:
W-1

CITY OF CLE ELUM

STANDARD DETAIL

WATER MAIN TRENCH SECTION

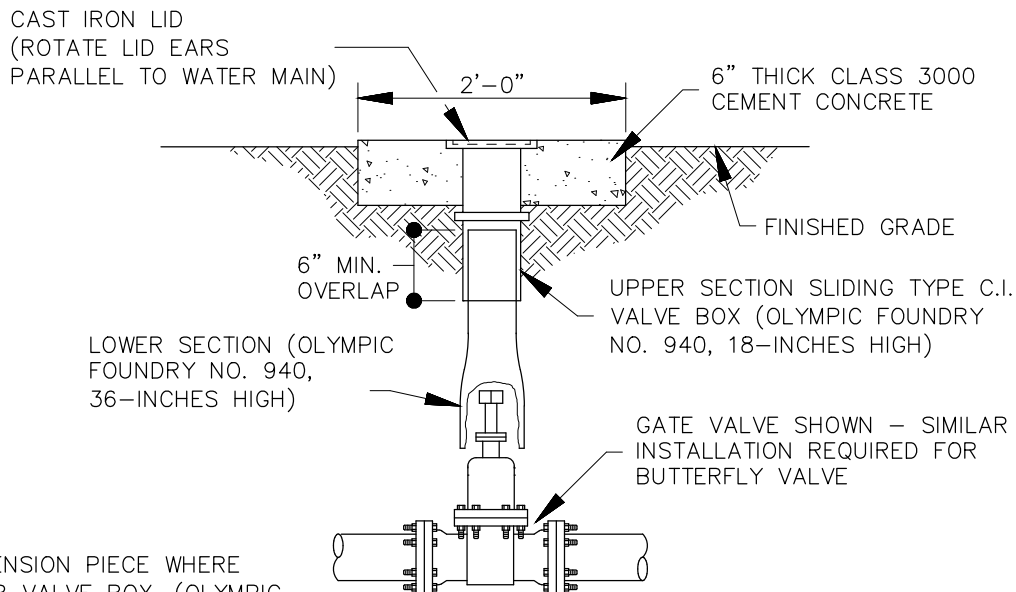


NOTE:

PROVIDE EXTENSION PIECE WHERE
REQUIRED FOR VALVE BOX. (OLYMPIC
FOUNDRY NO. 940R 12, 12-INCHES HIGH)

WATER VALVE BOX - IN PAVEMENT

NOT TO SCALE



NOTE:

PROVIDE EXTENSION PIECE WHERE
REQUIRED FOR VALVE BOX. (OLYMPIC
FOUNDRY NO. 940, 12-INCHES HIGH)

WATER VALVE BOX - NOT IN PAVEMENT

NOT TO SCALE

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE
DIRECTOR OF PUBLIC WORKS, SHALL BE USED.



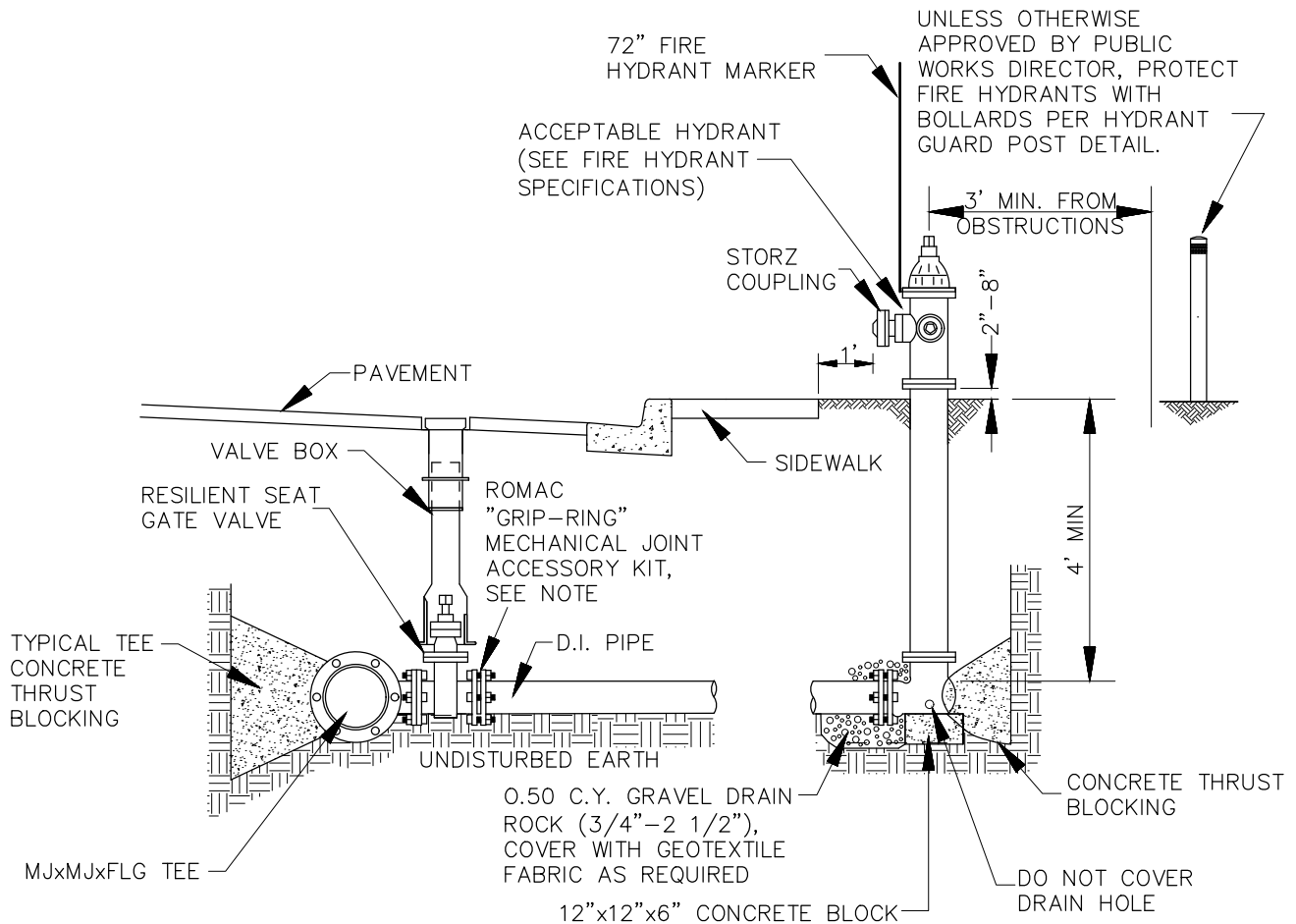
1	9-12-24	CONSTRUCTION STANDARDS UPDATE
0	1-21-02	ORIGINAL
REV.	DATE	DESCRIPTION

UTILITY:
WATER

DETAIL NO.:
W-2

CITY OF CLE ELUM

STANDARD DETAIL
WATER VALVE BOX



NOTES:

1. ROMAC "GRIP RING" MECHANICAL JOINT ACCESSORY KITS SHALL BE USED ON ALL MECHANICAL JOINT CONNECTIONS FROM VALVE TO HYDRANT.
2. HYDRANTS SHALL BE HOODED UNTIL OPERATIONAL.

FIRE HYDRANT ASSEMBLY

NOT TO SCALE

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS, SHALL BE USED.

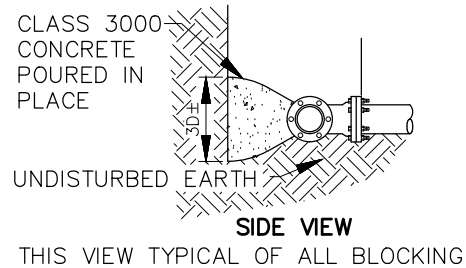
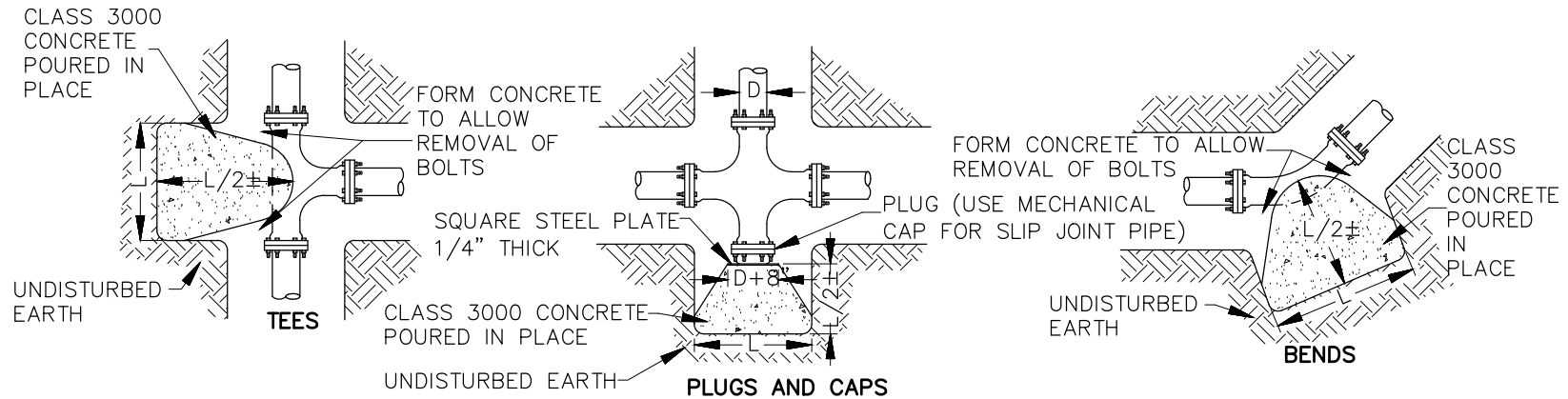


1	9-12-24	CONSTRUCTION STANDARDS UPDATE
0	3-01-02	ORIGINAL
REV.	DATE	DESCRIPTION

UTILITY:
WATER

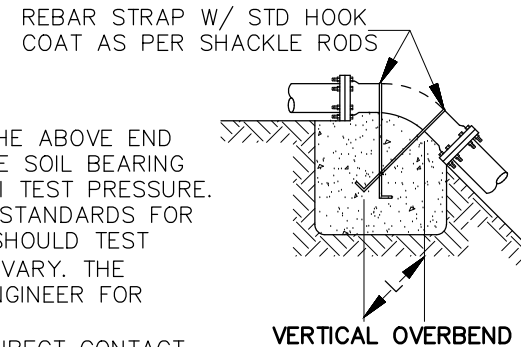
DETAIL NO.:
W-3

CITY OF CLE ELUM
STANDARD DETAIL
FIRE HYDRANT ASSEMBLY



NOTES:

1. D IS APPROXIMATE PIPE DIAMETER. THE ABOVE END AREAS ARE BASED ON AN ALLOWABLE SOIL BEARING PRESSURE OF 1500 PSF AND 250 PSI TEST PRESSURE.
2. DIMENSIONS LISTED DENOTE MINIMUM STANDARDS FOR SOIL AND TEST PRESSURES SHOWN. SHOULD TEST PRESSURE AND/OR SOIL CONDITIONS VARY. THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR SPECIAL THRUST BLOCK DESIGN.
3. ALL FITTINGS AND/OR PIPE MAKING DIRECT CONTACT WITH CONCRETE SHALL BE WRAPPED WITH 4 MIL POLYETHYLENE SHEETING PRIOR TO PLACEMENT OF CONCRETE.



MINIMUM END AREAS				
PIPE SIZE (D)	TEES & PLUGS	90° BENDS	45° BENDS	11¼° AND 22½° BENDS
6"	5.1 SQ FT	7.2 SQ FT	3.9 SQ FT	2.0 SQ FT
8"	8.8 SQ FT	12.4 SQ FT	6.7 SQ FT	3.4 SQ FT
10"	14.3 SQ FT	20.2 SQ FT	11.0 SQ FT	5.6 SQ FT
12"	20.4 SQ FT	28.9 SQ FT	15.7 SQ FT	7.9 SQ FT
14"	27.7 SQ FT	39.2 SQ FT	21.2 SQ FT	10.7 SQ FT
16"	35.8 SQ FT	51.2 SQ FT	27.5 SQ FT	13.9 SQ FT

VERTICAL OVERBEND				
PIPE SIZE (D)	22½° BEND	45° BEND	REBAR SIZE	L
6"	20 CU FT	39 CU FT	#5	2.0 FT
8"	34 CU FT	67 CU FT	#5	2.0 FT
10"	56 CU FT	110 CU FT	#5	2.0 FT
12"	79 CU FT	157 CU FT	#6	2.5 FT
14"	107 CU FT	212 CU FT	#7	3.0 FT
16"	139 CU FT	275 CU FT	#9	4.0 FT

CONCRETE THRUST BLOCKING

NOT TO SCALE

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS, SHALL BE USED.

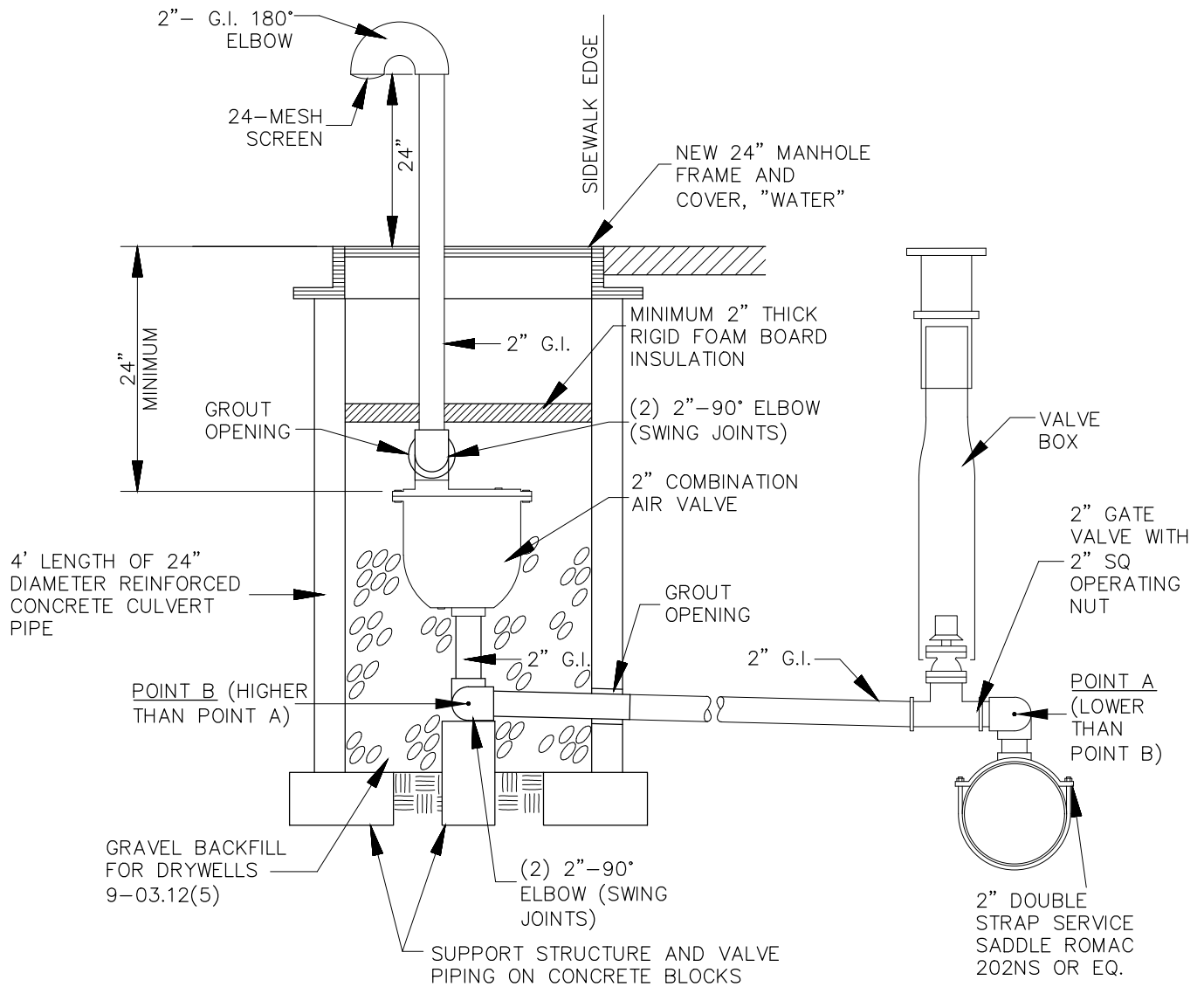


REV.	DATE	DESCRIPTION
1	9-12-24	CONSTRUCTION STANDARDS UPDATE
0	1-21-02	ORIGINAL

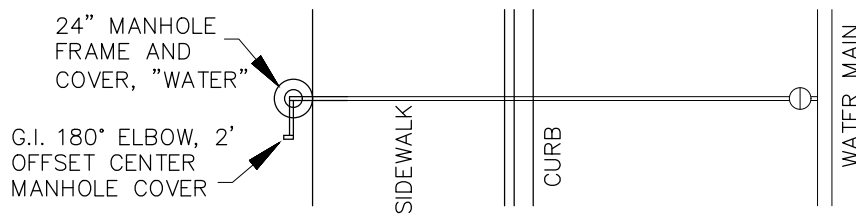
UTILITY:
WATER

DETAIL NO.:
W-4

CITY OF CLE ELUM
STANDARD DETAIL
CONCRETE THRUST BLOCKING



SECTION VIEW



PLAN VIEW SCHEMATIC

AIR RELEASE / VACUUM VALVE ASSEMBLY

NOT TO SCALE

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS, SHALL BE USED.



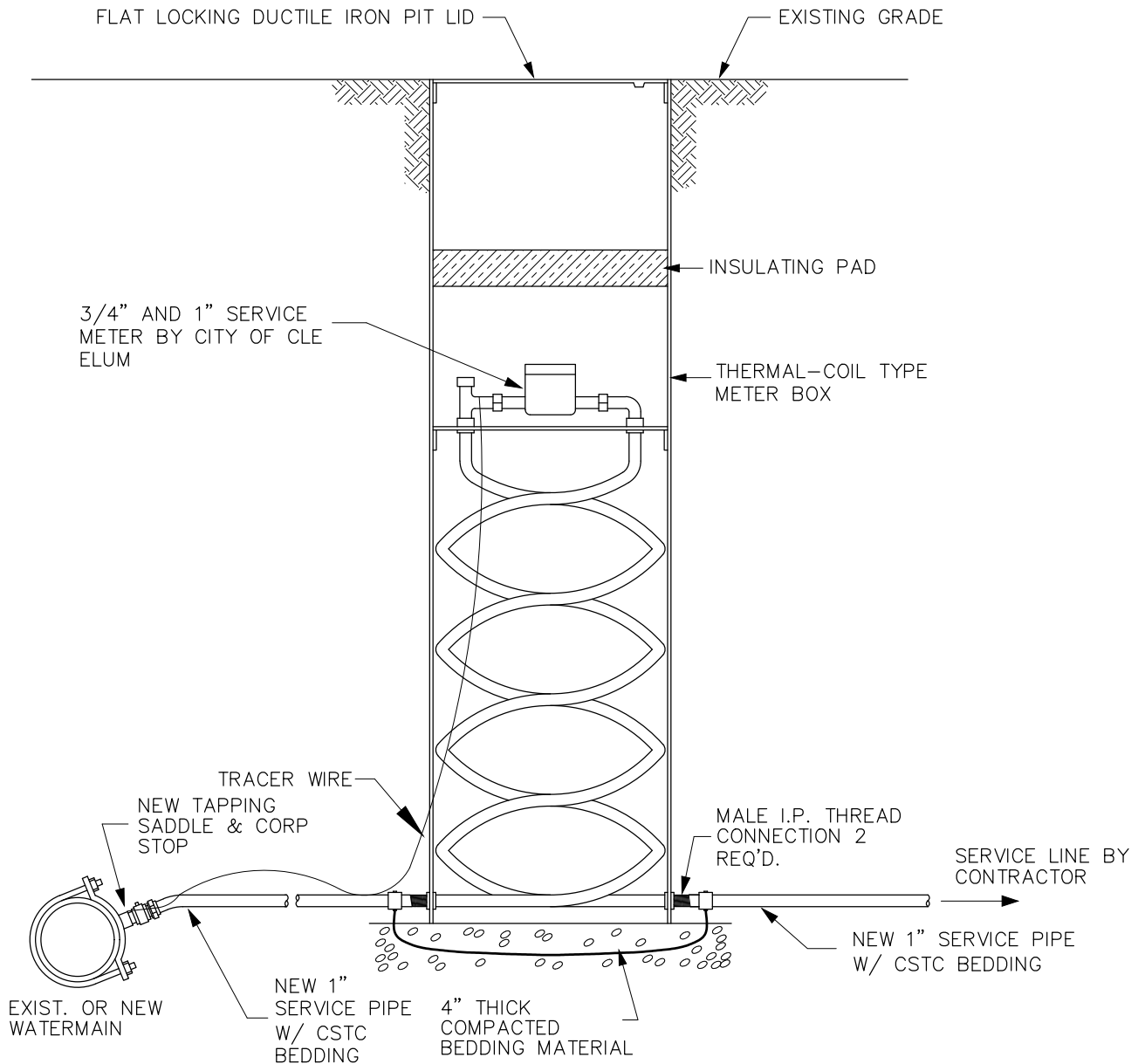
3	9-12-24	CONSTRUCTION STANDARDS UPDATE
2	12-5-14	MESH SCREEN - DOH
1	2-23-04	NEW OUTLET; MISC. REVISIONS
0	1-21-02	ORIGINAL
REV.	DATE	DESCRIPTION

UTILITY:
WATER

DETAIL NO.:
W-5

CITY OF CLE ELUM

STANDARD DETAIL
AIR RELEASE / VACUUM VALVE ASSEMBLY



NOTES:

1. ALL NEW 3/4" AND 1" METERS WILL BE FURNISHED AND INSTALLED BY THE CITY, AT THE DEVELOPER'S EXPENSE.
2. METER BOX COVERS SHALL BE DUCTILE IRON FOR ALL AREAS.
3. FUTURE WATER SERVICES (STUBS) SHALL BE MARKED AT THE PROPERTY LINE PER THE SPECIFICATIONS AND EXTEND 5' - 10' BEYOND PROPERTY LINE AND CAPPED.
4. SEE CONSTRUCTION STANDARDS FOR ALL MATERIAL TYPES AND MODELS.

NEW WATER SERVICE (1" OR SMALLER)

NOT TO SCALE

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS, SHALL BE USED.

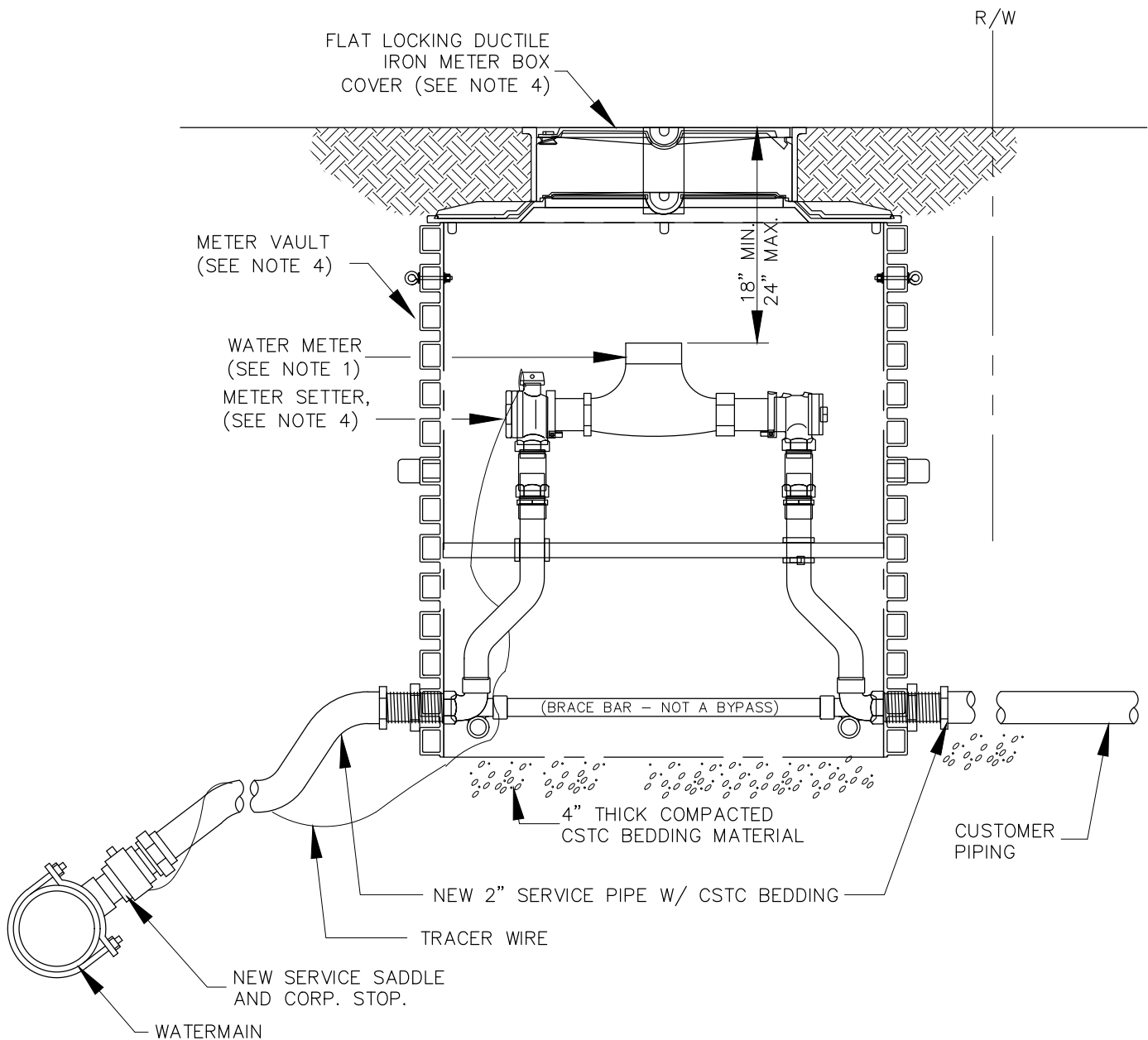


1	9-12-24	CONSTRUCTION STANDARDS UPDATE
0	1-21-02	ORIGINAL
REV.	DATE	DESCRIPTION

UTILITY:
WATER

DETAIL NO.:
W-6

CITY OF CLE ELUM
STANDARD DETAIL
NEW WATER SERVICE (1" OR SMALLER)



NOTES:

1. ALL NEW METERS GREATER THAN 1" WILL BE FURNISHED AND INSTALLED BY THE DEVELOPER.
2. METER BOX COVERS SHALL BE DUCTILE IRON FOR ALL AREAS.
3. FUTURE WATER SERVICES (STUBS) SHALL BE MARKED AT THE PROPERTY LINE PER THE SPECIFICATIONS AND EXTEND 5'-10' BEYOND PROPERTY LINE AND CAPPED.
4. SEE CONSTRUCTION STANDARDS FOR ALL MATERIAL TYPES AND MODELS.

NEW WATER SERVICE (1-1/2" - 2")

NOT TO SCALE

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS, SHALL BE USED.

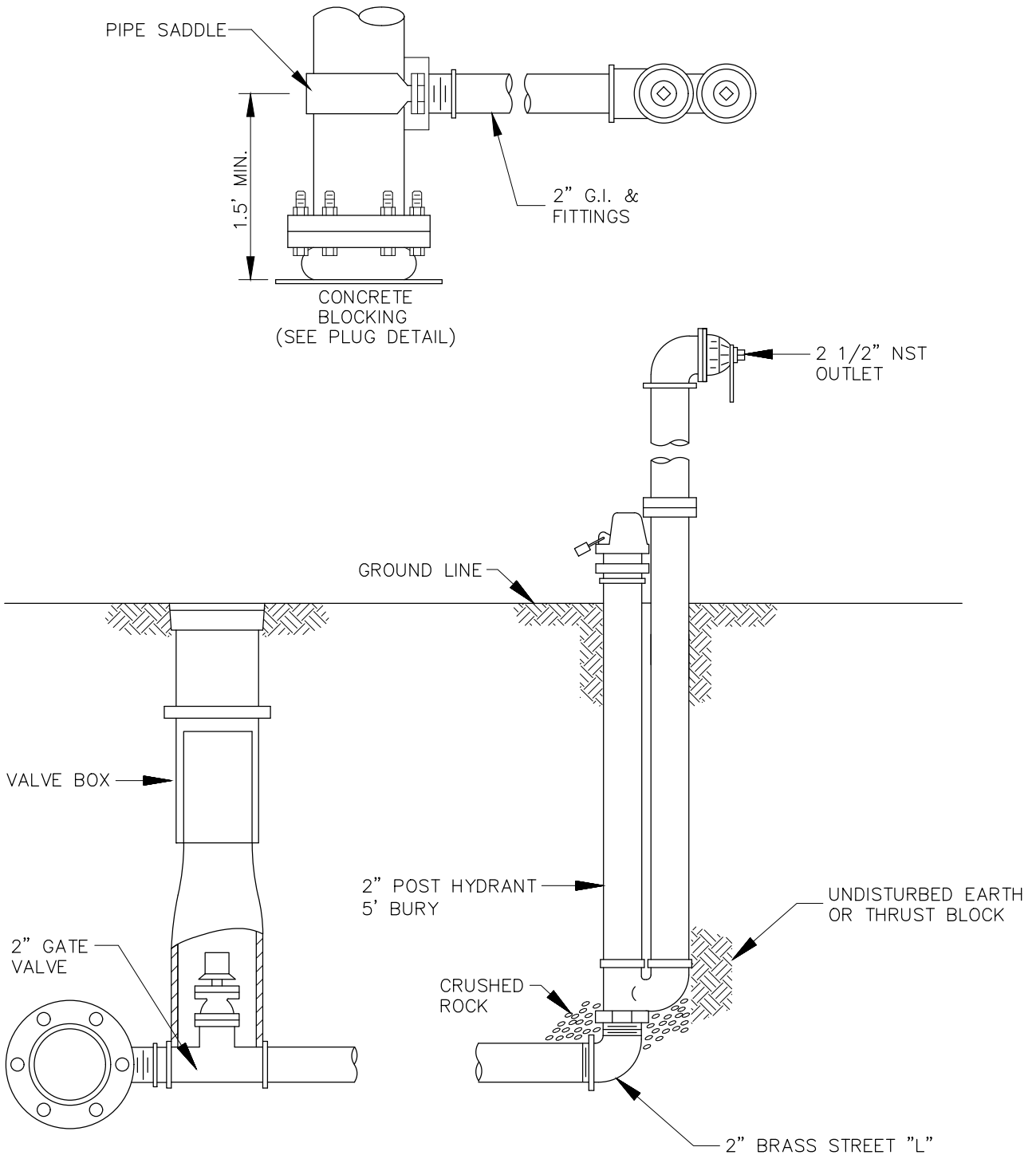


0	9-12-24	ORIGINAL
REV.	DATE	DESCRIPTION

UTILITY:
WATER

DETAIL NO.:
W-7

CITY OF CLE ELUM
STANDARD DETAIL
NEW WATER SERVICE (1-1/2" - 2")



BLOW-OFF ASSEMBLY - ABOVE GROUND

NOT TO SCALE

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS, SHALL BE USED.



3	9-12-24	CONSTRUCTION STANDARDS UPDATE
2	12-5-14	ABOVE-GROUND INSTALLATION
1	12-23-04	NEW BOX, MISC. REVISIONS
0	1-21-02	ORIGINAL
REV.	DATE	DESCRIPTION

UTILITY: WATER
DETAIL NO.: W-8

CITY OF CLE ELUM
STANDARD DETAIL
BLOW-OFF ASSEMBLY - ABOVE GROUND

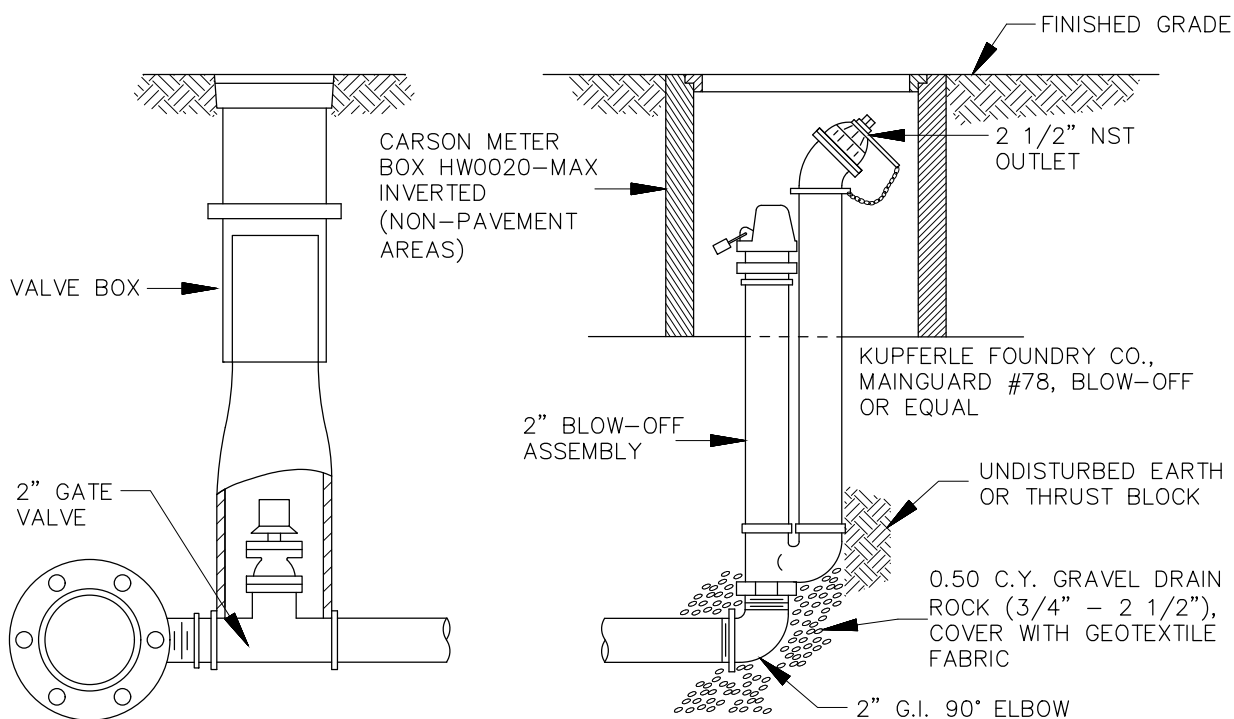
ROMAC
202NS
SERVICE
SADDLE

1.5' MIN.

CONCRETE BLOCKING
(SEE PLUG DETAIL)

2" G.I.

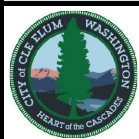
PLAN VIEW



BLOW-OFF ASSEMBLY - BELOW GROUND

NOT TO SCALE

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE
DIRECTOR OF PUBLIC WORKS, SHALL BE USED.

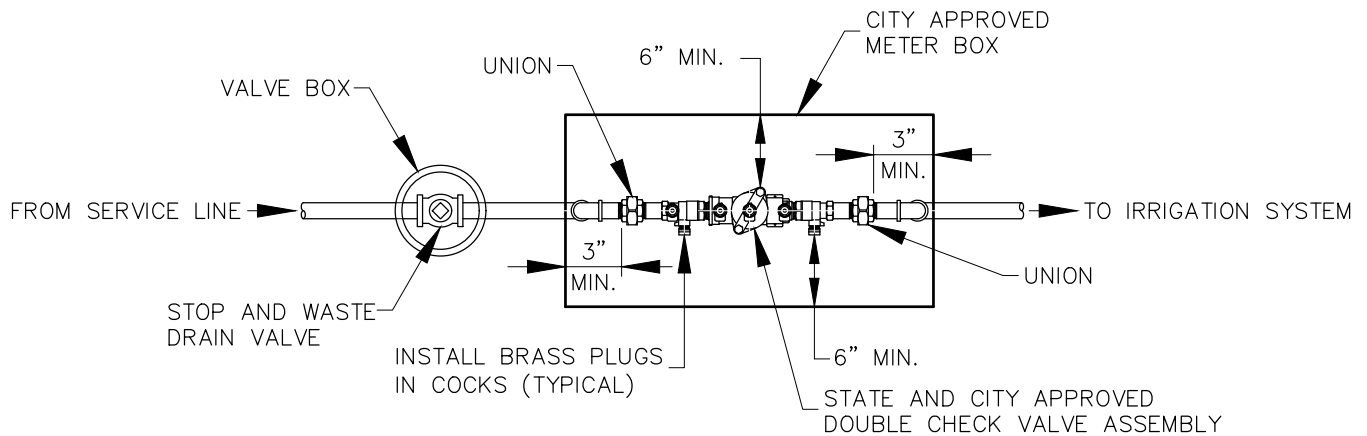


0	9-12-24	ORIGINAL
REV.	DATE	DESCRIPTION

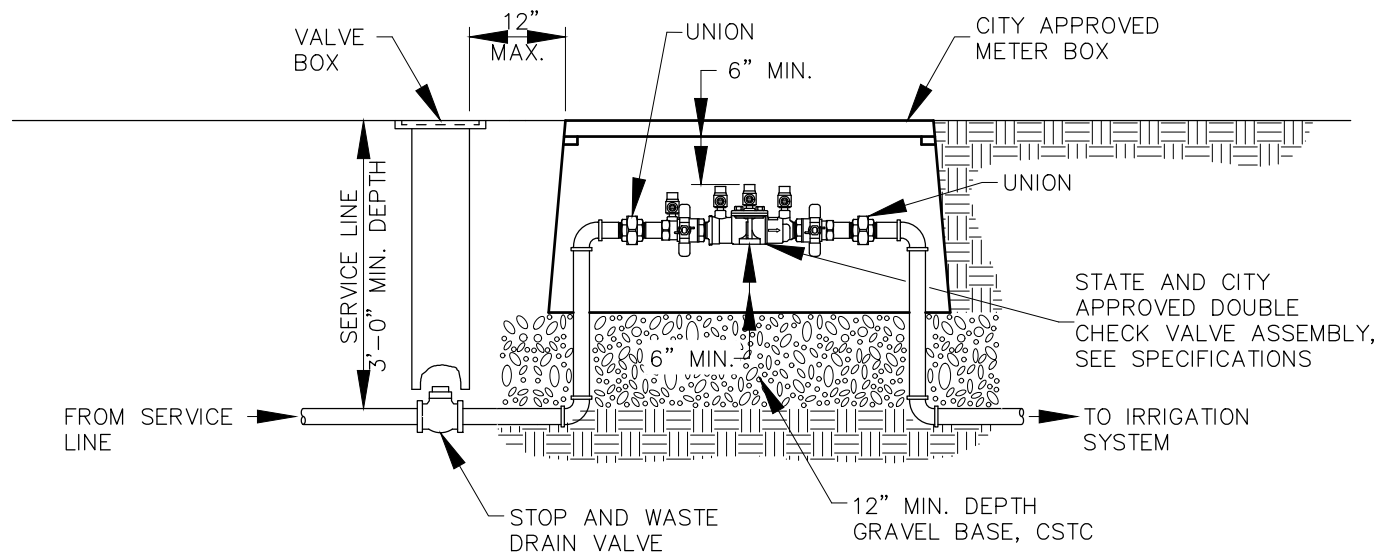
UTILITY:
WATER

DETAIL NO.:
W-8A

CITY OF CLE ELUM
STANDARD DETAIL
BLOW-OFF ASSEMBLY - BELOW GROUND



PLAN



ELEVATION

NOTES:

1. DOUBLE CHECK VALVE ASSEMBLY SHALL MEET REQUIREMENTS OF THE AWWA "ACCEPTED PROCEDURE AND PRACTICE IN CROSS-CONNECTION CONTROL" MANUAL.
2. DEVICES MUST BE ON STATE DEPT. OF HEALTH LIST OF "APPROVED CROSS CONNECTION CONTROL DEVICES".
3. METER BOX SIZE SHOULD BE SIZED TO PROVIDE THE MINIMUM CLEARANCES SHOWN IN THE DETAIL.

IRRIGATION BACKFLOW PREVENTER

NOT TO SCALE

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS, SHALL BE USED.



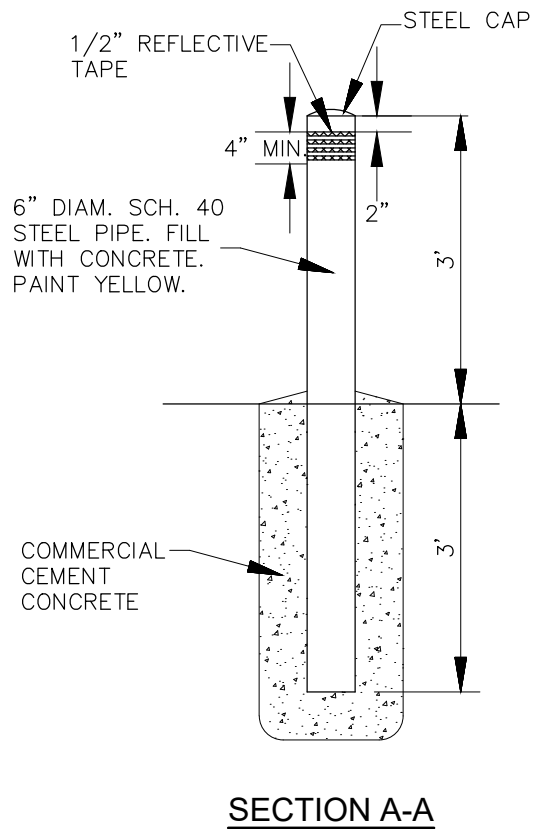
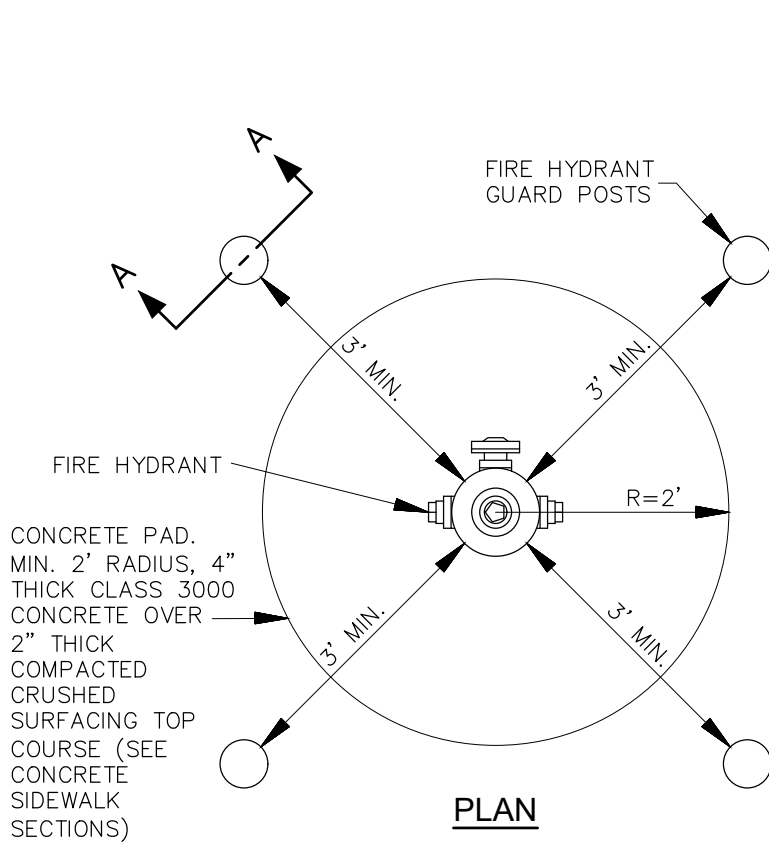
0	9-12-24	ORIGINAL
REV.	DATE	DESCRIPTION

UTILITY:
WATER

DETAIL NO.:
W-9

CITY OF CLE ELUM

STANDARD DETAIL
IRRIGATION BACKFLOW PREVENTER



HYDRANT GUARD POST AND CONCRETE PAD

NOT TO SCALE

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS, SHALL BE USED.



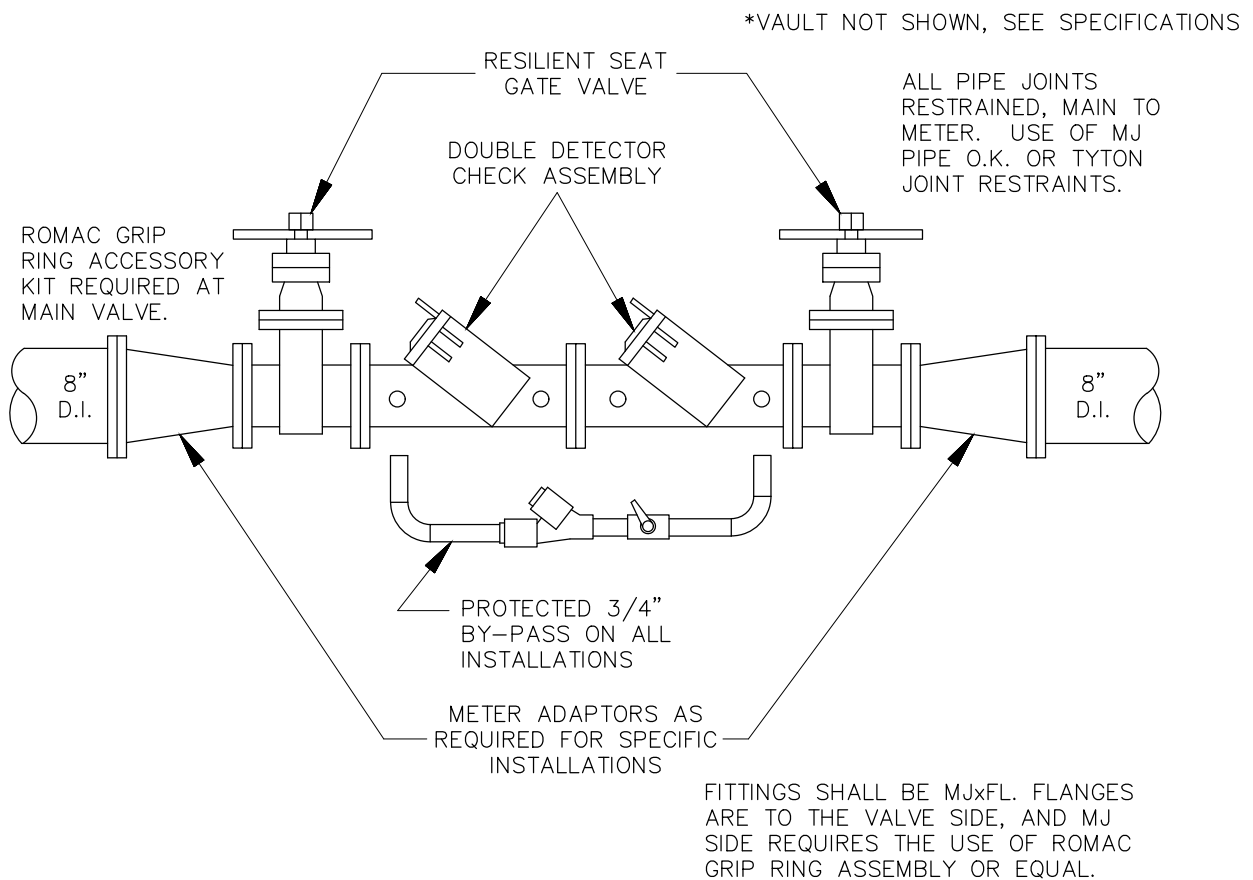
0	9-12-24	ORIGINAL
REV.	DATE	DESCRIPTION

UTILITY:
WATER

DETAIL NO.:
W-10

CITY OF CLE ELUM

STANDARD DETAIL
HYDRANT GUARD POST AND CONCRETE PAD



DOUBLE DETECTOR CHECK VALVE ASSEMBLY

NOT TO SCALE

NOTES:

1. MIN. 3" DIA. FLOOR DRAIN, WITH 1" ROUND DRAIN ROCK SUMP (2'X2'X2'), WITH GEOTEXTLE FABRIC ALL AROUND.
2. INSTALL VAULT ON 4' CSTC COMPACTED BASE.
3. PIPE SUPPORTS SHALL BE INSTALLED UNDER BOTH GATE VALVES.
4. MUST BE ON THE LATEST USCFCCHR LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES.
5. THE BACKFLOW ASSEMBLY SHALL BE TESTED AT THE TIME OF INSTALLATION BY A CERTIFIED TESTER APPROVED BY THE CITY.

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS, SHALL BE USED.

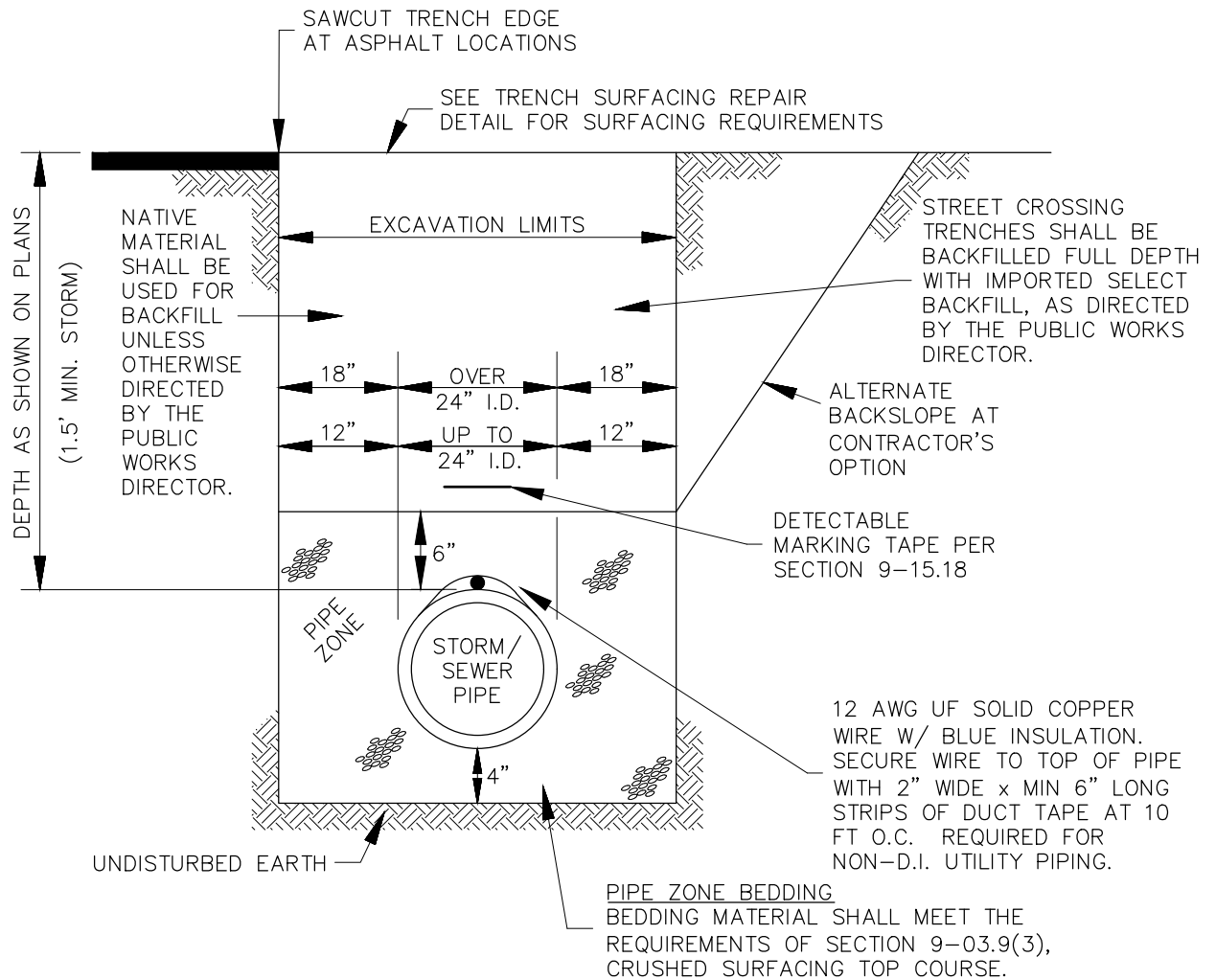


0	9-12-24	ORIGINAL
REV.	DATE	DESCRIPTION

UTILITY:
WATER

DETAIL NO.:
W-11

CITY OF CLE ELUM
STANDARD DETAIL
DOUBLE DETECTOR CHECK VALVE ASSEMBLY



COMPACTION

ALL TRENCH BACKFILL INCLUDING BEDDING MATERIAL SHALL BE COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS EXCEPT HAND TAMP ONLY DIRECTLY OVER PIPE FOR 6 INCHES. MECHANICAL COMPACTION IS REQUIRED UNLESS WATER SETTLING IS ALLOWED BY THE SPECIFICATIONS.

NOTES:

- FOR 4" AND 6" SIDE SEWERS, INSTALL IMPORTED PIPE ZONE BEDDING A MINIMUM OF 3" THICK ON ALL SIDES OF PIPE.
- CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE O.S.H.A. AND W.I.S.H.A. SAFETY AND HEALTH REGULATIONS.

STORM/SEWER PIPE TRENCH SECTION

NOT TO SCALE

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS, SHALL BE USED.



1	9-12-24	CONSTRUCTION STANDARDS UPDATE
0	1-21-02	ORIGINAL
REV.	DATE	DESCRIPTION

UTILITY:
SEWER

DETAIL NO.:
SS-1

CITY OF CLE ELUM
STANDARD DETAIL
STORM/SEWER PIPE TRENCH SECTION

CENTER STEPS OVER
UPSTREAM PIPE

PLAN VIEW

CAST IRON FRAME &
COVER OLYMPIC FOUNDRY,
UNIT MH41, OR APPROVED
EQUAL. CAST WORD
"SEWER" OR "DRAIN" IN
COVER AS APPROPRIATE.

PRECAST
ECCENTRIC
CONE SECTION

STEPS, SEE
DETAIL

PRECAST SECTION

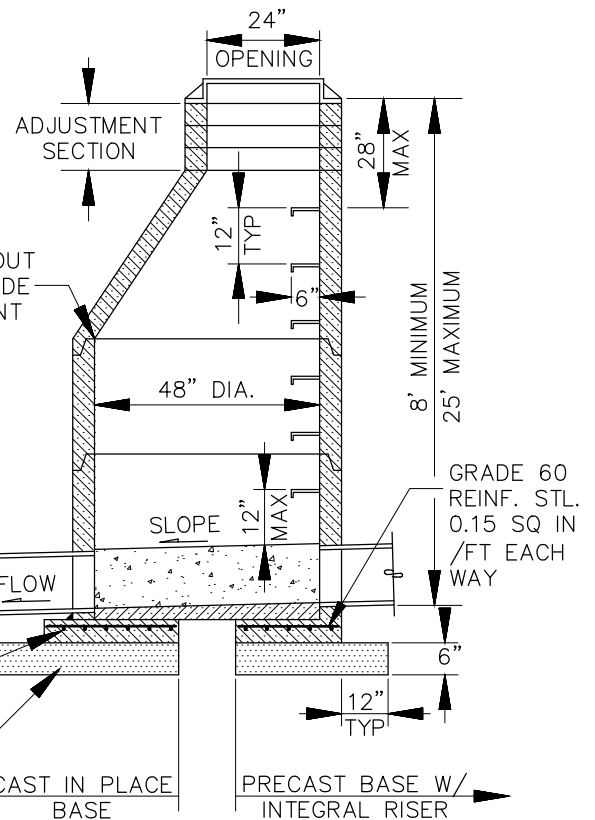
CHANNEL WIDTH TO MATCH
PIPE DIAMETER

PRECAST BASE
SECTION

MORTAR
FILLET

0.10' MIN. DROP IN ALL CHANNELS
ACROSS ALL MANHOLES

SECTION A-A

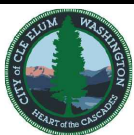


SECTION B-B

MANHOLE - TYPE 1

NOT TO SCALE

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE
DIRECTOR OF PUBLIC WORKS, SHALL BE USED.

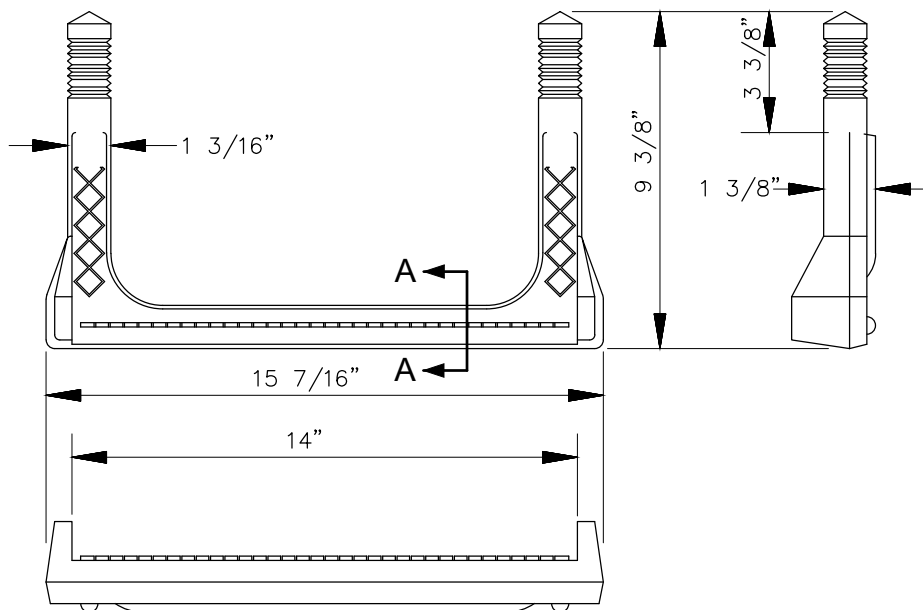


REV.	DATE	DESCRIPTION
1	9-12-24	CONSTRUCTION STANDARDS UPDATE
0	1-21-02	ORIGINAL

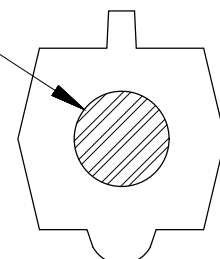
UTILITY: SEWER
DETAIL NO.: SS-2

CITY OF CLE ELUM

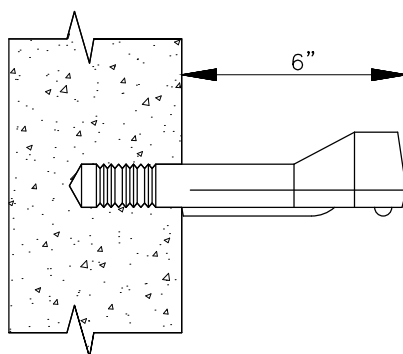
STANDARD DETAIL
MANHOLE - TYPE 1



COPOLYMER
POLYPROPYLENE
PLASTIC COATED 1/2"
GRADE 60 STEEL
REINFORCEMENT



SECTION A-A



NOTE:
MANHOLE STEPS SHALL BE COPOLYMER
POLYPROPYLENE PLASTIC COATED 1/2"
GRADE 60 STEEL REINFORCEMENT, MODEL
PS2-PF, AS MANUFACTURED BY M.A.
INDUSTRIES INC., OR APPROVED EQUAL

MANHOLE SAFETY STEP

NOT TO SCALE

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE
DIRECTOR OF PUBLIC WORKS, SHALL BE USED.



1	9-12-24	CONSTRUCTION STANDARDS UPDATE
0	1-21-02	ORIGINAL
REV.	DATE	DESCRIPTION

UTILITY:
SEWER

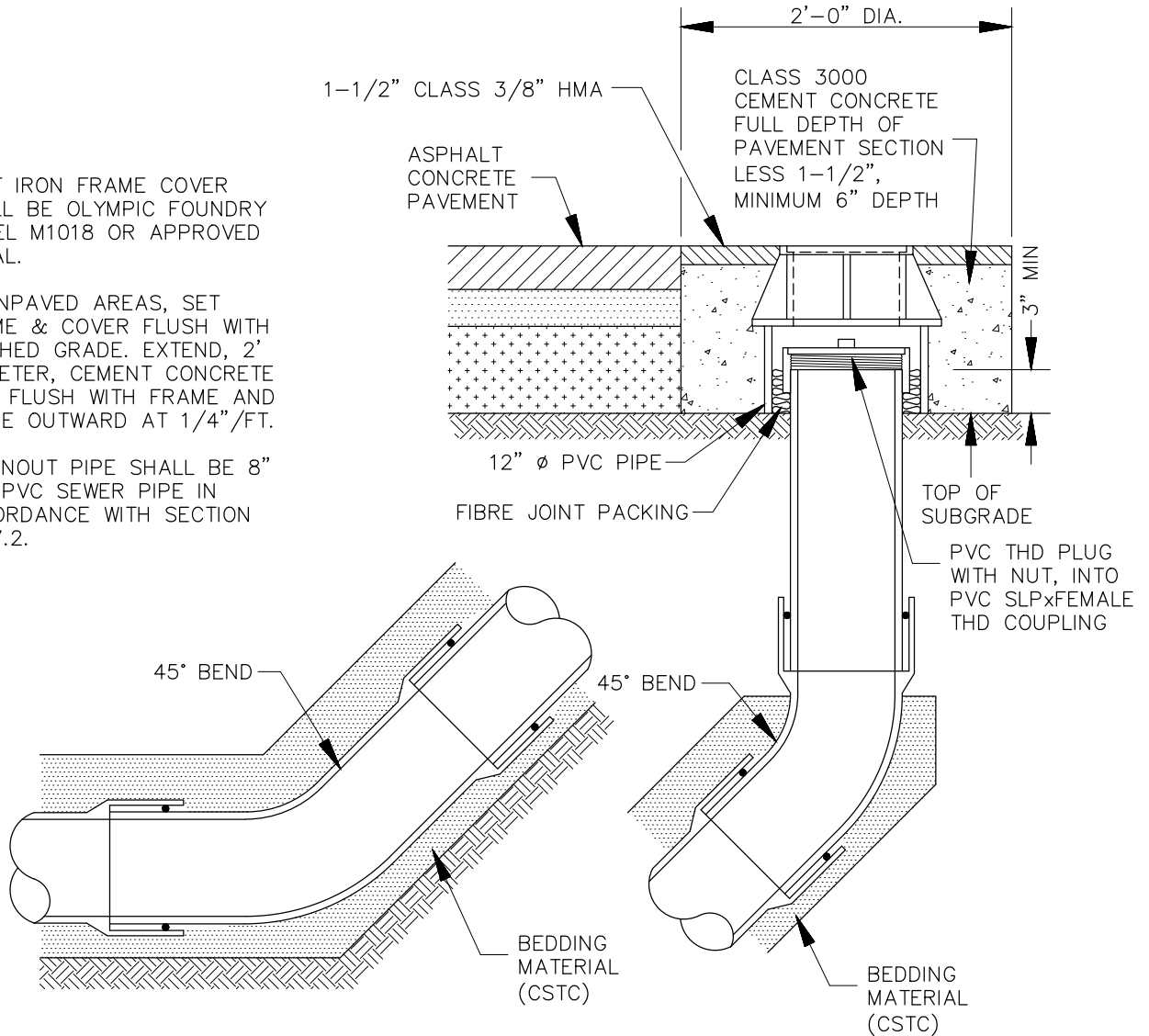
DETAIL NO.:
SS-3

CITY OF CLE ELUM

STANDARD DETAIL
MANHOLE SAFETY STEP

NOTES:

1. CAST IRON FRAME COVER SHALL BE OLYMPIC FOUNDRY MODEL M1018 OR APPROVED EQUAL.
2. IN UNPAVED AREAS, SET FRAME & COVER FLUSH WITH FINISHED GRADE. EXTEND, 2' DIAMETER, CEMENT CONCRETE RING FLUSH WITH FRAME AND SLOPE OUTWARD AT 1/4"/FT.
3. CLEANOUT PIPE SHALL BE 8" DIA. PVC SEWER PIPE IN ACCORDANCE WITH SECTION 7-17.2.



SANITARY SEWER CLEANOUT

NOT TO SCALE

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS, SHALL BE USED.

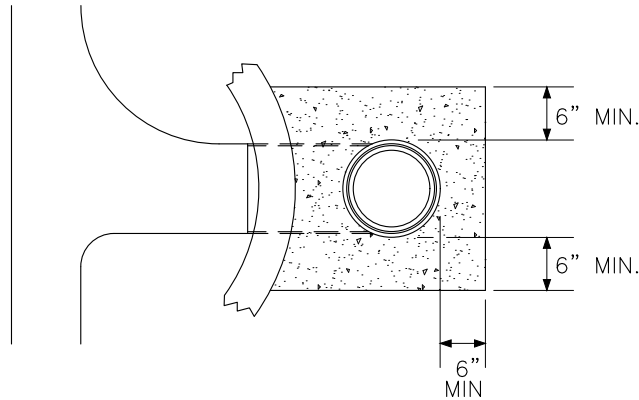


1	9-12-24	CONSTRUCTION STANDARDS UPDATE
0	1-21-02	ORIGINAL
REV.	DATE	DESCRIPTION

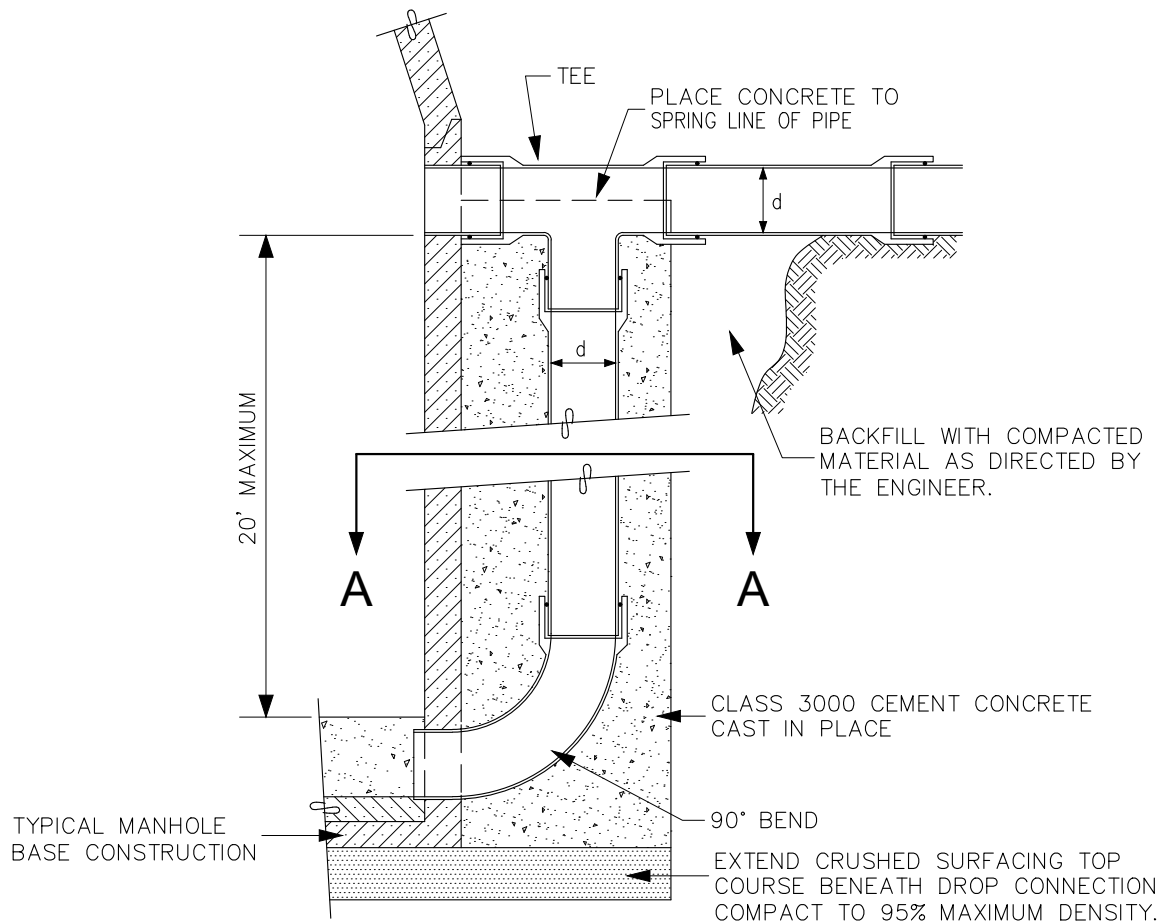
UTILITY:
SEWER

DETAIL NO.:
SS-4

CITY OF CLE ELUM
STANDARD DETAIL
SANITARY SEWER CLEANOUT



SECTION A-A



DROP CONNECTION - OUTSIDE MANHOLE

NOT TO SCALE

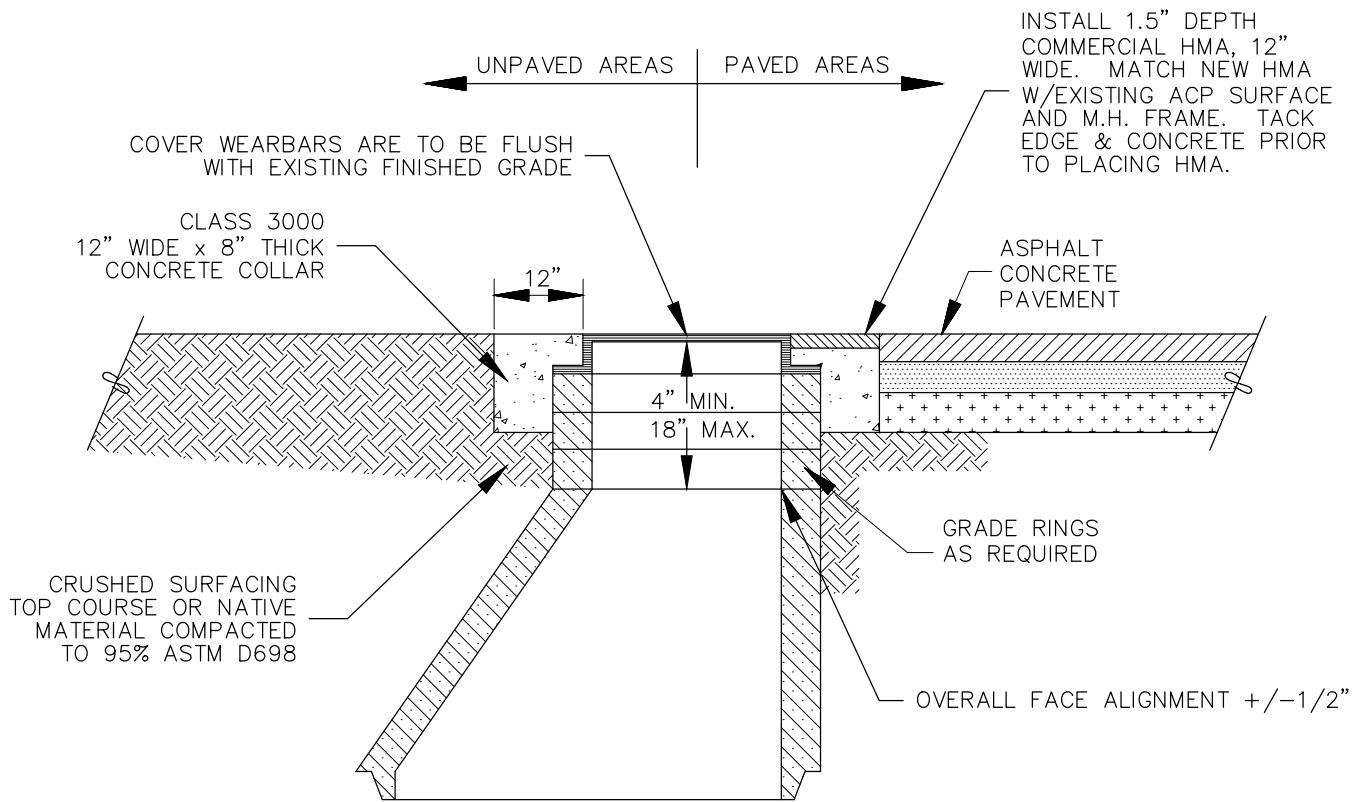
NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS, SHALL BE USED.



1	9-12-24	CONSTRUCTION STANDARDS UPDATE
0	1-21-02	ORIGINAL
REV.	DATE	DESCRIPTION

UTILITY: SEWER
DETAIL NO.: SS-5

CITY OF CLE ELUM
STANDARD DETAIL
DROP CONNECTION - OUTSIDE MANHOLE



NOTES:

1. MANHOLES SHALL BE ADJUSTED TO FINISHED GRADE AFTER PLACEMENT OF ASPHALT CONCRETE PAVEMENT.
2. GRADE RINGS AND/OR LEVELING BRICKS SHALL BE GROUTED IN PLACE AND BE WATER TIGHT.

MANHOLE ADJUSTMENT

NOT TO SCALE

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS, SHALL BE USED.

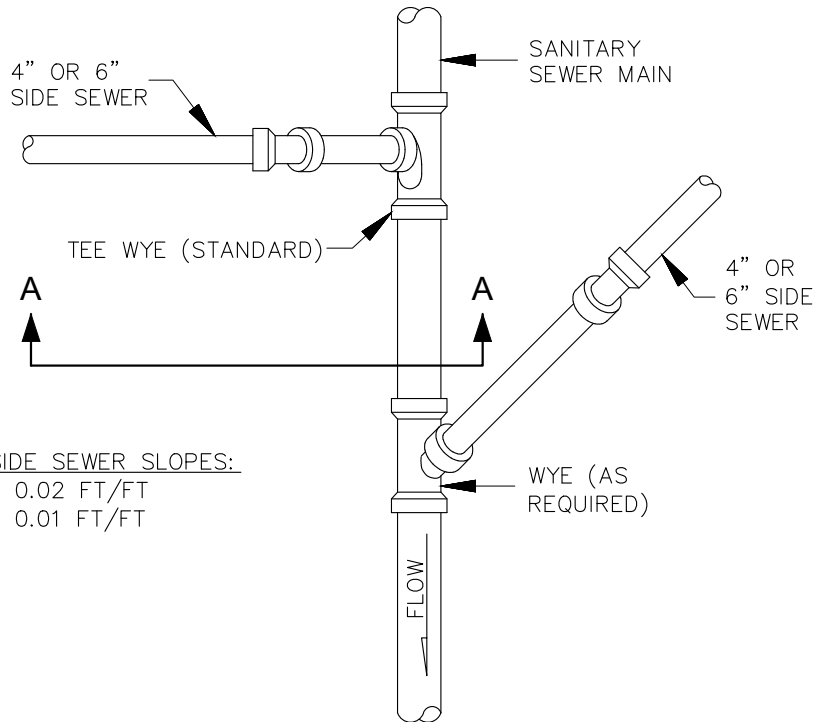


1	9-12-24	CONSTRUCTION STANDARDS UPDATE
0	1-21-02	ORIGINAL
REV.	DATE	DESCRIPTION

UTILITY:
SEWER

DETAIL NO.:
SS-6

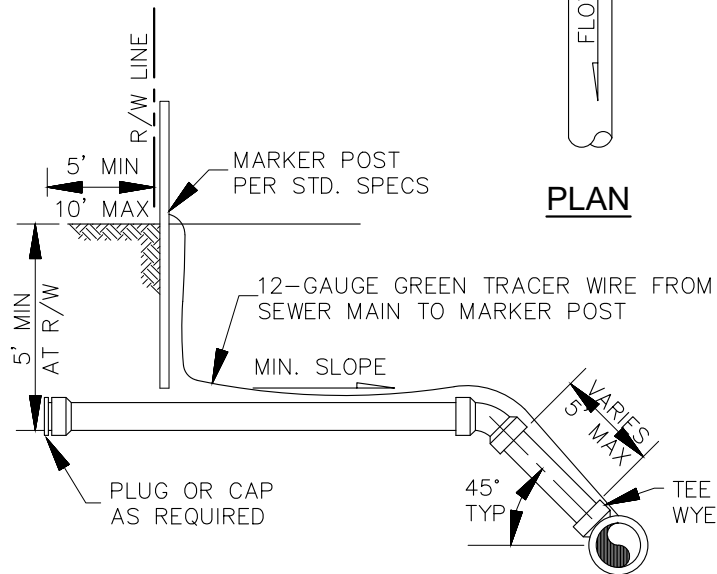
CITY OF CLE ELUM
STANDARD DETAIL
MANHOLE ADJUSTMENT



MINIMUM SIDE SEWER SLOPES:

4" PIPE = 0.02 FT/FT

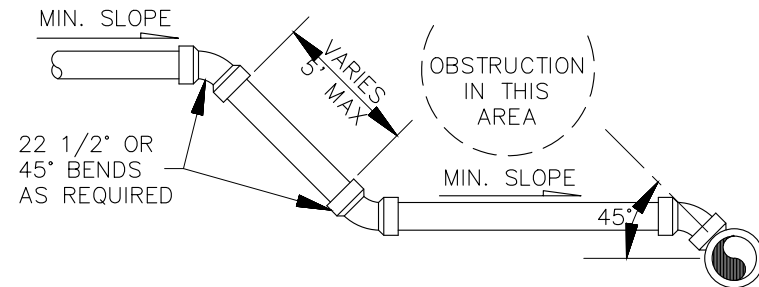
6" PIPE = 0.01 FT/FT



SECTION A-A

NOTES:

1. SERVICE CONNECTIONS 8" OR LARGER MUST BE MADE AT MANHOLE.
2. ROTATE SANITARY SEWER MAIN TEE WYE OR WYE 45° UPWARD.
3. TEE WYES OR WYES SHALL BE INSTALLED IN NEW SANITARY SEWER MAINS. WHEN INSTALLING SIDE SEWERS IN EXISTING MAINS, CONNECTION SHALL BE MADE BY MACHINE MADE TAP AND APPROVED SADDLE.
4. WHERE DEPTH IS INSUFFICIENT TO ALLOW CONNECTION AS SHOWN, CONNECT SERVICE AS DIRECTED BY ENGINEER.
5. TERMINATE SIDE SEWER AT 5'-10' PAST R/W LINE UNLESS OTHERWISE DIRECTED BY ENGINEER OR SHOWN OTHERWISE ON PLANS.
6. ALL SIDE SEWER MATERIALS SHALL BE PVC SEWER PIPE CONFORMING TO THE REQUIREMENTS OF SECTION 9-05.12 OF THE STANDARD SPECIFICATIONS.
7. NO GLUED FITTINGS IN RIGHT-OF-WAY.
8. SERVICE CONNECTIONS 8" OR LARGER SHALL BE APPROVED BY CITY ENGINEER AND MUST BE MADE AT MANHOLE. A CLEANOUT SHALL BE PLACED AT THE RIGHT OF WAY LINE MAKING THE DISTINCTION BETWEEN PUBLIC AND PRIVATE LINES.

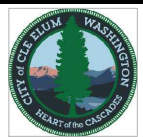


CONNECTION AT OBSTRUCTION

SIDE SEWER CONNECTION

NOT TO SCALE

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS, SHALL BE USED.



REV.	DATE	DESCRIPTION
1	9-12-24	CONSTRUCTION STANDARDS UPDATE
0	1-21-02	ORIGINAL

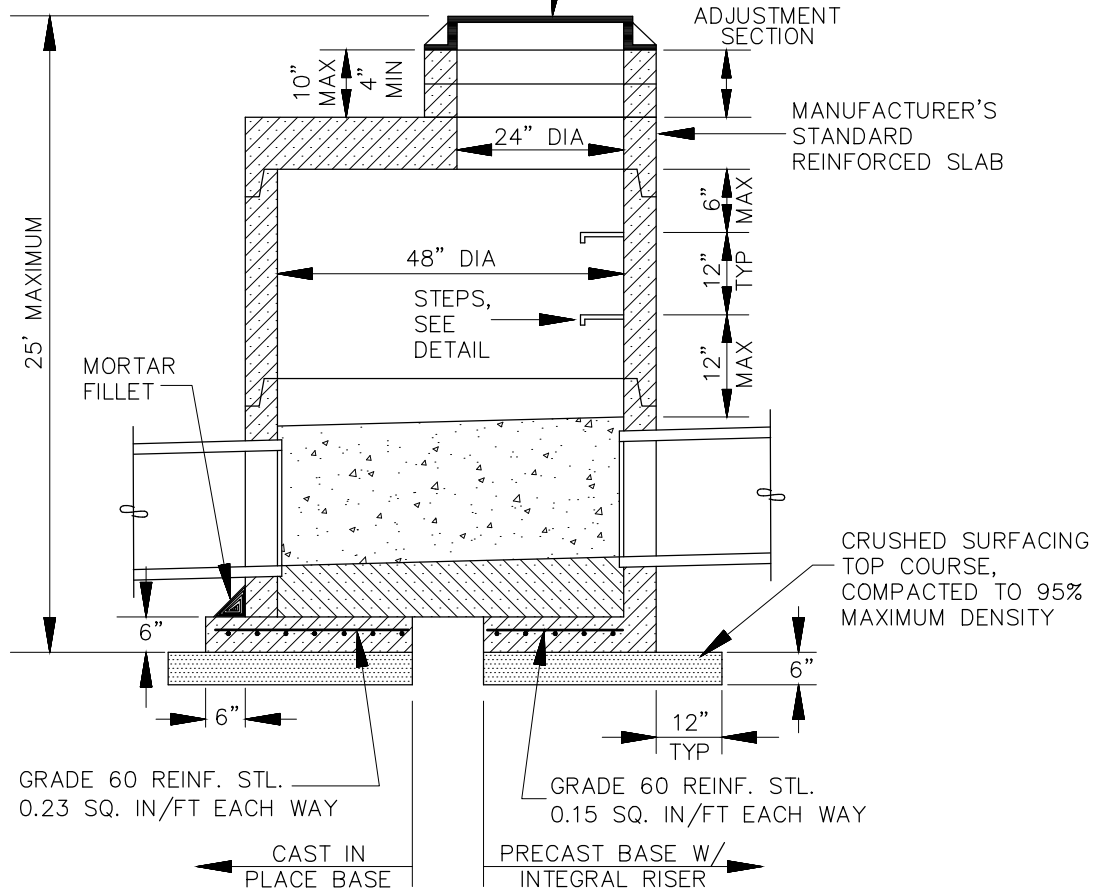
UTILITY:
SEWER

DETAIL NO.:
SS-7

CITY OF CLE ELUM
STANDARD DETAIL
SIDE SEWER CONNECTION

FOR MANHOLES LESS THAN 8'
HIGH, USE SHALLOW MANHOLE
WITH THE MANUFACTURER'S
STANDARD REINFORCED SLAB LID.

CAST IRON FRAME & COVER,
OLYMPIC FOUNDRY MODEL MH41
OR APPROVED EQUAL, CAST
WORD "SEWER" OR "DRAIN" IN
COVER AS APPROPRIATE



SHALLOW MANHOLE - TYPE 3

NOT TO SCALE

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE
DIRECTOR OF PUBLIC WORKS, SHALL BE USED.

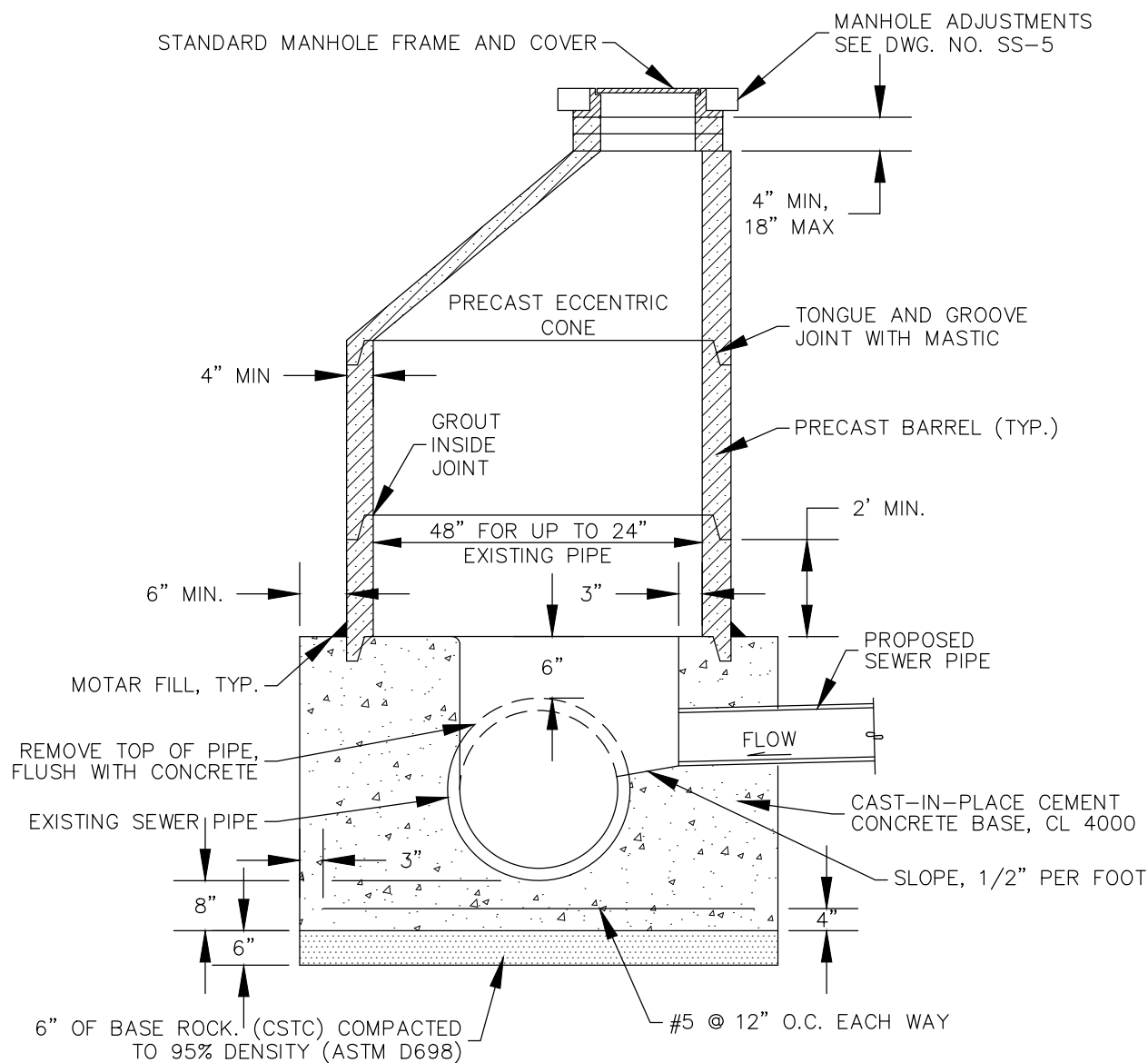


0	9-12-24	ORIGINAL
REV.	DATE	DESCRIPTION

UTILITY:
SEWER

DETAIL NO.:
SS-8

CITY OF CLE ELUM
STANDARD DETAIL
SHALLOW MANHOLE - TYPE 3



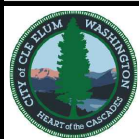
NOTES:

1. THE INSIDE JOINT SURFACE SHALL BE GROUTED.
2. FOR MANHOLES LESS THAN 5'-0", USE FLAT TOP MANHOLE WITH TRAFFIC BEARING LID.
3. THE MANHOLE PIPE CONNECTIONS SHALL BE FITTED WITH SAND COLLARS.
4. MATCH CROWN OF EXISTING PIPE WITH NEW SEWER PIPE.
5. EITHER FORM RECESS IN CAST-IN-PLACE BASE OR SET RISER SECTION IN CAST-IN-PLACE BASE TO DEPTH OF JOINT, EQUAL DEPTH ALL AROUND.
6. PIPE ALIGNMENT INTO MANHOLE SHALL HAVE 0° DEFLECTION.
7. THE EXISTING PIPE SURFACE SHALL BE CLEAN AND COATED WITH A BONDING AGENT PRIOR TO POURING BASE.

DOGHOUSE MANHOLE

NOT TO SCALE

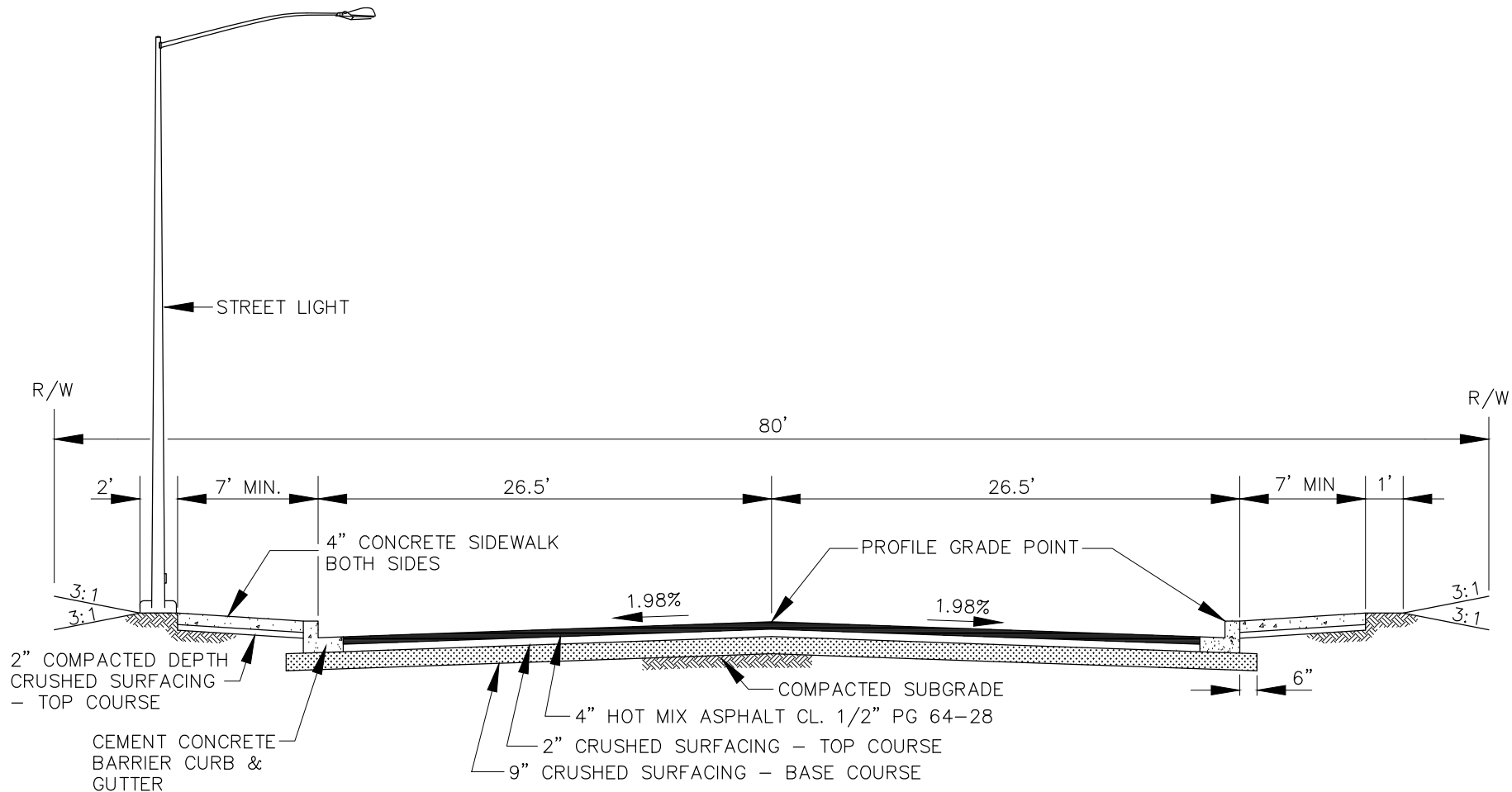
NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS, SHALL BE USED.



0	9-12-24	ORIGINAL
REV.	DATE	DESCRIPTION

UTILITY: SEWER
DETAIL NO.: SS-9

CITY OF CLE ELUM
STANDARD DETAIL
DOGHOUSE MANHOLE



NOTES:

1. ALL THICKNESSES ARE COMPACTED DEPTHS.
2. BACK SLOPES SHALL BE 3:1 UNLESS OTHERWISE APPROVED BY PUBLIC WORKS DIRECTOR.
3. CONCRETE SIDEWALK TO BE: 6" THICK AT DRIVEWAYS, 4" THICK ALL OTHER LOCATIONS.
4. IF ROLLED CURB AND GUTTER IS APPROVED, SIDEWALK SHALL BE 6" THICK.
5. 10' PAVED HMA PATHWAY (2" HOT MIX ASPHALT, 4" CSBC) ON ONE SIDE MAY BE CONSTRUCTED IN LIEU OF SIDEWALKS WITH PUBLIC WORKS DIRECTOR APPROVAL.
6. A 12' TURN LANE SHALL BE ADDED WHERE WARRANTED BY A TRAFFIC STUDY.

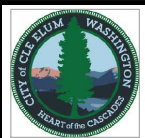
LANES:

- 2 - 13' TRAVEL LANES
- 2 - 8' PARKING LANES (INCLUDES GUTTER)
- 2 - 5' BIKE LANES
- 2 - 7' SIDEWALKS (12' IN COMMERCIAL AREAS)

ROADWAY SECTION - ARTERIAL / MAJOR COLLECTOR

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS, SHALL BE USED.

NOT TO SCALE



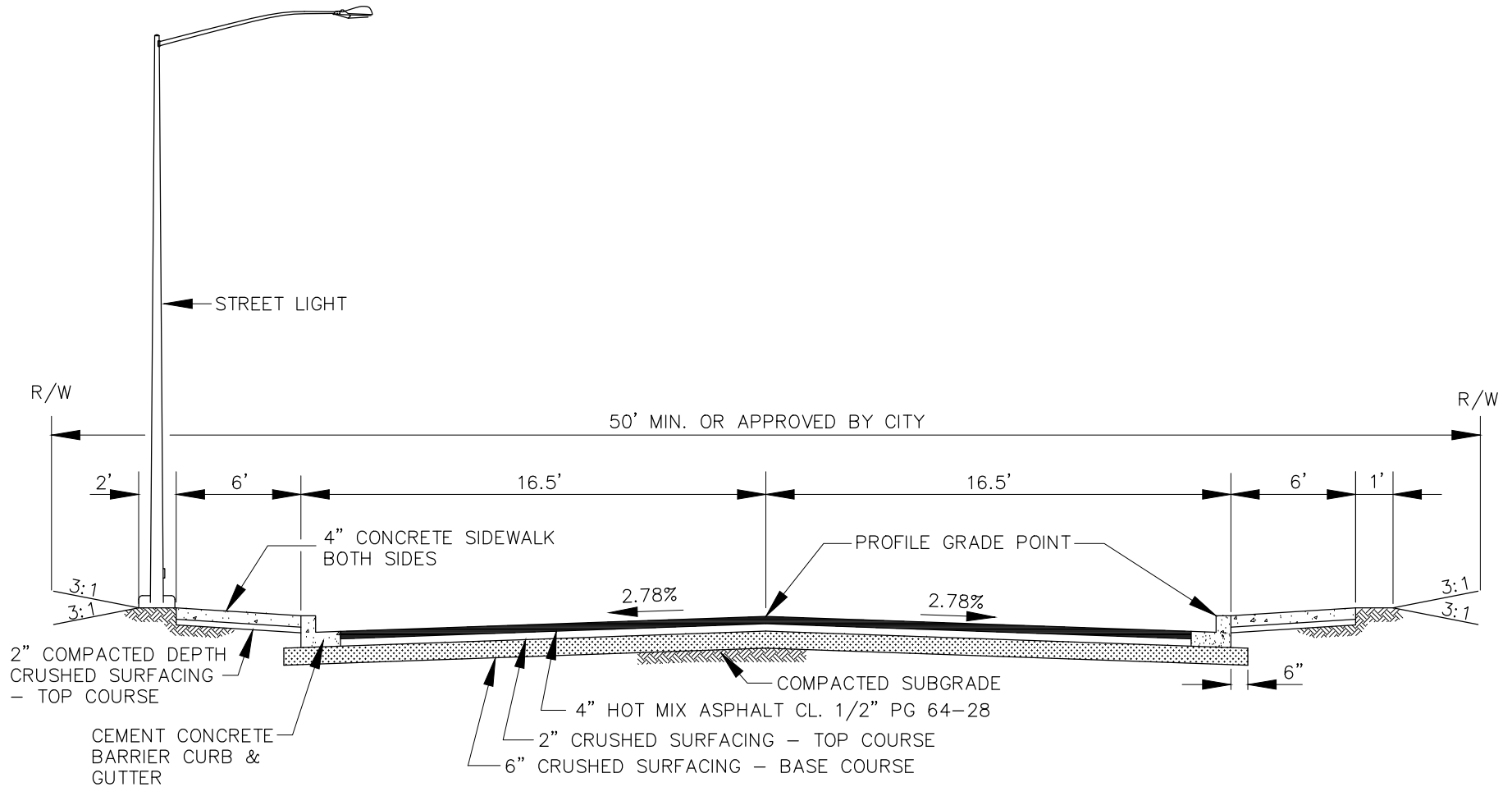
0	9-12-24	ORIGINAL
REV.	DATE	DESCRIPTION

UTILITY:
STREET

DETAIL NO.:
ST-1

CITY OF CLE ELUM

STANDARD DETAIL
ROADWAY SECTION - ARTERIAL /
MAJOR COLLECTOR



NOTES:

1. ALL THICKNESSES ARE COMPACTED DEPTHS.
2. BACK SLOPES SHALL BE 3:1 UNLESS OTHERWISE APPROVED BY PUBLIC WORKS DIRECTOR.
3. CONCRETE SIDEWALK TO BE: 6" THICK AT DRIVEWAYS, 4" THICK ALL OTHER LOCATIONS.
4. IF ROLLED CURB AND GUTTER IS APPROVED, SIDEWALK SHALL BE 6" THICK.
5. 10' PAVED HMA PATHWAY (2" HOT MIX ASPHALT, 4" CSBC) ON ONE SIDE MAY BE CONSTRUCTED IN LIEU OF SIDEWALKS WITH PUBLIC WORKS DIRECTOR APPROVAL.

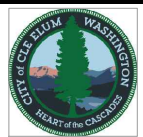
LANES:

- 2 - 11' TRAVEL LANES
- 2 - 5' BIKE LANES (INCLUDES GUTTER)
- 2 - 6' SIDEWALKS (12' IN COMMERCIAL AREAS)

ROADWAY SECTION - LOCAL ACCESS (NO PARKING ALLOWED)

NOT TO SCALE

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS, SHALL BE USED.

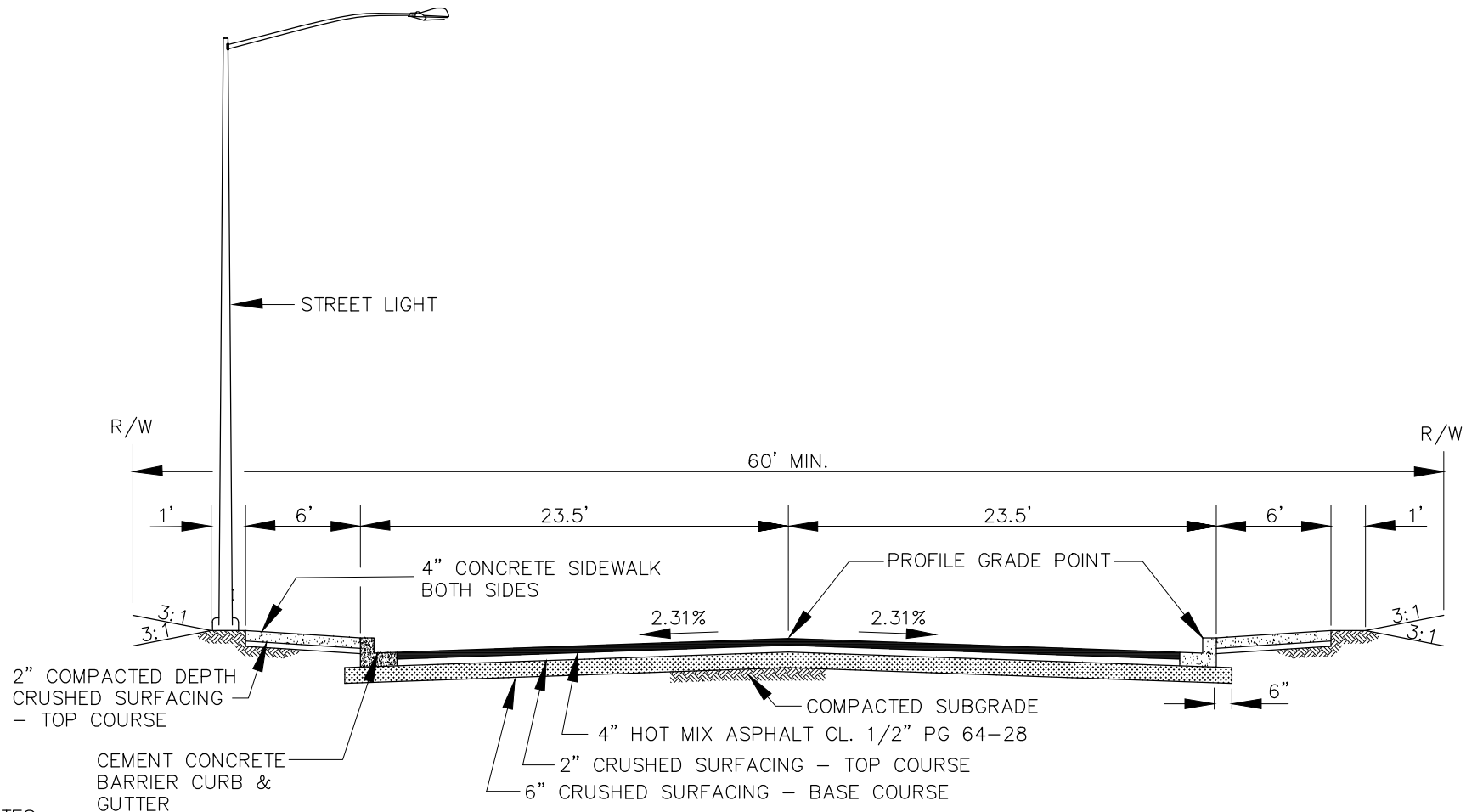


0	9-12-24	ORIGINAL
REV.	DATE	DESCRIPTION

UTILITY:
STREET

DETAIL NO.:
ST-2

CITY OF CLE ELUM
STANDARD DETAIL
ROADWAY SECTION - LOCAL ACCESS
(NO PARKING ALLOWED)



NOTES:

1. ALL THICKNESSES ARE COMPACTED DEPTHS.
2. BACK SLOPES SHALL BE 3:1 UNLESS OTHERWISE APPROVED BY PUBLIC WORKS DIRECTOR.
3. CONCRETE SIDEWALK TO BE: 6" THICK AT DRIVEWAYS, 4" THICK ALL OTHER LOCATIONS.
4. IF ROLLED CURB AND GUTTER IS APPROVED, SIDEWALK SHALL BE 6" THICK.
5. 10' PAVED HMA PATHWAY (2" HOT MIX ASPHALT, 4" CSBC) ON ONE SIDE MAY BE CONSTRUCTED IN LIEU OF SIDEWALKS WITH PUBLIC WORKS DIRECTOR APPROVAL.

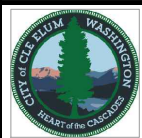
LANES:

- 2 - 10' TRAVEL LANES
- 2 - 8' PARALLEL PARKING LANES (INCLUDES GUTTER)
- 2 - 5' BIKE LANES
- 2 - 6' SIDEWALKS (12' IN COMMERCIAL AREAS)

ROADWAY SECTION - LOCAL ACCESS (ON STREET PARKING ALLOWED)

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS, SHALL BE USED.

NOT TO SCALE

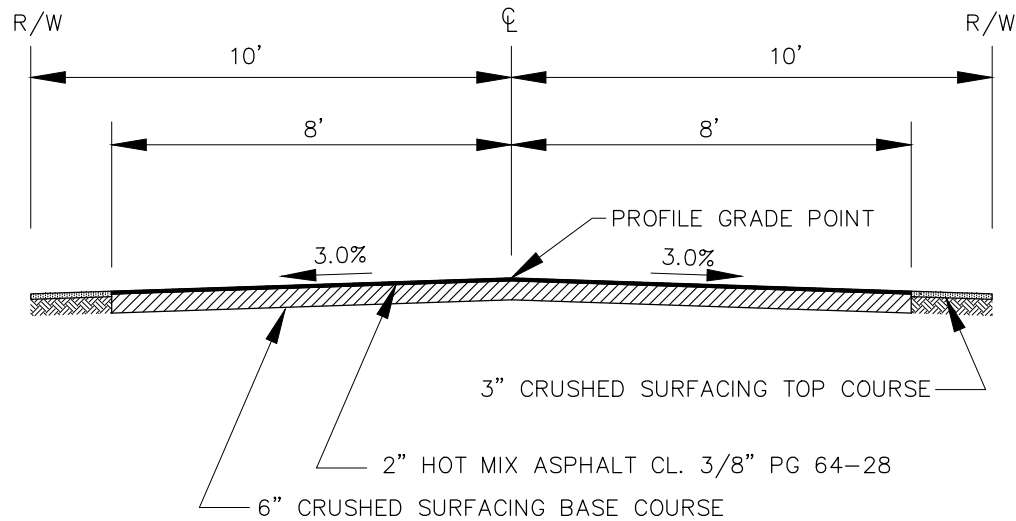


0	9-12-24	ORIGINAL
REV.	DATE	DESCRIPTION

UTILITY:
STREET

DETAIL NO.:
ST-3

CITY OF CLE ELUM
STANDARD DETAIL
ROADWAY SECTION - LOCAL ACCESS
(ON STREET PARKING ALLOWED)



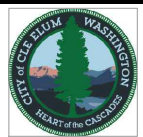
NOTES:

1. ALL THICKNESSES ARE COMPACTED DEPTHS.
2. BACK SLOPES SHALL BE 3:1 UNLESS OTHERWISE APPROVED BY PUBLIC WORKS DIRECTOR.

ROADWAY SECTION - ALLEY

NOT TO SCALE

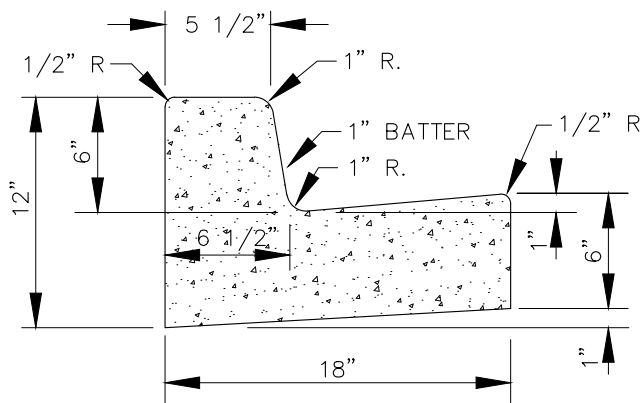
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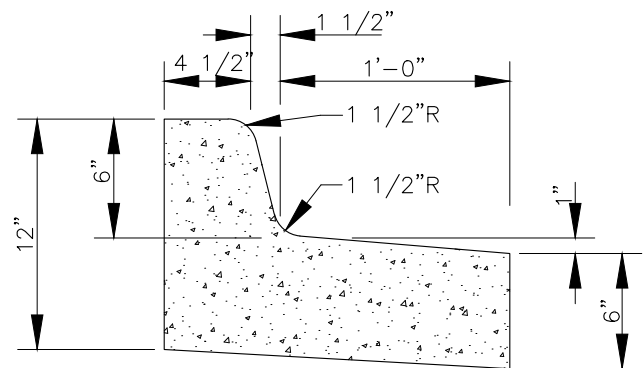
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REV.	DATE	DESCRIPTION

UTILITY: STREET
DETAIL NO.: ST-4

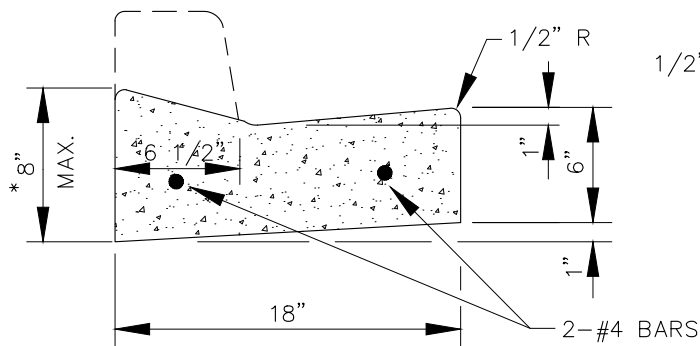
CITY OF CLE ELUM
STANDARD DETAIL
ROADWAY SECTION - ALLEY



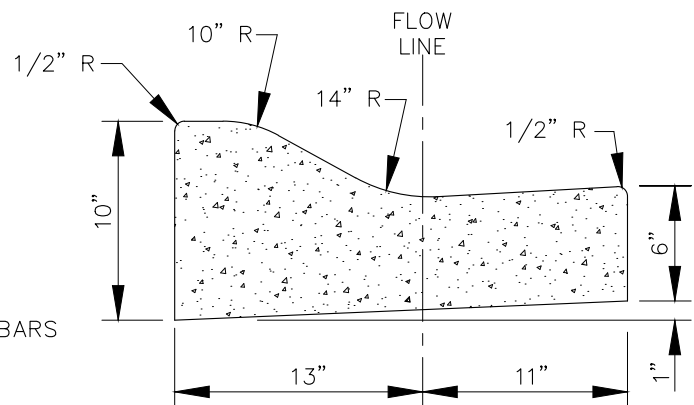
FULL HEIGHT - BARRIER



CONCRETE SPILL CURB



DEPRESSED - DRIVEWAYS



ROLLED CURB

NOTE:

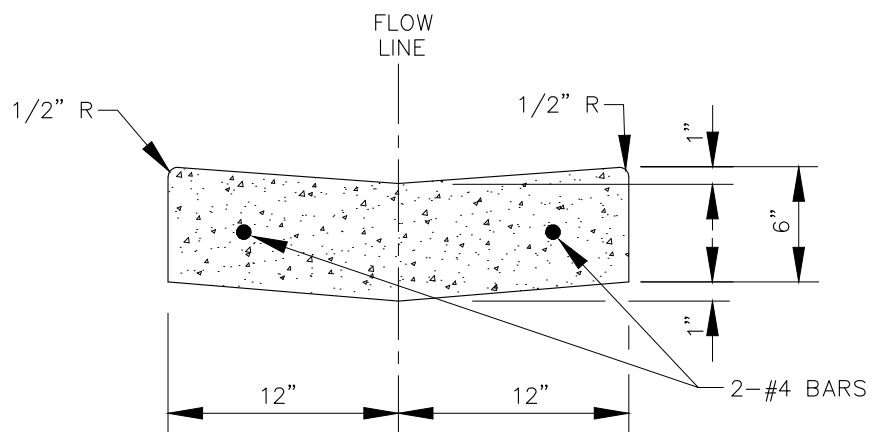
*AS DIRECTED BY ENGINEER. MAY VARY DEPENDING UPON GRADE OF SIDEWALK AND DRIVEWAY BEYOND CURB. FLUSH WITH GUTTER PAN AT CURB ENTRANCE, NO LIP.

NOTE:

TOP OF CURB ELEVATION SHOWN IS TOP OF FULL HEIGHT CURB. SUBTRACT 0.17' FOR TOP OF ROLLED CURB.

NOTES:

1. 3/8" THICK MASTIC EXPANSION JOINT TO BE PLACED AT ALL POINTS OF TANGENCY.
2. FOR STATIONARY FORM CONSTRUCTION STANDARD PLATES AND HALF PLATES TO BE PLACED AT 10'-0" INTERVALS.
3. FOR SLIP-FORM CONSTRUCTION, PROVIDE FULL DEPTH JOINTS AT 10'-0" INTERVALS.
4. BACKFILL BEHIND CURB SHALL EXTEND FROM TOP OF CURB BACK TO A POINT AS DIRECTED BY THE PUBLIC WORKS DIRECTOR. THE TOP 4" OF BACKFILL OR EXISTING MATERIAL SHALL BE OF A FINE GRADED MATERIAL, SUITABLE FOR LAWNS, AND BE DAMPENED AND THEN BE MECHANICALLY COMPACTED TO OBTAIN A REASONABLE LEVEL OF COMPACTION.



VALLEY GUTTER

CONCRETE CURB AND GUTTER

NOT TO SCALE

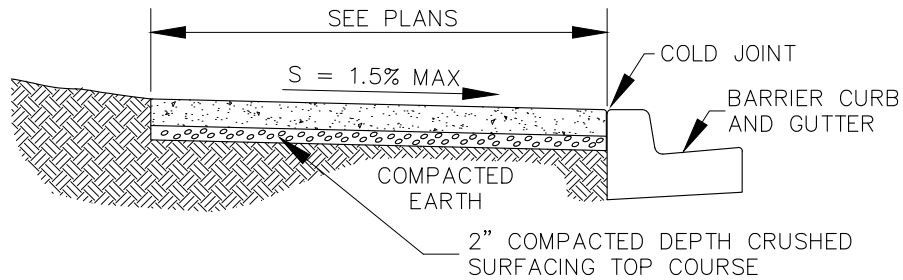
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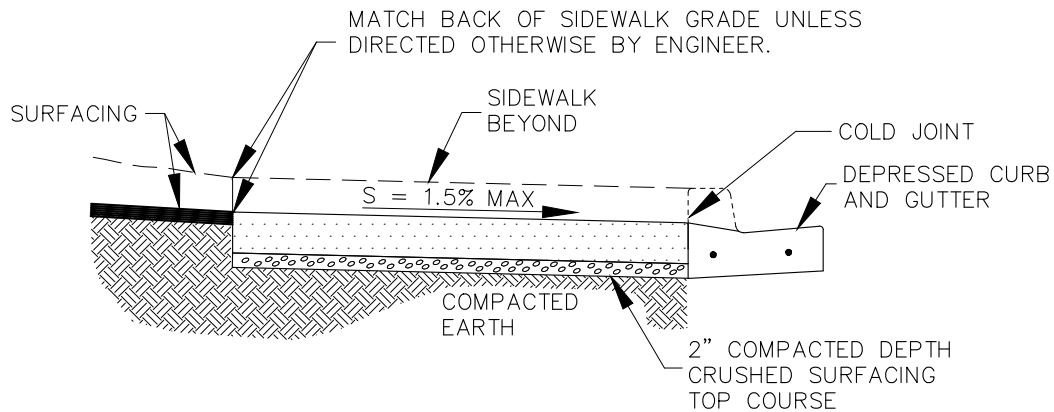
REV.	DATE	DESCRIPTION
1	9-12-24	CONSTRUCTION STANDARDS UPDATE
0	3-01-02	ORIGINAL

UTILITY:
STREET
DETAIL NO.:
ST-5

CITY OF CLE ELUM
STANDARD DETAIL
CONCRETE CURB AND GUTTER



4" THICK SIDEWALK SECTION



6" THICK CONCRETE APPROACHES AT DRIVEWAYS AND ADJACENT TO ROLLED CURBS

NOTES:

1. DRIVEWAYS SHALL MEET REQUIREMENTS OF SECTION 8-06.
2. DRIVEWAY CONCRETE SHALL DEVELOP 2,500 PSI STRENGTH IN 3 DAYS.

CONCRETE SIDEWALK SECTIONS

NOT TO SCALE

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS, SHALL BE USED.



1	9-12-24	CONSTRUCTION STANDARDS UPDATE
0	3-01-02	ORIGINAL
REV.	DATE	DESCRIPTION

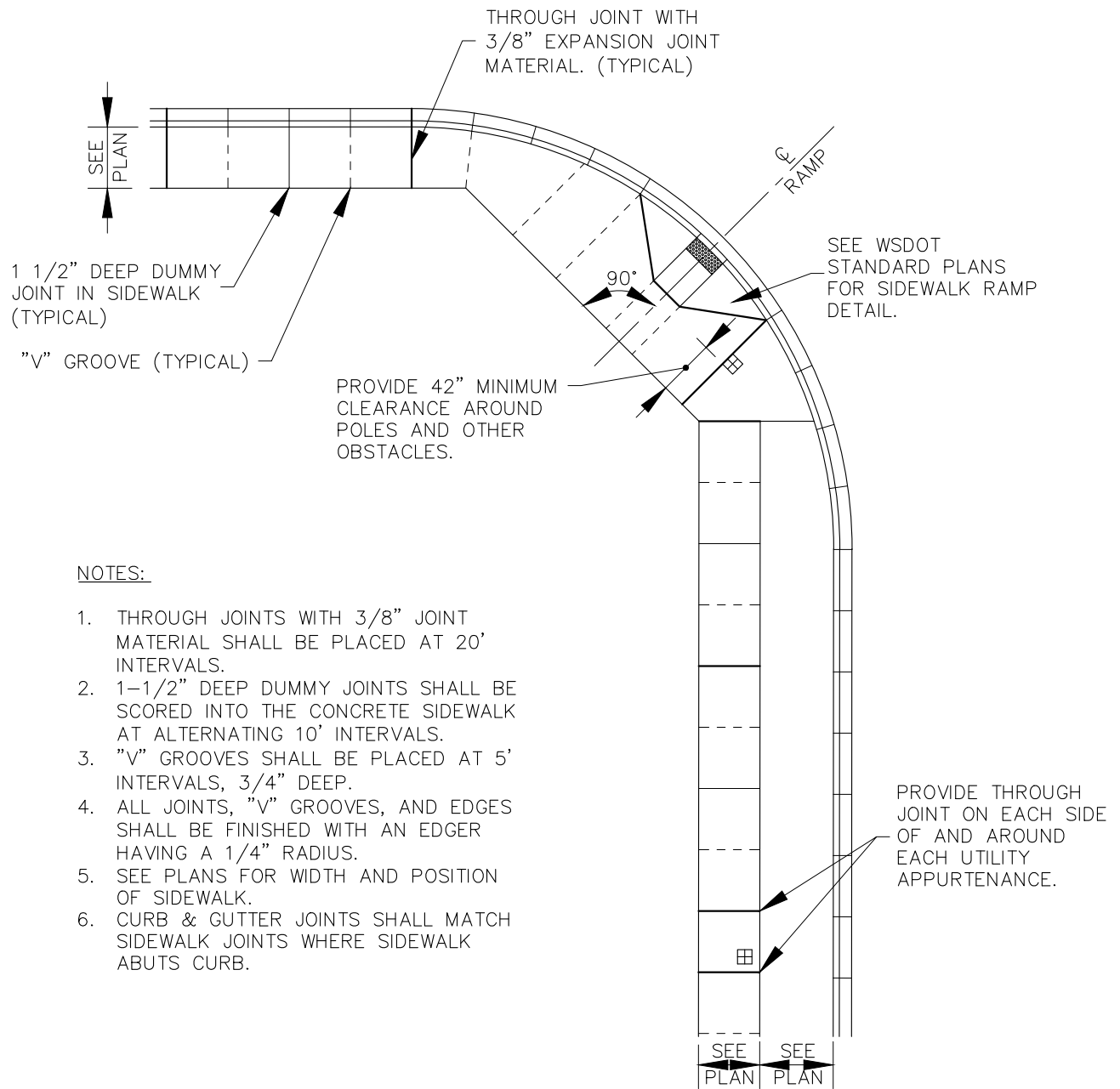
UTILITY:
STREET

DETAIL NO.:
ST-6

CITY OF CLE ELUM

STANDARD DETAIL

CONCRETE SIDEWALK SECTIONS



NOTES:

1. THROUGH JOINTS WITH 3/8" JOINT MATERIAL SHALL BE PLACED AT 20' INTERVALS.
2. 1-1/2" DEEP DUMMY JOINTS SHALL BE SCORED INTO THE CONCRETE SIDEWALK AT ALTERNATING 10' INTERVALS.
3. "V" GROOVES SHALL BE PLACED AT 5' INTERVALS, 3/4" DEEP.
4. ALL JOINTS, "V" GROOVES, AND EDGES SHALL BE FINISHED WITH AN EDGER HAVING A 1/4" RADIUS.
5. SEE PLANS FOR WIDTH AND POSITION OF SIDEWALK.
6. CURB & GUTTER JOINTS SHALL MATCH SIDEWALK JOINTS WHERE SIDEWALK ABUTS CURB.

SIDEWALK JOINTING

NOT TO SCALE

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS, SHALL BE USED.

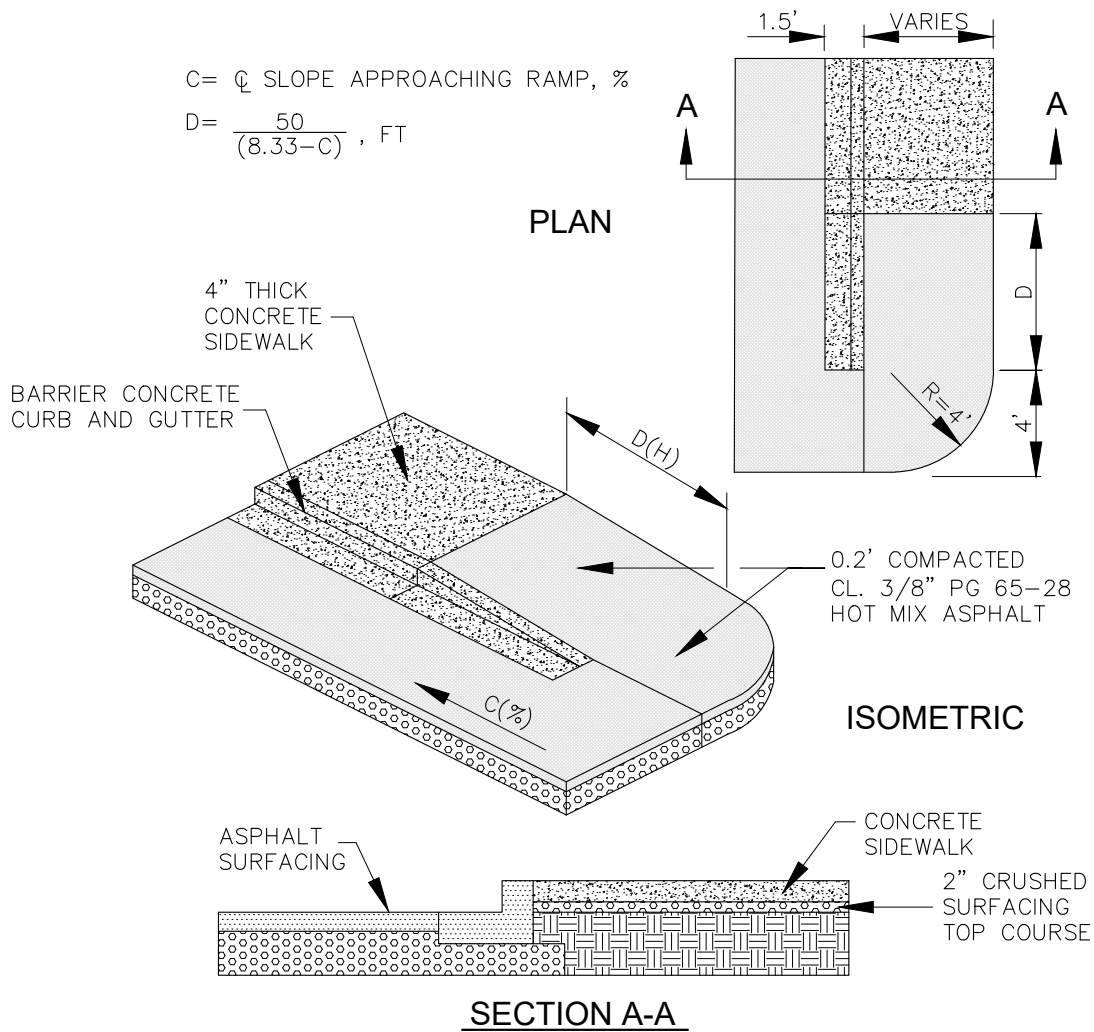


1	9-12-24	CONSTRUCTION STANDARDS UPDATE
0	3-01-02	ORIGINAL
REV.	DATE	DESCRIPTION

UTILITY: STREET
DETAIL NO.: ST-7

CITY OF CLE ELUM

STANDARD DETAIL
SIDEWALK JOINTING

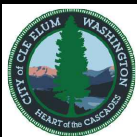


NOTE:
ALL THICKNESSES ARE COMPACTED DEPTHS.

ASPHALT SIDEWALK RAMP

NOT TO SCALE

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS, SHALL BE USED.



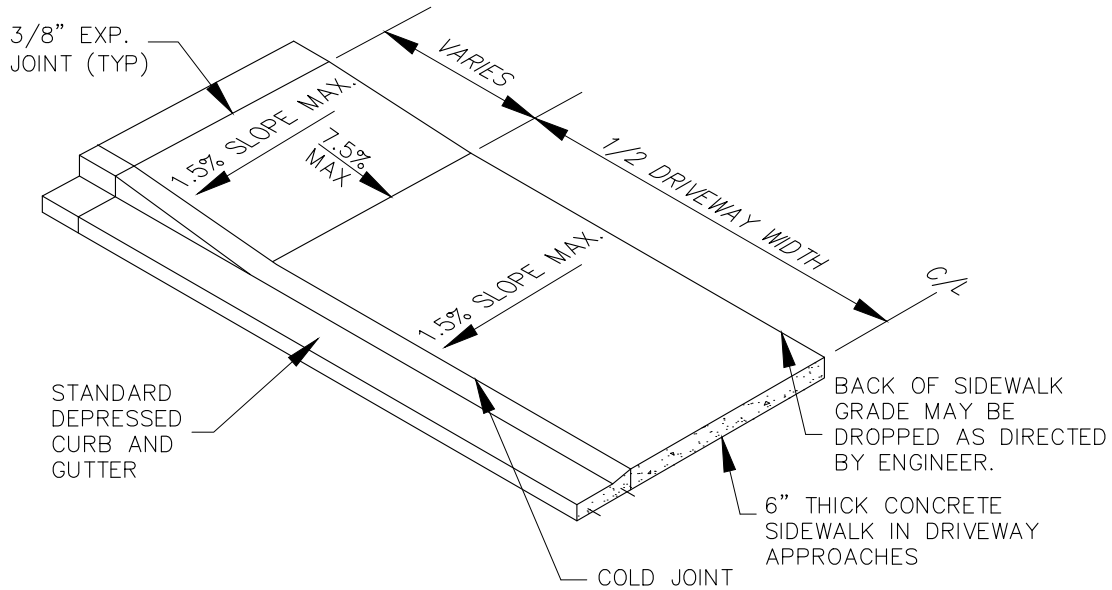
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REV.	DATE	DESCRIPTION

UTILITY:
STREET

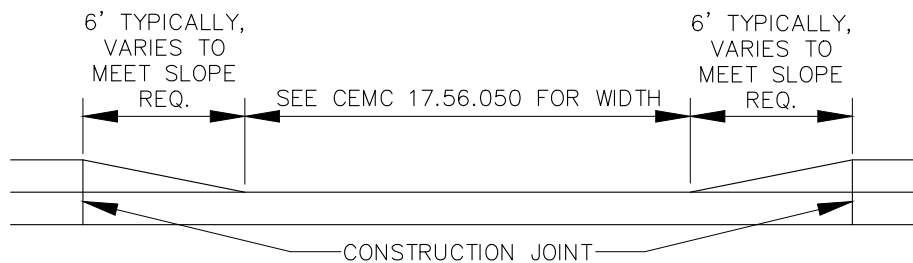
DETAIL NO.:
ST-8

CITY OF CLE ELUM

STANDARD DETAIL
ASPHALT SIDEWALK RAMP



ISOMETRIC VIEW



ELEVATION VIEW

NOTES:

1. REINFORCEMENT NOT SHOWN FOR CLARITY. EXTEND REINFORCEMENT TO CONSTRUCTION JOINTS.
2. DRIVEWAYS ARE CONCRETE APPROACHES PER SECTION 8-06.
3. DRIVEWAY CONCRETE SHALL DEVELOP 2,500 PSI STRENGTH IN 3 DAYS.

RESIDENTIAL DRIVEWAY APPROACH

NOT TO SCALE

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS, SHALL BE USED.



REV.	DATE	DESCRIPTION
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0	3-01-02	ORIGINAL

UTILITY:
STREET

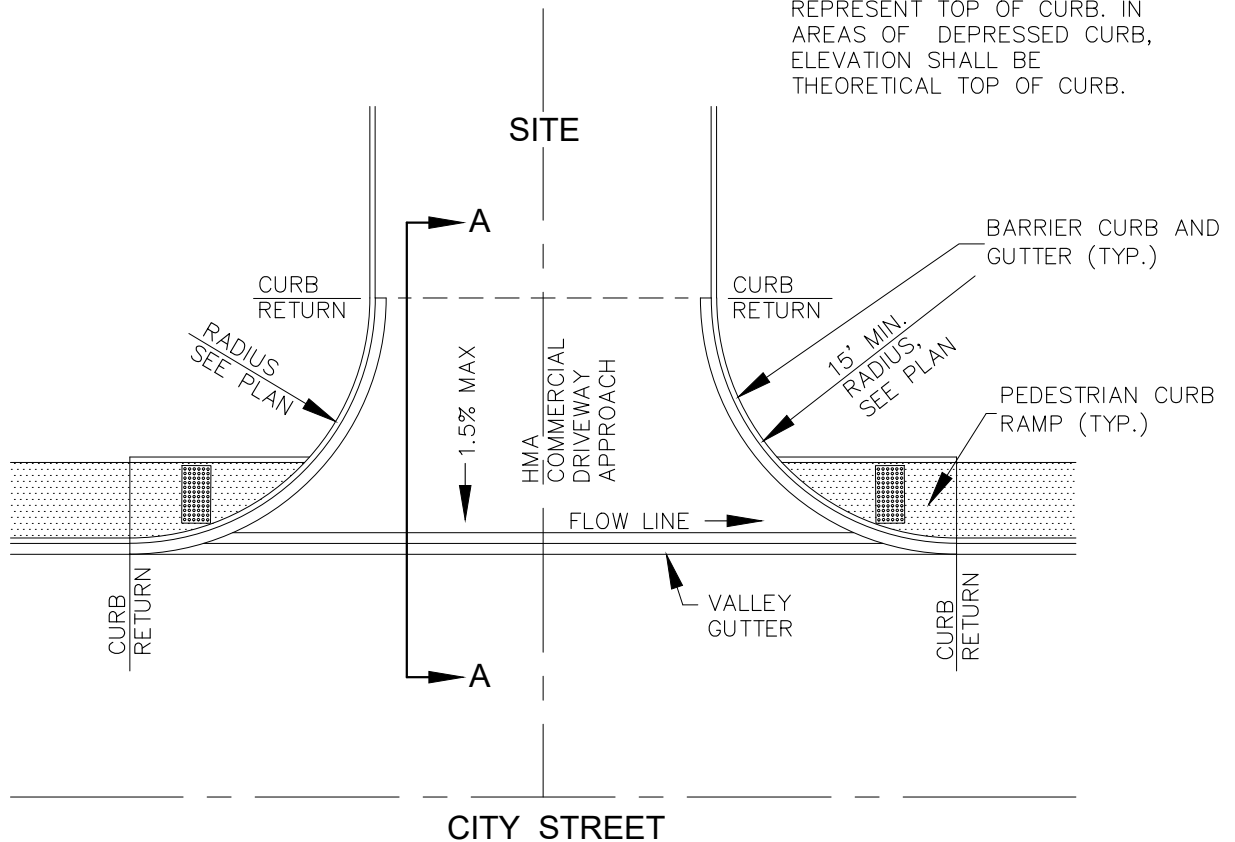
DETAIL NO.:
ST-9

CITY OF CLE ELUM

STANDARD DETAIL

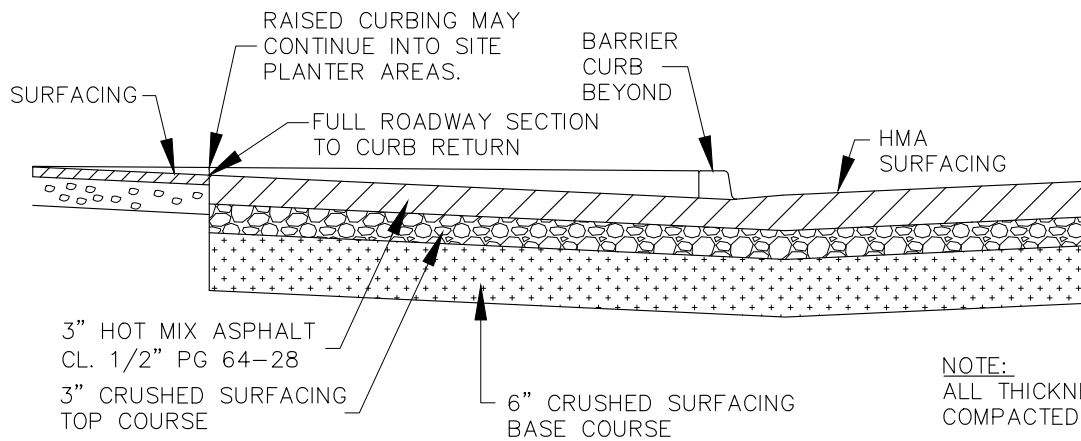
RESIDENTIAL DRIVEWAY APPROACH

NOTE:
ALL ELEVATIONS SHALL
REPRESENT TOP OF CURB. IN
AREAS OF DEPRESSED CURB,
ELEVATION SHALL BE
THEORETICAL TOP OF CURB.



NOTE:
ST-11A ALTERNATE AVAILABLE
FOR USE FOLLOWING
APPROVAL BY PUBLIC WORKS
DIRECTOR.

PLAN



SECTION A-A

COMMERCIAL DRIVEWAY APPROACH

NOT TO SCALE

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE
DIRECTOR OF PUBLIC WORKS, SHALL BE USED.



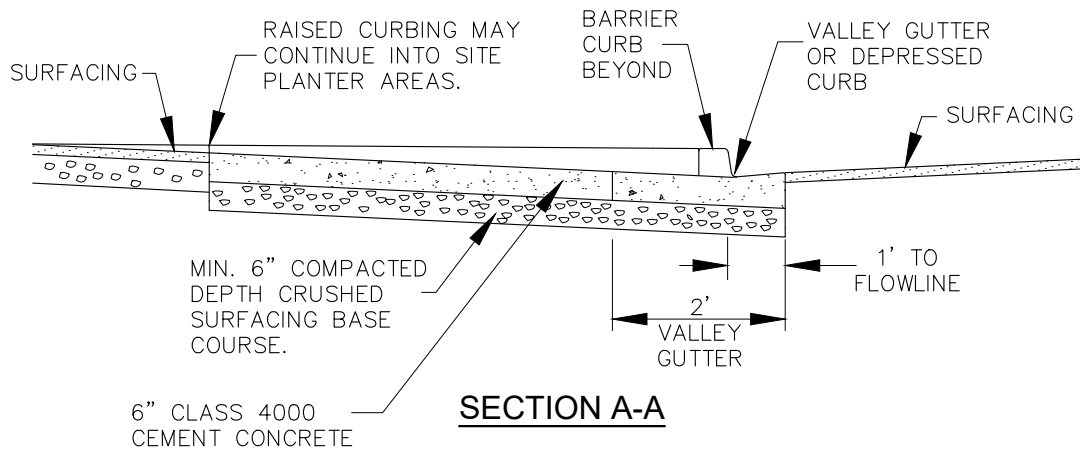
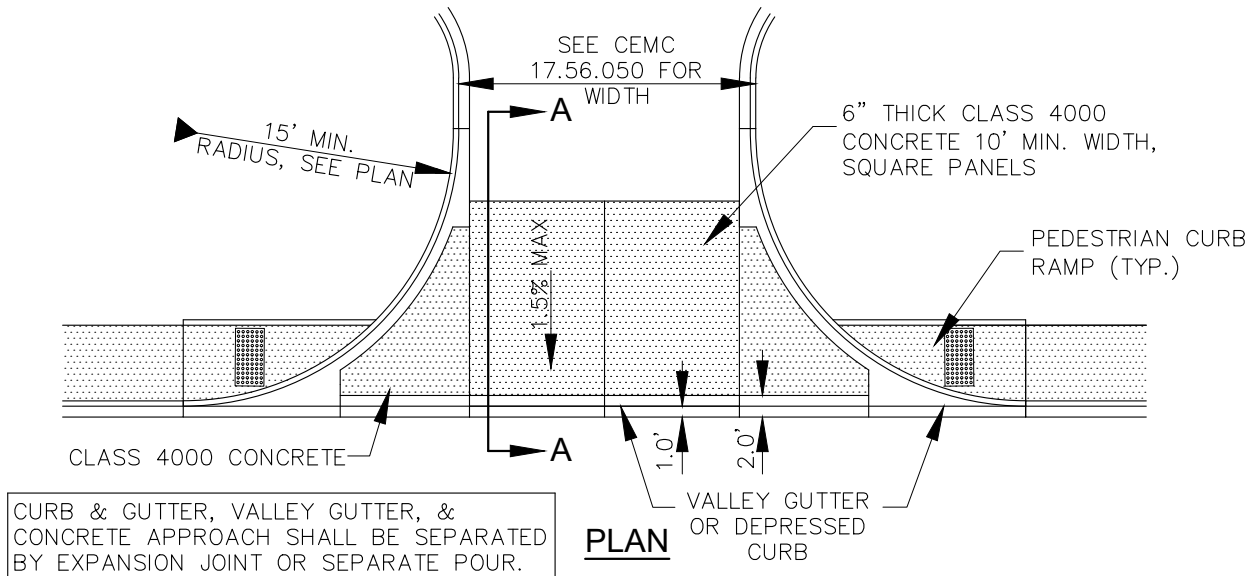
0	9-12-24	ORIGINAL
REV.	DATE	DESCRIPTION

UTILITY: STREET
DETAIL NO.: ST-10

CITY OF CLE ELUM
STANDARD DETAIL
COMMERCIAL DRIVEWAY APPROACH

NOTE:

COMMERCIAL DRIVEWAY APPROACH ALTERNATE SHALL BE REQUIRED WHEN 5 OR MORE HEAVY VEHICLES ARE PROJECTED TO ENTER SITE DAILY, OR BY THE DISCRETION OF THE PUBLIC WORKS DIRECTOR. DEVELOPER MAY ELECT TO USE ALTERNATE ON OWN TERMS WITH APPROVAL BY PUBLIC WORKS DIRECTOR.



COMMERCIAL DRIVEWAY APPROACH - ALT.

NOT TO SCALE

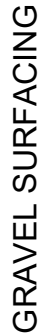
NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS, SHALL BE USED.



0	9-12-24	ORIGINAL
REV.	DATE	DESCRIPTION

UTILITY: STREET
DETAIL NO.: ST-11

CITY OF CLE ELUM
STANDARD DETAIL
COMMERCIAL DRIVEWAY APPROACH - ALT.



* HMA DEPTH SHALL BE BASED UPON ROADWAY CLASSIFICATION



TRENCH SURFACING REPAIR

NOT TO SCALE

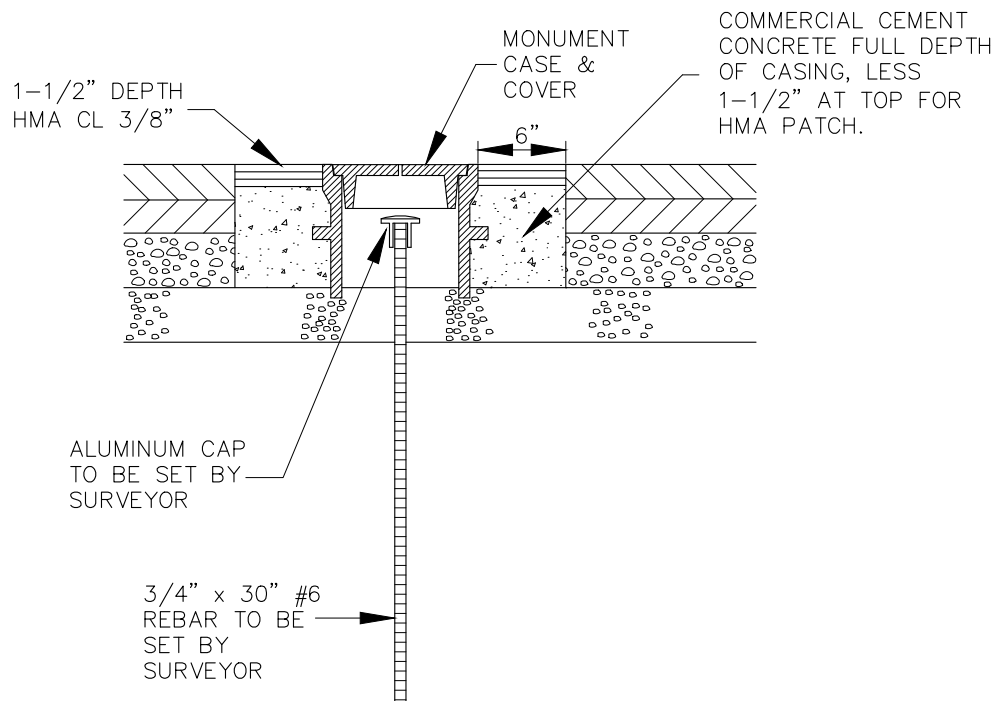
- NOTES:
1. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRENCH SURFACE RESTORATION BEYOND THE LIMITS SHOWN, INCLUDING WIDER TRENCH SECTIONS RESULTING FROM LAYING BACK TRENCH SIDES AT THE CONTRACTORS OPTION. NO MEASUREMENT OR PAYMENT WILL BE MADE FOR SURFACE REPAIR BEYOND THE PAYMENT LIMITS.
 2. NO AREA REQUIRING ASPHALT CONCRETE SURFACING REPAIR SHALL REMAIN UNPAVED FOR MORE THAN FIVE WORKING DAYS FOLLOWING INITIAL EXCAVATION.
 3. IF HMA PATCH IS COMPLETED BETWEEN NOVEMBER AND MARCH, COLD MIX ASPHALT MAY BE INSTALLED TEMPORARILY. COLD MIX SHALL BE REPLACED WITH HMA TO THE STANDARDS SHOWN BY MAY 1ST OF THAT YEAR.
 4. ALL THICKNESSES ARE COMPACTED DEPTHS.
 5. RESTORATION IN SR 903 LIMITS SHALL REQUIRE WSDOT REVIEW AND APPROVAL.

UTILITY: STREET
DETAIL NO.: ST-12

CITY OF CLE ELUM

STANDARD DETAIL

TRENCH SURFACING REPAIR



NOTES:

1. TOP OF MONUMENT CAP SHALL BE 3" BELOW FINISH GRADE.
2. MONUMENT, MONUMENT CASE & COVER TO BE PLACED AFTER FINAL LIFT OF HMA.
3. MONUMENT CASE, COVER AND RISERS SHALL MEET REQUIREMENTS OF SECTION 9-22 AS MANUFACTURED BY OLYMPIC FOUNDRY OR EQUAL.

MONUMENT DETAIL

NOT TO SCALE

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS, SHALL BE USED.



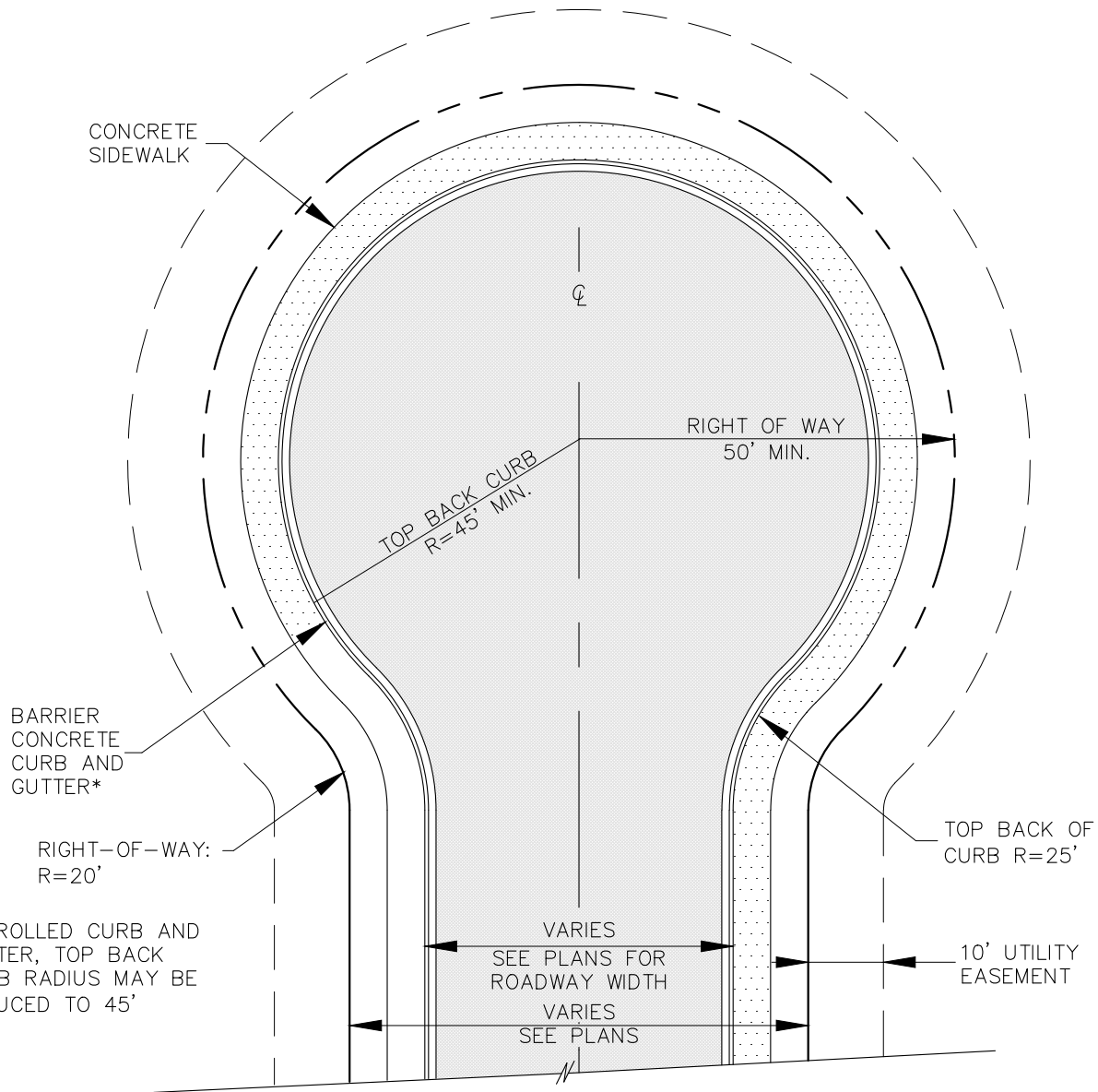
1	9-12-24	CONSTRUCTION STANDARDS UPDATE
0	3-01-02	ORIGINAL
REV.	DATE	DESCRIPTION

UTILITY:
STREET

DETAIL NO.:
ST-13

CITY OF CLE ELUM

STANDARD DETAIL
MONUMENT DETAIL



PLAN VIEW
NOT TO SCALE

CUL-DE-SAC LAYOUT

NOT TO SCALE

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS, SHALL BE USED.

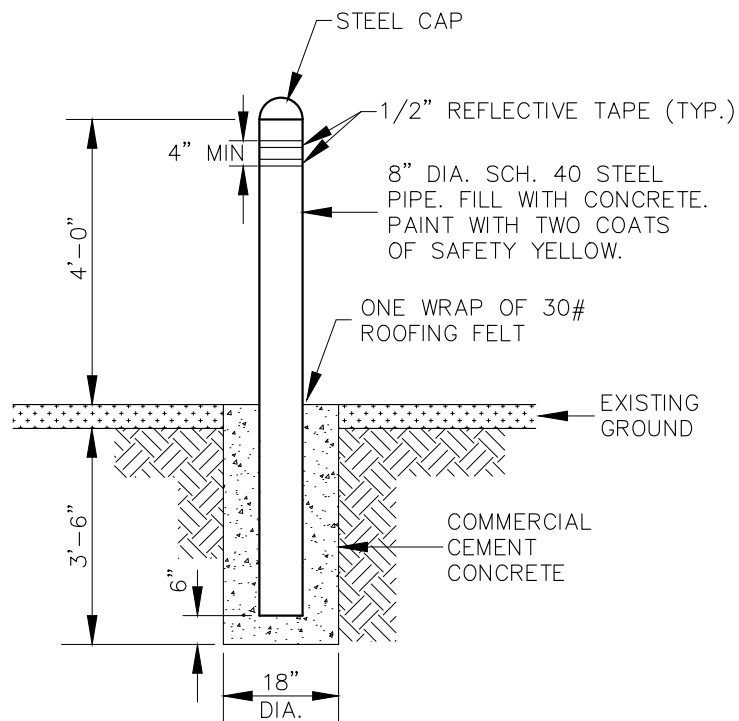


0	9-12-24	ORIGINAL
REV.	DATE	DESCRIPTION

UTILITY:
STREET

DETAIL NO.:
ST-14

CITY OF CLE ELUM
STANDARD DETAIL
CUL-DE-SAC LAYOUT



PERMANENT BOLLARD

NOT TO SCALE

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS, SHALL BE USED.



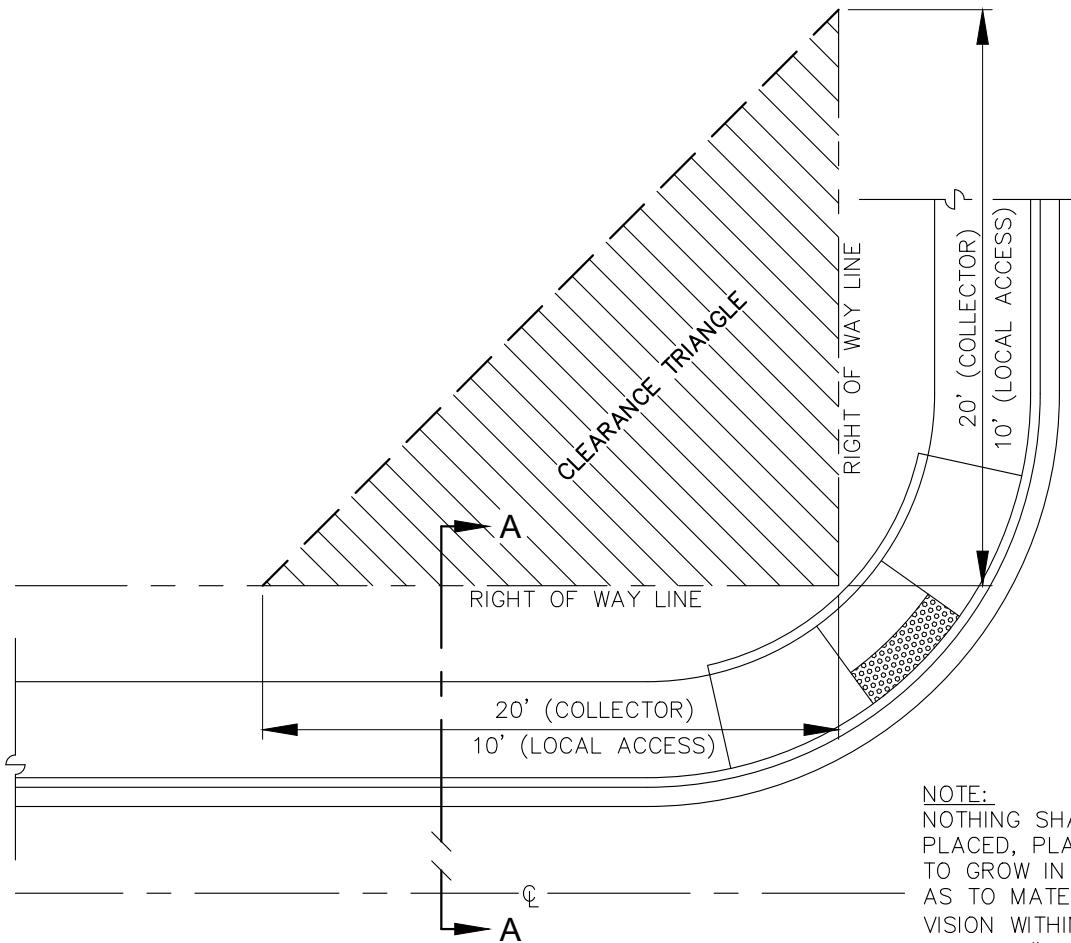
0	9-12-24	ORIGINAL
REV.	DATE	DESCRIPTION

UTILITY:
STREET

DETAIL NO.:
ST-15

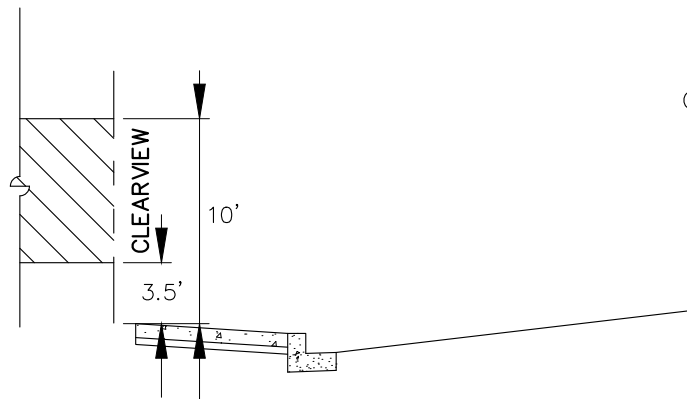
CITY OF CLE ELUM

STANDARD DETAIL
PERMANENT BOLLARD



PLAN

NOTE:
NOTHING SHALL BE ERECTED,
PLACED, PLANTED OR ALLOWED
TO GROW IN SUCH A MANNER
AS TO MATERIALLY IMPEDE
VISION WITHIN THE "CLEARANCE
TRIANGLE" AREA SHOWN HERE.



SECTION A-A

CORNER LOT VISION CLEARANCE

NOT TO SCALE

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE
DIRECTOR OF PUBLIC WORKS, SHALL BE USED.

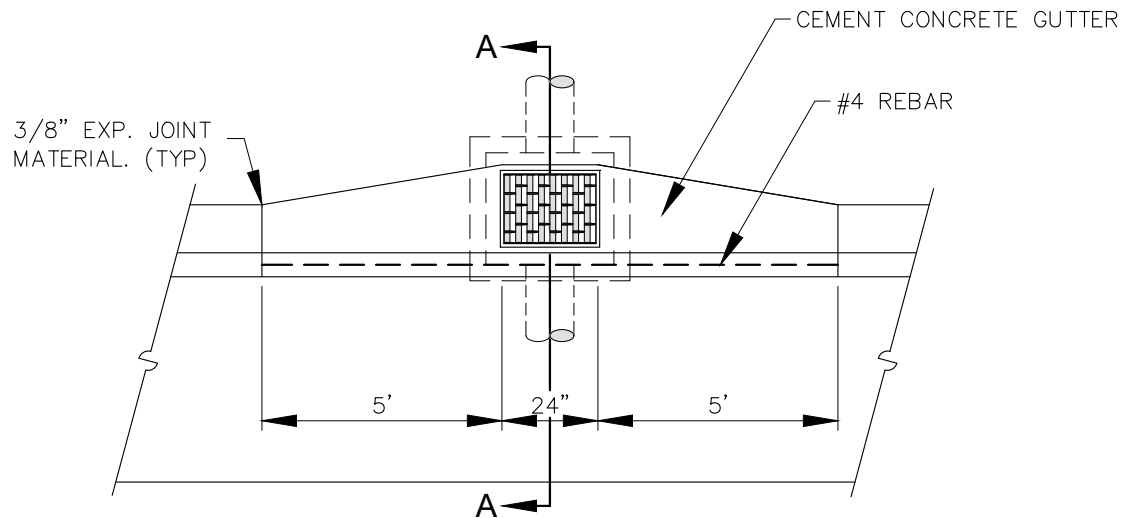


0	9-12-24	ORIGINAL
REV.	DATE	DESCRIPTION

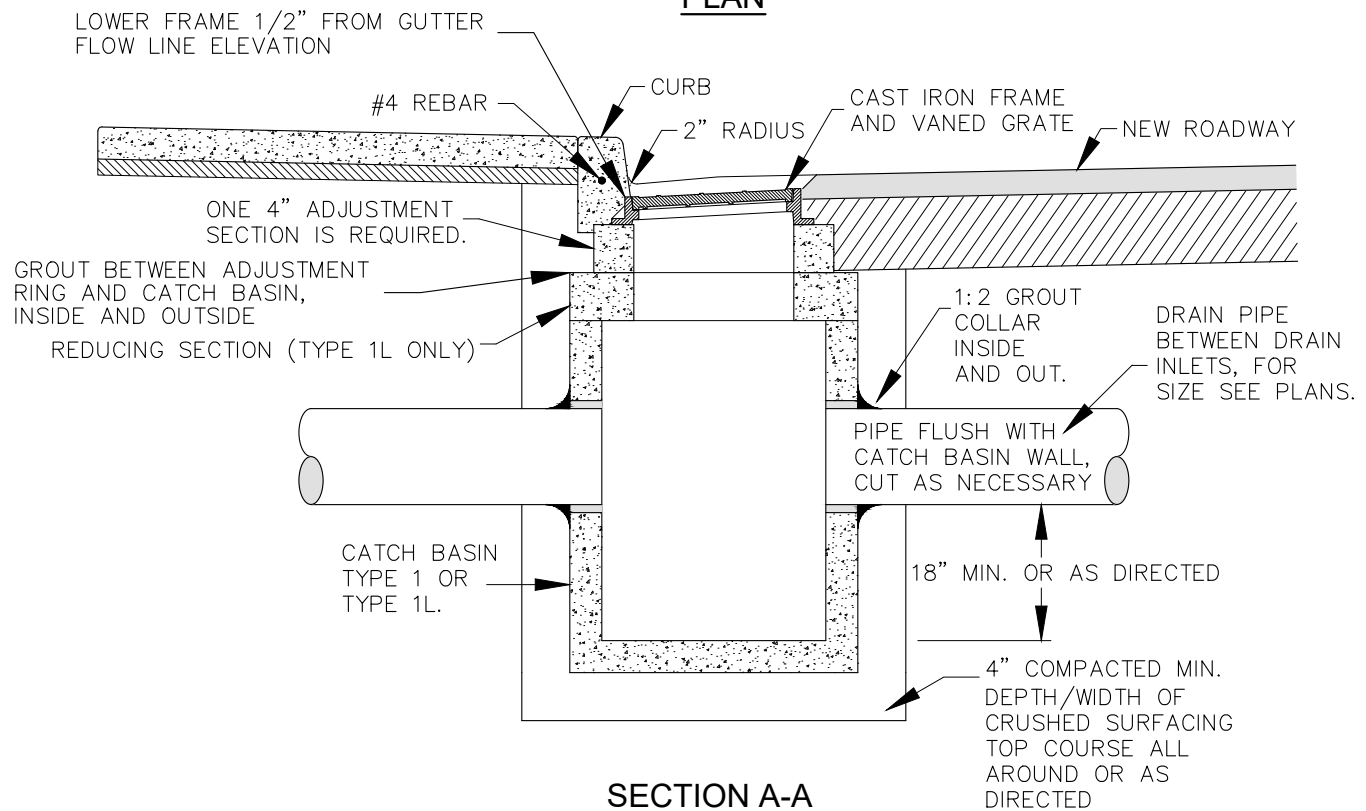
UTILITY:
STREET

DETAIL NO.:
ST-16

CITY OF CLE ELUM
STANDARD DETAIL
CORNER LOT VISION CLEARANCE



PLAN



SECTION A-A

CATCH BASIN - TYPE 1/1L

NOT TO SCALE

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS, SHALL BE USED.

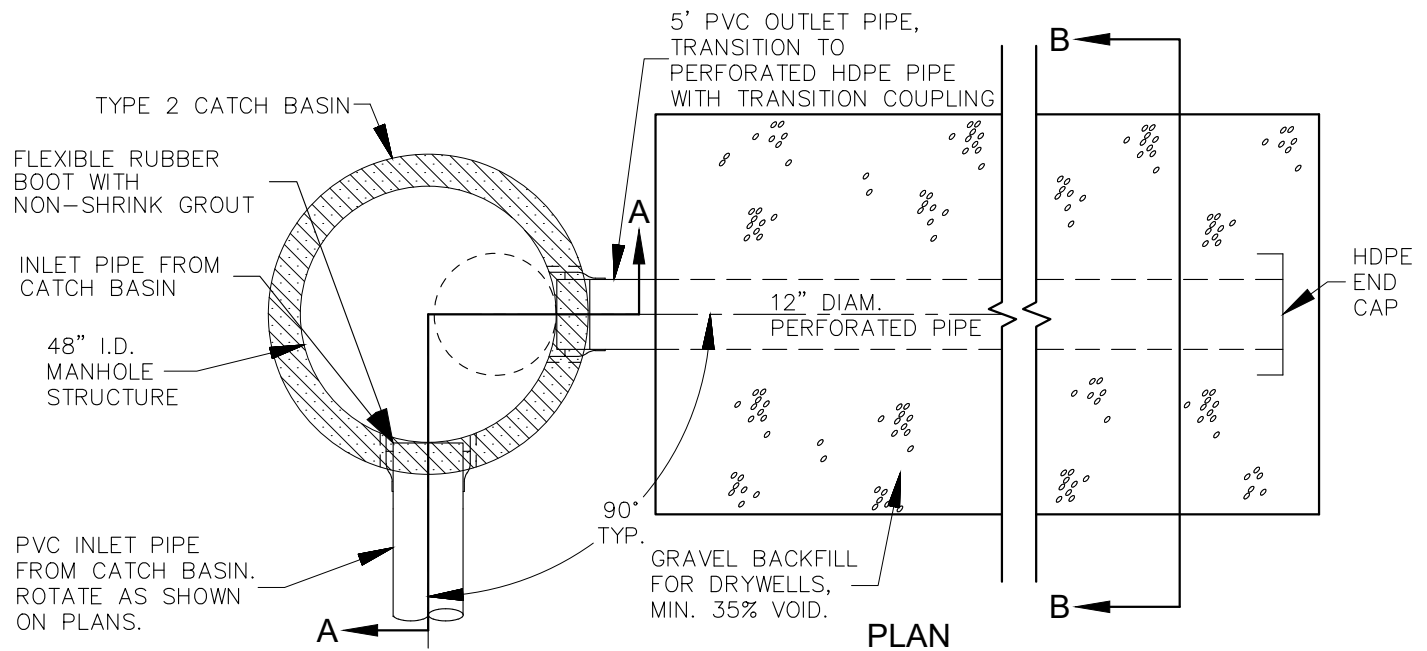
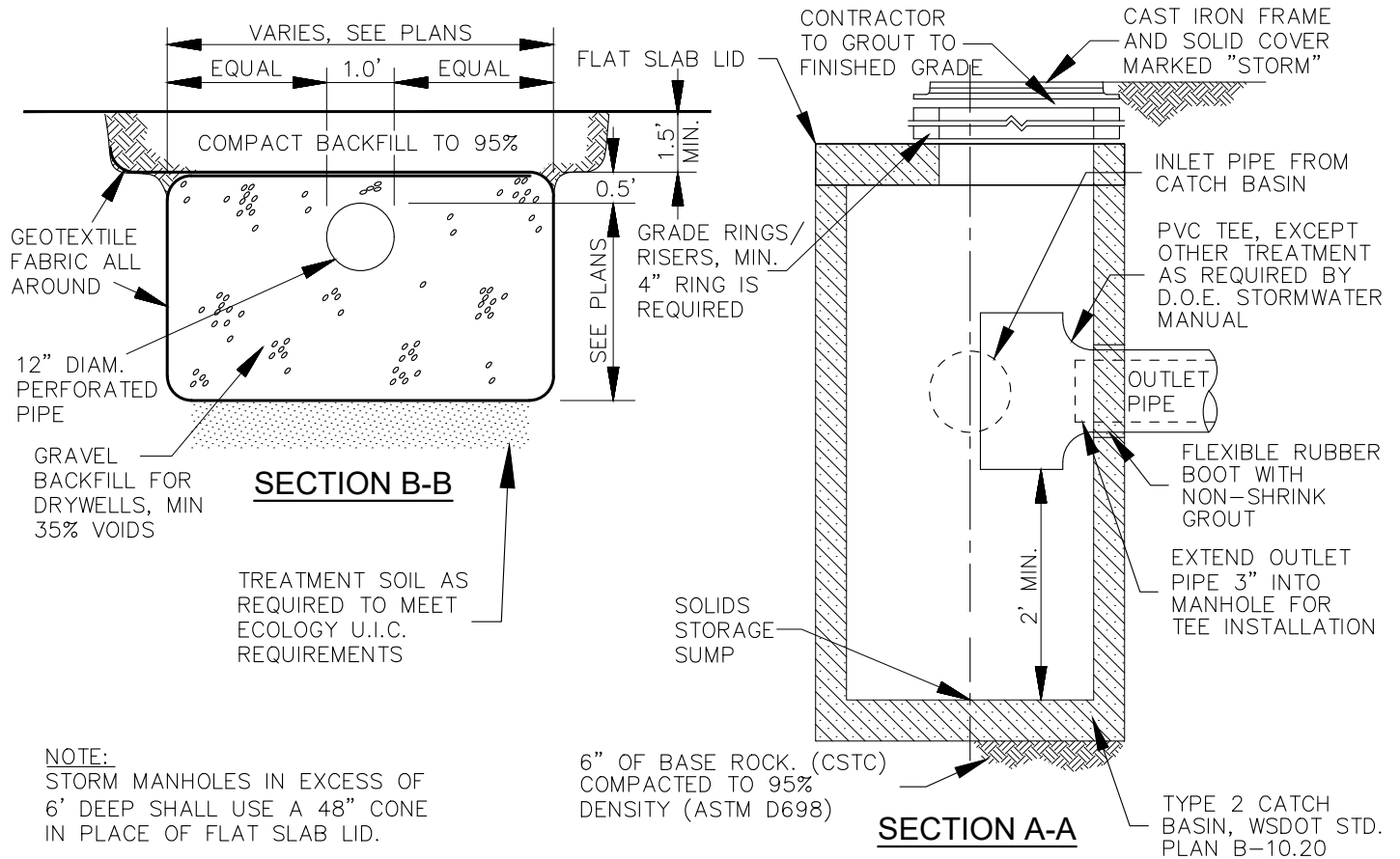


REV.	DATE	DESCRIPTION
1	9-12-24	CONSTRUCTION STANDARDS UPDATE
0	1-21-02	ORIGINAL

UTILITY: STORM
DETAIL NO.: D-1

CITY OF CLE ELUM

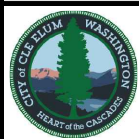
STANDARD DETAIL
CATCH BASIN - TYPE 1/1L



INFILTRATION SYSTEM

NOT TO SCALE

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS, SHALL BE USED.



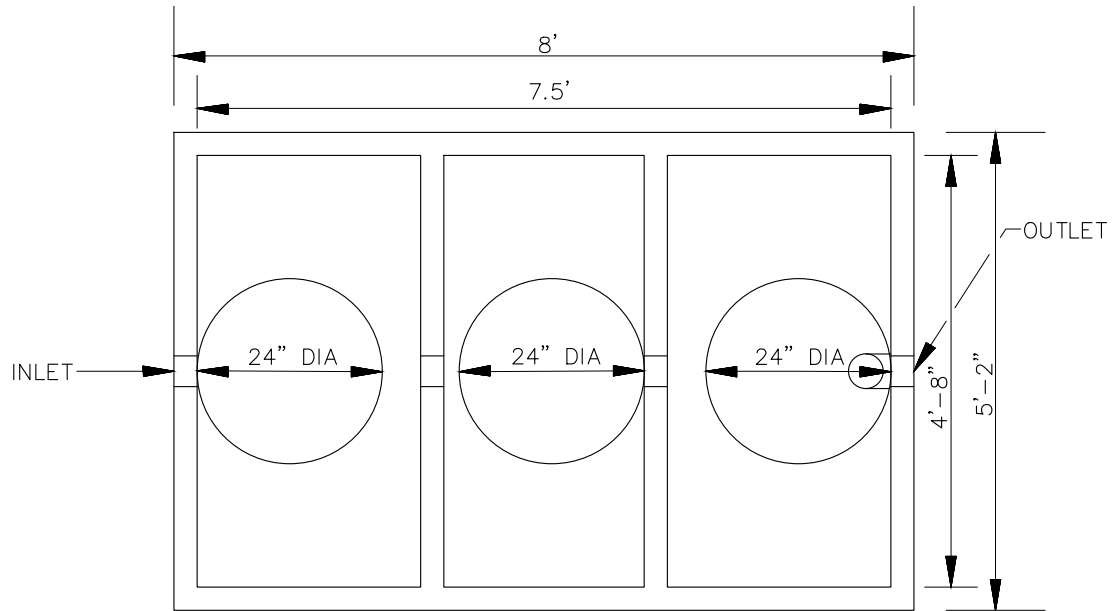
0	9-12-24	ORIGINAL
REV.	DATE	DESCRIPTION

UTILITY:
STORM

DETAIL NO.:
D-2

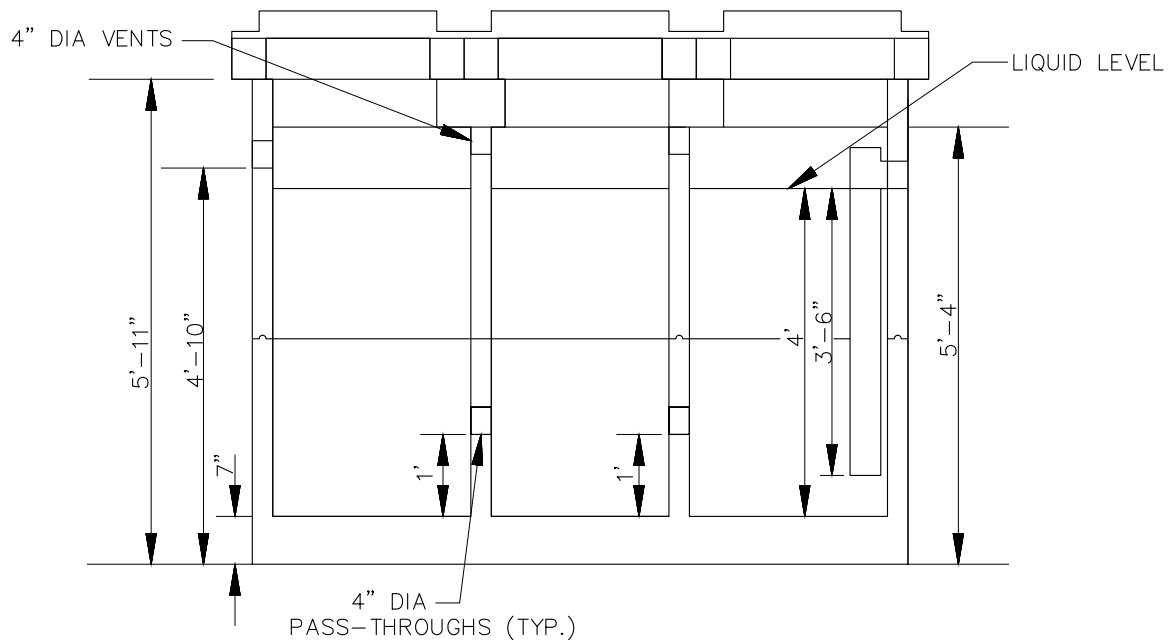
CITY OF CLE ELUM

STANDARD DETAIL
INFILTRATION SYSTEM



1,000 GALLON 3 COMPARTMENT SEPARATOR

4X24 CAST IRON "GAS
TIGHT" OR "SEWER"
GRADE RINGS AS NEEDED.



SECTION

NOTES:

1. 2-PIECE CONSTRUCTION WITH BUTYL TAPE SEAL
2. REINFORCEMENT:
TOP AND BOTTOM:
#4 BARS AT 12"OC LENGTHWISE
#5 BARS AT 9"OC WIDTHWISE.
SIDES: 6X6-10/10 WIRE MESH
3. 4" PRESS SEAL @ INLET - 4" PRESS SEAL @ OUTLET

OIL/WATER SEPARATOR

NOT TO SCALE

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE
DIRECTOR OF PUBLIC WORKS, SHALL BE USED.

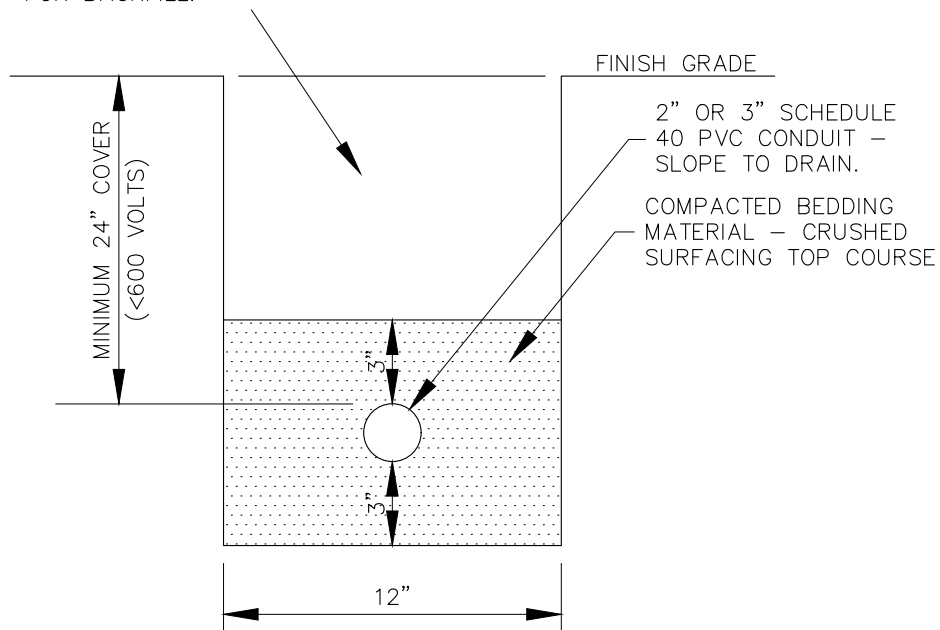


0	9-12-24	ORIGINAL
REV.	DATE	DESCRIPTION

UTILITY: STORM
DETAIL NO.: D-3

CITY OF CLE ELUM
STANDARD DETAIL
OIL/WATER SEPARATOR

COMPACTED NATIVE MATERIAL.
ROADWAY AND COMMERCIAL
DRIVEWAY CROSSINGS SHALL BE
SELECT BACKFILL OR AS DIRECTED
BY PUBLIC WORKS DIRECTOR. NO
UNSUITABLE MATERIAL TO BE USED
FOR BACKFILL.



NOTE:

ALL CONDUIT RUNS CROSSING ROADWAYS SHALL
INCLUDE A 2" SPARE CONDUIT INSTALLED
PARALLEL TO THE MAIN RUN, COMPLETE WITH
PULL CORDS AND CAPS.

CONDUIT TRENCH SECTION

NOT TO SCALE

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE
DIRECTOR OF PUBLIC WORKS, SHALL BE USED.

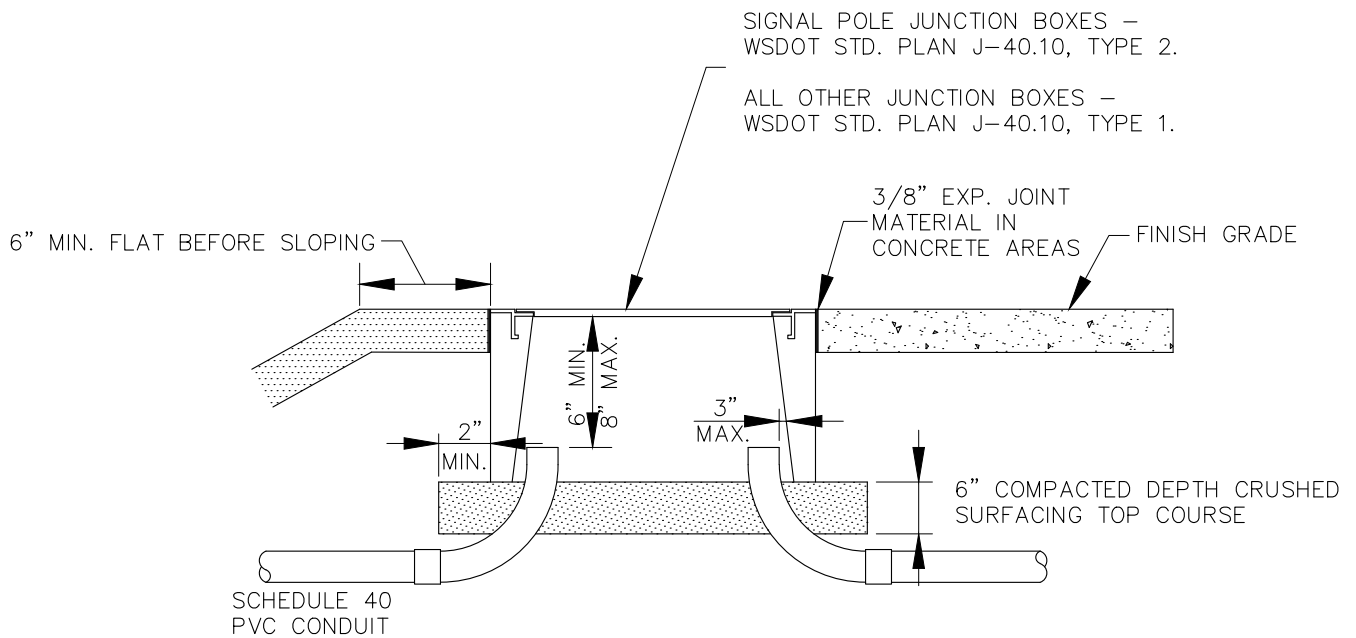


0	9-12-24	ORIGINAL
REV.	DATE	DESCRIPTION

UTILITY:
ELECT.

DETAIL NO.:
E-1

CITY OF CLE ELUM
STANDARD DETAIL
CONDUIT TRENCH SECTION



CONDUIT ENTRANCE AT JUNCTION BOX

NOT TO SCALE

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE
DIRECTOR OF PUBLIC WORKS, SHALL BE USED.

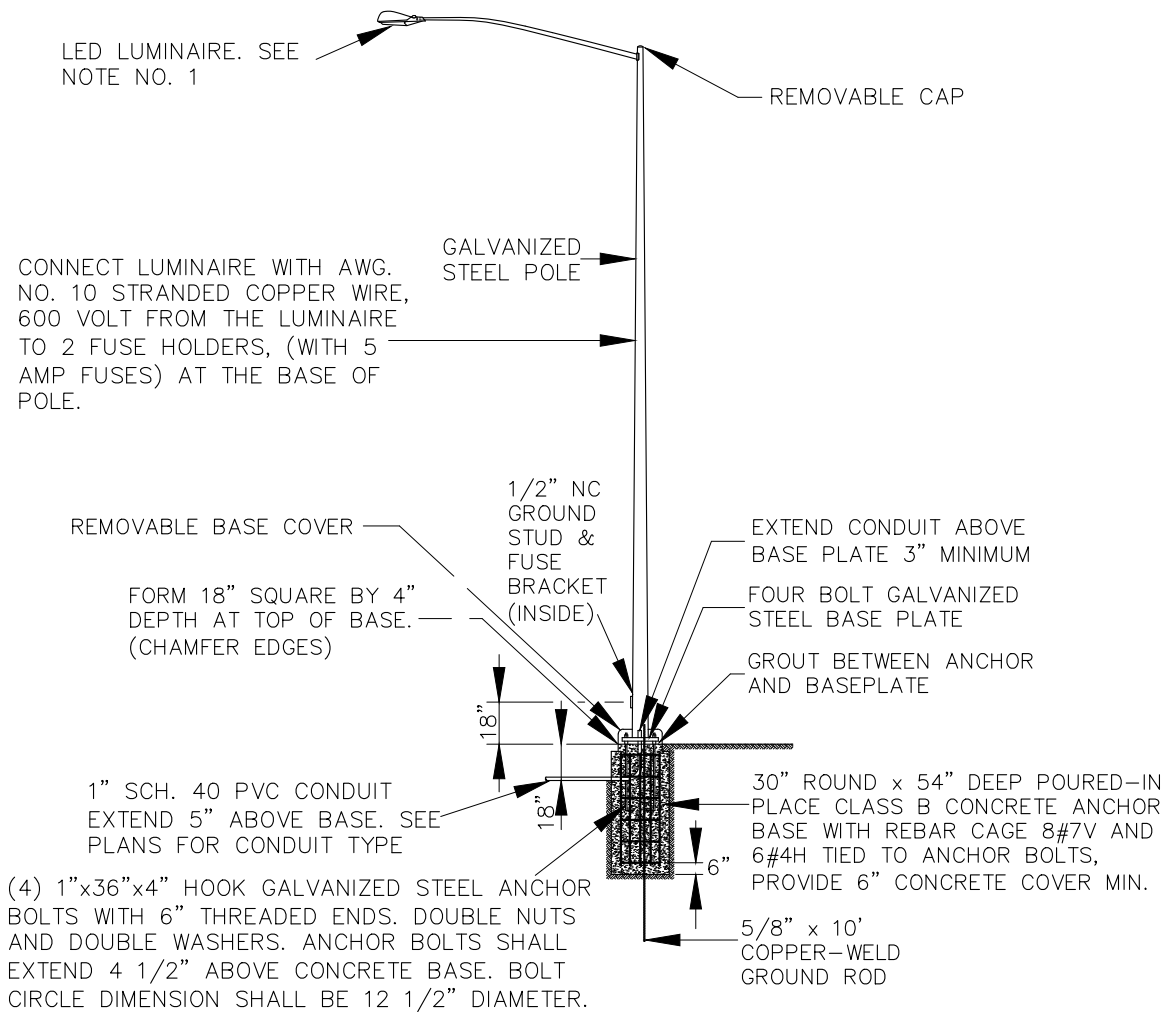


0	9-12-24	ORIGINAL
REV.	DATE	DESCRIPTION

UTILITY:
ELECT.

DETAIL NO.:
E-2

CITY OF CLE ELUM
STANDARD DETAIL
CONDUIT ENTRANCE AT JUNCTION BOX



NOTES:

1. SEE CONSTRUCTION STANDARDS FOR ALL MATERIAL TYPES AND MODELS.

STREET LIGHT

NOT TO SCALE

NOTE: ONLY THE LATEST DETAIL, AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS, SHALL BE USED.



0	9-12-24	ORIGINAL
REV.	DATE	DESCRIPTION

UTILITY: ELECT.
DETAIL NO.: E-3

CITY OF CLE ELUM
STANDARD DETAIL
STREET LIGHT



Katie Egresi, *Communications Manager*
Mountains to Sound Greenway Trust

206.678.2183 (cell)

katie.egresi@mtsgreenway.org

We'd love to see you out in the Mountains to Sound Greenway National Heritage Area this summer! Check out our [calendar of upcoming events](#), where you'll find volunteer opportunities, interpretive events, and more.

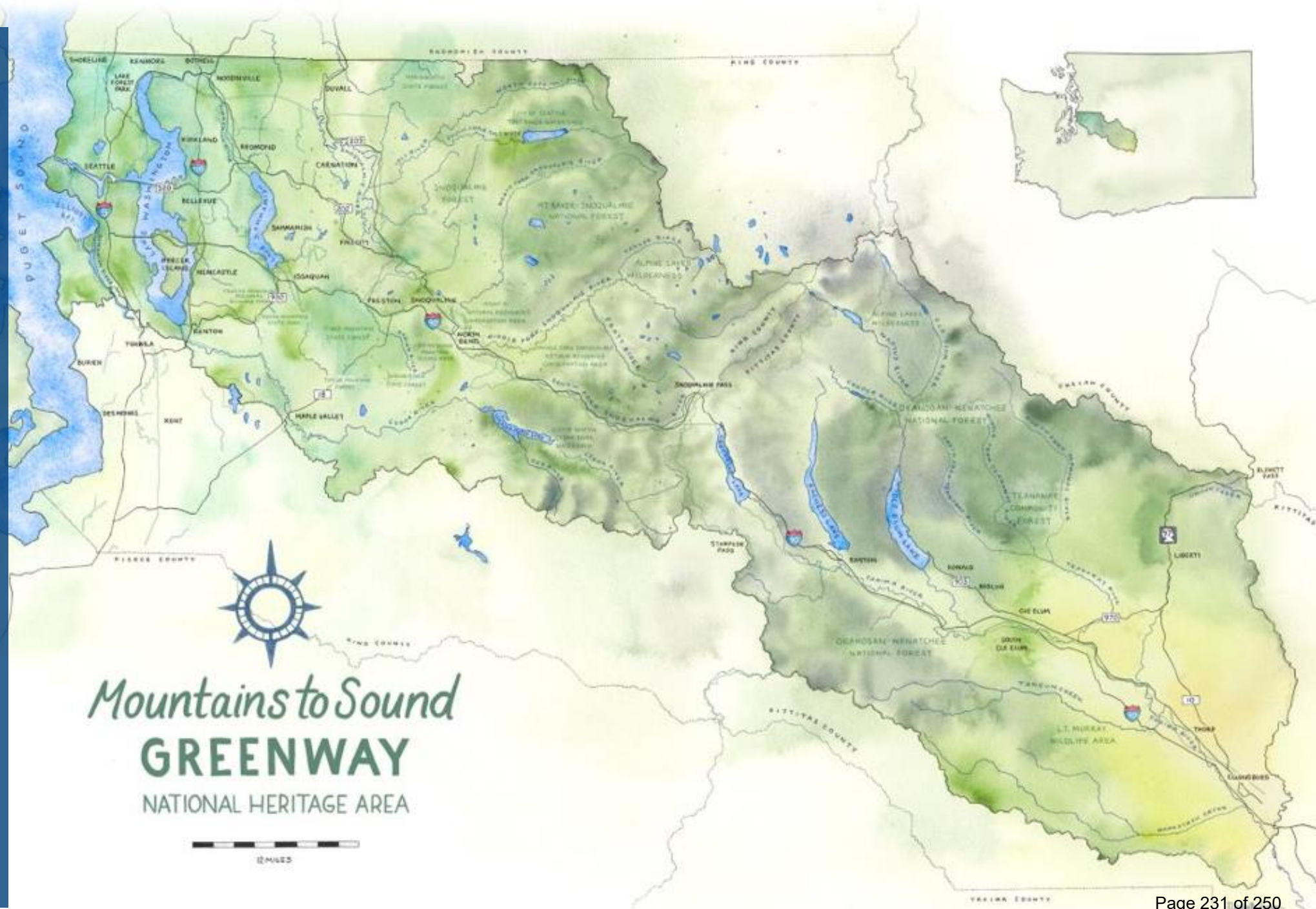
Follow us: [Instagram](#) | [Facebook](#)



The Mountains to Sound Greenway National Heritage Area

1.5 million acres (100 miles)
along the I-90 corridor from
Seattle to Ellensburg

Encompasses fastest-growing metro area in the nation, small towns, working farms and forests, deep culture and heritage, wild rivers, and alpine wilderness



What is a National Heritage Area?



A MEMBER OF THE

**National Heritage
Area System**

- **Nationally** significant place
- **Designated** by Congress
- Model for **shared responsibility** within a landscape

Kiosk Update Project

- 9 kiosks, originally installed in 2011
- Working with interpretive consultant: *Partners in Design*
- New signs installed by Nov. 30, 2025 (stipulated by a grant)



Locations:

1. Mercer Island Lid Park
2. Tiger Mountain Trailhead at High Point
3. Lake Sammamish State Park
4. Snoqualmie Point Park
5. Rattlesnake Mountain Trailhead
6. Rattlesnake Ledge Trailhead
7. Mt. Si Trailhead
8. Hyak at Snoqualmie Pass
9. **Flag Pole Park across from Wye Park**

Kiosk Elements

- NHA branding and messaging
- Tribal heritage
- Site-specific stories
- Stewardship call-to-action
- Map(s)



Input Process

- Greenway Trust staff and board members
- 5 Tribes within Greenway NHA
- Land managers / cities
- Subject matter experts



Your Input

- Area-specific story ideas for Cle Elum (focus on under-told/lesser-known)
- Points of interest to potentially include on map
- Other interpretation/signage projects to consider

From the time of earliest settlement, people have looked for ways to get over Snoqualmie Pass, first for necessity and later for fun as well. It's hard to imagine that the difficult trip over Indian trails or pioneer wagon roads were much fun, but with the invention of the automobile, things became a bit more interesting.

In 1867 the Wagon Road was completed from Seattle to Ellensburg, and the trip could take days. In winter, the trip was impossible. People must have been pretty tough to endure such a trip.

*The first autos crossed the pass in 1905.
Below: the Sunset Highway near Lake Keechelus in 1911 — it was officially opened in 1915.*



Courtesy of Ellensburg Public Library



University of Washington Libraries Special Collections
Negative number UW 1354

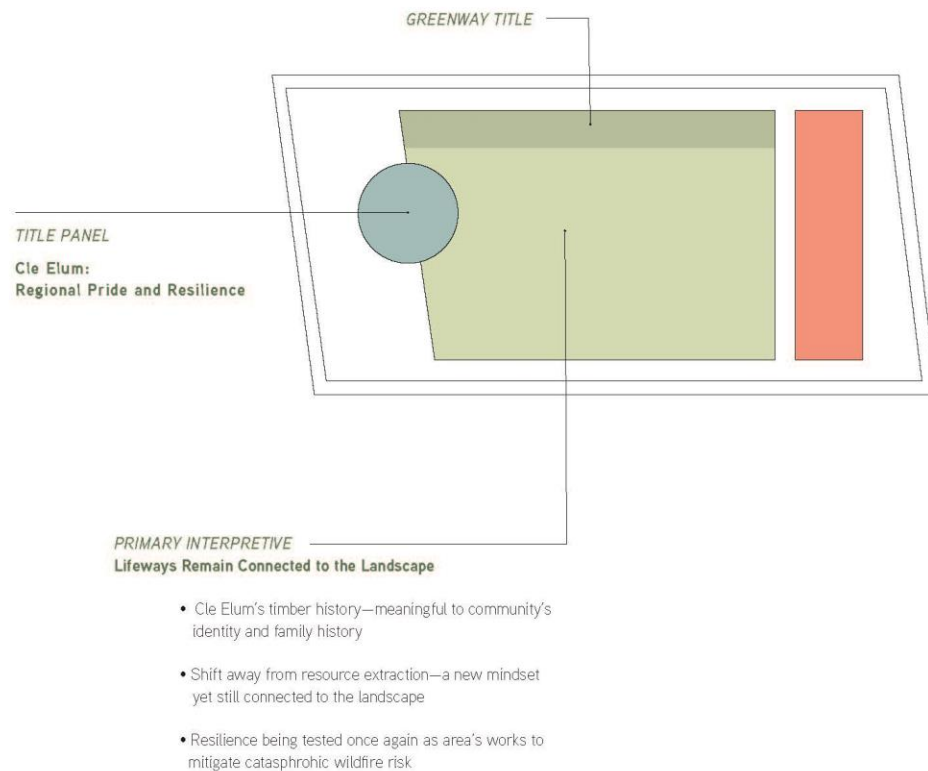


*...the same stretch of road nearly
...years later! (Now I-90)*



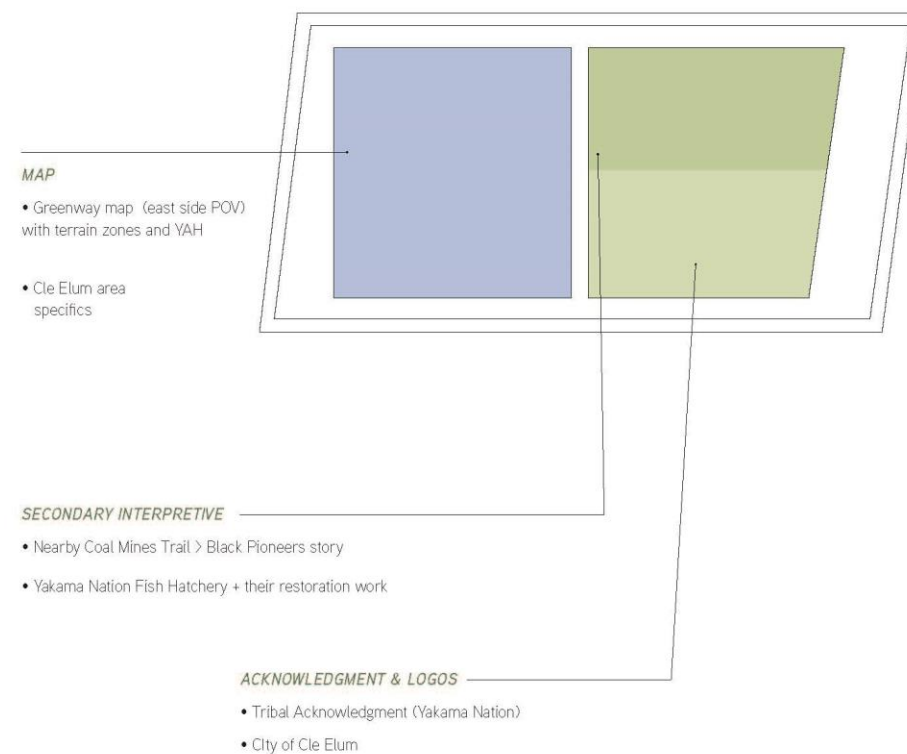
#9 Cle Elum Schematic Content Outline

Side 1



Note: Above schematics do not represent panel designs. In addition, depending on kiosk orientation, panel angle-cut (slant) may differ from what is shown here.

Side 2



Greenway NHA Themes



First People

The eyes, voices, and teachings of the **FIRST PEOPLE** of these lands impart understanding of the Heritage Area from time immemorial to the present day.



Landscape

The powerful forces of geology and climate create a **LANDSCAPE** of cultural and natural diversity across the Greenway.



Relationships with Nature

Human **RELATIONSHIPS WITH NATURE** have shaped the landscape and the culture of the Greenway.



Corridors

The Greenway provides **CORRIDORS** for wildlife migration, fish passage and human travel.



Resilience

The cultural and natural heritage of the Greenway informs our future **RESILIENCE** and the restoration and renewal of the ecosystems that sustain all life.





REQUEST FOR LEAK ADJUSTMENT

Please review the City of Cle Elum Code 13.12.115 Petition for and relief from water bill
If you feel you are entitled to an adjustment, please complete this form, and return this to
the Utilities Department, in person at City Hall or by mail to

City of Cle Elum
119 West First St
Cle Elum, WA 98922

For Any questions, please call 509 674-2262

Date: 10-15-24

Name: Jewke Rental Properties Account #: 10910

Service Address: 40170 W 1st Street

City: Cle Elum State: Wa Zip: 98922

Phone: (253) 547-3104

Mailing Address if different than property address: 7432 Louder Pool Rd P.O.
Cle Elum, WA 98922

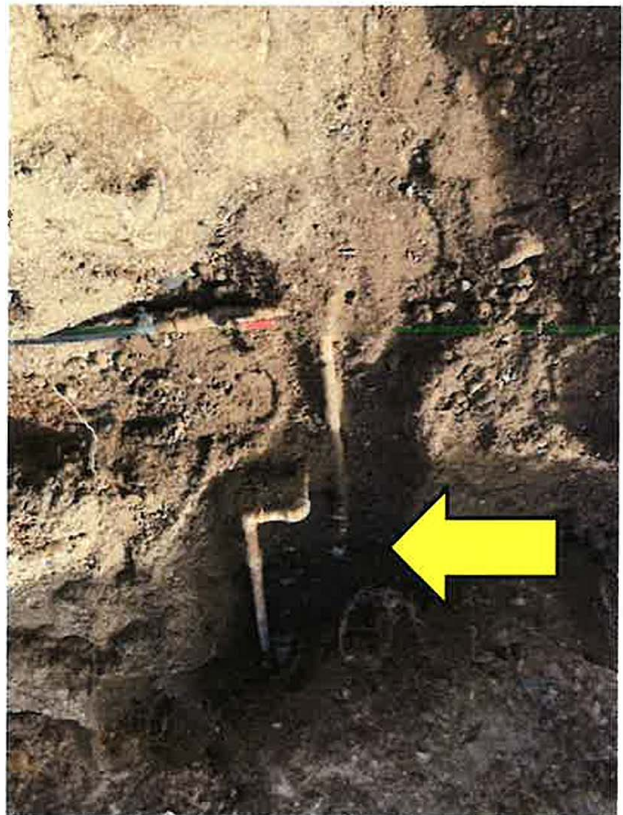
Date leak was discovered: October 1, 2024

Date leak was fixed: October 12, 2024

Description of leak including location and how it was fixed: Water was leaking
from a valve located 6" from the red house.

Excavation	\$600.00	
labor	\$700.00	
Gravel	\$175.00	
Parts.	\$71.41	Valley Supply
Parts.	245.03	NO fault

Notex Tenants living in the red house
prevented turning off the water
the meter. The leak was undetectable until
the pipe was uncovered during excavation.
Cle Elum Utilities replaced the meter to make
sure the meter was reading correctly, as there was
no detectable water. There was no detectable
water leak because the water was running
down the foundation of the red house.



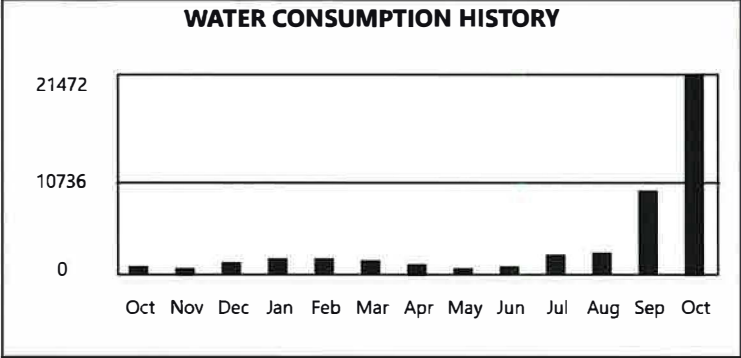


City of Cle Elum
119 W First Street
Cle Elum, WA 98922
509 674-2262

BILLING PERIOD	
September	
DUE DATE	ACCOUNT NUMBER
10/25/2024	10910
BILL DATE	AMOUNT DUE:
10/07/2024	628.73
ACCOUNT HOLDER	
Patricia Jerke Rental Property	
SERVICE LOCATION	
1091.0 - 401 W FIRST ST	

SERVICE	READING DATE	METER READINGS		FACTOR	USAGE	CHARGES	
		PREVIOUS	PRESENT				
Water	09/30/2024	48434	69906	1.0000	21472	Previous Balance:	371.03
						Adjustments:	0.00
						Payments:	371.03
						Balance Forward:	0.00
						Water	60.13
						Water Consumption	377.97
						Water Reserve	10.56
						Water Tax 6%	26.92
						Sewer	90.17
						Sewer Reserve	4.81
						Sewer Tax 6%	5.70
						Garbage	52.47
						Current Charges:	628.73
						Balance:	628.73
				30:	0.00	60:	0.00
						90+:	0.00

\$ 377.97
\$ 22.68
\$ 400.65
credit.



New sewer rates will be Effective October 1st, 2024

Detach Here and Return Bottom Stub



City of Cle Elum
119 W First Street
Cle Elum, WA 98922

DUE DATE	AMOUNT DUE
10/25/2024	628.73
SERVICE LOCATION	
1091.0 - 401 W FIRST ST	
ACCOUNT NO.	AMOUNT ENCLOSED
10910	

Patricia Jerke Rental Property
7432 Lower Peoh Point Road
Cle Elum, WA 98922-8930

City of Cle Elum
119 W First Street
Cle Elum, WA 98922

Jerke Property
401 West First St
House in the back

Leak was detected at time of meter reading 9/30 for the month of September notified customer 10/3 when meters were loaded to the billing system. I called them on the phone and sent the crew out with a door hanger.

They started working on locating the leak that day. The leak was on the line going to the house in the back toward the alley.

Leak was fixed 10/12th . usage was between billing months September and October.

I had the crew pull a new meter reading after the line was repaired 10/16 to see overages for October 16, 2024 which was 74787

September billing usage was 21472 -1200 allowed use =20272 (Meter reading (48434 to 69906)

October 1-16 overage was 4881 (Meter reading 69906 to 74787)

September Billing credit \$377.97 water Tax \$22.68 Total credit \$400.65

October Meter reading from 1-16th was over 4,881 Cubic Feet overage consumption amount
Estimate water \$62.74 Tax \$ 3.74 Total Credit \$66.48

Both months totaling \$467.13

4th Work order

Work Order #: 1466
Work Order Date: 10/03/24
Work Type:
Request Type: Internal
Attending Staff: Audrey Casassa
Requester Name:
Requester Phone:
Assigned Department: Water
Work Type: ~~Leak Checks~~
Work Description: Leak check
Work Address/Location: 401 West First St Meter # 19993597
Date Closed:
Status: COMPLETE

Employee Cost: \$0.00
Equipment Cost: \$0.00
Material Cost: \$0.00
Inventory Cost: \$0.00
Purchase Order Cost: \$0.00

Total Cost: \$0.00

Signature:

Date:

2nd work order

Work Order #: 1477

Work Order Date: 10/10/24

Work Type:

Request Type: Internal

Attending Staff: Whitney Prosek

Requester Name:

Requester Phone:

Assigned Department: Water

Work Type: Turn Water On

Work Description: Please turn water back ON, repairs are finished

Work Address/Location: Winning foundations: 401 West First St Meter # 19993597

Date Closed:

Status: COMPLETE

Notes

10/10/2024	Meter is reading 0gpm
10/10/2024	Meter is on

Employee Cost: \$0.00
Equipment Cost: \$0.00
Material Cost: \$0.00
Inventory Cost: \$0.00
Purchase Order Cost: \$0.00

Total Cost: \$0.00

Signature:

Date:

UTILITY ACCOUNT HISTORY

City Of Cle Elum

Time: 13:23:54 Date: 10/16/2024
Page: 1

09/23/2023 To: 10/16/2024

Jerke Rental Property, Patricia: 10910; Service Location: 1091.0

401 W FIRST ST			Current	Previous	Water Usage	Sewer Usage	Current	Previous	Electric Usage	Chg/Pymt	Balance
09/23/2023	Payment	205042367								-256.56	0.00
10/06/2023	Bill	Billing	30799	30488	311					256.56	256.56
10/23/2023	Payment	206668792								-256.56	0.00
11/06/2023	Bill	Billing	31023	30799	224					256.56	256.56
11/23/2023	Payment	208434463								-256.56	0.00
12/06/2023	Bill	Billing	31776	31023	753					244.98	244.98
12/23/2023	Payment	210122520								-244.98	0.00
01/08/2024	Bill	Billing	32903	31776	1127					220.93	220.93
01/23/2024	Payment	211879370								-220.93	0.00
02/06/2024	Bill	Billing	34156	32903	1253					228.93	228.93
02/23/2024	Payment	213737044								-228.93	0.00
03/07/2024	Bill	Billing	35065	34156	909					228.08	228.08
03/23/2024	Payment	215476653								-228.08	0.00
04/08/2024	Bill	Billing	35704	35065	639					228.08	228.08
04/23/2024	Payment	217246827								-228.08	0.00
05/06/2024	Bill	Billing	35882	35704	178					228.08	228.08
05/23/2024	Payment	219428975								-228.08	0.00
06/06/2024	Bill	Billing	36234	35882	352					228.08	228.08
06/23/2024	Payment	221231570								-228.08	0.00
07/08/2024	Bill	Billing	37879	36234	1645					235.16	235.16
07/23/2024	Payment	223094265								-235.16	0.00
08/07/2024	Bill	Billing	39757	37879	1878					238.86	238.86
08/23/2024	Payment	225057381								-238.86	0.00
09/09/2024	Bill	Billing	48434	39757	8677					371.03	371.03
09/23/2024	Payment	226881088								-371.03	0.00
10/07/2024	Bill	Billing	69906	48434	21472					628.73	628.73
Billing Periods 13 Billed Amt: 3,594.06 Avg 276.47											

Prorate Account

Bill Type

☒ Adjustment
☐ New Bill
☐ Final Bill
☐ Apply As Credit

Days

31

Of

31

=

100.00

☐ Prorate Consumption
☐ Prorate Steps
☐ Document

Customer Account

Account No.

10910

Jerke Rental Property, Patricia

Meter No.

1091.0

401 W FIRST ST

Bill Date

10/16/2024

Bill Type

Due

//

Work Orders

Memo

Consumption

Current

74787

Previous

69906

☐ Roll

Consumption

4881

Additional

0

Total Cons

4881

Months

1

Date

10/16/2024

Time

Water Reads

Assign Defaults

Clear Defaults

Water

Class	Units	Water Prorated
20	1.000	\$60.13
Basic		\$60.13
Overage		\$62.74
Surcharge		\$10.56
Other		\$0.00
Tax	0.06000	\$8.01
Late		\$0.00
Interest		\$0.00
		\$141.44

Sewer

Class	Units	Sewer Prorated
3	1.000	\$90.17
Basic		\$90.17
Overage		\$0.00
Surcharge		\$4.81
Other		\$0.00
Tax	0.06000	\$5.70
Late		\$0.00
Interest		\$0.00
		\$100.68

Garbage

Class	Units	Garbage Prorated
51	1	\$52.47
Basic		\$52.47
Overage		\$0.00
Surcharge		\$0.00
Other		\$0.00
Tax		\$0.00
Late		\$0.00
Interest		\$0.00
		\$52.47

Sewer Reserve

Class	Units	Sewer Reserve Prorated
6	1.00	\$0.00
Basic		\$0.00
Overage		\$0.00
Surcharge		\$0.00
Other		\$0.00
Tax	0.00000	\$0.00
Late		\$0.00
Interest		\$0.00
		\$0.00

Actions

☐ Confirm to Write
☐ Set To Inactive

"Adjustments" can NOT be on a billing cycle day.

Write Bill

Utility Deposit Refund

Leave On Deposit

Deposit Refunded

Status

Apply Deposit

Deposit Applied

Approved

\$0.00

0.00

Billed Utility Deposits

Totals

Account Balance

Prorated Charges

Bill Total

October Estimate ^{Water} = 62.74 Tax 3.74 = \$66.48

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13.12.115 Petition for and relief from water bill.

In the event any person is aggrieved by the amount of one hundred dollars or more in excess of the amount billed for monthly water service, he or she may, within fifteen days of the postmark on said bill, petition the city council in writing to the utilities clerk for a downward adjustment to his or her bill. Upon receipt of such petition, the utilities clerk shall notify the public works director and the utilities committee and schedule a meeting to consider the petition for downward adjustment. The utilities committee may consult with the city public works director or his designee regarding the matter and shall, upon deliberation and oral findings following the meeting, make a recommendation to the entire city council to grant a downward adjustment only upon good cause shown. No downward adjustment will be considered for leaks within the primary residential or commercial building; however, adjustment for leaks within crawl spaces may be considered on a case-by-case basis. Any bill granted a downward adjustment by the city council shall not exceed five hundred dollars in relief and shall be presented to the mayor for his signature on the face thereof. Notice of the reduction shall be provided in writing by the city to the customer. No ratepayer may petition the city council more than one time per twelve-month period for such a downward adjustment.

In the event that city-maintained water pipes prevent water service to a customer's water meter due to cold or frozen weather for more than two days (forty-eight hours), the city council may, upon the recommendation of the city public works director and the utilities committee, provide equitable relief to the customer by crediting up to one month's water fees which include water base rate fee, water reserve fee, and applicable water taxes for every two to thirty days of interrupted service, or multiples thereof. In the event any neighbor assists a customer with frozen, city-maintained water service by providing water through that neighbor's meter (i.e., through the use of a hose or similar apparatus), that neighbor will be allocated double the volume of water in the base rate for the same period of interrupted service.

(Ord. 1464 § 1, 2017; Ord. 1312 § 4, 2009; Ord. 1158 § 1, 2001; Ord. 1122 § 2, 2000)

The Cle Elum Municipal Code is current through Ordinance 1600, passed December 14, 2020.

Disclaimer: The city clerk's office has the official version of the Cle Elum Municipal Code. Users should contact the city clerk's office for ordinances passed subsequent to the ordinance cited here.

Note: This site does not support Internet Explorer. To view this site, Code Publishing Company recommends using one of the following browsers: Google Chrome, Firefox, or Safari.

City Website: cityofcleelum.com

City Telephone: (509) 674-2262

Code Publishing Company

The Cle Elum Municipal Code is current through Ordinance 1600, passed December 14, 2020.



City of Cle Elum

119 W First Street
Cle Elum, WA 98922
509 674-2262

BILLING PERIOD	
October Billing	
DUE DATE	ACCOUNT NUMBER
11/25/2024	10910
BILL DATE	AMOUNT DUE:
11/06/2024	611.27
ACCOUNT HOLDER	
Patricia Jerke Rental Property	
SERVICE LOCATION	
1091.0 - 401 W FIRST ST	

SERVICE	READING DATE	METER READINGS		FACTOR	USAGE	CHARGES
		PREVIOUS	PRESENT			
Water	11/04/2024	69906	74909	1.0000	5003	Previous Balance: 628.73 Adjustments: 0.00 Payments: 628.73 Balance Forward: 0.00 Water 60.13 Water Consumption 65.06 Water Reserve 44.03 Water Tax 6% 10.15 Sewer 58.50 Sewer Consumption 58.65 Sewer Reserve 234.18 Sewer Tax 6% 21.08 Garbage 52.47 Extra Garbage 7.02 Current Charges: 611.27 Balance: 611.27

WATER CONSUMPTION HISTORY

Month	Consumption
Nov	~1000
Dec	~1000
Jan	~1000
Feb	~1000
Mar	~1000
Apr	~1000
May	~1000
Jun	~1000
Jul	~1000
Aug	~1000
Sep	~10000
Oct	~21000
Nov	~10000

New Sewer Rate

30:	0.00	60:	0.00	90+:	0.00
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*Estimated \$66.48 after leak was fixed.
after Billing ^{New} Sewer rate was increased.
Should they get \$500.00 credit.
meter serves both Residential & commercial.*

Detach Here and Return Bottom Stub



City of Cle Elum

119 W First Street
Cle Elum, WA 98922

DUE DATE	AMOUNT DUE
11/25/2024	611.27
SERVICE LOCATION	
1091.0 - 401 W FIRST ST	
ACCOUNT NO.	AMOUNT ENCLOSED
10910	

Patricia Jerke Rental Property
7432 Lower Peoh Point Road
Cle Elum, WA 98922-8930

City of Cle Elum
119 W First Street
Cle Elum, WA 98922