CITY OF SPOKANE WATER DEPARTMENT RULES AND REGULATIONS FOR WATER SERVICE INSTALLATIONS

Revised 02/25

For Water Tap and Meter Applications 509-625-6300, 509-625-6999 or (permitteam@spokanecity.org)

Tap and New Meter Installation 509-625-7847

South Side Inspection 509-625-7844 or 509-435-5567

North Side Inspections 509-625-7845 or 509-994-1669

Cross Connection Inspections 509-625-7969

1. THE RULES AND REGULATIONS INCLUDED HEREIN ARE NOT TO BE CONSIDERED AS COMPLETE. THE FOLLOWING PAMPHLET IS DESIGNED TO ADDRESS THE MORE COMMON CONCERNS FOUND DURING INSPECTIONS OF THE WATER SYSTEM. IT SHALL BE THE RESPONSIBILITY OF THE BUILDER, OWNER, OR CONTRACTOR, TO CALL INSPECTORS TO CLARIFY ANY SITUATION THAT IS NOT CLEARLY ADDRESSED IN THESE REGULATIONS IN REGARD TO SITE PLANS, BUILDING DESIGN, ETC. ALL REQUIREMENTS LISTED MUST BE MET PRIOR TO A CERTIFICATE OF OCCUPANCY BEING ISSUED.

2. All excavations will be sloped, shored, or benched according to DOSH Department of Labor and Industry standards to provide safe access per WAC 296 155 Part N. Water service excavation, bedding & backfill/restoration shall be responsibility of property owner/developer unless otherwise stated.

3. <u>INSPECTIONS:</u>

- New service lines. No on property inspection will be scheduled or performed until a meter permit has been purchased.
- Repairing or replacing an existing service requires a water repair/replace permit.
- All Water Service Installations and repairs, from the property line to the main shut-off valve or valves inside the building or basement, require inspection by the Water Department Inspector before covering.
- ALL INSPECTIONS REQUIRE A 48 HOUR NOTICE.

4. <u>BACKFLOW / CROSS-CONNECTION</u>:

The policies, procedures, and criteria for determining Backflow/Cross Connections (actual and possible) and appropriate levels of protection shall be in accordance with the City of Spokane Water Department Cross Connection Control and Backflow program, Water Department Rules and Regulations, Washington Administrative Code (WAC 246-290-490) and the City of Spokane Municipal Code 13.04.0814.

- Some examples of areas where devices/assemblies will be needed: Backflow protection shall be installed on service laterals where the point of use exceeds 30 feet above the distribution main, Strip malls/multi use facilities, medical facilities, laboratories/clinics, fire protection systems, irrigation systems (yard hydrants are considered a part of an irrigation system), boilers, post mix soda pop machines, food processing, commercial coffee machines with under-counter boiler, steam generating equipment, water cooled ice machines, car washes, plumbing systems with booster pumps, and/or other facilities where chemicals are used or are injected into the water system, wells and unapproved auxiliary sources, reverse osmosis systems, etc.
- All Backflow Assemblies must be on the current Washington State Approved Assemblies list at time of installation. All Backflow Assemblies shall be tested by a State Certified Backflow Tester (BAT) and report submitted to the purveyor when initially installed, repaired, replaced, moved and annually thereafter. If the backflow assembly has been turned off for freeze protection it must be tested before it is returned to service.
    - The property owner is required to have a WA State certified backflow assembly tester (BAT), test all backflow assemblies annually. The BAT shall tag assemblies tested noting date of test. Where a meter exists in a meter box and the concrete rings are 36" or less inside diameter, then the DCVA for irrigation must be installed outside of the meter box and plumbed into a box of the appropriate size to allow for testing and repair as per the City of Spokane Water Department Municipal Codes. All installations must meet the City of Spokane Water Department requirements. Where premises isolation is required, thermal expansion could exist from a water heater or boiler. Thermal expansion may result in an unsafe buildup of pressure within the plumbing system. Please follow the local rules, regulations, and the Uniform Plumbing Code to protect from thermal expansion. Reduced Pressure Backflow Preventers for premises isolation of high health hazard (Table 13 WAC 246 290 490) and systems utilizing a booster pump shall be required and installed at the property line. Where the meter is installed at the property line, the Reduced Pressure Backflow Preventer shall be installed downstream of the meter in a heated enclosure near the property line or inside the building with an approved sized floor drain.
- Single Check replacement in vaults, shall be inspected by the Cross-Connection Control Inspector before removal of old assembly and again after the new assembly has been installed and tested. All service lines must have a City of Spokane Meter.

5. NEW TAPS AND RETAPS:

In ALL cases the property owner is responsible for service location and depth.
In all cases where a new water service is to be installed, a stake marked "WATER" and the address to be served must be placed at the property line by the contractor, builder or the owner showing where the service is to enter property. If the service extends through a utility easement, a second stake shall be placed by the contractor, builder or the owner denoting the end of the service line installation. Failure to place these stakes will result in the tap not being made and a reschedule permit must be purchased before the tap is scheduled and completed.

Only City Water Personnel will tap or make connections to the City Water mains. Size of tap shall be maintained to the property line. Taps on new mains will not be made until bacteriological tests are taken and the main is accepted by the Water Department. All water services must be 5 feet deep from finished grade. (A depth of 5 feet shall be maintained through any 208 or swale system.)

Each service shall have a 2x4 installed vertically marking the termination point of the copper at the back of the utility easement. This 2x4 shall be from the depth of the end of copper, extend above grade 3', must be painted blue and marked with the address of the service.
The curb box shall be installed centered over the curb stop, in a straight vertical line, extending above grade 6-12" and must be painted blue. A six-foot 2x4 shall be installed at the curb stop with two to three feet of the board extended above grade and painted blue.

6. WATER SERVICE PIPE:

-Materials for all water services, from the water main to the right of way line shall be installed by the City of Spokane Water Department.

-Materials for all water services in the public right of way shall be,

- -1" shall be soft annealed type K copper with approved compression fittings to the meter box.
- -2" shall be either,
  - HDPE CTS pipe with stainless steel stiffeners and compression fittings or
  - Soft annealed type K copper with approved compression fittings.
- -4" and larger shall be ductile iron. Elbows for change in horizontal direction are not allowed between the tap at the main and the water meter. Service must be installed perpendicular to the water main.

-Materials for all water services installed on property or downstream of the meter box/vault shall be provided by the contractor and meet the following requirements.

- -1", 1 ½" and 2" water services shall be,
  - Seamless, soft-annealed type "K" copper or

- HDPE (250 PSI CTS or IPS SDR9) shall be installed with steel stiffeners and compression fittings or pack joints. IPS SDR 9 may also be butt fused.
- All HDPE pipe shall be installed with jacketed 12 gauge tracer wire and affixed to the pipe every 10'

- 3" shall be either ductile iron pipe with mechanical or slip joint bells or HDPE SDR9 and meet the requirements of AWWA C901 with a minimum 250 PSI rating and have butt fused joints. Sample butt fused joint must be provided to the Water Department inspector upon request for analysis.
- 4" and larger shall be ductile iron. Downstream from the water meter, fittings must be used when a change in direction of pipe is necessary.
- In the pipe zone, all pipes shall be bedded per standard detail A-1. Backfill above the pipe zone shall be per standard detail A-2.
- All water services in the same trench shall have a minimum horizontal separation of 2 feet.
- Elbows for change in horizontal direction are not allowed between tap at the main and the meter as the service line must be installed perpendicular to water main.

All services must meet current water department standards if building is gone and/or meter has been removed for over a year.
No galvanized fittings shall be directly buried.
All water services, viable or not and which will not be reused, shall be disconnected at the water main before a certificate of occupancy will be completed. The physical disconnection shall be completed by Water Department personnel at no charge but all excavation, backfill and surface restorations shall be at the responsibility of the owner or contractor.

The installation of all curb and valve boxes are the responsibility of the property owner or contractor. They are to be installed flush with finished grade or paving, made of iron, and marked WATER on the lid. Boxes must be centered over the curb stop or valve allowing for full operation of the valve. Any curb box located within a proposed or established vehicle pathway or in concrete, must have a traffic rated valve box top section.

7. WATER AND SEWER SEPARATION:

The sewer must be a minimum of 18" deeper and a minimum of 5' horizontally from the **edge** of ANY water service.
When sewer elevation is higher than the water service, there must be a separate water trench with 6 feet of undisturbed earth between water and sewer. All water service installations shall be at least 10 feet from any cesspool, catch basin or septic tank.

When water and sewer separation cannot be maintained during parallel installation, sleeving is allowed and shall meet the following requirements. The sleeving shall be oversized C-900 pipe

and shall be limited to straight runs. Sleeving cannot be used to install water and sewer in the same trench. Each sleeve shall contain only one service. Water services 2" in diameter and smaller must be wrapped with split foam pipe insulation and the end of all sleeves shall be sealed with waterproof foam. Water/sewer crossings shall meet City of Spokane Standard Plan A-4 and A-5.

8. OTHER UTILITIES:

All other utilities (telephone, cable TV, electric, gas, etc.) shall have a minimum of 5-foot horizontal separation from the water line. **Failure to meet this standard shall require the water service to be replaced and relocated a minimum of 5-feet from nearest other utility and a new tap shall be required. Sewer separation requirements shall also be met, see #7 above. Original service shall be disconnected from the water main. All excavation, backfill and surface restoration shall be at the expense of the contractor/developer.**

9. WATER SERVICE ENTERING BUILDING:

Where a water service pipe enters a building, a depth of 5 feet shall be maintained. Where there is no basement, (i.e., crawl space or slab floor), the water service pipe, including fire lines, will maintain a 5 foot bury and extend 2 feet inside the footing before rising to the point of use. No joints will be allowed under the floor or within 5 feet of the outer wall. DI piping may have one mechanical joint fitting under the floor for the vertical riser. All service installations running parallel to buildings shall be at least 10 feet from the outer foundation walls.

10. METER, BACKFLOW ASSEMBLY AND PRV LOCATIONS:

Meters

Residential and Commercial meters shall be in an approved meter box or vault on property, within 3' of the closest property line whenever possible.
1" services allow the use of 5/8, ¾" and 1" meters but must be sized appropriately to the intended use of the facility. 5/8"and ¾" meters will be approved only when engineering design demonstrates the meter meets the requirements of intended use and flow or fixture count. Meters shall be installed in an approved Water Department meter box no further than 3' inside the property line or at the back of the utility easement if such easement exists.

All meters 2" in size and smaller shall be installed in a meter box of the approved sized and type and rating.

All meters 3" and larger shall be installed in a meter vault of the approved size, type and rating.

Meter installations where a buried fitting is located within 5' of outer foundation wall shall have the box/vault adjusted sufficiently to meet the requirement of a minimum 5' from the outer

foundation wall. Where the face of building is located on or adjacent to the Right of Way line, meters shall be installed in a meter box or vault with no less than 5' of distance from any joint to the outer foundation wall.

Meter boxes and vaults which require adjustment into the right of way to meet the 5' minimum, shall be placed in a meter only box/vault. No other equipment, (FDC, PIV, backflow assembly, etc) shall be allowed inside the meter only box/vault.

All meter boxes and meter vaults are owned and maintained by the property owner. SWD shall take no responsibility of the maintenance of the meter box or vault installed in ROW.

All service lines downstream of the meter are the responsibility of the property owner. SWD shall take no responsibility for the maintenance of the water service downstream of the meter.

Meters installed inside a structure are only allowed with a variance approved by the Director of the Water Department.

Backflow Assemblies

All back flow assemblies are to be furnished, installed and tested by the contractor or property owner. As of 7/1/2025, the Water Department will no longer allow for permits with backflow assemblies to be purchased. Any permits with a backflow assembly purchased before 7/1/2025 will be honored by the Water Department for one year from date of permit purchase. Applications to purchase a backflow assembly permit before 7/1/2025 must have an approved set of plans which have been reviewed by the Spokane Water Department.

Backflow assemblies may be installed in a vault with the meter or installed inside of the structure. Backflow assemblies are not permitted in a meter only vault or any other vault where the vault location encroaches into ROW. All backflow assemblies must be tested.

PRV (PRESSURE REGULATING VALVE) LOCATIONS

All 2" and smaller services, where water pressure is 80 psi or higher, or has the potential of higher than 80 PSI, and the meter is installed inside the building, shall have an approved PRV installed upstream of the meter.

All 2" and smaller meters, where the water pressure is 80 PSI or higher, or has the potential of higher than 80 PSI, and the meter is installed inside a meter box or vault, shall have an approved PRV installed inside the building prior to the first point of use but no further than 18" beyond entry of the slab or foundation wall.

For all MACH (Ultra Sonic) meters, the PRV shall be installed downstream of the meter and inside the building

3" and larger meters shall have the PRV installed after the meter and is subject to design review.

PRV's shall not be installed inside meter boxes.

11. WATER SERVICE REPAIR AND REPLACEMENT:

The repair of service leaks after the first right of way or property line is the responsibility of the property owner. For any repair or replacement of existing services, a Water Repair/Replace permit must be purchased, shall follow all current rules and regulations and shall be *inspected before covering*. *No service relays shall be pulled unless a minimum depth of 4 ½' can be maintained with a minimum of 5' sewer separation*. Where a new building or an addition to existing building is erected over an existing service, the water service shall be either sleeved or offset by relaying the service a minimum of 10' from outer foundation wall. Repairs can be made with like materials. Brazed connections are acceptable for repairing underground copper services. See Meter and PRV LOCATIONS rules for relocation of the meter.

The property owner is responsible for any water service located near or behind a manmade obstruction, such as a retaining wall, and must maintain the water service at their own expense per Spokane Municipal Code 13.04.0806. This applies to obstructions located within the public right of way.

12. RECORDED EASEMENTS REQUIRED:

Easements shall be avoided but considered on a case-by-case basis, granted by the Director of the Spokane Water Department.
When water services cross property other than the property being serviced, the water meter shall be installed in a water department approved meter box. This box must be installed no more than 3' inside the first property line and an easement number must be filed and recorded with the County Recorder's office. If approved, minimum water easement width is 10 feet for private and 20 feet for public to allow for excavation and stockpiling.

13. METER BOX:

Meter boxes installed by the property owner, contractor or developer for use of single meters up to 2" in diameter shall meet City of Spokane Water Department traffic rating standards. The meter box shall be placed on property not more than 3' inside the closest property line and built to Water Department specifications. All meter boxes and lids shall be maintained by the property owner.

Two meters 2" or smaller and serving the same property, a concrete meter box with a 48" minimum inside diameter with a standard 24" traffic rated "Water" ring and cover will be required.

Meters larger than 2" or for three or more 2” and larger meters, please refer to Section Y of the City of Spokane Standard Plans. All meter boxes and vaults must meet H20 traffic load rating if in an area where traffic loads are possible.

Any meter box located within a proposed or established vehicle pathway must be traffic rated. Plastic or PVC meter boxes are not considered traffic rated and must be installed at least 1’ off any driveway or established vehicle pathway.

14. REMOTE READOUT CONDUIT:

All commercial buildings and residential homes with a vault or meter box (including duplex and triplex dwellings) are required to install an approved ¾ inch PVC electrical grade conduit for each meter or as approved by the inspector. This conduit must be installed from the water meter to an accessible location such as an irrigation box adjacent to the meter vault/box, to a nearby above ground structure such as a metal post or bollard or on the outside of the building. When installed to the building, the conduit shall terminate approximately 3’ above finished grade on the street side of the building or on either side of the building within two feet of the street side of the building. All directional changes shall be made with sweeps, not to exceed 4 sweeps for each conduit. 90-degree elbows will not be allowed. All commercial buildings which are remodeled, reconstructed, or additions built shall be required to install conduit.

A minimum three wire .22-gauge color coded cable shall be installed by the builder/contractor during the construction of all residential and commercial buildings. The cable shall begin at the water meter location and terminate at the end of the conduit and shall have approximately 4’ of excess cable left on each end.

15. CONTRACTOR'S GUARANTEE:

Work being performed by private contractors, pertaining to quality of materials and installation procedures, shall be guaranteed for two (2) years from time of acceptance.

16. OPERATION OF CURB STOPS

If water is turned on or found on without proper inspection by the Water Division, the following City Ordinance applies:

CITY ORDINANCE CHAPTER 13.04 WATER
13.04.200 PENALTY. Any person violating any of the provisions of this chapter, or the rules and regulations of the Water Division, shall be deemed guilty of a misdemeanor and, upon conviction thereof, shall be punished by a fine in any sum not exceeding $300.00, or by imprisonment in the City Jail for not more than ninety days, or by both fine and imprisonment. Each day of a continuing

violation shall constitute a new and separate violation unless otherwise specified. (Source, Section 40, C2452) City Ordinance Chapter 13.04 WATER 13.04.130 Sub-Section D

The Director of the City of Spokane Water department may also permit qualified plumbers, licensed, and bonded in accordance with state laws, to open and shut the street cock to make the necessary repairs or to test their work, and in every such case such persons shall leave the stop cock as they found it. They shall be responsible for any damage, losses, or liabilities of the City or third parties arising from their acts, errors, or omissions. (Source, Section 35, part C-2452; Cross ref., Section 13.04.0806 - 13.04.0812)

17. Common Water Service Line Specifications

When single properties have multiple residential units, a single domestic service may be used for multiple smaller meters on that property. In all cases, fixture analysis will be used to determine adequate meter sizes and to ensure the service is large enough to sufficiently supply both dwelling units.

For single meters feeding multiple dwellings on a common property,

1. The water meter shall be placed inside a meter box within 3-feet of the first property line per Water Department standards.

2. Each service line split after the meter shall have a valve located outside of the structures, to be able to isolate the service without interrupting any other service.

3. Existing water service shall be 1-inch to be able to serve two units or provide engineering analysis showing the existing service is adequate. In all cases, ¾" galvanized services must be upgraded to 1" copper in the right of way. For on property requirements, see section 12, Water Service Repair and Replacement.

4. Due to house setbacks being 10-feet or less, the parallel water service shall be sleeved when adjacent to new or existing homes per section 9 above.

5. Easements are to be avoided but considered on a case-by-case basis, granted by the Director of the Spokane Water Department per section 13 above.

Addition of a second meter to a common water service for multiple unit consumption shall meet the following standards.

a. Internal multifamily units are best supplied by one meter.
b. All connections from the water service to the new meter shall be made by Water Department personnel. A new meter permit is required for the second meter and shall be connected to the common water line by use of a TEE and a curb stop to isolate the second meter.
c. The second water meter connection shall be made upstream of the primary meter. Deduct or sub meters are not allowed.

d. ¾" copper services with a second meter,
    i. Two-5/8" meter are required. Existing ¾" meter shall not be reused and must be downsized to 5/8".
    ii. Line pressure must be a minimum of 70 PSI and a fixture count analysis shall be provided for approval.
    iii. In all cases, ¾" galvanized must be upgraded to 1" copper in the right of way.
    iv. ¾" galvanized must be upgraded to 1" copper or HDPE on property. See section 6 for specifications.
e. 1" copper services with a second meter,
    i. Two ¾" meters are required. Existing 1" meters shall not be reused and must be downsized to ¾".
    ii. Line pressure must be a minimum of 45 PSI and a fixture count analysis shall be provided for approval.
    iii. Galvanized 1" services in the right of way shall be upgraded to 1" copper for the use of a second meter.
    iv. Galvanized services on property must be upgraded to copper or HDPE on property.
f. 1" galvanized services are permitted **with one meter to supply two structures**.
    i. 1" Galvanized services supplying two water meters are prohibited. Galvanized must be replaced with 1" copper in the right of way to supply two water meters. Services downstream of the meters shall be either 1" Type "K" copper or 1" HDPE.
    ii. 1" galvanized services in the right of way are allowed for a secondary connection downstream of one meter.
g. All meters shall be placed on property within three feet of the right of way line. For two water meter configurations, a concrete meter box with a 48" minimum inside diameter with a standard 24" traffic rated "Water" ring and cover shall be required. See 14 and 15 above for additional specifications.

SPECIFICATIONS FOR UNDERGROUND INSTALLATION OF LARGE DOMESTIC WATER SERVICES, MAINS, AND FIRELINES
(Shall Conform to A.P.W.A. with Spokane Supplemental Standards)

1. All material installed in the City of Spokane, including fire hydrants and valves, must conform to City of Spokane Specifications. Pipe and Fittings shall be approved ductile iron. All fire hydrants must be individually valved. When in Fire Districts outside of City of Spokane jurisdiction, installation, and materials will conform to City of Spokane Rules and Regulations.

2. Water services shall meet current backflow standards per WAC 246-290-490 and follow City of Spokane Water Department Rules and Regulations for Water Service Installations. https://static.spokanecity.org/documents/business/resources/engineeringpolicies/water-service-rules-and-regulations.pdf

3. Pipe shall be laid at a minimum depth of 5 feet deep from finished grade. (A depth of 5 feet shall be maintained through any 208 or swale system.)

4. Pipe and fittings shall be pressure class 350 ductile and installed in accordance with manufactures instructions and in an approved manner. (A.W.W.A C600-64) (Example - Tyton slip joint connections require continuity wedges, and all taps 2-in or less will have Double strap saddles and greater than 2-in will have a stainless-steel tapping sleeve)

5. Pipes shall be clean inside when installed and open ends shall be protected when work is stopped, to prevent foreign material from entering pipe.

6. Pipe joints will be either mechanical joint or Tyton slip joint; change in direction shall not exceed 75% of manufacturers' maximum deflection standards.

7. All tees, plugs, caps, and bends on pipe installed underground shall be mechanically restrained. Mega lugs and field lock gaskets or other restraint systems approved by the Director of the City of Spokane Water Department, shall be used. Thrust blocking is not acceptable.

8. All underground fire lines, or fire suppression systems that are separated or protected from the potable water system requires a State Level III or “U” licensed contractor for installation.

9. All hydrants shall be properly restrained, from the main to the hydrant (mega lugs or field lock gaskets).

10. All water mains and appurtenances 3”and larger shall be tested in sections of convenient length under a hydrostatic pressure equal to 1.5 times that under which they will operate or in no case shall the test pressure be less than 175 psi. Fire lines will be tested at 200 psi or 1.5 times the operation pressure, whichever is greater. All pumps, gauges, plugs, saddles, corporation stops, miscellaneous hose and piping and measuring equipment necessary for performing the test shall be furnished and operated by the contractor. Contractor must provide restrained MJ cap on last pipe (or plug on last new valve) near intertie with existing water line and include 2” threaded port with 2” ball valve/curb stop assembly for flushing and testing. Chlorination shall

only be done by city forces at the expense of the developer and all arrangements shall be made through the City of Spokane water service inspectors.

11. During cold weather, the contractor is responsible for protecting all mains and services from freezing, to include all equipment used for flushing, pressure testing and chlorination. Failure to adequately protect mains, services, and equipment from freezing could result in the replacement of these items at the contractor's expense.

12. Earth shall be well tamped (per std. plan A-1 & A-2) under and around pipes to prevent settling or lateral movement. Care shall be taken to prevent rocks, etc. from damaging pipe while backfilling. Frozen earth and/or asphalt shall not be used for backfilling material. Backfilling will be done according to APWA specifications.

13. If the property line is in a 208-swale area the meter vault\box may have to be relocated farther on property in a recorded utility easement.

14. All approved main extension installations will be required to extend 10' beyond the property line unless otherwise required by the water department.

15. Fire hydrant use requires a City of Spokane issued reduced pressure backflow preventer (RPBA) and flow meter assembly for all fire hydrant water usage (e.g., construction phase dust control, etc.). Hydrants that have been locked are no longer available for public use. Call 311 or City Water Dept. at 509-625-7800 for more info on Fire Hydrant Use

16. All Fire Hydrants, meter vault\box, curb boxes, & valve boxes must maintain an unobstructed 3' radius.

17. FDC's & PIV's must be installed downstream of the water meter and backflow assembly.

18. *If a bypass service line is installed it must be metered, and with same backflow protection as the service being bypassed.*

19. *When the meter or a back flow assembly are susceptible to being submerged in ground water, the meter and back flow assembly must be installed:*

1. *Above ground and in a heated enclosure or,*
2. *In an approved watertight vault*

IF **THERE ARE ANY QUESTIONS PLEASE CALL (509)625-7800**

MORE INFORMATION CAN BE FOUND AT THE FOLLOWING WEBSITES

City of Spokane Business and Development & Permits
https://my.spokanecity.org/business/

The Municipal Code Water Section can be found at:
https://my.spokanecity.org/smc/?Chapter=13.04

Standard Plans can be found at:
https://my.spokanecity.org/business/bid-and-design/standard-plans/

Design Standards can be found at:
https://my.spokanecity.org/business/bid-and-design/design-standards/

General Special Provisions (City Std. Specs) for Private Contracts
https://my.spokanecity.org/business/bid-and-design/private-gsps/

WSDOT Standards and Specifications can be found at:
http://www.wsdot.wa.gov/Publications/Manuals/M41-10.htm

Washington State Department of Labor and Industries
http://www.lni.wa.gov/SAFETY/TOPICS/ATOZ/ABOUT/DEFAULT.ASP

Washington State Safety Standards for Construction Work
http://app.leg.wa.gov/wac/default.aspx?cite=296-155

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