

# YELM ENGINEERING SPECIFICATIONS AND STANDARD DETAILS

## CHAPTER 1 – GENERAL PUBLIC WORKS CONSIDERATION

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## **CHAPTER 1.00 - GENERAL PUBLIC WORKS CONSIDERATIONS**

### **1.00.010 Standard Specifications**

Design detail, workmanship, and materials shall be in accordance with the current edition of the "Standard Specifications for Road, Bridge and Municipal Construction", the "APWA Amendments to Division One", and the "Standard Plans for Road, Bridge and Municipal Construction", all written and promulgated by the Washington State Chapter of the American Public Works Association and the Washington State Department of Transportation, except where these standards provide otherwise.

The following specifications shall be applicable when pertinent, when specifically cited in the standards, or when required by a higher funding authority.

- A. Conditions and standards as set forth in the latest edition of the City of Yelm's Water System Plan.
- B. Conditions and standards as set forth in the latest edition of the City of Yelm's General Sewer Plan.
- C. Conditions and standards as set forth in the latest edition of the City of Yelm's Comprehensive Plan.
- D. Rules and regulations as adopted in the Yelm Municipal Code.
- E. Conditions and standards as set forth in the Thurston County Coordinated Water System Plan.
- F. American Association of State Highway and Transportation Officials (AASHTO) A Policy on Geometric Design of Highways and Streets, latest edition. More commonly known as the "AASHTO Green Book".
- G. Criteria set forth in the Local Agency Guidelines as amended and approved by Washington State Department of Transportation.
- H. City and County Design Standards for the Construction of Urban and Rural Arterial and Collector Roads Promulgated by the City Engineers Association of Washington, May 24, 1989.
- I. Conditions and standards as set forth in the WSDOT Design Manual as amended and approved by WSDOT.
- J. U.S. Department of Transportation Manual on Uniform Traffic Control Devices (MUTCD), as amended and approved by Washington State Department of Transportation.
- K. DOT Construction Manual as amended and approved by Washington State Department of Transportation.

- L. Rules and regulations of the State Board of Health regarding public water supplies, as published by the State Department of Health.
- M. Conditions and standards as set forth in the State of Washington Department of Ecology "Criteria for Sewage Works Design", most current edition.
- N. Conditions and standards as set forth by the State of Washington, Department of Labor and Industries.
- O. Design criteria of federal agencies including Department of Housing and Urban Development and the Federal Housing Administration.
- P. Other specifications not listed above as may apply when required by the City of Yelm.

#### **1.00.015 Shortened Designation**

These City of Yelm Engineering Specifications and Standard Details shall be cited routinely in the text as the "Standards".

#### **1.00.020 Applicability**

These standards shall govern all new construction and upgrading of facilities both in the Right-of-Way and on-site for transportation and transportation related facilities; storm drainage facilities; sewer and water improvements; and park, recreation, and open-space facilities.

#### **1.00.025 Definitions**

"Assess" means to establish an amount or rate for the value of required improvements, fees or charges that are due for services provided which may become a lien on the property receiving such improvements or services.

"As-Builts" or "Record Drawing" means a drawing showing the horizontal and vertical location of the improvements as actually constructed; showing invert elevations, slopes of pipes, location of the pipes, tanks, controls, valves, depths of cover, type of material and any other feature different than shown on the design drawing.

"Average Daily Traffic" or ADT means the average number of vehicles passing a specified point during a 24 hour period. Annual average daily traffic (AADT) denotes that daily traffic that is averaged over one calendar year.

"Base Flow" means the flow associated with an Equivalent Residential Unit.

"B.O.D." The abbreviation for biochemical oxygen demand which means the quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedure in five days at 20 degrees centigrade, expressed in parts per million by weight. PROVIDED that, in the event an

alternative definition is utilized by or within the terms of a permit issued by a governmental agency under which the treatment system is required to operate, then such definition shall be deemed incorporated herein by reference.

"City Engineer" means the City Engineer or his duly authorized representative.

"City Standards" means the official design and engineering specifications of the City of Yelm adopted by the City Council and applying to the construction of facilities under the City's jurisdiction.

"Collection Lines" means a pressure or gravity sewage conveyance line and appurtenances as defined from time to time by the City Standards.

"Commercial Waste" See Industrial/Commercial waste.

"Cover" means the depth of earth material lying between the top of the sewer and the finished grade immediately above it.

"Developer" means any person, firm, partnership, association, joint venture, or corporation or any other entity responsible for a given project.

"Director of Public Works" The City of Yelm Public Works Director or his duly authorized representative.

"Down Spout" means the leader, whether pipe, chain, or otherwise, above ground which is installed to conduct water from the roof gutter.

"Drain" means any type of conduction of waste or surplus liquids.

"Easement" The right to use a defined area of property for specific purpose/purposes as set forth in the easement document, on a plat or short plat, or as required for purposes as set forth herein.

"Engineer" Any Washington State licensed professional engineer who represents the developer.

"Equivalent Residential Unit" or "ERU" means the unit of measurement determined by that quantity of flow associated with a single residential household, defined by the City of Yelm Municipal Code Chapter 13.04 as follows:

- A. E.R.U. measurement shall be an equivalent flow of 875 Cubic Feet, or less, per month, based on water meter in-flow, or sewer effluent meter when installed by owner with approval of Yelm Sewer Department.
- B. With respect to each residential structure, the number of E.R.U.'s and associated "base flow" will be based on Table 1A.

TABLE 1A

<b>Type of Unit</b>	<b>ERUs/unit</b>	<b>Base Flow</b>
Single Family Residence	1.00	875cf
Duplex Dwelling Unit	1.00	875cf
Triplex Dwelling Unit	0.90	788cf
Fourplex Dwelling Unit	0.80	700cf
Residential Structures > 4 Units	0.75	675cf

C. With respect to uses other than residential, one E.R.U. shall be designated for each eight hundred seventy five (875) cubic feet of water consumed per month or sewage discharged as measured at source.

“Facilities” May include any or all of the following:

- a. Water: Public water facilities constructed within the City or connected to the City water system(s).
- b. Sewer: Public sewage facilities constructed within the City or connected to the City sewerage system and/or discharging into or through the City’s sewage system(s).
- c. Drainage: Public drainage facilities constructed within the City or connected to the City drainage system and/or discharging into or through the City’s drainage system(s).
- d. Streets: Public streets constructed within the public Right-of-Way or public easements within the City.
- e. Curb, gutter and sidewalk: Public curb, gutter and sidewalk constructed within public Right-of-Way within the City.
- f. Lighting: Street lighting facilities constructed within public Right-of-Way within the City.
- g. Transit: Transit facilities such as stops, stop pads, shelter pads, shelters, and bus pull outs often constructed within public Right-of-Way within the City.
- h. Signals: Public traffic signals constructed within public Right-of-Way within the City and other traffic signals for which the City shall assume maintenance responsibility.
- i. Other: Any other public facilities within the City of facilities connected to a City system.

“Garbage” Means solid waste which includes, but is not limited to, matter originating from the preparation, cooking, and dispensing of food; from

handling, sale, and storing of produce; from public places or from private ownership.

"Half-Street" Street constructed along an edge of development utilizing half the regular width of the Right-of-Way and permitted as an interim facility pending construction of the other half of the street by the adjacent owner.

"Health Officer" Means the official responsible for the public health of the citizens of Yelm or his/her designee. See Director.

"House Drain" or "Building Drain" - Means the pipe used for conveying sewage from the building to the clean-out or to a point 2 1/2 feet beyond the outer line of any footing, piling, building support, or porch under which it may run; whether such drain consists of one line extending from the building or of two or more such lines.

"Industrial/Commercial Waste" Means the wastes from an industrial or commercial process, as distinguished from sanitary sewage.

"Inspection" The field verification and documentation by the City of the construction of any facility.

"Licensed Sewer Contractor" Means any contractor licensed by the State of Washington who is duly registered as a "specialty contractor" or a "general contractor," and as such is licensed to construct, install, repair, reconstruct or excavate any sewers and to connect any building sewer to such public sewers, and who possesses a valid City of Yelm Business License.

"Lot of Street Frontage" The distance between the two points where the lot lines intersect the boundary of public street Right-of-Way.

"Maintenance Manager" See Director.

"Municipal Sewer Service Area" or "Sewer Service Area" Means the geographic area identified in the City of Yelm's Comprehensive Sewer Plan in which sewer service is currently available and planned to be served with sewer service in the future.

"Municipal Sewer System" Means the City of Yelm's sewer system and includes collectively: the STEP system, collection lines, treatment plant, discharge piping and outfall piping.

"N.P.D.E.S." An abbreviation for National Pollution Discharge Elimination System which is a Federal wastewater discharge permitting system that establishes discharge limits for facilities discharging wastewater to waters of the United States of America.

"Occupant" Means any person in physical possession of the building or structure to which sewer service is available, whether the owner, tenant, or other person holding a possessory interest.

"Onsite" Means that the majority of the component parts of a wastewater collection or soil absorption system are located on the private property where the wastewater is generated.

"Owner" means any person who holds fee title to the subject property.

"Ph" Means the logarithm of the reciprocal of the weight of hydrogen ions in grams per liter of solution.

"Person" Means any individual, firm, company, association, society, corporation, or group.

"Plans" The plans, profiles, cross sections, elevations, details, and supplementary specifications, sign by a licensed professional engineer and approved by the Director of Public Works, which show the location, character, dimensions, and details of the work to be performed.

"Plan Checking" The process performed by the City to check the completeness and accuracy of any drawings, calculations and other information submitted for public works approval and to review and confirm the facility satisfies and meets the intent of all City and other requirements.

"Pretreatment Ordinance" Means an ordinance adopted by the City of Yelm addressing the type or level of treatment that may be required prior to the discharge of sanitary sewage into the STEP system.

"Primary Treated Waste Water" Means wastewater that has been treated by a STEP tank.

"Private Street" Private vehicular access provided for by an access tract, easement, or other legal means to serve property that is privately owned and maintained.

"Project" General term encompassing all phases of the work to be performed and is synonymous to the term "improvement" or "work".

"Public Right-of-Way" A general term noting public land, property, or interest therein (e.g., an easement) acquired for or devoted to roads, alleys, streets, avenues, arterials, bridges, tunnels, highways, and other publicly owned grounds and places used for the free passage of vehicular and pedestrian traffic and other services, including utilities.

"Public Place" or "Public Area" Means any space dedicated to or acquired for the use of the general public or utilized with the permission of the owner or occupant on a continuing basis by the general public.

"Sanitary Sewage" Means the combination of the water-carried wastes from residences, business buildings, institutions, commercial and industrial establishments, which wastes contain polluted matter subject to treatment at the sewage treatment plant, i.e., sanitary sewer.

"Sanitary Sewer System" Means an integrated system of piping, pumps, valving and related structures constructed for the purpose of collecting and conveying domestic wastewater from sources to points of treatment.

"Senior Citizen" Means a head of household over the age of 65 who is retired and is below the median income as established by the City.

"Septic Tank" Means a tank designed to provide primary treatment of the wastewater, and sized according to the City of Yelm's "Technical Specifications STEP Onsite System". See "STEP Tank".

"Sewer" Means a pipe or conduit for conveyance of wastewater; and may be either gravity or pressure flow.

"Sewer Collection System" see "Sanitary Sewer System".

"Sewer Service Area" see "Municipal Sewer Service Area".

"Sewer System" Means the treatment plant, outfall, collection lines and STEP system as defined herein.

"Shall - May" For purposes of this Code, "Shall" shall be deemed to be mandatory and "May" permissive, unless the circumstances of the utilization thereof mandate otherwise.

"Side Sewers" Means the sewer pipe from the building drain to the STEP or Septic tank serving the particular building, beginning at a single discharge point 2 1/2 feet outside the foundation wall, or at the clean-out if closer than 2 1/2 feet outside the foundation wall but still outside the foundation wall, and ending at the inlet to the STEP or Septic tank. Side sewer maint. shall be the responsibility of the property owner.

"Site Plot" or "Site Map" Means a map of the side sewer location retained by the City in conjunction with any permit; the site plot or site map shall serve as a record of all matters pertaining to said permit.

"Slug" Shall mean any discharge of water, sewage or commercial/industrial wastewater which, for any period longer than 15 minutes, has a flow rate or concentration of any given constituent that exceeds more than five (5) times the average twenty-four (24) hour flow rate or concentration of normal operation.

"Soil Absorption System" Means a system designed to percolate primary treated wastewater into soil through the use of a drainfield, mound system or other land disposal system approved by the Thurston County Health Department.

"Standard Participation Contract" Shall mean the form of contract required by this Code to be entered into before properties which have not yet been



connected to or assessed for sewers or do not otherwise qualify for sewer service may nevertheless use the public sewers of the City of Yelm.

"Standard Specifications" Shall mean the latest version of the Standard Specifications for Road, Bridge, and Municipal Construction, prepared by the Washington State Department of Transportation and the American Public Works Association, Washington State Chapter, including the Division 1 APWA supplement.

"STEP" Shall mean the Septic Tank Effluent Pump System defined in the latest version of the Department of Ecology Criteria for Sewage Works Design.

"STEP System" Means all facilities from the building drain to the sewer collection lines including: the STEP tank, pump, screens, controls, alarms, electrical breakers, the effluent line, including the pipe, valves and valve box, and all miscellaneous appurtenances from the STEP tank to the sewer collection line.

"STEP Tank" Means a Septic Tank Effluent Pump Tank and appurtenances as defined by the City Standards.

"Public Street" Publicly owned and maintained street.

"City of Yelm Department of Public Works" - or "Public Works" Means the sewer function of the City of Yelm and the rules, regulations, boundaries, etc., relating to such sewer function. See Director.

"Road" Used interchangeably with street.

"Street" Used interchangeably with road.

"Suspended Solids" Means solids that either float on the surface of or are in suspension in water, sewage, or other liquids, and which are removable by the application of a treatment process.

"Third submittal" The third and any subsequent submittal of construction drawings, specifications, drainage calculations, and/or other information that requires additional plan checking pertaining to the construction of City facilities.

"Treatment Plant" Means the structures, equipment, and facilities required to receive, treat, reclaim, wastewater, including the outfall piping and structures.

"Use of Pronoun" As used herein, the singular shall include the plural, and the plural the singular; any masculine pronoun shall include the feminine or neuter gender and vice versa; and the term "person" includes natural person or persons, firm, co-partnership, corporation or association, or combination thereof.

"Utility" A company providing public service including, but not limited to, gas, oil, electric power, street lighting, telephone, telegraph, water, sewer, or cable television, whether or not such company is privately owned or owned by a governmental entity.

"YDS" Yelm Engineering Specifications and Standard Details.

"YMC" Yelm Municipal Code.

### **1.00.030 Changes to Standards**

From time to time, changes may be needed to add, delete, or modify the provisions of these Standards. These Standards may be changed and, upon approval of the Director of Public Works, shall become effective and shall be incorporated into the existing provisions.

### **1.00.035 Severability**

If any part of these Standards as established by ordinance shall be found invalid, all other parts shall remain in effect.

### **1.00.040 Construction Control**

Work performed for the construction or improvement of City roads and utilities whether by or for a private developer, by City forces, or by a City contractor, shall be done to the satisfaction of the City and in accordance with approved plans. It is emphasized that no work shall be started until such plans are approved. Any revision to such plans shall be approved by the City before being implemented. Failure to receive the City's approval can result in removal or modification of construction at the contractors or developers expense to bring it into conformance with approved plans.

### **1.00.045 Inspection**

All work performed within the public Right-of-Way or easements, or as described in these standards, whether by or for a private developer, by City forces, or by a City contractor, shall be done to the satisfaction of the City and in accordance with the WSDOT/APWA Standard Specifications, any approved plans and these standards. Unless otherwise approved, any revision to construction plans must be approved by the City before being implemented.

It is the responsibility of the developer, contractor, or their agents to notify the City in advance of the commencement of any authorized work. A preconstruction meeting and/or field review shall be required before the commencement of work. Inspection fees shall be paid on or before the preconstruction meeting. Any necessary easements or dedications are required before plan approval.

It is the responsibility of the developer, contractor or their agents to have an approved set of plans and any necessary permits on the job site whenever work is being accomplished.

The City shall have authority to enforce these standards as well as other referenced or pertinent specifications. The City will appoint project engineers, assistants and inspectors as necessary to inspect the work and they will exercise such authority as the City may delegate.

All specific inspections, test measurements or actions required of all work and materials are set forth in their respective chapters herein. Tests shall be performed at the developer's or contractor's expense.

Failure to comply with the provisions of these standards may result in stop work orders, removal of work accomplished, or other penalties as established by ordinance.

A project is considered final when a letter of acceptance is issued by the City to the party responsible for the project.

No water meters shall be released for any lot or building served by a project until final acceptance has been granted.

#### **1.00.050 Bonding**

Bonds or other allowable securities may be required by the City to guarantee the performance of or maintenance of required work. The type and amount of security shall be per resolution, or, if not specified, be at the discretion of the City. Types of securities include but are not limited to a bond with a surety qualified to do a bonding business in this state, a cash deposit, an assigned savings account, or a set aside letter.

The following are the most frequent bonds required:

- A. Performance Bond. No building permit shall be issued until all public improvements are completed or, with the approval of the Director of Public Works, a performance bond with a surety qualified to do business in this state, a cash deposit, assigned savings account or other security acceptable to the City, in an amount equal to one hundred fifty percent of the cost of the public works improvements is posted with the City. No certificate of occupancy shall be issued until all public works improvements are completed and approved unless otherwise allowed by the Director of Public Works.
- B. Maintenance bond. Prior to the commencement of work, the permittee or the contractor for the permittee shall post with the City a maintenance bond for guarantee of such public works improvements with a surety qualified to do business in this state, a cash deposit, an assigned savings account or other security acceptable to the City in an amount equal to

twenty percent of the estimated cost of the public works improvements for a period of one year after the completed job is accepted by the City. Release of bond or other security will occur one year from City acceptance if all maintenance has been accepted by the City.

#### **1.00.055 Utility Locations**

- A. Utilities within a Right-of-Way or easement on new roads or in roadways where existing utilities are not in conflict, shall be located as shown in typical sections on Drawings 2-1 through 2-7. Where existing utilities are in place, new utilities shall conform to these standards as nearly as practical and yet be compatible with the existing installations. Deviations of location shall be approved by the Director of Public Works. Existing utilities shall be shown using the best information available. This verification may require exploration/excavation (potholing) if utilities are in conflict with proposed design.

The contractor/developer shall be responsible for utility locates in conjunction with their project until final Public Works approval is given.

- B. When practicable all new utilities other than those located on private property shall be installed underground by the utility owning said facility and new and existing facilities shall comply with provisions as set forth in franchise agreements between the City and utility, the Underground Communication Facilities and Easements for Public Utilities sections. Utilities converted from overhead to underground on existing roadways may be located within the Right-of-Way.

The term electrical or communication facilities includes facilities carrying any electrical energy, including but not limited to, electric power, telephone, telegraph and cable television; provided, however, that the terms shall not include the following facilities:

1. Electric utility substations, surface mounted transformers and switching facilities;
2. Electric transmission systems of a voltage of 55kv or more and equivalent communication facilities;
3. Street lighting standards;
4. Telephone pedestals and other equivalent communications facilities;
5. Police and fire sirens or any similar municipal equipment, including traffic control equipment.

#### **1.00.060 Underground installation required**

- A. Transmission Lines. All electrical and communication facilities other than electrical or communication services located on private property shall be

installed underground by the utility owning said facility in the following cases:

1. When it becomes necessary to remove existing overhead facilities for a distance of five hundred feet because of a roadway widening project or other similar reason;
2. When existing overhead facilities for a distance of over five hundred feet are to be replaced; provided, however, this provision shall not apply to replacements due solely to casualty damage nor to replacement of wire only;
3. When any electrical or communication facilities are extended beyond those facilities existing on the effective date of this chapter; provided, however, that this subsection shall not apply to the extension by a cable television utility of facilities by the use of existing overhead poles of another utility.
4. When another utility having facilities along the same street or easement places its facilities underground for a distance of over five hundred feet.

All undergrounding of facilities initiated by a utility company must have approval of the City Council or its representative prior to undertaking such project.

B. Services. All electrical and communications services located on private property shall be installed underground by the owner of the property in the following cases:

1. All new electrical and communication services from an overhead or underground facility to service connections of structures shall be installed underground;
2. All rebuilt or relocated electrical or communication service lines from an overhead or underground facility to service connections of structures shall be installed underground unless such rebuilding or relocation involves a change in the overhead service line only without a change in the corresponding service entrance facilities;
3. All existing electrical and communication services shall be converted to underground by the owner or owners of the property upon which said services are located within 90 days after notification by the City in accordance with Section 35.96.050 RCW that underground facilities are available.

### **1.00.065 Easements for Public Utilities**

Easements for public utilities shall be provided on each side of all rear lot lines and side lot lines where necessary. Such easements shall not be less than five feet wide on the half-width that is reserved from the rear of each of the adjacent lots. Insofar as possible, the easements shall be continuous and aligned from block to block within the subdivision and with adjoining subdivisions. Easements for existing or future utility lines which do not lie along rear or side lot lines shall be at least ten feet wide.

Easements for unusual facilities such as high voltage electrical lines, shall be of such widths as is adequate for the purpose, including any necessary maintenance roads.

A Right-of-Way access permit is required of any utility, except City owned facilities and utilities who hold a franchise agreement with the City, for any work done within the Right-of-Way.

#### **1.00.070 Obstruction of Streets**

Permit Required. Whenever any person, firm or corporation, intends to obstruct, excavate or install any facility in the City Right-of-Way, including the extension of City utilities, they shall first obtain a Right-of-Way access permit. Typical facilities covered by this chapter are signposts, utility poles, culverts, underground utilities, curbs, sidewalks, bus shelters, fences, street lights or any manner of obstruction and/or construction which occupies the Right-of-Way.

Permit exemptions. A Right-of-Way access permit shall not be required under the following conditions:

- A. When City employees perform work on behalf of the City within the Right-of-Way;
- B. When a public utility, under franchise agreement when the City, performs normal maintenance as defined in the franchise agreement in order to protect the existing utility system;
- C. When normal disasters or other emergencies make it impossible to obtain a permit prior to commencing work. In such event, the Director of Public Works shall be notified as soon as possible.

#### **1.00.075 Restoration of work surface**

All work undertaken, including but not limited to excavation, backfilling, surface restoration, protection of utilities, traffic control, safety precautions, noise and dust control and clean up, shall be performed in accordance with standard specifications. All work shall require restoration of the surface to original or better condition in accordance with such specifications. The permittee shall guarantee the work and condition of the street, sidewalk or

Right-of-Way for a period of one year after the completed job is accepted by the City.

Rules of all Washington state departments having jurisdiction shall be strictly adhered to with respect to safety construction methods and other state requirements.

#### **1.00.080 Bond Required**

Prior to commencement of the work under a permit granted pursuant to this chapter, the permittee or the contractor for the permittee shall post with the City a bond with surety qualified to do a bonding business in this state, a cash deposit or an assigned savings account or other security acceptable to the City in an amount equal to one hundred fifty percent of the cost of the work as estimated by the Director of Public Works. Such bond, deposit or other security shall be conditioned upon the permittee or its contractor performing the work pursuant to the terms of this chapter, including the restoration and/or replacement of the street, sidewalk, or other Right-of-Way within the time specified by the Director of Public Works, and a maintenance bond guaranteeing such work and replacement at ten percent of the estimated cost of surface restoration for a period of one year after the completed job is accepted by the City. For those public utilities which hold a franchise agreement, a maintenance bond is not required.

#### **1.00.085 Easements**

- A. Where public utilities and/or their conveyance systems cross private lands, an easement must be granted to the City. The City will generally process, record and file all easements. If the property is platted the easement may be conveyed when the short plat or final plat is filed. All easements not shown on a plat must be prepared by a licensed land surveyor or engineering firm capable of performing such work.
- B. Easement widths shall be 15 feet for a single utility and 20 feet for dual utilities. Construction easements shall be 30 feet minimum in total width, including the permanent easement. When trench depths dictate or where pipe diameter or vault widths exceed four feet, a wider easement may be required by the City.
- C. Easements are required to be submitted in draft, unsigned for review and approval prior to plan approval. Signed copies are required prior to plan approval. Any change in design which places an amenity, i.e., water, sewer, sidewalk, etc., outside of the easement may necessitate stopping of construction until plans and easements can be resubmitted and approved. Plan review fee shall be based on the rate as established for third submittal fee. Easements will be filed by the City upon satisfactory completion of the work.

### **1.00.090 Latecomers Agreements**

Any person who constructs a water or sewer main extension at the direction of the City, in excess of that which is required to meet minimum standards or which meets minimum standards and will benefit properties abutting the new main, may, with the approval of the Director of Public Works, enter into a contract with the City which will allow the developer to be reimbursed for that portion of the construction cost that benefits the adjoining properties and/or is in excess of the minimum standard. This contract is commonly termed a "Latecomers Agreement." Application procedures are located in Title 13, YMC.

### **1.00.095 Utility Extension**

- A. Anyone who wishes to extend any City utility should contact the Department of Public Works for an Extension/Connection Fee Estimate and any special extension requirements.
- B. Utility mains shall be extended to and through the extremes of the property being developed for loop closures and/or future development as determined by the City.

### **1.00.100 Annexation Requirement**

Owners of properties lying outside of, but contiguous to City boundaries must apply for annexation of their property to the City prior to being served by a City owned utility. Owners of properties lying outside of but not contiguous to the City must legally commit their property to eventual annexation prior to being served by the City's utility system. Section 13.08.020(H) YMC.

These annexation requirements will be applied to all extensions of the City's utility to areas outside the City limits. Anyone who desires to extend the City's utility system should contact the Department of Public Works for specific annexation requirements.

### **1.00.105 Traffic Control**

- A. The developer/contractor shall be responsible for interim traffic control during construction on or along traveled roadways. Traffic control shall follow the guidelines of the WSDOT/APWA Standard Specifications. All barricades, signs and flagging shall conform to the requirements of the MUTCD.
- B. City utilities constructed within Thurston County Right-of-Way shall follow all traffic control requirements as set forth by Thurston County Department of Public Works and MUTCD.



- C. Signs must be legible and visible and should be removed at the end of each work day if not applicable after construction hours.
- D. When road closures and detours cannot be avoided the contractor/developer shall notify the Department of Public Works / Development Review Engineer. The City may require a detour plan to be prepared, submitted and approved prior to closing any portion of a City roadway.
- E. A Right-of-Way Access Permit may be required before work in the road can commence. See requirements in Title 18 YMC, Unified Development Code.

**1.00.110 Call Before You Dig**

All developers/contractors are responsible for timely notification of all utilities in advance of any construction in Right-of-Way or utility easements. The utilities one-call Underground Location Center phone number is 1-800-424-5555.