

ORDINANCE NO. 760

AN ORDINANCE AMENDING ORDINANCE NO. 747 TO INCLUDE STORMWATER MANAGEMENT-RELATED DEFINITIONS IN THE CITY OF WILSONVILLE 2014 PUBLIC WORKS STANDARDS.

WHEREAS, the City's current Public Works Standards were updated in 2014 and adopted by Ordinance No. 747 on September 15, 2014; and

WHEREAS, standard engineering practice is to review, revise and update design and construction standards to maintain compliance with the periodic changes to national and state design requirements, guidelines, and specifications; and

WHEREAS, updating the Public Works Standards and being in conformance with national and state guidelines is critical in producing high quality construction, limiting maintenance cost for the City, and limiting the City's exposure to legal liability; and

WHEREAS, the Public Works Standards provide design requirements, material specifications, construction procedures and specifications, testing standards, and acceptance and maintenance requirements for construction of all publicly maintained roadways and pathways, and stormwater, sanitary, and water systems to be used by developers, design engineers, and contractors; and

WHEREAS, the Public Works Standards for designing and constructing public facilities are intended to protect public health, safety, and welfare; and

WHEREAS, it is to the benefit of the City of Wilsonville, developers, design engineers, and contractors to have all specifications and design requirements relating to publicly maintained infrastructure located within a single source of information; and

WHEREAS, definitions related to stormwater management were not included in the Public Works Standards adopted by Ordinance No. 747; and

WHEREAS, the stormwater management definitions clarify and inform the terminology included in the Public Works Standards; and

WHEREAS, after providing due public notice, as required by City Code and State Law, a public hearing was held before the City Council on November 17, 2014, at which time the City Council gathered additional evidence and afforded all interested parties an opportunity to present oral and written testimony concerning the Public Works Standards; and

WHEREAS, the City Council has carefully considered the public record, including all recommendations and testimony, and being fully advised.

NOW, THEREFORE, THE CITY OF WILSONVILLE ORDAINS AS FOLLOWS:

1. FINDINGS.

The above-recited findings and those findings and conclusions in the attached staff report, attached hereto as Exhibit A, are hereby adopted as findings of fact and conclusions of law.

2. DETERMINATION.

Based upon such findings, the City Council hereby adopts the stormwater management definitions to be included in the 2014 Public Works Standards, a copy of which is on file with the City Recorder and made part of the record hereof, which shall replace and superseded all prior Public Works Standards adopted by Ordinance , resolution or motion.

3. EFFECTIVE DATE OF ORDINANCE.

This Ordinance shall be declared to be in full force and effect thirty (30) days from the date of final passage and approval.

SUBMITTED to the Wilsonville City Council and read for the first time at a regular meeting thereof on the 17th day of November, 2014, and scheduled for a second reading at a regular meeting of the Council on the 1st day of December, 2014, commencing at the hour of 7:00 P.M. at the Wilsonville City Hall.

Sandra C. King, MMC, City Recorder

ENACTED by the City Council on the 1st day of December, 2014 by the following votes:

Yes: -5- No: -0-

Sandra C. King, MMC, City Recorder

DATED and signed by the Mayor this ____ day of ____, 2014.

TIM KNAPP, Mayor

SUMMARY OF VOTES:

Mayor Knapp - Yes

Council President Starr - Yes

Councilor Goddard - Yes

Councilor Fitzgerald - Yes

Councilor Stevens - Yes

101.4.00 DEFINITIONS

The following definitions apply throughout these standards:

AASHTO:	American Association of State Highway and Transportation Officials
AC:	Asphaltic concrete
ACI:	American Concrete Institute
ACPA:	American Concrete Pavement Association
ADA:	Americans with Disabilities Act
ADAAG:	American with Disabilities Act Accessibility Guidelines and Standards
ADT:	Average daily traffic
ANSI:	American National Standards Institute
APWA:	American Public Works Association
ASTM:	American Society for Testing and Materials
AWWA:	American Water Works Association
Act of God:	Earthquake, flood, cyclone, or other cataclysmic natural phenomenon
Addendum:	Written or graphic modification or interpretation of contract documents
Agreement:	Written agreement covering performance of work and furnishing of labor and materials in construction of work
Alley:	Street or road primarily intended to provide secondary access to road or side of lots or buildings and not intended for normal through vehicular traffic

Applicant:	Person, organization, or duly authorized representative identified as such in specifications and in agreement, and referred to throughout contract documents as if singular in number and masculine in gender; means owner or authorized representatives, including parties acting as designated authority for aspects of work
Approve:	“Approved,” “approve,” “approval,” or similar words shall mean to give, in writing, limited, conditional, or qualified permission to use material, equipment, or methods, such conditions being in strict compliance with City’s standards; approval will be by the City’s authorized representative
ARCPACS:	A federation of certifying boards in agriculture, biology, earth, and environmental sciences. Provides professional certification for soil scientists whose education, experience and career path are in some aspect of the soil science profession and can meet the standards of the ARCPAC program
As-Built Plans/Record Drawing:	Plans signed and dated by the Project Engineer indicating that the plans have been reviewed and revised to accurately depict all known as-constructed details of a particular public works project
As-Constructed Plans/Record Drawing:	See As-Built Plans/Record Drawing
Authorized representative:	Party or parties authorized or employed by applicant to observe, test, or review quality and sufficiency of work performed, materials used, and determine compliance with plans and specification; for the City of Wilsonville, designated authority shall be the City Engineer or one of the City’s authorized representatives
Bid bond:	Form of security furnished by contractor, guaranteeing that he/she will enter into a contract in accordance with contract documents if the proposal is accepted
Bidder:	Any individual, firm, or corporation formally submitting a proposal for work contemplated, or any part of it, acting directly or through an authorized representative

Bioengineering: A construction methodology used to stabilize and conserve soils through the use of live plants alone or in combination with biodegradable material to produce living, functioning systems that can prevent erosion, control sediment, and provide habitat

BMP: Best Management Practice

Formatted Table

BMP Sizing Tool: A computer program, approved by the City, for use in calculating the required size of the stormwater management facilities.

BPMP: City of Wilsonville's Bicycle and Pedestrian Master Plan, latest edition

Building Drain: The building drain is that part of the lowest piping of the sewer system which receives the discharge from waste and other drainage pipes inside the walls of the building and conveys it to the building sewer, which begins five feet (5') outside the building wall (building foundation)

Building Foundation: That part of the horizontal piping of the sewer system which extends from the end of the building drain and which receives the discharge of the building drain and conveys it to a public sewer, or privately managed sewage collection system, or other point of disposal

CD: Construction documents

CDF: Control density fill

CEC: Cation exchange capacity

CLSM: Controlled Low-Strength Material

CN: Curve number

Certificate of Insurance: Evidence of insurance coverage of the contractor, furnished to the City

Change order: Written order to contractor by City Engineer or the City's representative authorizing addition, deletion, or revision of work within general scope of contract, or adjustment in price or time

City: City of Wilsonville

City Boards and Commissions:

City Council: Five-member governing body responsible for identifying community problems and needs, and establishing policies and goals to address those needs

Development Review Board: Empowered to review and take action on land-use applications; decisions are usually binding, but may be appealed to City Council

Planning Commission: Makes recommendations to City Council regarding City's comprehensive plan, facilities plans, capital improvements program, and planning and zoning ordinances and provide input on traffic-related concerns

Parks & Recreation Advisory Board: Aids in planning and developing present and future parks and recreation in City and advises City Council on policy matters regarding parks and recreation services

City Engineer: Professional Engineer registered in the State of Oregon, designated by the City Manager to carry through with planning, designing, and project supervision of public facilities that will be accepted and owned by the City

Contract: Binding agreement between contractor and applicant covering performance of work and furnishing of labor and materials for construction of public facilities

Contractor: The person or entity that has entered into contract with the applicant; "contractor," though here used to describe an individual, shall mean contractor, agents, employees, officials, subcontractors, or anyone connected with work set forth on behalf of contractor

Contract documents: Agreement, addenda, instructions to bidders, contractor's proposal, bonds, notice of award, notice to proceed, general provisions, technical provisions, plans, change orders, field orders, and all other modifications of such documents entered into in accordance with contract

Contract price: Total amount payable to contractor for work, including all sales, use, and other consumer taxes related to work.

Contract time: Number of calendar days allowed contractor to complete work

Construction maintenance assurance:	A one-year bond for 10% of the cost to construct public improvements
County road:	Public road incorporated into county roadway system by formal action of Board of County Commissioners; these roads are assigned numbers and county assumes maintenance responsibility
Cut Sheets:	Sheets of tabulated data, indicating stationings, structures, fittings, angle points, beginning of curve, points on curve, end of curves, sewer slope, staking offset, various elevations, offset cuts, and sewer depths
Definition of Words:	Wherever, in these PS & FM Standards, the works directed, required, permitted, ordered, designated, or words of like meaning are used, they shall be understood to mean the direction, requirement, permission, order or designation of the City Engineer. Similarly, the words approved, acceptable, satisfactory, shall mean approved by, acceptable, or satisfactory to the City Engineer
DBH	Diameter at Breast Height: Standard method of determining the size of a tree
DEQ:	Oregon Department of Environmental Quality
Design engineer:	Professional Engineer registered in the State of Oregon responsible for planning, designing, and producing record drawings of public facilities that will be accepted and owned by the City
<u>Design Storm:</u>	<u>The distribution of rainfall intensity over time, identified to have a probability of recurrence, given in years (i.e. five-year design storm).</u>
<u>Detention:</u>	<u>The release of surface water runoff from a site at a slower rate than it is collected by the drainage system, the difference being held in temporary storage.</u>
Detail Drawings:	Construction drawings produced by the City of Wilsonville providing details of acceptable construction standards for public facilities. Drawings may be periodically updated or changed, as needed, by approval of the City Engineer

Development:	Development includes new development, redevelopment, and/or partial redevelopment
Directed, required, etc.:	In these standards, “directed,” “required,” “permitted,” “ordered,” “designated,” or similar words shall mean at the direction, requirement, permission, order, or designation of applicant or City Engineer
<u>Discharge:</u>	<u>Any addition of water, stormwater, wastewater, process water or any pollutant or combination of pollutants to waters of the State, directly or indirectly, by actions of dumping, spilling, disposing or physically connecting to the public storm system or natural drainage conveyance.</u>
Domestic Sewage:	The liquid and water borne waste derived from the ordinary living process, free from industrial wastes, and of such character to permit satisfactory disposal, without special treatment, into the public sewer or by means of private sewage disposal system
Drainage Waste:	Storm water, ground water, surface drainage, subsurface drainage, spring water, well overflow, roof drainage, or other like drainage other than sewage or industrial waste
<u>Drainageway:</u>	<u>A natural or manmade channel formed by existing or manmade topography which directs and/or carries surface stormwater runoff.</u>
Dwelling Unit:	A facility designed for permanent or semi-permanent occupancy and provided with minimum kitchen, sleeping, and sanitary facilities for one family
Easement:	An interest in land owned by another that entitles the easement holder to a specific limited use of the land; however, ownership of the land does not change
Easement, Public Pipeline:	The space identified within the easement document that is in, upon, above, along, across, over or under the publicly owned and maintained storm, sanitary, or water facility

Easement, Public Utility: The space in, upon, above, along, across, over or under the easement as identified within the easement document. By way of general description, public utility easements are typically created along the border(s) of a tax lot or frontage along public right-of-way and are intended for the use of utility companies and other authorized users to operate, place, relocate and maintain facilities in accordance with city requirements and standards

Erosion: The visual or measureable movement of soil particles resulting from the flow of, or pressure from water, wind, or earth movement.

Formatted Table

EPSC Plan: Erosion Prevention and Sediment Control Plan following recommendations outlined in the Erosion Prevention and Sediment Control Planning and Design Manual, latest edition

EPSC Planning and Design Manual: Erosion Prevention and Sediment Control Planning and Design Manual developed in partnership between CleanWater Services of Washington County, Water Environment Services of Clackamas County, City of West Linn, ODOT, and Harza Engineering, latest edition

FEMA: Federal Emergency Management Agency

FHWA: Federal Highway Administration

Field order: Written order to contractor, approved by applicant, changing work but not affecting contract price or time

Final completion: Date when project correction list is completed; a 10% maintenance bond is submitted in accordance with contract documents, as modified by change orders agreed to by parties, or as specified in [Section 101.8.17](#), "Project Closeout;" and the City's authorized representative receives confirmation that all easements and legal documents have been recorded with the County Recorder

First party: Applicant or duly authorized representative

Flow: The liquid and water borne waste derived from domestic sewage, industrial wastes, and in some cases drainage waste

Grout: Thin, fast-setting, high-strength, non-shrink mortar used to fill cracks and joints in masonry

HMAC:	Hot mixed asphalt concrete
<u>Hazardous Materials:</u>	<u>Materials described as hazardous by ODEQ, including any toxic chemicals listed as toxic under Section 307(a) of the Clean Water Act or Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA).</u>
ICEA:	Insulated Cable Engineers Association
<u>Impervious Surface:</u>	<u>Surface area which prevents or retards the entry of water into the soil mantle and/or causes water to run off the surface in greater than natural quantities or at an increased rate. Impervious surfaces may include, but are not limited to, rooftops, concrete or asphalt paving, walkways, patios, driveways, parking lots, oiled macadam, gravel, or other surfaces which similarly resist infiltration or absorption of moisture.</u>
Inclement weather:	Weather conditions so extraordinary that previous climatic conditions in locality of work give no reasonable warning of them; shall be determined by City Engineer
Indicated, shown, etc.:	“Indicated,” “noted,” “shown,” “called for,” or similar words shall mean indicated, noted, shown, or called for in the contract documents for the work referred to
Industrial Waste:	A water borne waste and wastewater from other than domestic users
Intersection:	Area jointed by two or more roads intersecting; for design purposes, intersection is not formed by naming two approaches of continuous street at curve or other point with different street names
Landscape maintenance assurance:	A bond for 100% of the cost to install all required landscaping in water quality/quantity facilities and vegetated corridors, plus 100% of the cost to maintain the landscaping in these areas for the duration of the bond
Large-diameter pipe:	Pipe with diameter larger than 24 inches
Lateral Sewer (Service Lateral):	Any sewer line to which a private building sewer connects or may connect. The lateral sewers are located within public right-of-way or easement, and generally connect to the main sewer and extend to the right-of-way or easement

Formatted Table

Letter of commitment: A letter issued by another jurisdictional agency to the City as performance assurance or maintenance assurance and warranty for public improvements

LID: Low Impact Development is a stormwater management approach that focuses on mimicking the natural, pre-developed hydrologic function of healthy ecosystems by managing rainfall at the source, as it hits the ground, using decentralized, small scale controls that provide infiltration, vegetative uptake, and creation of extended flow paths.

LID facility: A stormwater facility that mimics natural surface hydrological functions through infiltration or evapotranspiration, or that involves stormwater reuse. Examples of LID facilities are included in Section 3.

Main Sewer (Public Sewer): A public sewer that has been or is being constructed to accommodate more than one lateral sewer or to which a building sewer connects or may connect. (Normally not less than eight inches in diameter)

Maintenance Assurance Bond: Maintenance assurances required by the City for work performed to ensure post-construction quality and landscape survivability. May consists of both construction maintenance assurance and landscape maintenance assurance

Manager: The City Manager of the City of Wilsonville or his/her authorized representative

Manufacturer's Name: Any manufacturer's name, specification, catalog number, or type used herein is specified to make and order to establish the standard requirements of the City. Other equivalent makes will be considered for approval, providing they are comparable with this established standard

MEP: Maximum Extent Practicable.

Formatted Table

Mortar: Plastic building material of cement or lime, sand, and water that hardens in place and is used in masonry or plastering

MUTCD: *Manual on Uniform Traffic Control Devices*, latest edition

NAVD 88: North American Vertical Datum of 1988: the vertical control datum established in 1991 by the National Geodetic Survey

Neighborhood Erosion Control Plan:	An approved erosion-prevention and sediment-control plan for multiple lots
NEMA:	National Electrical Manufacturers Association
NGVD 29:	National Geodetic Vertical Datum of 1929: vertical control datum established for vertical control in the United States by the general adjustment of 1929 (formerly called the “Sea Level Datum of 1929”)
NPSH:	Net Positive Suction Head, in association with sanitary sewer pumping units
NRCS:	National Resource Conservation Service
Notice to proceed:	Written notice given by designated authority to contractor fixing date when contractor shall begin to perform the obligations under contract documents
O&M plan:	Operation and maintenance plan for mechanical systems to be operated by the City, or plan designed for stormwater facilities and prepared by the responsible party in the Stormwater Maintenance Covenant and Access Easement
ODFW:	Oregon Department of Fish and Wildlife
ODOT:	Oregon Department of Transportation
ODOT QPL:	Qualified Products List; published twice each year by ODOT’s Construction Section
ODOT SSC:	2015 Oregon Department of Transportation Standard Specifications for Construction
OSHA:	Occupational Safety and Health Administration
Or equal:	“Or equal,” “or approved equal,” or similar words shall mean to possess same performance qualities and characteristics and fulfill utilitarian function without any decrease in quality, durability, or longevity and shall meet with approval of designated authority (no inference is intended that items must be identical in all respects if above conditions are satisfied)
Owner:	Any individual partnership, firm or corporation by whom the Project Engineer has been retained or who, as a property owner, is making arrangements with the City

PCA:	Portland Cement Association
PCC:	Portland Cement Concrete
Payment bond:	Form of security furnished by contractor and their surety guaranteeing payment of all labor, material, equipment, and all other obligations arising from work
Performance bond:	Security furnished by applicant, or such other party acceptable to the City, and their surety guaranteeing complete and faithful performance of all obligations and conditions placed on contractor by contract
Person:	Individual, firm, corporation, association, agency, or other entity
Plans:	Plans, profiles, and detailed drawings showing locations, character, dimensions, and details of work to be done
<u>Plant community:</u>	<u>A plant community is defined as a grouping of plants that often occur together growing in a uniform habitat.</u>
<u>Pollutant:</u>	<u>Any of the following, but not restricted to oil grease, soil, mining waste, spoil, solid waste, incinerator residue, sewage, garbage, sewage sludge, munitions, chemical wastes, biological materials, radioactive materials, heat, heavy metals, asbestos, wrecked or discharged equipment, cellar dirt and untreated industrial, municipal and agricultural discharges into water.</u>
<u>Porous pavement:</u>	<u>Surface to walk, drive or park on that may reduce stormwater runoff by allowing water to soak into the ground. Examples are permeable pavers, pervious concrete, porous asphalt and gravel.</u>
Plumbing System:	All plumbing fixtures and traps, or soil, waste, special waste, and vent pipes within a building and to a point five feet outside the building foundation thereof
PRMP:	City of Wilsonville's Parks and Recreation Master Plan, latest edition
Predevelopment:	Considered as the natural, unimproved and unaltered state of the land.

Product data:	Complete catalog data for manufactured items of equipment and all component parts, including specific performance data, material description and source, rating, capacity, working pressure, material gauge thickness, brand name, catalog numbers, and other necessary information
Project correction list:	Final project inspection to repair checklist, or punch list, compiled after construction of total project is complete, and after all testing is satisfactorily finished
Project Engineer:	The engineer, licensed by the State of Oregon as a Civil Engineer, under whose direction plans, profiles, and details for the work are prepared and submitted to the City for review and approval
<u>Pre-developed conditions:</u>	<u>The conditions of the land prior to the original development. For the purposes of hydrological evaluations the pre-developed conditions will use the historical vegetation which existed in the different regions of the City prior to urban settlement.</u>
Proposal:	Offer for work made out and submitted on prescribed proposal form and properly signed and guaranteed by bidder
PUE:	Public Utility Easement
Public road:	Road dedicated for use by public; maintained by the City and funded by the road maintenance fee
Public works facility:	Any facility constructed in public right-of-way or public easement that is either immediately or eventually to be taken over by City for maintenance and operation; includes but is not limited to streets, sidewalks, curbs, parking lots, driveways, storm drainage facilities, water system works, and sanitary sewer systems
Public Sewer:	Any sewer in public right-of-way or public easement operated and maintained by the City
Punch list:	Final project inspection to repair checklist, or project correction list, compiled after construction of total project is complete, and after all testing is satisfactorily finished
Representative:	City Engineer or authorized representative

Reserve strip: A 1-foot wide- section adjacent to or at terminus of right-of-way , to be recorded as a plat restriction with access controlled by the City Engineer.

Retention: The process of collecting and holding surface water runoff from a design storm with no surface outflow.

Residential User: The owner, lessee, or occupant of a single-family dwelling unit in one structure

Right-of-way: The space in, upon, above, along, across, over or under the public streets, roads, highways, lanes, courts, ways, alleys, boulevards, sidewalks, bicycle lanes, and places used or intended to be used by the general public for travel as the same now or may hereafter exist, that the City has the right to allow User to use. Right-of-Way shall not include the airspace above the Right-of-Way used for cellular mobile radio service or broadcast television service

Road: Part of right-of-way used for vehicular traffic, including appurtenances, storm drain system, traffic control devices, etc.

Roadway: All of the right-of-way dedicated, granted, used or to be used, for vehicle movement

SBUH: Santa Barbara Unit Hydrograph

SCS: Soil Conservation Service, U.S. Department of Agriculture

Sensitive areas: Areas sensitive to environmental degradation, such as existing or created wetlands; rivers, streams, and springs with year round or intermittent flow; and impoundments (natural lakes and ponds). Sensitive areas also include any resource protected within the SROZ

Service Lateral: See Lateral Sewer

Sewage: The wastewater derived from human habitation and use of buildings for residential, institutional, or commercial purposes, excluding storm waters and industrial waste

Shop drawings: Diagrams, drawings, illustrations, brochures, schedules, and all other data submittals required by contractor and furnished by contractor illustrating fabrication, installation, dimensions, and other aspects of work

- Source Control: Stormwater management facilities and/or specific actions taken that attempt to control high risk pollutant loading from entering the stormwater runoff through site activities and site design.
- Specifications: Directions, requirements, explanations, terms, and provisions in these standards, supplemented by such special conditions as may be necessary pertaining to various features of work to be done, manner and method of performance, and manner and method of measurement and payment; specifications include directions, requirements, and explanations that appear in plans
- SROZ: Significant Resource Overlay Zone: the delineated outer boundary of an identified significant natural resource as defined by Wilsonville's Development Code
- Standard specifications: Codes, rules, and regulations set forth in City of Wilsonville "Public Works Standards" as adopted by City Council and considered to be the latest issue, with all amendments as of date of these standards
- Standards: Specifications in the "Public Works Standards" adopted for use in City of Wilsonville.
- Steel plate: A-36 steel meeting AASHTO H-20 loading specifications
- Stock pile: Temporary staging of construction and/or excavated materials
- Stormwater management facility: Any structure or drainageway that is designed, constructed, and maintained to collect, filter, retain, or detain surface water runoff during and after a storm event for the purpose of reducing pollutants in stormwater runoff to the MEP. It may include, but is not limited to constructed wetlands, rain gardens, water quality swales, planters, and ponds.
- Stormwater management plan: Proposed stormwater plan approved and/or permitted by the City which provides for storm or surface water infiltration, water quality and flow control as provided within these standards.
- Streets or Roads: Any public highway, road, street, avenue, alley, way, easement, or right-of-way used or to be used for vehicle movement

Structures:	Those structures designated on the Standard Drawings as manholes, cleanouts, weirs, etc. Detailed drawings of structures or devices commonly used in City work and mentioned in these PS & FM Standards are included in Section IV, Standard Drawings
Subcontractor:	Any individual, firm, or corporation having contract with contractor or with any other subcontractor for performance of part of work
Substantial completion:	In the opinion of the City's authorized representative, construction is to the point of completion where all facilities are usable for their intended purpose: utilities (storm, sanitary, and water) are tested, approved and connected to public lines, all weather access is completed; roadway striping is completed; street lighting is approved and activated; all fire, life, and safety issues meet code
Substantial progress:	In the opinion of the City's authorized representative, construction work is proceeding at a rate close to that of the submitted construction timetable
Traffic coefficient:	Number used in determining structural section of street
Trunk Sewer:	A public sewer ten inches or larger which has been or is being constructed to accommodate more than one Main Sewer or lateral sewer
TSP:	City of Wilsonville's Transportation Systems Plan, latest edition
TVF&R:	Tualatin Valley Fire and Rescue
<u>UIC:</u>	<u>Underground Injection Control</u>
Uniform Plumbing Code:	The Uniform Plumbing Code adopted by the International Association of Plumbing and Mechanical Officials, current edition
USCGS:	United States Coast and Geodetic Survey

<u>Waters of the State:</u>	<u>Those waters defined in ORS Chapter 468B.005 or as amended which included lakes, bays, ponds, impounding reservoirs, springs, wells, rivers, streams, creeks, estuaries, marshes, inlets, canals, the Pacific Ocean within the territorial limits of the State of Oregon, and all other bodies of surface or underground waters, natural or artificial, inland or coastal, fresh or salt, public or private (except those private waters which do not combine or effect a junction with natural surface or underground waters), which are wholly or partially within or bordering the state or within its jurisdiction.</u>
Wet-season:	For the purpose of monitoring ground water elevations, the “wet-season” is defined as November 1 through April 30
WQV:	Water Quality Volume
WPWS:	Wilsonville Public Works Standards, current edition
Work:	Furnishing of all labor, materials, equipment, and other incidentals necessary or convenient to successfully complete project or part of project, and carrying out of all duties and obligations imposed by contract
Working Day:	Calendar day, any and every day shown on the calendar, excluding Saturdays, Sundays, and legal holidays.
Written notice:	Written communication delivered in person to individual or to member of firm or to officer of corporation for whom it is intended. If delivered or sent by mail to last business address known to one who gave notice, it shall be duty of each party to advise other parties to contract of any change in business address until contract is complete