



Residential Fixtures Worksheet

Please list the mechanical, electrical and plumbing fixtures you are planning to install for your new single family residential construction project.

Mechanical Fixture	Quantity
Heating and Cooling	
Air conditioner (site plan required)	
Furnace/burner including ductwork/vent/liner	1
Heat pump (site plan required)	1
Air handling unit	
Hydronic hot water system	
Residential boiler (radiator or hydronic)	1
Unit heaters (fuel type, not electric): in-wall, in-duct, suspended, etc.	
Vent for appliance other than furnace	
Gas replace	1
Flue vent for water heater or gas replace	1
Wood/pellet stove	
Chimney/liner/ue/vent	
Range hood/other kitchen equipment	1
Clothes dryer exhaust	
Single duct exhaust fans (bathrooms, toilet compartments, utility rooms)	5
Attic/crawl space fans	
Other: _____	
Gas Fuel Piping: indicate number of outlets	
Furnace	1
Wall/suspended/unit heater	
Water heater/boiler	1
Fireplace	1
Range	1
Barbecue	
Clothes dryer	
Other:	

Plumbing Fixture	Quantity
Bathrooms (full or partial)	3
Kitchens*	1
Laundry/utility sinks*	1
Bar sinks	
Water heaters/boilers*	1
Clothes washers*	1
Rain drain: # of feet around perimeter of house	240'
Sanitary sewer: # of feet from house to property line	20'
Storm sewer: # of feet from house to property line or disposal system	20'
Water line: # of feet from house to property line	20'
Fire sprinklers: # of sq. ft. of house to be sprinklered (include basement, exclude garage)	
Other:	
* The first kitchen, water heater, clothes washer and laundry/utility sink are included in the basic plumbing package	
Electrical Fixture	Quantity
Area of house in sq. ft. to be wired (including basement and attached garage)	3,170
Additional circuits for detached garage	
Limited energy electrical wiring (check yes if you are installing any of the following: telephone, cable TV, security systems, doorbell, computer network cables, thermostat, vacuum system)	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
Temporary electrical service	<input type="checkbox"/> yes <i>There is exist</i> <input type="checkbox"/> no
Other:	



CITY OF PORTLAND, OREGON - BUREAU OF DEVELOPMENT SERVICES

1900 SW Fourth Avenue, Suite 5000 • Portland, Oregon 97201 • www.portlandonline.com/bds



Application for New Single Family Residential Construction (One or Two Units)

What type of home(s) are you building?

- Single family residence
 Duplex
 2-unit rowhouse
 2-unit townhouse
 Floating home
 Manufactured home on its own lot
 Detached accessory dwelling unit (ADU)
 Other: 5/15 @ 3:15

If your project includes 3 or more structures built to the Oregon Residential Speciality Code or International Residential Code and are either located on a single tax lot or attached to each other, you will apply through the Batch Submittal and Review Process. Please contact Permitting Services at 503-823-7357 for more information.

Applicant Information

Company Name Westside Building & Remodeling LLC

Contact Person Vic Semchuk

Mailing Address 1919 SE 162nd AVE

City Portland State OR Zip Code 97233

Office Phone _____ Cell Phone 503-866-3439 FAX _____

email vicvs1@hotmail.com

Lot Owner Name Chris Pham

Mailing Address 7107 SE Carlton St

City Portland State OR Zip Code 97206

Contractor Name Vic Semchuk CCB# 187676

Project Information

Tax account number: <u>R 649884860</u> ^{R623551}		If you do not know the tax account number, call Multnomah County at 503-988-3326	
Cross streets: <u>SE 79th & Powell blvd</u>		Tax lot number:	
Plat name/number <u>Partition Plat</u>	Block/lot: <u>2008-122-Lot 1-2</u>	Qtr section #:	
Living area: <u>2496</u> sq.ft.	Basement: _____ sq.ft.	Garage/carport: <u>+674</u> sq.ft.	
Is there a detached garage/carport or other accessory structure being built?		<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
Is there an existing house on the lot that will be demolished?		<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
Land Use Review case numbers:			
Plan designer/architect name: <u>Mascord</u>		Plan # <u>2270</u>	
Has BDS permitted this design previously?		<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
Do you plan on building the same house plan again?		<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no <input type="checkbox"/> not sure
Is this a Master House Plan?		<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no MHP #

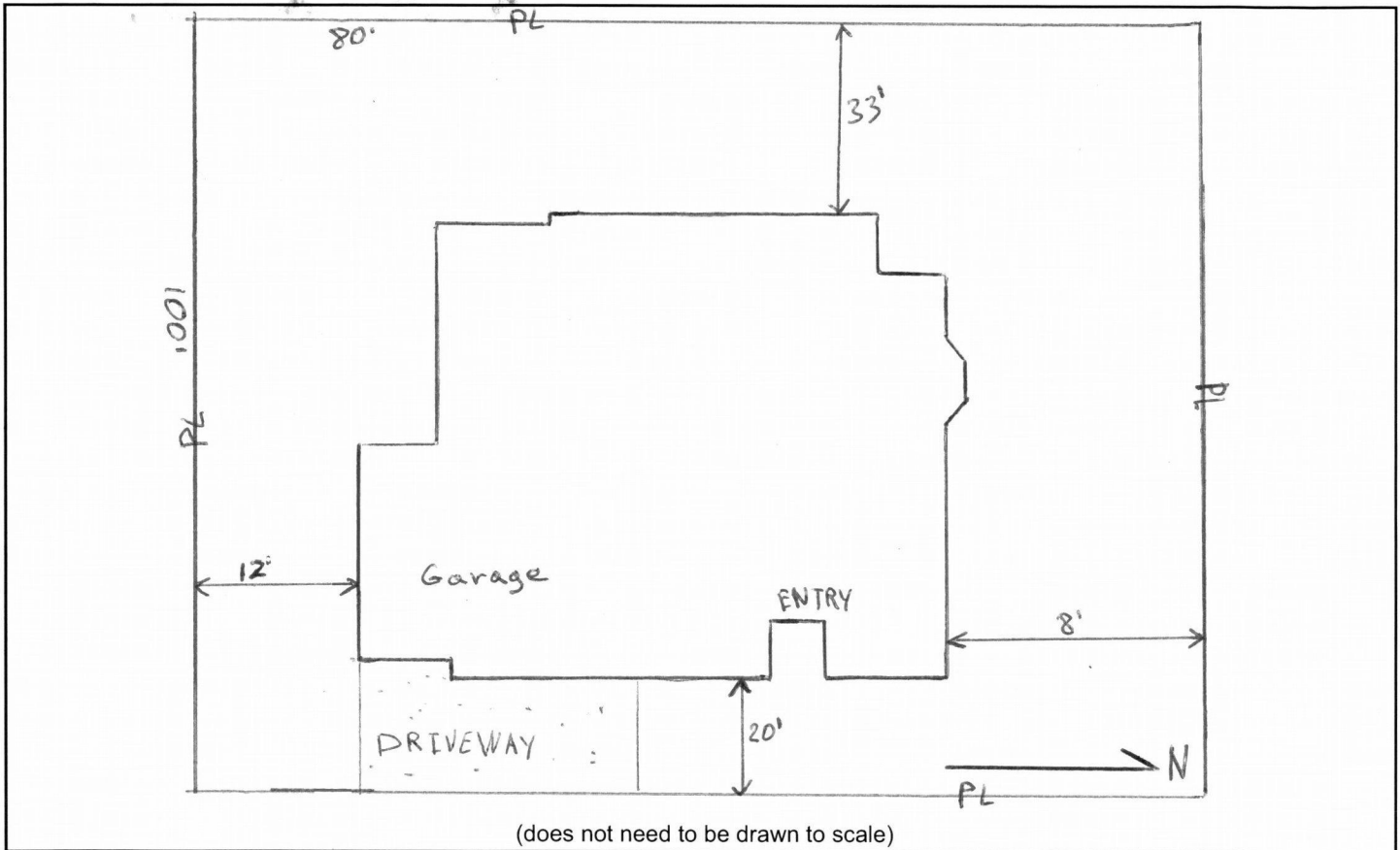
12-136459-R5

Application for New Single Family Residential Construction (One or Two Units)

In the box below, draw a diagram of your lot and all existing and proposed structures (including detached garages). This will be used to assign the street address for your project.

Indicate each of the following

- Lot dimensions
- Street locations and names for all streets adjoining your lot
- Front door entrance
- North arrow



Full legal description

If lot division is in progress, please provide the LUR or partition plat number and the parcel number

Blank area for the full legal description.



Residential Water Service Application

W-3

Phone 503-823-7368 • FAX 503-823-7743 • Email devrev@portlandoregon.gov Page 1 of 2

Why complete this form?

The Portland Water Bureau uses this form to determine size of meter and service branch, installation fees, and meter location. Complete details help expedite your request for water service permit and service installation. You must complete pages 1 and 2.

Who should use this form?

Applicants upgrading residential plumbing, or building an accessory dwelling unit or new home.

What do I do with the completed form?

Mail it to:
Portland Water Bureau
Development Services
1120 SW 5th Ave, Rm 600
Portland, OR 97204

Bring it to our office:
1900 SW 4th Avenue
1st floor DSC
Portland, OR 97201

Email it to:
devrev@portlandoregon.gov

Fax it to:
503-823-7743

Questions?

Portland Water Bureau
Development Services
Phone 503-823-7368
FAX 503-823-7743

Sewer connection questions:

Bureau of Environmental
Services Sewer Hotline
Phone 503-823-7761

Today's date <i>Apr - 25 - 12</i>	Building Permit Number
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Service Installation Information

Applicant Name <i>Vic Semchuk</i>	Daytime Telephone Number <i>503-866-3439</i>
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Site Address, City, State, ZIP Code	
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Multnomah County legal number <i>R 623551</i>	Legal description (lot & block)
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Dwelling type (check one)	<input checked="" type="checkbox"/> Single-family	<input type="checkbox"/> Rowhouse		
	<input type="checkbox"/> Duplex	<input type="checkbox"/> Townhouse	<input type="checkbox"/> Accessory Dwelling Unit (ADU)	
If a duplex, townhouse, or ADU, do you want individual meters?			<input type="checkbox"/> Yes	<input type="checkbox"/> No

Does the lot currently have water service?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
--	---	-----------------------------

Is the service to be installed in a paved street?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
---	------------------------------	--

Will the service branch cross a stormwater facility – either a landscaped swale or concrete planter?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
--	------------------------------	--

Will you install a fire sprinkler system?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If yes, what are the flow needs (gallons per minute - GPM)?	GPM _____	

Will the meter be installed in the driveway area? (Avoid driveway if possible.)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
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Is there a Public Works Improvement Project?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	# _____	

Complete the Water Meter Sizing Worksheet (Residential) on page 2.

Scheduling and Installing Water Services

Call Portland Water Bureau Scheduling Services at 503-823-1526 when you are ready to install the service.

- Provide the address, building permit number or IVR number, and a PDOT-approved Street Improvement Plan number, if known.
- Indicate whether or not the supply line on private property will be metallic or plastic.
- Service will be installed within 15 working days from date of scheduling.

See "Water at Your Service" for information about new and upgraded services, how to complete this form, determine water service size, fees, scheduling and installing water services.

How do I know my water meter is the right size?

You'll want a water meter and service branch that adequately serves your household water needs. The Portland Water Bureau uses American Water Works Association and Uniform Plumbing Code guidelines to establish meter size.

How to compute values

Column A describes fixture types.

Column B
Enter the number of fixtures in single family dwelling or housing unit 1.

Column C
If a duplex or ADU, enter the number of fixtures in the second housing unit. *ADU fixtures must be entered separately in this column.*

Column D
Add columns B and C. Enter the sum in this column.

Column E
Contains the fixture value. This value is based on the volume capacity of typical plumbing fixtures.

Column F
Multiply Column D (sum) times the values in Column E (D x E).

Enter the results for each fixture in Column F.

Add numbers in Column F to determine Grand Total Fixture Value (GTF Value).

Refer to the chart for meter size and costs.

*If your structure requires a fire sprinkler system, it may trigger an additional review for proper meter size.

Water Meter Sizing Worksheet (Residential)						
Include existing and planned plumbing fixtures						
A	B	C	D	E	F	
Fixture Type	Unit 1 Fixtures	If a Duplex or ADU, Unit 2 Fixtures	Add B+C	Fixture Value	Total Fixture Value	For Office Use
	Enter Qty	Enter Qty	Sum		D (sum) x E	
Bathroom or Bar Sink	5			1.0	5	
Bathtub or Tub/Shower	2			4.0	8	
Clothes Washer				4.0		
Dishwasher	1			1.5	1.5	
Hose Bib, first	1			2.5	2.5	
Hose Bibs, each additional	1			1.0	1	
Kitchen Sink	1			1.5	1.5	
Laundry or Service Sink	1			1.5	1.5	
Shower, Standalone	1			2.0	2	
Toilet	3			2.5	7	
Grand Total Fixture Value (GTF Value)					30	
Meter Size Required*					3/4"	

Applicant's Authorization

Name of Authorized Signer <i>CHRIS PHAM</i>	Building Permit Number
Signature <i>Chris Pham</i>	
Company Name	Date <i>07/25/2012</i>

GTF Value, Meter Sizes & Typical Water Service Permit Costs				
July 1, 2011 – June 30, 2012				
GTF Value	Meter Size	System Development Charge	Installation with Paving	Total
0 - 22	5/8"	\$1,732	\$4,895	\$6,627
22.5 - 37	3/4"	\$2,599		\$7,494
37.5 - 89	1"	\$4,331		\$9,226



New Single Family Residential Minimum Submittal Checklist and Sample Site Plan

Folder number:	Date:
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The information listed below is the minimum information required for a complete submittal package. If items are missing or incomplete, we will not accept your project for review. The completeness and complexity of the plans will determine how quickly they are reviewed.

Documents required for all submittals		staff use
1	Application Form Including applicant contact information, lot owner, contractor, and property identification details (Tax ID Number, R Number, and Legal Description)	<input checked="" type="checkbox"/> provided
2	This Submittal Checklist Completed with all attachments as needed clearly indicated	<input checked="" type="checkbox"/> provided
3	Fixtures Worksheet Completed worksheet outlining all electrical, mechanical, and plumbing fixtures	<input checked="" type="checkbox"/> provided
4	Residential Water Service Application Completed form detailing plumbing fixtures to be installed and authorization to create Water Bureau account	? <input checked="" type="checkbox"/> provided
5	Erosion Control Plan (4 copies) Provide an erosion control plan or, if eligible, complete and sign the Simple Site Erosion Control Requirement form.	<input checked="" type="checkbox"/> provided
6	Energy Efficiency Additional Measures Form Check the box or boxes next to the measure you have selected. Note that the building plans must also indicate the additional measure you have chosen.	<input checked="" type="checkbox"/> provided
7	Stormwater Management Simplified Approach (SIM) Form Completed form with stormwater facility, discharge point, and infiltration tests indicated. Please refer to BES Stormwater Management Manual at www.portlandonline.com/bds/2008swmm .	<input checked="" type="checkbox"/> provided
Documents that may be required for your submittal		
<i>(Text in italics describe the circumstances for which these items are typically required)</i>		
8	Fire Sprinklers (2 copies) <i>if the proposed structure is more than 3 stories OR if required as a condition of applicable Land Use Review.</i> Fire sprinklers must be reviewed by the BDS Plumbing Division. Fire sprinkler submittals must include hydraulic calculations, the manufacturer's cut sheets for the sprinkler heads, and a floor plan showing the location of all sprinkler equipment. Fire sprinklers may be submitted as a "deferred submittal" item for a \$100 charge. Please advise intake staff if you want to use this option.	<input checked="" type="checkbox"/> <input type="checkbox"/> n/a provided
9	Building Maintenance Agreement <i>for 2-unit rowhouse applications.</i> Include a completed and signed but unrecorded Building Maintenance Agreement – a sample template can be found on the BDS website at http://www.portlandonline.com/bds/	<input checked="" type="checkbox"/> <input type="checkbox"/> n/a provided
10	Geotechnical/soils report (2 copies) <i>for sites with slopes in excess of 20%, within soils hazard areas, or where a special foundation system relying on lateral soil bearing is employed.</i> Provide geotechnical or soils report from a geotechnical engineer licensed in Oregon.	<input checked="" type="checkbox"/> <input type="checkbox"/> n/a provided
11	Manufactured roof truss design details (2 sets) <i>for buildings using manufactured roof trusses.</i> Provide roof truss drawings and layout stamped by an engineer licensed in Oregon. <u>Roof trusses may be submitted as a deferred submittal item for a \$117. Please advise intake staff if you want to use this option.</u>	<input type="checkbox"/> <input checked="" type="checkbox"/> n/a provided

12	Manufactured floor truss design details (2 sets) for buildings using manufactured floor trusses. Provide floor truss drawings and layout stamped by an engineer licensed in Oregon. Manufactured floor system designs/calculations <u>must be provided at time of submittal</u> .	<input type="checkbox"/> n/a <input checked="" type="checkbox"/> provided
13	Engineer's calculations (1 set) for buildings using engineered lateral systems. Engineering calculations shall be prepared and stamped by an architect or engineer licensed in Oregon as applicable to the project under review. Lateral design details and connections must be incorporated into the plans or on a separate full size sheet attached to the plans with cross-references between plan location and details.	<input type="checkbox"/> n/a <input checked="" type="checkbox"/> provided
14	Beam calculations (1 set) for buildings with beams and/or multiple joists over ten feet in length and/or any beam/joist carrying a non-uniform load or for cantilever conditions. Calculations stamped by an engineer are required for beams supporting loads from more than one level or beams supporting overturning loads from discontinuous shear walls.	<input type="checkbox"/> n/a <input checked="" type="checkbox"/> provided
15	Residential Structural Plan Review Exemption Form if this option is selected by the owner and engineer. The exemption form must have original signatures from both the owner and the engineer. Faxes and photocopies are not acceptable. If the structural exemption form is signed, no formal structural review will be conducted on the submitted plans and the building owner is responsible for any field corrections that may be necessary as a result of the inspection process; however, this does not exempt a project from other required reviews (Life Safety, Planning, etc).	<input checked="" type="checkbox"/> n/a <input type="checkbox"/> provided
Plans required for all submittals		
16	Building Plans (4 copies) Plans must be legible, drawn to scale, and show conformance to the applicable local and state building codes. Each set should include the following:	<input checked="" type="checkbox"/> provided
16a	Foundation Plan Show dimensions, anchor bolts, any hold-down types and locations, connection details, vent size and location, location and size of crawl space access.	<input checked="" type="checkbox"/> provided
16b	Floor Plans Show all dimensions, room identification, window type and size, location of smoke detectors, water heater, furnace, ventilation fans, plumbing fixtures, balconies and decks, location and construction details for stairs and handrails.	<input checked="" type="checkbox"/> provided
16c	Cross Sections and Details Show sizes and spacing for all framing members, such as floor beams, headers, joists, sub-floor, wall construction, roof construction. More than one cross section may be required to clearly portray construction. Show details of all wall and roof sheathing, roofing, roof slope, ceiling height, siding material, footings and foundation, stairs, replace construction, thermal insulation.	<input checked="" type="checkbox"/> provided
16d	Building Elevation Views Provide exterior elevations for all sides showing materials, doors, windows, and both existing and proposed finished grades. Building elevations must match the finished grades shown on the site plan.	<input checked="" type="checkbox"/> provided
16e	Energy Code Compliance Identify the prescriptive energy path or provide energy calculations.	<input checked="" type="checkbox"/> provided
16f	Bracing/Lateral Load System Details and locations of lateral load resisting elements must be shown on the plans. The lateral system may be prescriptive per requirements of the Oregon Residential Specialty Code OR may be engineered to the requirements of the Oregon Residential Specialty Code. If engineered, all building drawings and calculations must be stamped by an engineer or architect licensed in Oregon. Drawings must be complete with all required engineered details included on full-size sheets attached to every set of plans.	<input checked="" type="checkbox"/> provided
16g	Floor/Roof Framing Plans Show member sizing, spacing, bearing locations. Show location of attic ventilation, size and location of attic access.	<input checked="" type="checkbox"/> provided
16h	Basement and Retaining Wall Cross-Sections and Details Show reinforcement sizes and locations, footing sizes, etc. Retaining walls greater than 4 ft or basement walls greater than 10 ft in height must be engineered with calculations stamped by an engineer. Retaining walls must be shown on the site plan.	<input checked="" type="checkbox"/> n/a <input type="checkbox"/> provided
16i	Deck Plans Deck framing plans, guardrail details, and deck connection details must be included in building plans.	<input checked="" type="checkbox"/> n/a <input type="checkbox"/> provided

17	Site/Plot plans (4 copies) Site plans must be drawn to scale. Minimum scale requirement is 1"=10'. Minimum paper size is 11"x17", with sufficient white space provided for reviewers' notes and stamps.	<input checked="" type="checkbox"/>	provided
Your site plan must include all of the following elements:			
17a	North arrow	<input checked="" type="checkbox"/>	
17b	Property and building corner elevations [see "J" on sample site plan]	<input checked="" type="checkbox"/>	
17c	If there is more than a 4 foot elevation differential, the site plan must show existing and proposed elevation contours at 2' intervals [see "L" and "M" on sample site plan]	<input checked="" type="checkbox"/>	
17d	Footprint of new & existing structures, including decks and retaining walls [see "K" on sample site plan]	<input checked="" type="checkbox"/>	
17e	Lot & building dimensions	<input checked="" type="checkbox"/>	
17f	Setbacks dimensions for the following - building(s) to property line, building to building, front door to property line, garage door to property line [see "H" and "I" on sample site plan]	<input checked="" type="checkbox"/>	
17g	Lot area	<input checked="" type="checkbox"/>	
17h	Building area (not including eaves)	<input checked="" type="checkbox"/>	
17i	Building coverage % (building area/lot area = % coverage)	<input checked="" type="checkbox"/>	
17j	Impervious area (include structures, paving, and roof overhangs)	<input checked="" type="checkbox"/>	
17k	Stormwater facility - location, type, size, and setbacks from buildings and property lines [see "O" on sample site plan]	<input checked="" type="checkbox"/>	
17l	Stormwater discharge point - location and type of discharge point (e.g. drywell, trench, storm or combo sewer, drainageway, ditch etc) - a separate discharge point is not needed if the primary stormwater facility is a drywell or soakage trench	<input checked="" type="checkbox"/>	
17m	Utilities - location, size, and type of pipe for water, sewer, storm, and gas [see "G" on sample site plan]	<input checked="" type="checkbox"/>	
17n	Septic system and/or well locations, types, and sizes (if applicable)	N/A <input type="checkbox"/>	
17o	Driveway location, size, and material	<input checked="" type="checkbox"/>	
17p	Street & right-of-way configuration, including curb, planting strip, sidewalk, and buffer [see "F" on sample site plan]	<input checked="" type="checkbox"/>	
17q	Location and dimensions of all easements on property [see "N" on sample site plan]	<input checked="" type="checkbox"/>	
17r	Landscaping - show the location, size, and species of proposed trees [see "C" on sample site plan] AND/OR root protection for existing trees to be preserved on lot [see "A" and "B" on sample site plan]	<input checked="" type="checkbox"/>	
17s	Street trees - show existing street trees to be removed or preserved [see "D" on sample site plan] AND/OR provide room for new street trees in public right-of-way [see "E" on sample site plan]	<input checked="" type="checkbox"/>	

Applicant name (print) Vic

Signature  Date Apr -29-12

A Sample Site Plan

For Successful New Single Family Residential (NSFR) Project Submittals

Instructions: This sample site plan provides an example of how to prepare a site plan. Your submittal must include a site plan that includes all of the existing and proposed conditions included on this sample site plan.

Your site plan must be drawn on 11"x17" or larger paper and drawn to a scale of 1" = 10'.

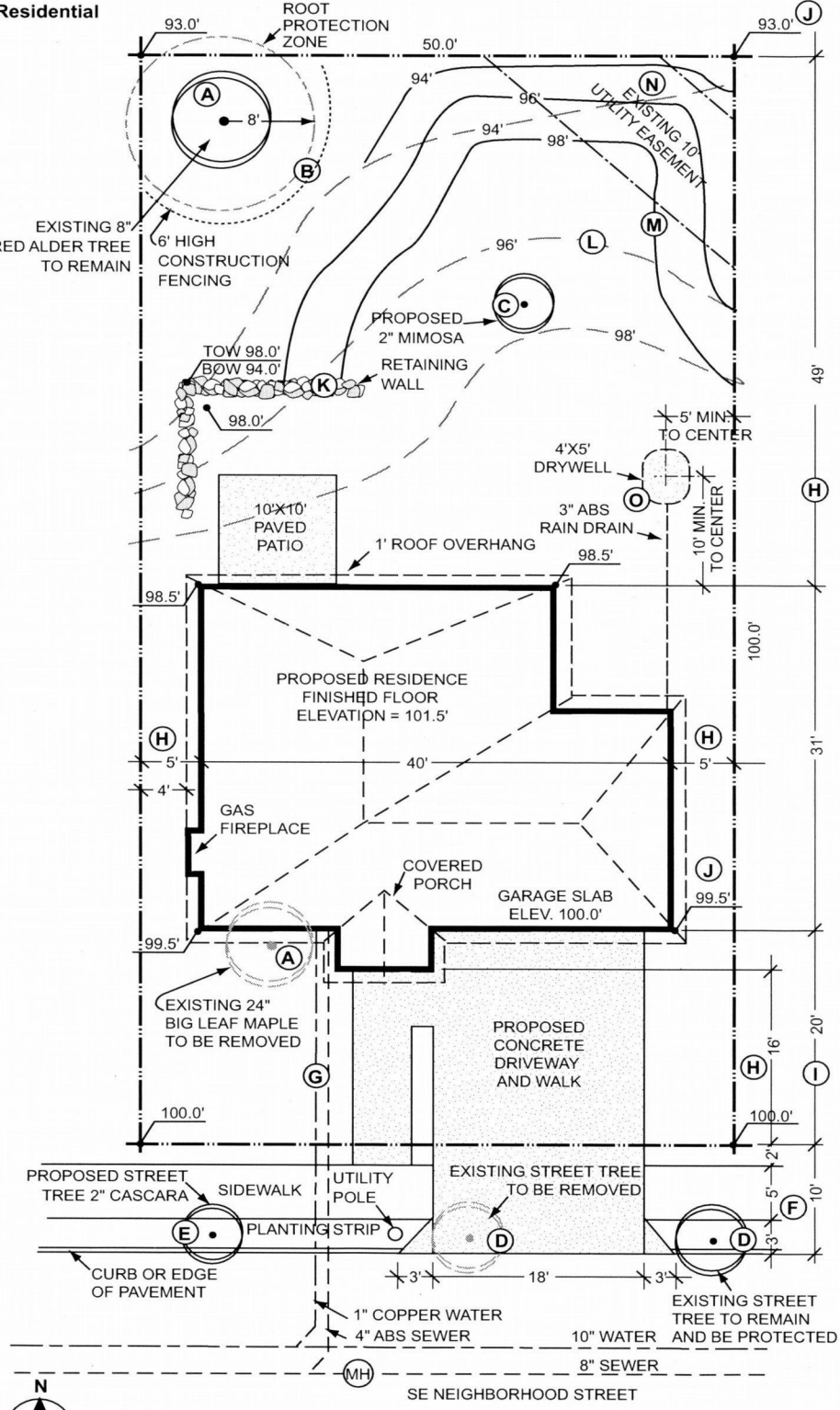
Please be aware that since every project is unique there may be some situations where you will be asked to provide additional information.

- (A) Existing on-site tree to be retained or removed
- (B) Root protection zone/fencing - typically 1 foot radius per inch of tree diameter (measured 4 1/2 feet above the ground)
- (C) Proposed on-site new tree with species and size
- (D) Existing street tree to be retained or removed
- (E) Proposed street tree
- (F) Right-of-way configuration (sidewalk, planting strip, curb and street name)
- (G) Existing and proposed locations of underground utilities
- (H) Distance from building to property lines
- (I) Distance from garage entry to property line
- (J) Finished grade elevations at property corners and building corners
- (K) Retaining wall with top of wall (TOW) elevation and bottom of wall (BOW) elevations
- (L) Two foot grade elevation contours, existing
- (M) Two foot grade elevation contours, proposed
- (N) Location and size of existing easements
- (O) Stormwater disposal type and size
- (P) White space for City stamps

LOT AREA	5,000 SQ FT
IMPERVIOUS AREA	
DRIVEWAY	360 SQ FT
PATIO	100 SQ FT
WALK	90 SQ FT
ROOF AREA (INCL. OVERHANG)	
1,334 SQ FT	
TOTAL	1,884 SQ FT
BUILDING COVERAGE	
BUILDING FOOTPRINT	1,196 SQ FT

LEGAL DESCRIPTION
 PARCEL 1,
 PARTITION PLAT 1992-X,
 R-12345X

PROJECT ADDRESS
 3030 SE NEIGHBORHOOD STREET
 PORTLAND, OR 97207



SITE PLAN

SCALE 1" = 20' (YOU MUST USE A SCALE OF 1" = 10' FOR YOUR SUBMITTED PLANS)





City of Portland, Oregon - Bureau of Development Services

1900 SW Fourth Avenue • Portland, Oregon 97201 • 503-823-7300 • www.portlandonline.com/bds



Simple Site Erosion Control Requirements Form

Project or Permit Number 12-136459-RS
 Project Address SE 79th St Portland OR
 Name of Responsible Party (print) Vic Semchuk
 Day Phone 503-866-3439 FAX _____ email vicvs1@hotmail.com

Erosion control inspections are required and it is your responsibility to request these inspections.

Erosion control measures are required on this site. Because of the size and slope, a drawn plan is not required. Erosion Control Measures and inspections are required prior to beginning foundation excavation. This form may only be used for simple sites:

1. Flat (less than 10% slope before development)
2. More than 50 feet from a wetland or waterbody
3. Outside an environmental or greenway zone
4. Less than 10,000 sq. ft. of ground disturbance
5. Not a land division of 10,000 sq. ft. or more

This is an agreement that the applicant and/or responsible parties will use erosion control during this project as required. The applicant and/or responsible party must sign this form to comply with Section 10.40.020 of the Code. Details for the measures outlined below are located in the City of Portland Erosion Control Manual, available at either the Development Services Center or on our Web site at www.portlandonline.com/bds

Minimum Erosion Control Requirements	Additional Requirements
1. Temporary sediment control (silt fences, bio-liter bags or ber rolls, storm drain inlet protection).	Prevent the transport of sediment from the site (Manual Sections 2-2 and 4-2) Call for #200 inspection. These items must be provided even with undisturbed vegetative buffers as allowed by manual.
2. Stabilize access points by installing a gravel construction entrance. Do not use rock or dirt ramps in the gutter, use a wood ramp if needed to get over curb.	Limit construction vehicle access, whenever possible, to one route. Stabilize access points. Provide street cleaning by sweeping or shoveling any sediment that may have been tracked out. Place sediment in a suitable disposal area where it will not erode again. (Manual Sections 2-2 and 4-1)
3. Stabilize all soils, including stockpiles that are temporarily exposed. Use one or more of the temporary soil stabilization Best Management Practices (BMP's): temporary grasses, mulch applications, erosion blankets, plastic sheeting, plus dust control measures.	Soil Stabilization (Manual Sections 2-2 and 4-4)
4. Maintain erosion controls identified in requirements 1 through 3 above according to specifications prescribed in manual.	Inspect and maintain required erosion and sediment controls to ensure continued performance of their intended function. (Manual Chapters 4 and 5)
5. Comply with the necessary development activity controls, including controls for fuel spill control, waste removal, concrete waste management or painting preparation.	During construction, prevent the introduction of pollutants in addition to sediment into stormwater. (Manual Section 5)
6. Use one or more of the following to permanently stabilize soils before final building inspection: Permanent vegetative cover, mulch applications or application of sod.	After construction but before project completion, permanently stabilize all exposed soils that have been disturbed during construction. (Manual Sections 4-4)
7. Prevent sediment from entering all storm drains, including ditches, which receive runoff from the disturbed area	Remove temporary drain inlet protection measures after final site clean-up. Call for #210 inspection.
8. Post signage on-site that identifies the City's Erosion Control complaint number	The sign will be provided upon approval of the pre-construction inspection. It must be maintained on-site until the final inspection.

You must request a preconstruction erosion control inspection prior to construction. Call 503-823-7000 and request a #200 inspection using your IVR number.

I agree to meet each requirement and use appropriate erosion control measures as outlined above to prevent erosion and sedimentation from leaving the site of project/permit number referenced. I understand that all inspections are still required, and that failure to install or maintain adequate measures may result in a re-inspection fees or additional fines. A permanent erosion control inspection #210 will be required prior to a final building inspection.

Signature of Responsible Party [Signature] Date 4-25-12
 Property Owner or Owner's Agent _____



2011 Energy Efficiency Additional Measures Requirements

New dwellings shall meet the envelope requirements of ORSC Table N1101.1(1) and a minimum of 50% of permanently installed lighting fixtures shall have high efficacy lamps. Additionally, new heated buildings and additions of more than 600 SF or more than 40% of the original heated floor area shall have at least two of the Additional Measures from ORSC Table N1101.1(2), one from Envelope Enhancement and one from Conservation (see below). All Energy Efficiency components must be reflected on the plans.

Envelope Enhancement Measure (Select One)

- 1 High efficiency walls & windows:**
- Exterior walls – R-19+5 (insulation sheathing)/SIPS, and one of the following options:
 - Windows – Max 15% of conditioned area, **or**
 - Windows – U-0.30
- 2 High efficiency envelope:**
- Exterior walls – R-21 Intermediate framing, **and**
 - Vaulted ceilings – R-30 Advanced framing, **and**
 - Flat ceilings – R-49, **and**
 - Framed floors – R-38, **and**
 - Windows – U-0.30, **and**
 - Doors – All doors U-0.20, **or**
 - Additional 15% of permanently installed lighting fixtures as high-efficacy lamps or Conservation Measure D and E
- 3 High efficiency ceiling, windows and duct sealing:**
(Cannot be used with Conservation Measure E)
- Vaulted ceilings – R-30 Advanced framing (not more than 50% of the heated floor area), **and**
 - Flat ceilings – R-49, **and**
 - Windows – U-0.30, **and**
 - Performance tested duct systems (ODOE documentation to be submitted to building inspector prior to final inspection)
- 4 High efficiency thermal envelope UA:**
- Proposed UA is 15% lower than the Code UA when calculated in Table N1104.1(1)
- 5 Building tightness testing, ventilation and duct sealing:**
- Mechanical system providing whole-building ventilation per Table N1101.1(3), or ASHRAE 62.2, **and**
 - Performance tested duct systems (ODOE documentation to be submitted to building inspector prior to final inspection), **and**
 - Blower door test report submitted to building inspector prior to final inspection showing ≤ 6.0 air changes per hour, or ≤ 5.0 air changes per hour when used with Conservation Measure E
- 6 Ducted HVAC systems within conditioned space:**
(Cannot be used with Conservation Measure B or C)
- All ducts and air handler are contained within heated building envelope

(Continued on back)

Conservation Measure (Select One)

- A High efficiency HVAC system:**
 - Gas-fired furnace or boiler with 90% minimum AFUE (sealed combustion air ducted directly from outdoors if furnace or boiler is within conditioned space), **or**
 - Air-source heat pump 8.5 minimum HSPF, **or**
 - Closed-loop ground source heat pump with 3.0 minimum COP
- B Ducted HVAC systems within conditioned space:**
 - All ducts and air handlers are within heated building envelope
- C Ductless heat pump:**
 - Replace electric resistance heating in at least the primary zone with at least one ductless mini-split heat pump with 8.5 minimum HSPF
- D High efficiency water heating and lighting:**
 - Natural gas/propane, on-demand water heating with 0.80 minimum EF, **and**
 - Minimum 75% of permanently installed lighting fixtures as CFL or linear fluorescent or minimum 40 lumens per watt
- E Energy management device & duct sealing:**
 - Whole building energy management device capable of monitoring or controlling energy consumption, **and**
 - Performance tested duct systems (ODOE documentation to be submitted to building inspector prior to final inspection), **and**
 - 75% of permanently installed lighting fixtures as high-efficacy lamps
- F Solar voltaic:**
 - Minimum 1 watt per square foot of conditioned floor space with Total Solar Resource Fraction \leq 75%
- G Solar water heating:**
 - 40 square feet minimum gross collector area with Total Solar Resource Fraction \leq 75%



Radon Control Methods 2011 Oregon Residential Specialty Code, Appendix F

New habitable residential structures shall have radon gas mitigation. Indicate the method(s) of radon gas mitigation to be installed in the structure:

Crawl space construction:

- Mechanically ventilated (detailed on plans); or
- Passive sub-membrane depressurization; or
- Permanently open foundation ventilation per R408.1 and a blower-door building tightness test.
Test results to be provided to the building inspector prior to final inspection approval.

Slab-on-grade or basement construction:

- Passive depressurization system, with 4" thick layer of gas-permeable aggregate below slab.