Nick Welch/Margaret Glowacki DPD Low Impact Development Code Changes ORD June 23, 2015 Version #12

	Version #12
1	CITY OF SEATTLE
2	ORDINANCE
3	COUNCIL BILL
4 5 6 7 8 9 10 11 12 13	AN ORDINANCE relating to Low Impact Development, amending Sections 22.170.190, 23.41.018, 23.43.008, 23.43.010, 23.43.012, 23.44.014, 23.44.022, 23.44.024, 23.44.034, 23.45.516, 23.45.518, 23.45.522, 23.45.536, 23.47A.009, 23.47A.014, 23.47A.016, 23.47A.024, 23.49.019, 23.49.036, 23.49.041, 23.49.045, 23.50.034, 23.57.008, 23.75.140, and 23.84A.028 of the Seattle Municipal Code to make Low Impact Development (LID), a stormwater and land use management strategy that strives to mimic natural hydrologic processes, the preferred approach to site development by minimizing impervious surfaces, native vegetation loss, and stormwater runoff, and to achieve this through LID Best Management Practices (BMPs) including but not limited to bioretention, rain gardens, permeable pavements, and soil quality. WHEREAS, the City of Seattle has set a goal of managing 700 million gallons of stormwater runoff using green infrastructure, as stated in Council Resolution 31459 and Executive
16	Order 2013-01; and
17	WHEREAS, the City periodically updates codes to achieve greater consistency with citywide
18	policy goals; and
19	WHEREAS, a requirement of the National Pollutant Discharge Elimination System (NPDES)
20	Municipal Stormwater Permit under which the City has coverage directs the City to
21	integrate low impact development into land development codes, standards, and rules; and
22	WHEREAS, projected population growth and more frequent and severe winter storms in the
23	future require the City to prepare for higher demand on Seattle's drainage and wastewater
24	infrastructure; and
25	WHEREAS, the City of Seattle is committed to protecting and restoring receiving water bodies;
26	NOW, THEREFORE,
27	BE IT ORDAINED BY THE CITY OF SEATTLE AS FOLLOWS:

	Nick Welch/Margaret Glowacki DPD Low Impact Development Code Changes ORD June 23, 2015 Version #12
1	Section 1. Section 22.170.190 of the Seattle Municipal Code, last amended by Ordinance
2	123107, is amended as follows:
3	22.170.190 General $((\mathbf{R}))$ requirements
4	***
5	G. Surface ((P))preparation. ((The ground surface))Areas that will receive fill shall be
6	prepared ((to receive fill-))by removing vegetation, non-approved materials, topsoil, and other
7	unsuitable materials, including, but not limited to, mud, peat, and other materials with
8	insufficient strength to satisfy the design, as determined by the Director.
9	H. Native topsoil shall be retained in an undisturbed state to the maximum extent
10	practicable. Topsoil from areas that will be graded shall be reapplied to the site, where feasible.
11	Topsoil that will be reused on-site shall be stockpiled on-site in a designated, controlled area, not
12	adjacent to critical areas.
13	I. Soil quality. Areas that have been cleared, graded, or compacted and that have not been
14	covered by impervious surface, incorporated into a drainage facility, or engineered as structural
15	fill or slope shall be amended with organic matter prior to final inspection.
16	$((H))\underline{J}$. Fills. Fills shall be located so that the base edge of the fill is located more than 12
17	feet horizontally from the top edge of an existing slope or a planned cut slope. A sloping fill shall
18	not be placed on top of slopes that are steeper than $1.5((-1/2))$ horizontal to 1 vertical.
19	$((I))\underline{K}$. Requirements $((F))\underline{f}$ or $((F))\underline{f}$ ill $((M))\underline{m}$ aterial. Materials used in fills shall comply
20	with the following requirements:
21	1. Material used in fills shall be appropriate to the site and the intended use of that
22	portion of the site.

Nick Welch/Margaret Glowacki
DPD Low Impact Development Code Changes ORD
June 23, 2015
Version #12

2. Any rock or other similar irreducible material used in a fill shall have no 1 2 dimension greater than 12 inches and shall compose not more than 20((\%)) percent of the total 3 fill material. 4 3. Topsoil shall not be used as a fill material except that the upper 12 inches of a 5 fill site may consist of topsoil. 6 4. No frozen or thawing material shall be used as fill. 7 5. No solid waste, hazardous waste, or hazardous material may be used as fill. 8 6. No organic material shall be used as fill unless approved by the Director. 9 7. As necessary, the Director may specify other characteristics of the fill material 10 used, the degree of compaction, moisture content, and the method of placement appropriate to 11 the site and the intended use of that portion of the site and the requirements for water retention, 12 drainage control and erosion control 13 $((J))\underline{L}$. Terraces. The Director may require steps and terraces sufficient to control surface 14 drainage and deposit of debris. Suitable access to the terraces shall be provided to permit proper 15 maintenance. 16 ((K))M. Subsurface ((D))drainage. Cut and fill slopes shall be provided with subsurface 17 drainage when needed to maintain slope stability. 18 ((L))N. Access. When an adjoining site relies on the site to be graded for pedestrian or 19 vehicular access, the Director may require reasonable access to be maintained to the adjoining 20 site. 21 $((\mathbf{M}))$ O. Stockpiling of $((\mathbf{E}))$ earth $((\mathbf{M}))$ materials $((\mathbf{E}))$ 22 1. General. Stockpiling of any kind shall not adversely affect the lateral support or 23 significantly increase the stresses in or pressure upon any adjacent or contiguous property.

	Nick Welch/Margaret Glowacki DPD Low Impact Development Code Changes ORD June 23, 2015 Version #12
1	Stockpiling shall comply with the applicable erosion control requirements for temporarily
2	exposed soils set forth in ((SMC-))Section 22.805.010 and rules promulgated under that
3	((s))Section 22.805.010.
4	2. Temporary $((S))$ stockpiling $((D))$ during $((C))$ construction or $((G))$ grading.
5	Temporary stockpiles of earth materials during construction or grading shall not exceed 10 feet
6	in height. Stockpiles shall have slopes no steeper than one horizontal to one vertical.
7	3. Stockpiling and $((H))\underline{h}$ and $((E))\underline{e}$ arth $((M))\underline{m}$ atterials in $((P))\underline{p}$ rocessing.
8	Earth materials consumed or produced in a process may be stockpiled and handled on a site if the
9	process is the principal use of the site.
10	4. Removal. Temporary stockpiles shall be removed prior to final inspection for a
11	grading permit where no building permit is issued on the same site. Where grading is approved
12	as a component of a building permit, temporary stockpiles shall be removed prior to issuance of
13	a Final Certificate of Occupancy or approval for occupancy after a final inspection.
14	$((N))\underline{P}$. Exploratory $((E))\underline{e}$ xcavations. Exploratory excavations shall be performed under
15	the direction of a licensed civil engineer or geotechnical engineer. No stockpiles of materials
16	shall remain after completion of the exploratory activities. The grading shall comply with other
17	requirements that may be established by the Director.
18	$((\Theta))\underline{Q}$. Excavations $((N))\underline{n}$ ear $((F))\underline{f}$ ootings or $((F))\underline{f}$ oundations. Excavations for any
19	purpose shall not remove lateral support from any footing or foundation without first

underpinning or protecting the footing or foundation against settlement or lateral translation.

Section 2. Section 23.41.018 of the Seattle Municipal Code, last amended by Ordinance 123564, is amended as follows:

20

21

22

23

Nick Welch/Margaret Glowacki DPD Low Impact Development Code Changes ORD June 23, 2015 Version #12 23.41.018 Streamlined administrative design review (SDR) process 1 *** 2 3 D. SDR decision((-)) *** 4 3. The Director may allow the adjustments listed in subsection 23.41.018.D.4, if 5 the adjustments are consistent with the SDR design guidance report and the adjustments would 6 7 result in a development that: 8 a. ((b))Better meets the intent of the adopted design guidelines and/or 9 b. ((p))Provides a better response to environmental and/or site conditions, 10 including but not limited to topography, the location of trees, stormwater management, or 11 adjacent uses and structures. 12 4. If the criteria listed in subsection 23.41.018.D.3 are met, the Director may 13 allow adjustments to the following development standards to the extent listed for each standard: 14 a. Setbacks and separation requirements may be reduced by a maximum of 15 50 percent; 16 b. Amenity areas may be reduced by a maximum of 10 percent; 17 c. Landscaping and screening may be reduced by a maximum of 25 18 percent; 19 d. Structure width, structure depth, and facade length may be increased by 20 a maximum of 10 percent; and 21 e. Screening of parking may be reduced by a maximum of 25 percent. *** 22

	Nick Welch/Margaret Glowacki DPD Low Impact Development Code Changes ORD June 23, 2015 Version #12
1	Section 3. Section 23.44.008 of the Seattle Municipal Code, last amended by Ordinance
2	124378, is amended as follows:
3	23.43.008 Development standards for one dwelling unit per lot
4	***
5	D. Yards and setbacks
6	1. Front and rear yards((-))
7	***
8	3. Exceptions from standard yard and setback requirements. The following parts
9	of structures may project into a required yard or setback, provided that the applicable restrictions
10	in subsections 23.43.008.D.3 and 23.43.008.D.4 are met:
11	***
12	d. Cisterns and above-grade bioretention facilities are permitted without
13	yard or setback restrictions if:
14	1) Each cistern and bioretention facility is less than 4.5 feet tall
15	excluding piping;
16	2) Each cistern and bioretention facility is less than 4 feet wide;
17	<u>and</u>
18	3) The system's total storage capacity is no greater than 600
19	gallons.
20	e. Cisterns and above-grade bioretention facilities larger than what is
21	allowed in subsection 23.43.008.D.3.d are permitted within a required yard or setback if:
22	1) It does not exceed 10 percent coverage in any yard or setback
23	area;
	Last revised April 30, 2015

	Nick Welch/Margaret Glowacki DPD Low Impact Development Code Changes ORD June 23, 2015 Version #12
1	2) It is not located closer than 2.5 feet from a side lot line; and
2	3) It projects no more than 5 feet into the front or rear setback area.
3	***
4	Section 4. Section 23.44.010 of the Seattle Municipal Code, last amended by Ordinance
5	124378, is amended as follows:
6	23.43.010 Tandem housing
7	***
8	C. Yards and setbacks
9	***
10	7. Exceptions from standard yard, setback, and interior separation requirements.
11	For all developments, only structures that comply with the following may project into a required
12	yard, setback, or interior separation:
13	***
14	d. Cisterns and above-grade bioretention facilities are permitted without
15	yard, setback, or interior separation restrictions if:
16	1) Each cistern and bioretention facility is less than 4.5 feet tall
17	excluding piping;
18	2) Each cistern and bioretention facility is less than 4 feet wide;
19	<u>and</u>
20	3) The system's total storage capacity is no greater than 600
21	gallons.
22	e. Cisterns and above-grade bioretention facilities larger than what is
23	allowed in subsection 23.43.010.C.7.d are permitted within a required yard or setback if:

	Nick Welch/Margaret Glowacki DPD Low Impact Development Code Changes ORD June 23, 2015 Version #12
1	1) It does not exceed 10 percent coverage in any yard, setback, or
2	interior separation area;
3	2) It is not located closer than 2.5 feet from a side lot line; and
4	3) It projects no more than 5 feet into the front or rear setback area.
5	***
6	Section 5. Section 23.44.012 of the Seattle Municipal Code, last amended by Ordinance
7	124378, is amended as follows:
8	23.43.012 Cottage Housing Developments (CHDs)
9	***
10	E. Yards and setbacks
11	***
12	5. Exceptions from standard yard, setback, and interior separation requirements.
13	For all developments, only structures that comply with the following may project into a required
14	yard, setback, or interior separation:
15	***
16	d. Cisterns and above-grade bioretention facilities are permitted without
17	yard, setback, or interior separation restrictions if:
18	1) Each cistern and bioretention facility is less than 4.5 feet tall
19	excluding piping;
20	2) Each cistern and bioretention facility is less than 4 feet wide;
21	<u>and</u>
22	3) The system's total storage capacity is no greater than 600
23	gallons.
	Last revised April 30, 2015 8

	DPD Low Impact Development Code Changes ORD June 23, 2015 Version #12
1	e. Cisterns and above-grade bioretention facilities larger than what is
2	allowed in subsection 23.43.012.E.5.d are permitted within a required yard or setback if:
3	1) It does not exceed 10 percent coverage in any yard, setback, or
4	interior separation area;
5	2) It is not located closer than 2.5 feet from a side lot line; and
6	3) It projects no more than 5 feet into the front or rear setback area.
7	***
8	Section 6. Section 23.44.014 of the Seattle Municipal Code, last amended by Ordinance
9	124378, is amended as follows:
10	23.44.014 Yards
11	Yards are required for every lot in a single-family zone. A yard that is larger than the
12	minimum size may be provided.
13	***
14	D. Exceptions from standard yard requirements. No structure shall be placed in a required
15	yard except pursuant to the following:
16	***
17	17. ((Cisterns))Stormwater management. ((Rain barrels and cisterns may extend
18	into a required yard according to the following:-))
19	a. ((Stand alone cisterns))Cisterns and above-grade bioretention facilities
20	((or connected systems shall be allowed))are permitted in required ((without setback))yards
21	((restrictions))if: ((each cistern is less than 4.5 feet tall excluding piping, less than 4 feet wide,
22	and the system's total storage capacity is no greater than 600 gallons.))

DPD Low Impact Development Code Changes ORD June 23, 2015 Version #12
1) Each cistern and bioretention facility is less than 4.5 feet tall
excluding piping;
2) Each cistern and bioretention facility is less than 4 feet wide;
<u>and</u>
3) The system's total storage capacity is no greater than 600
gallons.
b. <u>Cisterns and above-grade bioretention facilities</u> ((L)) <u>l</u> arger ((cisterns or
systems))than what is allowed in subsection 23.44.014.D.17.a are ((may be))permitted in
required yards provided that they do not exceed ((ten))10 percent coverage in any required
yard((5)) and ((they-))are not located closer than 2.5 feet from a side lot line, 20 feet from a rear
lot line or centerline of an alley abutting the rear lot line, or 15 feet from the front lot line.

Section 7. Section 23.44.022 of the Seattle Municipal Code, last amended by Ordinance
124475, is amended as follows:
23.44.022 Institutions

I. Landscaping((. Landscaping shall be required to integrate the institution with adjacent
areas, reduce the potential for erosion or extensive stormwater runoff, reduce the coverage of the
site by impervious surfaces, screen parking from adjacent residentially zoned lots or streets or to
reduce the appearance of bulk of the institution.
Landscaping plant materials shall be species compatible with surrounding flora. Existing
plant material may be required to be retained. Maintenance of landscaped areas shall be the
continuing responsibility of the owner.))

Nick Welch/Margaret Glowacki
DPD Low Impact Development Code Changes ORD
June 23, 2015
Version #12

	Version #12
1	1. The Director shall promulgate rules to foster the long-term health, viability, and
2	coverage of plantings. The rules shall address, at a minimum, the type and size of plants, spacing
3	of plants, use of drought-tolerant plants, and access to light and air for plants. All landscaping
4	provided to meet the requirements of this Section 23.44.022 shall comply with these rules.
5	2. Landscaping that achieves a Green Factor score of 0.3 or greater, pursuant to
6	Section 23.86.019, is required for any lot with:
7	a. development containing more than four new dwelling units; or
8	b. development, either a new structure or an addition to an existing
9	structure, containing more than 4,000 new square feet of non-residential uses; or
10	c. any parking lot containing more than 20 new parking spaces for
11	automobiles.
12	***
13	Section 8. Section 23.44.024 of the Seattle Municipal Code, last amended by Ordinance
14	122050, is amended as follows:
15	23.44.024 Clustered housing planned developments((-))
16	Clustered housing planned developments (CHPDs) may be permitted as an administrative
17	conditional use in single-family zones. A CHPD is intended to enhance and preserve natural
18	features, encourage the construction of affordable housing, allow for development and design
19	flexibility, and protect and prevent harm in environmentally critical areas. CHPDs shall be
20	subject to the following provisions:
21	A. Site $((R))$ requirements $((R))$
22	1. The minimum size of a CHPD <u>is((shall be-))two (((2)-))acres((-)).</u>
23	excluding submerged land and any land ((Land which is))designated an environmentally critical

Nick Welch/Margaret Glowacki
DPD Low Impact Development Code Changes ORD
June 23, 2015
Version #12

1 <u>area or buffer</u> due to the presence of a riparian corridor, wetland, wetland buffer, <u>priority habitat</u>

- 2 | area, steep slope, or steep slope buffer according to Chapter 25.09, Regulations for
- 3 Environmentally Critical Areas((, and submerged land shall not be used to meet minimum size
- 4 requirements)).
- 5 2. Where portions of a site are designated <u>an</u> environmentally critical <u>area</u>
- 6 or buffer due to the presence of a riparian corridor, wetland, wetland buffer, priority habitat area,
- 7 | steep slope, or steep slope buffer according to Chapter 25.09, Regulations for Environmentally
- 8 Critical Areas, the conditional use ((elustered development)) provisions under Section 25.09.260
- 9 | shall apply, superseding the standards of this ((section))Section 23.44.024.
- 3. The Director may exclude land from a CHPD if it is separated from the
- 11 site by ((topographical conditions))topography, if it has a poor functional relationship with the
- 12 | site, or if ((inclusion of))including the land would have a negative ((negatively))impact on
- adjacent single-family zoned lots.

14

- B. Type of ((D))dwelling ((U))units ((P))permitted. Only single-family dwelling
- units shall be permitted in a CHPD.
- 16 C. Number of $((\frac{\mathbf{U}}{\mathbf{U}}))$ dwelling $((\frac{\mathbf{U}}{\mathbf{U}}))$ units $((\frac{\mathbf{P}}{\mathbf{U}}))$ permitted $((\frac{\mathbf{U}}{\mathbf{U}}))$
- 1. The number of dwelling units permitted in a CHPD shall be calculated
- 18 by dividing the CHPD land area by the minimum lot ((size)) area required in((-permitted by))
- 19 | subsection ((A of Section 23.44.010))23.44.010.A ((in))for the single-family zone where((in
- 20 | which-))the CHPD is located. Land ((which))that is designated an environmentally critical area
- or buffer due to the presence of a riparian corridor, wetland, wetland buffer, priority habitat area,

12

- steep slope, or steep slope buffer and submerged land shall be excluded from the land used to
- 23 | calculate ((density))the permitted number of dwelling units in a CHPD. For CHPDs ((which

	Nick Welch/Margaret Glowacki DPD Low Impact Development Code Changes ORD June 23, 2015 Version #12
1	$\frac{\text{include}}{\text{one}}$))located in more than one (((1)))zone, the number of dwelling units shall be calculated
2	based on the proportion of land area in each zone.
3	2. Where portions of a site are designated <u>an</u> environmentally critical <u>area</u>
4	or buffer due to the presence of a riparian corridor, wetland, wetland buffer, priority habitat area,
5	steep slope, or steep slope buffer according to Chapter 25.09, Regulations for Environmentally
6	Critical Areas, the <u>administrative</u> conditional use provisions ((for regaining development credit
7	and clustering))under Section 25.09.260 shall apply.
8	3. One $(((1))$)additional detached single-family structure may be
9	permitted if the development includes one or more of the following((recreational, meeting and/or
10	day care)) facilities open to the surrounding community((-)):
11	a. Usable open space and other recreational facilities approved by
12	the Director;
13	b. Community center; and
14	c. Child care facility.
15	D. Subdivision. A CHPD may be subdivided into lots of less than the minimum
16	area((size)) required by subsection ((A of Section 23.44.010))23.44.010.A.
17	E. Yards. Yards shall be required for structures within a CHPD. For the purposes
18	of this subsection 23.44.024.E, setbacks shall be considered yards, and the provisions relating to
19	accessory structures in required yards of the applicable single-family zone shall apply.
20	1. Structures shall be set back a minimum distance of ((twenty ())20(()))
21	feet from the street ((property))lot line of a CHPD.
22	2. No dwelling unit in a CHPD shall be closer than ((five ())5(())) feet to a
22	
23	side lot line of an abutting single-family zoned lot.

	Nick Welch/Margaret Glowacki DPD Low Impact Development Code Changes ORD June 23, 2015 Version #12
1	3. No dwelling unit in a CHPD shall be closer than ((twenty-five ())25(()))
2	feet to a rear lot line of an abutting single-family zoned lot.
3	4. No dwelling unit in a CHPD shall be closer than ((five ())5(())) feet to
4	any lot line of an abutting non-single-family zoned lot.
5	5. There shall be a minimum distance of $((ten + (ten + ($
6	principal structures ((which are-))within ((one hundred ())100(())) feet of the ((property))lot line
7	of a CHPD.
8	6. To provide a sense of privacy((;)) and to mitigate the effects of shadows
9	between structures <u>located((which are))</u> more than ((one hundred ())100(())) feet from the
10	((property))lot line of a CHPD, the required ((yards))separation between structures in the CHPD
11	shall vary depending on the design of the facing facades as follows:
12	a. Walls of interior facades that do not have a principal entrance
13	shall be $((not less than))$ at least $((ten ())10(()))$ feet apart at any point.
14	b. A principal entrance to a structure shall be at least ((fifteen
15	(1))15((1))) feet from the nearest interior facade that does not have a((which contains no)) principal
16	entrance.
17	c. A principal entrance to a structure shall be at least ((twenty
18	(+))20(($(+)$)) feet from the nearest interior facade (($(+)$) with a principal entrance.
19	7. The Director may increase the minimum required yards or require
20	alternate spacing or placement of structures in order to:
21	<u>a.</u> preserve or enhance topographical conditions((,));
22	b. enhance the relationship with adjacent uses and the layout of the
23	project;

	Nick Welch/Margaret Glowacki DPD Low Impact Development Code Changes ORD June 23, 2015 Version #12
1	c. promote green stormwater infrastructure and other measures to
2	reduce stormwater runoff; and/or
3	d. ((and to))maintain a compatible scale and design with the
4	surrounding community.
5	F. Landscaping. The Director may require retention of existing mature
6	landscaping or provision of new landscaping that is compatible with surrounding flora and favors
7	native species to achieve one or more of the following:((along some or all exterior lot lines of a
8	CHPD to minimize the effect of the CHPD on adjacent uses. The Director may require the
9	retention of existing mature landscaping. In addition, landscaping may be required to reduce the
10	potential for erosion or excessive stormwater runoff, reduce the site coverage by impervious
11	surfaces, and screen the parking from the view of adjacent residentially zoned lots and the street.
12	Plant species shall be compatible with surrounding flora. Maintenance of the
13	landscaping shall be the continuing responsibility of the owner.))
14	1. Minimize the impacts of the CHPD on adjacent land uses along some or
15	all exterior lot lines;
16	2. Reduce stormwater runoff, potential erosion, and impervious surfaces;
17	and
18	3. Screen parking from the view of adjacent residentially zoned lots and
19	the street.
20	G. Maintenance of required landscaping and open space. Maintenance of required
21	landscaping and open space shall be the continuing responsibility of the owner.
22	Section 9. Section 23.44.034 of the Seattle Municipal Code, last amended by Ordinance
23	123495, is amended as follows:

1 Part 2 Council Conditional Uses

23.44.034 Planned residential development (PRD)

Planned residential developments (PRDs) may be permitted in single-family zones as a council conditional use. A PRD is intended to enhance and preserve natural features, encourage the construction of affordable housing, allow for development and design flexibility, promote green stormwater infrastructure, and protect and prevent harm in environmentally critical areas. PRDs shall be subject to the following provisions:

A. Site ((R))requirements $((\cdot))$

- 1. The minimum size of a PRD <u>is((shall be))</u> two (((2)))acres((-)), excluding submerged land and any land((Land which is)) designated environmentally critical due to the presence of a riparian corridor, wetland, wetland buffer, steep slope, or steep slope <u>buffer</u> according to ((SMC-))Chapter 25.09, Regulations for Environmentally Critical Areas((, and submerged land shall not be used to meet minimum size requirements)).
- 2. The area of the site devoted to single-family uses at the time of application, calculated by multiplying the number of such uses by the minimum lot area for the zone, shall not exceed ((twenty + (t))20((t))) percent of the area of the entire site.
- 3. Land ((which))that is designated environmentally critical due to the presence of a riparian corridor, wetland, wetland buffer, steep slope, or steep slope buffer according to ((SMC-))Chapter 25.09, Regulations for Environmentally Critical Areas, and submerged land shall be excluded from the land used to calculate permitted density in a PRD.
- 4. Land may be excluded from a PRD by the Director if it is separated from the site by ((topographical conditions))topography, if it has a poor functional relationship

Nick Welch/Margaret Glowacki
DPD Low Impact Development Code Changes ORD
June 23, 2015
Version #12

with the site, or if ((inclusion of))including the land would have a negative ((negatively))impact on adjacent single-family zoned lots.

5. Where portions of a site are designated environmentally critical due to the presence of a riparian corridor, wetland, wetland buffer, steep slope, or steep slope buffer according to ((SMC-))Chapter 25.09, Regulations for Environmentally Critical Areas, the conditional use provisions under Section 25.09.260 shall apply, superseding the standards of this ((section))Section 23.44.034.

B. Type of housing permitted((-))

- 1. Only single-family dwelling units <u>are((shall be))</u> permitted within 100 feet of a ((<u>PRD's))PRD</u> lot line ((<u>which))that</u> abuts or is directly across the street from a single-family zoned lot, except as provided in this subsection 23.44.034.B.
- 2. Single-family dwelling units, cottage housing developments, rowhouse developments, and townhouse developments are permitted ((if-))within 100 feet of a lot line of a PRD that does not abut and is not across a street from a single-family zoned lot, or that is separated from the single-family zoned lot by physical barriers, such as bodies of water, ravines, greenbelts, freeways, expressways, and other major traffic arterials or topographic breaks that provide substantial separation from the surrounding single-family neighborhood.
- 3. Single-family dwelling units, cottage housing developments, rowhouse developments, and townhouse developments are permitted when more than 100 feet from a ((PRD's-))lot line of a PRD.
- 4. Cottage housing developments, rowhouse developments, and townhouse developments shall meet the development standards for structures in ((Lowrise))LR1 zones, unless otherwise specified in this Chapter 23.44.

	DPD Low Impact Development Code Changes ORD June 23, 2015 Version #12
1	C. Number of $((\underline{\mathbf{P}}))\underline{\mathbf{d}}$ welling $((\underline{\mathbf{U}}))\underline{\mathbf{u}}$ nits $((\underline{\mathbf{P}}))\underline{\mathbf{p}}$ ermitted $((\underline{\mathbf{v}}))$
2	1. The number of dwelling units permitted in a PRD shall be calculated by
3	dividing the PRD lot area by the minimum lot ((size))area ((permitted))required in ((Section
4	23.44.010 A))subsection 23.44.010.A. ((For PRD's which include))If the PRD includes more
5	than one $(((1))$)zone, the number of dwelling units shall be calculated based on the proportion of
6	land area in each zone.
7	2. An increase in number of dwelling units may be permitted in a PRD up
8	to a maximum increase of ((twenty ())20(())) percent. An increase in permitted density shall be
9	based on the extent to which the proposed PRD provides substantial additional public benefits
10	such as the following:
11	a. Low-income housing, as defined in subsection 23.84A.016.H;
12	b. Usable open space;
13	c. ((Day)) <u>Child</u> care <u>center</u> , meeting space, or recreational facilities
14	open to the surrounding community((-)); and
15	d. Green stormwater infrastructure beyond the requirements of the
16	City of Seattle Stormwater Code (Chapters 22.800 through 22.808.)
17	D. Subdivision((-))
18	1. A PRD may be subdivided into lots of less than the minimum size
19	required by subsection ((A of Section 23.44.010))23.44.010.A.
20	2. A minimum of ((three hundred ())300(())) square feet ((per unit))of
21	private, landscaped open space ((shall be))is required((5)) and shall be provided at ground level
22	and directly accessible to the unit.

	7 GISIGN #12
1	E. Yards. Yards shall be required for residential structures within a PRD. For the
2	purposes of this subsection 23.44.034.E, setbacks shall be considered yards, and the provisions
3	relating to accessory structures in required yards of the applicable single-family zone shall apply.
4	1. Structures ((which are-))within ((one hundred ())100(())) feet of the
5	((property))exterior lot line of a PRD shall be set back a minimum distance of ((twenty ())20(()))
6	feet from the street ((property)) <u>lot</u> line of a PRD.
7	2. No dwelling unit in a PRD shall be closer than ((five ())5(())) feet to a
8	side lot line of an abutting single-family zoned lot.
9	3. No dwelling unit in a PRD shall be closer than ((twenty-five ())25(()))
10	feet to a rear lot line of an abutting single-family zoned lot.
11	4. No dwelling unit in a PRD shall be closer than ((five ())5(())) feet to any
12	lot line of an abutting non-single-family or non-residentially zoned lot.
13	5. Principal structures shall be at least((A minimum distance of ten
14	())10(())) feet apart((shall be maintained between principal structures)).
15	6. To provide a sense of privacy and to mitigate the effects of shadows
16	between structures $\underline{\text{that}}((\frac{\text{which}}{\text{hich}}))$ are more than $((\frac{\text{one hundred }(}{\text{one hundred }(})))$ feet from the
17	((property))lot line of a PRD, the required ((distance))separation between structures shall vary
18	depending on the design of the facing facades as follows:
19	a. Walls shall be ((not less than))at least ((ten ())10(())) feet apart((
20	at any point)).
21	b. A principal entrance to a structure shall be at least ((fifteen
22	())15(())) feet from the nearest interior facade ((which contains no))that does not have a principal
23	entrance.
	1

Nick Welch/Margaret Glowacki DPD Low Impact Development Code Changes ORD June 23, 2015 Version #12

	Version #12
1	c. A principal entrance to a structure shall be at least ((twenty
2	(\cdot))20((\cdot)) feet from the nearest interior facade ((\cdot) which contains))with a principal entrance.
3	7. The Director may modify the minimum required setbacks or require
4	alternate spacing or placement of structures in order to preserve or enhance topographical
5	conditions, enhance the relationship with adjacent uses or the layout of the project, promote
6	green stormwater infrastructure and other measures to reduce stormwater runoff, or((and to))
7	maintain a compatible scale and design with the surrounding community.
8	F. Landscaping. The Director may require ((L))landscaping that is compatible
9	with surrounding flora and favors native species ((may be required))to achieve one or more of
10	the following:((along some or all exterior lot lines of a PRD to minimize the effect of the PRD
11	on adjacent uses. The retention of existing mature landscaping may be required. In addition,
12	landscaping may be required to reduce the potential for erosion or excessive stormwater runoff;
13	reduce the site coverage by impervious surfaces; and screen parking from the view of adjacent
14	residentially zoned lots and the street.
15	Plant species shall be compatible with surrounding flora.))
16	1. Minimize the impacts of the PRD on adjacent land uses along some or
17	all exterior lot lines;
18	2. Reduce stormwater runoff, potential erosion, and impervious surfaces;
19	and
20	3. Screen parking from the view of adjacent residentially zoned lots and
21	the street.

20

	Nick Welch/Margaret Glowacki DPD Low Impact Development Code Changes ORD June 23, 2015 Version #12
1	G. Maintenance of $((R))$ required $((L))$ landscaping and $((\Theta))$ open $((S))$ space.
2	Maintenance of required landscaping and open space shall be the continuing responsibility of the
3	owner.
4	Section 10. Section 23.45.516 of the Seattle Municipal Code, last amended by Ordinance
5	124307, is amended as follows:
6	23.45.516 Additional height and extra residential floor area in ((Midrise and Highrise))
7	MR and HR zones
8	A. General. Definitions in Section 23.58A.004 apply in this Section 23.45.516 unless
9	otherwise specified. According to the provisions of this Section 23.45.516, Section 23.45.526,
10	and Chapter 23.58A:
11	1. In MR, MR/85, and HR zones, extra residential floor area may be permitted up
12	to the maximum limits allowed by Section 23.45.510; and
13	2. In MR and HR zones, additional height($(\frac{1}{2})$) above the base height limit($(\frac{1}{2})$) is
14	permitted for structures that qualify for extra residential floor area, up to the maximum limits
15	allowed by Sections 23.45.514 and 23.45.516.
16	B. Eligible lots. The following lots are eligible for extra residential floor area and, except
17	in MR/85 zones, additional height:
18	1. Lots in MR or MR/85 zones in urban villages, urban centers, and the Station
19	Area Overlay District, except when the lot abuts a lot zoned single-family or is directly across an
20	alley from a lot zoned single-family; and
21	2. Lots in HR zones.
22	C. Highrise zones((-))

Nick Welch/Margaret Glowacki
DPD Low Impact Development Code Changes ORD
June 23, 2015
Version #12

	Version #12
1	1. Extra $((R))$ <u>r</u> esidential $((F))$ <u>f</u> loor $((A))$ <u>a</u> rea. In HR zones extra residential floor
2	area may be gained in accordance with Chapter 23.58A subject to the conditions and limits in
3	this Section 23.45.516. Up to all extra residential floor area may be gained through the affordable
4	housing incentive program provisions in Section 23.58A.014. Up to 40 percent of extra
5	residential floor area may be gained by one or any combination of:
6	a. transfer of development potential;
7	b. providing neighborhood open space or a payment in lieu thereof; and/or
8	c. providing a $((n))$ eighborhood $((n))$ freen $((n))$ treet setback if allowed
9	pursuant to subsection 23.45.516.F, all in accordance with this Section 23.45.516 and Chapter
10	23.58A.
11	2. Structure height((-))
12	a. Structures 240 feet or less in height. The applicable height limit in an
13	HR zone under subsection 23.45.514.B is 240 feet if the applicant satisfies the conditions for
14	extra floor area but not all of the conditions in subsection 23.45.516.C.2.b ((of this Section
15	23.45.516))are met.
16	b. Structures over 240 feet. The applicable height limit in an HR zone
17	under subsection 23.45.514.B is 300 feet if the applicant satisfies the conditions for extra floor
18	area and the following additional conditions are met:
19	1) For any structure above a height of 85 feet, the average
20	residential gross floor area per story above a height of 45 feet does not exceed 9,500 square
21	feet;((and))
22	2) No parking is located at or above grade, unless it is separated
23	from all street lot lines by another use; and

	Nick Welch/Margaret Glowacki DPD Low Impact Development Code Changes ORD June 23, 2015 Version #12
1	3) At least 25 percent of the lot area at grade is one or more
2	landscaped ((areas))open spaces, each with a minimum horizontal dimension of 10 feet, or at
3	least 20 percent of the lot area at grade is landscaped, common amenity area meeting the
4	standards of Section 23.45.522.
5	***
6	Section 11. Section 23.45.518 of the Seattle Municipal Code, last amended by Ordinance
7	124378, is amended as follows:
8	23.45.518 Setbacks and separations
9	***
10	J. Structures in required setbacks or separations((-))
11	***
12	10. Cisterns and above-grade bioretention facilities are permitted without setback
13	or separation restrictions if:
14	a. Each cistern and bioretention facility is less than 4.5 feet tall excluding
15	piping;
16	b. Each cistern and bioretention facility is less than 4 feet wide; and
17	c. The system's total storage capacity is no greater than 600 gallons.
18	11. Cisterns and above-grade bioretention facilities larger than what is allowed in
19	subsection 23.45.518.J.10 are permitted within a required setback or separation if:
20	a. It does not exceed 10 percent coverage in any required setback or
21	separation area;
22	b. It is not located closer than 2.5 feet from a side lot line; and
23	c. It projects no more than 5 feet into the front or rear setback area.
	Last revised April 30, 2015 23

	Nick Welch/Margaret Glowacki DPD Low Impact Development Code Changes ORD June 23, 2015 Version #12
1	***
2	Section 12. Section 23.45.522 of the Seattle Municipal Code, last amended by Ordinance
3	124378, is amended as follows:
4	23.45.522 Amenity area
5	A. Amount of amenity area required for rowhouse and townhouse developments and
6	apartments in LR zones((-))
7	1. The required amount of amenity area for rowhouse and townhouse
8	developments and apartments in LR zones is equal to 25 percent of the lot area.
9	2. A minimum of 50 percent of the required amenity area shall be provided at
10	ground level, except that amenity area provided on the roof of a structure that meets the
11	provisions of subsection 23.45.510.E.5 may be counted as amenity area provided at ground level.
12	3. For rowhouse and townhouse developments, amenity area required at ground
13	level may be provided as either private or common space.
14	4. For apartments, amenity area required at ground level shall be provided as
15	common space.
16	B. Amenity area requirements for cottage housing developments in all multi_family
17	zones((-))
18	1. A minimum of 300 square feet of amenity area is required for each cottage.
19	2. A minimum of 150 square feet of amenity area is required for each carriage
20	house.
21	3. The required quantity shall be allocated as follows:
22	a. Half of the amenity area required for each cottage, and all of the
23	amenity area required for each carriage house, shall be provided as common amenity area; and

Nick Welch/Margaret Glowacki DPD Low Impact Development Code Changes ORD June 23, 2015
Version #12

1 b. Half of the amenity area required for each cottage shall be provided as 2 private amenity area for that unit. 3 4. The required common amenity area may be divided into no more than two 4 separate areas($(\frac{1}{2})$) and shall: 5 a. have cottages or carriage houses abutting on at least two sides; 6 b. be in a location central to the cottage housing development; and 7 c. have no horizontal dimension of less than 10 feet. 8 5. Carriage houses shall have stairs that provide access to the common amenity 9 area. 10 C. Amount of amenity area required in MR and HR zones. The required amount of 11 amenity area in MR and HR zones is equal to 5 percent of the total gross floor area of a structure 12 in residential use, except that cottage housing developments shall meet the standards in 13 subsection ((B of this Section))23.45.522.B. 14 D. General requirements. Required amenity areas shall meet the following conditions: 1. All units shall have access to a common or private amenity area. 15 16 2. Enclosed amenity area 17 a. In LR zones, an amenity area shall not be enclosed within a structure. 18 b. In MR and HR zones, except for cottage housing, no more than 50 19 percent of the amenity area may be enclosed, and this enclosed area shall be provided as 20 common amenity area. 21 3. Projections into amenity areas. Structural projections that do not provide floor 22 area, such as garden windows, may extend up to 2 feet into an amenity area if they are at least 8 23 feet above finished grade.

25

Nick Welch/Margaret Glowacki DPD Low Impact Development Code Changes ORD June 23, 2015 Version #12
4. Private amenity area
a. There is no minimum dimension for private amenity areas, except that if
a private amenity area abuts a side lot line that is not a side street lot line, the minimum
horizontal dimension measured from the side lot line is 10 feet.
b. An unenclosed porch that is a minimum of 60 square feet in size((-,))
and that faces a street or a common amenity area((5)) may be counted as part of the private
amenity area for the rowhouse, townhouse, or cottage to which it is attached.
5. Common amenity area for rowhouse and townhouse developments and
apartments shall meet the following conditions:
a. No common amenity area shall be less than 250 square feet in area, and
common amenity areas shall have a minimum horizontal dimension of 10 feet.
b. Common amenity area shall be improved as follows:
1) At least 50 percent of common amenity area provided at ground
level shall be landscaped with grass, ground cover, bushes, bioretention facilities, rain gardens,
and/or trees.
2) Elements that enhance the usability and livability of the space
for residents, such as seating, outdoor lighting, weather protection, art, or other similar features,
shall be provided.
c. The common amenity area required at ground level for apartments shall

amenity areas, except that a woonerf may provide a maximum of 50 percent of the amenity area

6. Parking areas, vehicular access easements, and driveways do not qualify as

be accessible to all apartment units.

	Nick Welch/Margaret Glowacki DPD Low Impact Development Code Changes ORD June 23, 2015 Version #12
1	if the design of the woonerf is approved through a design review process pursuant to Chapter
2	23.41.
3	7. Swimming pools, spas, and hot tubs may be counted toward meeting the
4	amenity area requirement.
5	8. Rooftop areas excluded because they are near minor communication utilities
6	and accessory communication devices, pursuant to subsection 23.57.011.C.1, do not qualify as
7	amenity areas.
8	***
9	Section 13. Section 23.45.536 of the Seattle Municipal Code, last amended by Ordinance
10	124378, is amended as follows:
11	23.45.536 Parking location, access, and screening
12	***
13	C. Access to parking((-))
13	C. Tiesess to parking((.))
14	Alley access required. Except as otherwise expressly required or permitted in
14	1. Alley access required. Except as otherwise expressly required or permitted in
14 15	1. Alley access required. Except as otherwise expressly required or permitted in subsections <u>23.45.536.</u> C or <u>23.45.536.</u> D((<u>of this Section 23.45.536</u>)), access to parking shall be
14 15 16	1. Alley access required. Except as otherwise expressly required or permitted in subsections 23.45.536.C or 23.45.536.D((-of this Section 23.45.536)), access to parking shall be from the alley if the lot abuts an alley and one of the conditions in this subsection 23.45.536.C.1
14151617	1. Alley access required. Except as otherwise expressly required or permitted in subsections <u>23.45.536.</u> C or <u>23.45.536.</u> D((-of this Section <u>23.45.536</u>)), access to parking shall be from the alley if the lot abuts an alley and one of the conditions in this subsection <u>23.45.536.</u> C.1 is met.
1415161718	1. Alley access required. Except as otherwise expressly required or permitted in subsections 23.45.536.C or 23.45.536.D((of this Section 23.45.536)), access to parking shall be from the alley if the lot abuts an alley and one of the conditions in this subsection 23.45.536.C.1 is met. a. The alley is improved to the standards of subsection 23.53.030.C;
14 15 16 17 18	1. Alley access required. Except as otherwise expressly required or permitted in subsections 23.45.536.C or 23.45.536.D((-of this Section 23.45.536)), access to parking shall be from the alley if the lot abuts an alley and one of the conditions in this subsection 23.45.536.C.1 is met. a. The alley is improved to the standards of subsection 23.53.030.C; b. The development gains additional FAR pursuant to ((S))subsection
14 15 16 17 18 19 20	1. Alley access required. Except as otherwise expressly required or permitted in subsections 23.45.536.C or 23.45.536.D((-of this Section 23.45.536)), access to parking shall be from the alley if the lot abuts an alley and one of the conditions in this subsection 23.45.536.C.1 is met. a. The alley is improved to the standards of subsection 23.53.030.C; b. The development gains additional FAR pursuant to ((\$\sigma\$))subsection 23.45.510.C; or
14 15 16 17 18 19 20 21	1. Alley access required. Except as otherwise expressly required or permitted in subsections 23.45.536.C or 23.45.536.D((of this Section 23.45.536)), access to parking shall be from the alley if the lot abuts an alley and one of the conditions in this subsection 23.45.536.C.1 is met. a. The alley is improved to the standards of subsection 23.53.030.C; b. The development gains additional FAR pursuant to ((S))subsection 23.45.510.C; or c. The Director determines that alley access is feasible and desirable to

	Nick Welch/Margaret Glowacki DPD Low Impact Development Code Changes ORD June 23, 2015 Version #12	
1	2. Street access required. Access to parking shall be from the street if:	
2	a. The lot does not abut an alley.	
3	b. The lot abuts an alley, and the Director determines that the alley should	
4	not be used for access((5)) for one or more of the following reasons:	
5	1) Due to the relationship of the alley to the street system, use of	
6	the alley for parking access would create a significant safety hazard;((-or))	
7	2) Topography makes alley access infeasible((-)); or	
8	3) The alley is on the uphill side of a steeply sloping lot, and the	
9	following conditions are met:	
10	$((i.))\underline{a})((a))\underline{A}$ ccess from the street is to \underline{a} common parking	
11	garage in or under the structure, located a maximum of 4 feet above grade.	
12	$((ii.))\underline{b})$ $((i))\underline{T}$ he siting of development results in an	
13	increased Green Factor score, larger ground-level amenity areas, and/or reduced surface parking	
14	area than if alley access is used.	
15	3. On corner lots, if street access is permitted pursuant to subsection	
16	23.45.536.C.2, the applicant may determine the street from which access is taken, unless the	
17	Director determines that the use of the street chosen by the applicant would create a significant	
18	safety hazard.	
19	4. On steeply sloping lots, the Director may permit the use of both an alley and a	
20	street for access, provided that the following conditions are met:	
21	a. $((a))$ Access from the street is to a common parking garage in or under	
22	the structure, that is underground or extends no more than 4 feet above grade.	

Nick Welch/Margaret Glowacki
DPD Low Impact Development Code Changes ORD
June 23, 2015
Version #12

	Version #12
1	b. $((\mathfrak{t}))$ The siting of development results in an increased Green Factor
2	score, larger ground-level amenity areas, and/or reduced surface parking area than if alley access
3	alone is used.
4	c. In LR zones, if the project uses both the alley and street for access to
5	parking other than required barrier-free parking spaces, the project does not qualify for the
6	higher FAR limit in ((S))subsection 23.45.510.B.
7	5. Access to required barrier-free parking spaces that meet the standards in the
8	Seattle Residential Code, Section R322, or the Seattle Building Code, Chapter 11, may be from
9	either the street or alley, or both.
10	6. If the alley is used for access, the alley shall be improved according to the
11	standards in subsections 23.53.030.E and 23.53.030.F, except that if a development gains
12	additional FAR pursuant to subsection 23.45.510.C, the alley shall be paved rather than
13	improved with crushed rock, even for lots containing fewer than ten units.
14	7. If the lot does not abut an improved alley or street, access may be permitted
15	from an easement that meets the provisions of Chapter 23.53, Requirements for Streets, Alleys,
16	and Easements.
17	8. If street access is required, either driveways that provide access from the street
18	to the street-facing garages of individual townhouse or rowhouse units shall be paved with
19	permeable materials and/or access to a majority of these garages shall be provided by shared
20	driveways.
21	D. Screening of parking
22	1. Parking shall be screened from direct street view by:
23	<u>a.</u> the street facing facade of a structure: $((-, -))$

	Nick Welch/Margaret Glowacki DPD Low Impact Development Code Changes ORD June 23, 2015 Version #12
1	<u>b.</u> ((by-))garage doors <u>:</u> ((,))
2	<u>c.</u> ((or by))a fence or wall <u>; or</u>
3	d. landscaped areas, including level plantings, berms, or bioretention
4	facilities.
5	2. Screening <u>provided</u> by a fence ((-or)) wall <u>or landscaped area((-If screening is</u>
6	provided by a fence or wall, the fence or wall)) shall not be located within any required sight
7	triangle($(,)$) and shall meet the following conditions:
8	a. $((\mathfrak{t}))$ The fence $((-\mathfrak{or}))$ wall, or vegetation in the landscaped area shall be
9	at least 3 feet tall measured from the elevation of the curb, or from the elevation of the street if
10	no curb is present. If the elevation of the ground at the base of the fence,((-or)) wall, or
11	landscaped area is higher than the finished elevation of the parking surface, the difference in
12	elevation may be measured as a portion of the required height of the screen, so long as the
13	fence ((-or)) wall, or landscaped area is at least((-minimum of)) 3 feet in height. If located in a
14	setback, the fence or wall shall meet the requirements of subsection 23.45.518.J.7.
15	b. $((\mathfrak{t}))$ The fence $((-\mathfrak{or}))$ wall, or landscaped area shall be set back at least 3
16	feet from the lot line.
17	***
18	Section 14. Section 23.47A.009 of the Seattle Municipal Code, last amended by
19	Ordinance 124378, is amended as follows:
20	23.47A.009 Standards applicable to specific areas
21	***
22	B. West Seattle Junction Hub Urban Village. The following provisions apply to
23	development in the NC3 85(4.75) zone.

	Nick Welch/Margaret Glowacki DPD Low Impact Development Code Changes ORD June 23, 2015 Version #12
1	***
2	4. Setback and $((S))$ separation $((R))$ requirements $((x))$
3	a. The following standards apply to structures greater than 250 feet in
4	width measured parallel to a north-south street lot line:
5	***
6	3) Structures permitted in required setback and separation areas
7	pursuant to subsections 23.47((-))A.009.A.4.a and <u>23.47A.009.</u> A.4.b are:
8	***
9	g) Cisterns and above-grade bioretention facilities are
10	permitted without setback or separation restrictions if:
11	i) Each cistern and bioretention facility is less than
12	4.5 feet tall excluding piping;
13	ii) Each cistern and bioretention facility is less than
14	4 feet wide; and
15	iii) The system's total storage capacity is no greater
16	than 600 gallons.
17	h) Cisterns and above-grade bioretention facilities larger
18	than what is allowed in subsection 23.47.009.B.4.a.3.g are permitted within a setback or
19	separation if:
20	i) It does not exceed ten percent coverage in any
21	setback area;
22	ii) It is not located closer than 2.5 feet from a side
23	lot line; and
	Last revised April 30, 2015 31

	Nick Welch/Margaret Glowacki DPD Low Impact Development Code Changes ORD June 23, 2015 Version #12	
1	iii) It projects no more than 5 feet into the front or	
2	rear setback area.	
3	***	
4	D. Roosevelt Urban Village. The following provisions apply within the area shown on	
5	Map A for 23.47A.009.	
6	1. Setback requirements	
7	***	
8	b. Structures permitted in required setbacks are:	
9	***	
10	7) Cisterns and above-grade bioretention facilities are permitted	
11	without setback restrictions if:	
12	a) Each cistern and bioretention facility is less than 4.5 feet	
13	tall excluding piping;	
14	b) Each cistern and bioretention facility is less than 4 feet	
15	wide; and	
16	c) The system's total storage capacity is no greater than 600	
17	gallons.	
18	8) Green stormwater infrastructure larger than what is allowed in	
19	subsection 23.47.009.D.1.b.7 are permitted within a setback if:	
20	a. It does not exceed 10 percent coverage in any setback	
21	area;	
22	b) It is not located closer than 2.5 feet from a side lot line;	
23	<u>and</u>	
	Last revised April 30, 2015 32	

	Nick Welch/Margaret Glowacki DPD Low Impact Development Code Changes ORD June 23, 2015 Version #12	
1	c) It projects no more than 5 feet into the front or rear	
2	setback area.	
3	***	
4	Section 15. Section 23.47A.014 of the Seattle Municipal Code, last amended by	
5	Ordinance 124378, is amended as follows:	
6	23.47A.014 Setback requirements	
7	***	
8	E. Structures in $((\frac{\mathbf{R}}{}))$ required $((\frac{\mathbf{S}}{}))$ setbacks $((\frac{1}{2}))$	
9	***	
10	9. Cisterns and above-grade bioretention facilities are permitted without setback	
11	restrictions if:	
12	a. Each cistern and bioretention facility is less than 4.5 feet tall excluding	
13	piping;	
14	b. Each cistern and bioretention facility is less than 4 feet wide; and	
15	c. The system's total storage capacity is no greater than 600 gallons.	
16	10. Green stormwater infrastructure larger than what is allowed in subsection	
17	23.47A.014.E.9 is permitted within a setback if:	
18	a. It does not exceed 10 percent coverage in any setback area;	
19	b. It is not located closer than 2.5 feet from a side lot line	
20	c. It projects no more than 5 feet into the front or rear setback area.	
21	***	
22	Section 16. Section 23.47A.016 of the Seattle Municipal Code, last amended by	
23	Ordinance 124608, is amended as follows:	
	Last revised April 30, 2015 33	

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

23.47A.016 Landscaping and screening standards

C. General standards for screening and landscaping where required for specific uses((-))

- 1. Screening shall consist of fences, walls, <u>or landscaped areas, including level</u> <u>plantings, berms, or bioretention facilities((hedges, or landscaped berms))</u>. Any type of screening shall be at least as tall as the height specified in subsection 23.47A.016.D.
- 2. Landscaped areas ((and berms-))required under subsection 23.47A.016.D must meet rules promulgated by the Director pursuant to subsection 23.47A.016.A.1. Decorative features such as decorative pavers, sculptures or fountains, or pedestrian access meeting the Seattle Building Code, Chapter 11, may cover a maximum of 30 percent of each landscaped area or berm used to satisfy requirements under subsection 23.47A.016.D.
- D. Screening and landscaping requirements for specific uses. When there is more than one use that requires screening or landscaping, the requirement that results in the greater amount applies.
 - 1. Surface parking areas((-))
- a. Landscaping requirements for surface parking areas are ((summarized))established in Table C for 23.47A.016.

Table C for 23.47A.016 <u>Landscaping requirements for surface parking areas</u>		
Number of $((P))\underline{p}$ arking $((S))\underline{s}$ paces	Required ((L)landscaped ((A))area	
20 to 50	18 square feet((/)) per parking space	
51 to 99	25 square feet((/)) per parking space	

Nick Welch/Margaret Glowacki DPD Low Impact Development Code Changes ORD June 23, 2015 Version #12

	100 or more 35 square feet((/)) per parking space	
1		
2	1) Each landscaped area shall be no smaller than 100 square feet	
3	and must be ((enclosed))protected by permanent curbs or structural barriers.	
4	2) No part of a landscaped area shall be less than 4 feet in width or	
5	length except those parts of landscaped areas created by turning radii or angles of parking spaces	
6	3) No parking space shall be more than 60 feet from a required	
7	landscaped area.	
8	b. The landscaped area may include bioretention facilities and/or rain	
9	gardens.	
10	c. Trees in surface parking areas((-))	
11	1) One tree is required for every ten parking spaces.	
12	2) Trees shall be selected in consultation with the Director of	
13	Transportation.	
14	((e-))d. Screening of surface parking areas((-))	
15	1) Three-foot-high screening is required along street lot lines.	
16	2) Surface parking abutting or across an alley from a lot in a	
17	residential zone must have 6-foot-high screening along the abutting lot line and a 5-foot-deep	
18	landscaped area inside the screening (see Exhibit A for 23.47A.016).	
19	***	
20	Section 17. Section 23.47A.024 of the Seattle Municipal Code, last amended by	
21	Ordinance 123495, is amended as follows:	

23.47A.024 Amenity area

A. Amenity areas are required in an amount equal to 5 percent of the total gross floor area in residential use, except as otherwise specifically provided in this Chapter 23.47A. Gross floor area, for the purposes of this subsection 23.47A.024.A, excludes areas used for mechanical equipment and accessory parking.

- B. Required amenity areas shall meet the following standards, as applicable:
- 1. All residents shall have access to at least one common or private amenity $area((\frac{1}{2}))_{\underline{i}}$
 - 2. Amenity areas shall not be enclosed($(\frac{1}{2})$).
- 3. Parking areas, vehicular access easements, and driveways do not count as amenity areas, except that a woonerf may provide a maximum of 50 percent of the amenity area if the design of the woonerf is approved through a design review process pursuant to Chapter 23.41((\ddoc)).
- 4. Common amenity areas shall have a minimum horizontal dimension of 10 feet, and no common amenity area shall be less than 250 square feet in size((;)).
- 5. Private balconies and decks shall have a minimum area of 60 square feet, and no horizontal dimension shall be less than 6 feet.
- 6. Rooftop areas excluded because they are near minor communication utilities and accessory communication devices, pursuant to ((\$\frac{\mathbf{S}}{2}\$))subsection 23.57.012.C.1.d, do not qualify as amenity areas.
- 7. Bioretention facilities and rain gardens may be counted towards meeting the amenity area requirement.

	DPD Low Impact Development Code Changes ORD June 23, 2015 Version #12
1	Section 18. Section 23.49.019 of the Seattle Municipal Code, last amended by Ordinance
2	124680, is amended as follows:
3	23.49.019 Parking quantity, location, and access requirements((5)) and screening and
4	landscaping of surface parking areas
5	***
6	I. Screening and landscaping of surface parking areas
7	1. Screening. Surface parking areas for more than five vehicles shall be screened
8	in accordance with the following requirements:
9	a. Screening is required along each street lot line.
10	b. Screening shall consist of:((a landscaped berm, or a view obscuring
11	fence or wall at least 3 feet in height.))
12	1) A view-obscuring fence or wall at least 3 feet in height, or
13	2) A landscaped area with vegetation at least 3 feet in height.
14	Landscaped areas may be bioretention, rain gardens, flat planting areas, or landscaped berms,
15	provided that the top of the vegetation is at least 3 feet above the surrounding grade.
16	c. A landscaped strip on the street side of the fence or wall shall be
17	provided if a fence or wall is used for screening. The strip shall be an average of 3 feet from the
18	property line, but at no point less than 1.5 feet wide. Each landscaped strip shall be planted with
19	sufficient shrubs, grass and/or evergreen groundcover so that the entire strip, excluding
20	driveways, will be covered in three years. Each landscaped strip may be bioretention, at grade, or
21	a raised berm.
22	d. Sight triangles shall be provided in accordance with Section 23.54.030,
23	Parking space standards.

2

3

4

10

11

12

13

14

15

16

gardens.

area.

2. Landscaping. Surface parking areas for 20 or more vehicles, except temporary

surface parking areas, shall be landscaped according to the following requirements:

a. The amount of landscaped area required is shown on Table B for

23.49.019:

Table B for 23.49.019

Required Landscaping for Surface Parking Areas with 20 or More Parking Spaces

Total number of parking spaces	Minimum required landscaped area
20 to 50	18 square feet per parking space
51 to 99	25 square feet per parking space
100 or more spaces	35 square feet per parking space

b. The minimum size of a required landscaped area is 100 square feet.

Berms provided to meet the screening standards in subsection 23.49.019.I.1((-of this section))

may be counted as part of a landscaped area. No part of a landscaped area shall be less than 4

feet in any dimension except those dimensions reduced by turning radii or angles of parking

spaces.

c. The landscaped area may include bioretention facilities and/or rain

d. No parking stall shall be more than 60 feet from a required landscaped

 $((d))\underline{e}$. One tree per every five parking spaces is required.

 $((e))\underline{f}$. Each tree shall be at least 3 feet from any curb of a landscaped area or edge of the parking area.

Nick Welch/Margaret Glowacki
DPD Low Impact Development Code Changes ORD
June 23, 2015
Version #12

((f))g. Permanent curbs or structural barriers shall ((enclose))protect

2 landscaped areas.

((g))h. Sufficient hardy evergreen groundcover shall be planted to cover each landscaped area completely within three years. Trees shall be selected from Seattle Department of Transportation's list for parking area planting.

Section 19. Section 23.49.036 of the Seattle Municipal Code, last amended by Ordinance 122054, is amended as follows:

23.49.036 Planned community developments (PCDs)((-))

A. Authority. Planned community developments may be permitted by the Director as a Type II Land Use Decision pursuant to Chapter 23.76, Procedures for Master Use Permits and Council Land Use Decisions.

B. Public ((₽))benefit ((P))priorities. The Director shall determine public benefit priorities for the PCD. These priorities shall be prepared prior to application for a Master Use Permit. They shall include priorities for public benefits listed in subsection 23.49.036. F and priorities for implementing the goals of the Comprehensive Plan, including adopted neighborhood plans for the area affected by the PCD, and a determination of whether the proposed PCD may use public right-of-way area to meet the minimum site size set forth in subsection 23.49.036. E. Before the priorities are prepared, the Director shall cause a public meeting to be held to identify concerns about the site and to receive public input into priorities for public benefits identified in adopted neighborhood plans and subsection 23.49.036. F. Notice for the meeting shall be provided pursuant to Section 23.76.011. The Director shall prepare priorities for the PCD taking into account comments made at the public meeting or in writing to the Director, and the criteria in this ((\$\ext{s})\text{Section 23.49.036}. The Director shall distribute a copy

Nick Welch/Margaret Glowacki
DPD Low Impact Development Code Changes ORD
June 23, 2015
Version #12

of the priorities to all those who provided addresses for this purpose at the public meeting, to those who sent in comments or otherwise requested notification, and to the project proponent.

C. A PCD shall not be permitted if the Director determines it would be likely to result in a net loss of housing units or if it would result in significant alteration to any designated feature of a Landmark structure, unless a Certificate of Approval for the alteration is granted by the Landmarks Preservation Board.

D. Location((-))

- 1. ((Planned Community Developments)) PCDs may be permitted in all Downtown zones except the ((Pike Market Mixed)) PMM zone and the ((Downtown Harborfront 4)) DH1 zone.
- 2. A portion of a PCD may extend into any non-downtown zone(s) within the Downtown Urban Center and adjacent to a downtown zone subject to the following conditions:
- a. The provisions of this title applicable in the non-downtown zone(s) regulate the density of non-residential use by floor area ratio; and
- b. The portion of a PCD project located in non-downtown zone(s) ((shall be not more than))must not exceed ((twenty ())20(())) percent of the total area of the PCD.
- E. Minimum ((\$))size. A PCD shall include a minimum site size of ((one hundred thousand ())100,000(())) square feet within one (((1)))or more of the Downtown zones where PCDs are permitted according to subsection 23.49.036.D.1. The total area of a PCD shall be contiguous. Public right-of-way shall not be considered a break in contiguity. At the Director's discretion, public right-of-way area may be included in the minimum area calculations if actions related to the PCD will result in significant enhancements to the streetscape of the public right-

	DPD Low Impact Development Code Changes ORD June 23, 2015 Version #12
1	of-way, improved transit access and expanded transit facilities in the area, and/or significant
2	improvement to local circulation, especially for transit and pedestrians.
3	F. Evaluation of PCDs. A proposed PCD shall be evaluated on the basis of public
4	benefits provided, possible impacts of the project, and consistency with the standards contained
5	in this subsection 23.49.036.F.
6	1. Public ((B))benefits. A proposed PCD shall address the priorities for public
7	benefits identified through the process outlined in subsection <u>23.49.036.</u> B. The PCD shall
8	include <u>at least</u> three (((3) or more)))of the following elements:
9	a. low-income housing,
10	b. townhouse development,
11	c. historic preservation,
12	d. public open space,
13	e. implementation of adopted neighborhood plans,
14	f. improvements in pedestrian circulation,
15	g. improvements in urban form,
16	h. improvements in transit facilities,((and/or))
17	i. green stormwater infrastructure beyond the requirements of the City of
18	Seattle Stormwater Code (Chapter 22.800 through 22.808), and/or
19	<u>j.</u> other elements that further an adopted City policy and provide a
20	demonstrable public benefit.
21	2. Potential ((4))impacts. The Director shall evaluate the potential impacts of a
22	proposed PCD including, but not necessarily limited to, the impacts on housing, particularly low-

Nick Welch/Margaret Glowacki
DPD Low Impact Development Code Changes ORI
June 23, 2015
Version #12

income housing, transportation systems, parking, energy, and public services, as well as environmental factors such as noise, air, light, glare, public views, and water quality.

Section 20. Section 23.49.041 of the Seattle Municipal Code, last amended by Ordinance 123046, is amended as follows:

23.49.041 Combined lot development((-))

When authorized by the Director pursuant to this ((s))Section 23.49.041, lots located on the same block in DOC1 or DOC2 zones, or in DMC zones with a maximum FAR of ((ten (t))10(())), or lots zoned DOC1 and DMC on the same block, may be combined, whether contiguous or not, solely for the purpose of allowing some or all of the capacity for chargeable floor area on one such lot under this ((c))Chapter 23.49 to be used on one (((1))) or more other lots, according to the following provisions:

A. Up to all of the capacity on one (((1)-))lot, referred to in this ((s))Section 23.49.041 as the "sending lot," for chargeable floor area in addition to the base FAR, pursuant to Section 23.49.011 (referred to in this ((s))Section 23.49.041 as "bonus capacity"), may be used on one or more other lots, subject to compliance with all conditions to use of such bonus capacity, pursuant to Sections 23.49.011((—)) through 23.49.014, as modified in this ((s))Section 23.49.041. For purposes of applying any conditions related to amenities or features provided on site under Section 23.49.013, only the lot or lots on which such bonus capacity shall be used are considered to be the lot or site using a bonus. Criteria for use of bonus that apply to the structure or structures shall be applied only to the structure(s) on the lots using the transferred bonus capacity.

B. Only if all of the bonus capacity on one (((41)-))lot shall be used on other lots pursuant to this ((s))Section 23.49.041, there may also be transferred from the sending lot, to one or more such other lots, up to all of the unused base FAR on the sending lot, without regard to limits on the transfer or on use of TDR in Section 23.49.014. Such transfer shall be treated as a transfer of TDR for purposes of determining remaining development capacity on the sending lot and TDR available to transfer under ((SMC))Section 23.49.014, but shall be treated as additional base FAR on the other lots, and to the extent so treated shall not qualify such lots for bonus development. If less than all of the bonus capacity of the sending lot shall be used on such other lots, then unused base FAR on the sending lot still may be transferred to the extent permitted for within-block TDR under Section 23.49.014, and if the sending lot qualifies for transfer of TDR under any other category of sending lot in Table A for 23.49.014((A)), such unused base FAR may be transferred to the extent permitted for such category, but in each case only to satisfy in part the conditions to use of bonus capacity, not as additional base FAR.

C. To the extent permitted by the Director, the maximum chargeable floor area for any one (((1))) or more lots in the combined lot development may be increased up to the combined maximum chargeable floor area under Section 23.49.011 computed for all lots participating in the combined lot development. To the extent permitted by the Director, and subject to subsection 23.49.041.B((-of this section)), the base floor area for any one (((1))) or more lots in the combined lot development may be increased up to the combined maximum base chargeable floor area under Section 23.49.011 computed for all lots participating in the combined lot development.

D. The Director shall allow combined lot development only to the extent that the Director determines((τ)) in a Type I land use decision((τ)) that permitting more chargeable floor area than

Last revised April 30, 2015

	June 23, 2015 Version #12
1	would otherwise be allowed on a lot shall result in a significant public benefit. In addition to
2	features for which floor area bonuses are granted, the Director may also consider the following
3	as public benefits that could satisfy this condition when provided for as a result of the lot
4	combination:
5	1. preservation of a ((1))Landmark structure located on the block or adjacent
6	blocks;
7	2. uses serving the downtown residential community, such as a grocery store, at
8	appropriate locations;
9	3. public facilities serving the $((\mathbf{D}))\underline{\mathbf{d}}$ owntown population, including schools,
10	parks, community centers, human service facilities, and clinics;
11	4. transportation facilities promoting pedestrian circulation and transit use,
12	including through((-))-block pedestrian connections, transit stations, and bus layover facilities;
13	5. ((\$))short-term parking on blocks within convenient walking distance of the
14	retail core or other $((D))\underline{d}$ owntown business areas where the amount of available short term
15	parking is determined to be insufficient;
16	6. a significant amount of housing serving households with a range of income
17	levels;
18	7. improved massing of development on the block that achieves a better
19	relationship with surrounding conditions, including: better integration with adjacent
20	development, greater compatibility with an established scale of development, especially relative
21	to ((1))Landmark structures, or improved conditions for adjacent public open spaces,
22	$((d))\underline{D}$ esignated $((g))\underline{G}$ reen $((s))\underline{S}$ treets, or other special street environments;
23	8. public view protection within an area; ((and/or))

	Nick Welch/Margaret Glowacki DPD Low Impact Development Code Changes ORD June 23, 2015 Version #12
1	9. arts and cultural facilities, including a museum or museum expansion
2	space((-)); and/or
3	10. green stormwater infrastructure beyond the requirements of the City of Seattle
4	Stormwater Code (Chapter 22.800 through 22.808).
5	***
6	Section 21. Section 23.50.034 of the Seattle Municipal Code, last amended by Ordinance
7	123547, is amended as follows:
8	23.50.034 Screening and landscaping
9	The following types of screening and landscaping may be required according to the
10	provisions of Sections 23.50.036, 23.50.038, and 23.50.040:
11	A. Three-foot $(((3') H))\underline{h}igh((S))\underline{s}$ creening. Three-foot $(((3') H))high$ screening may be
12	either:
13	1. A fence or wall at least $((\frac{1}{2}))$ feet $((\frac{3}{2}))$ in height; or
14	2. A landscaped area with vegetation at least 3 feet in height. Landscaped areas
15	may be bioretention, rain gardens, flat planting areas, or landscaped berms, provided that the top
16	of the vegetation is at least 3 feet above the surrounding grade.((A hedge or landscaped berm at
17	least three feet (3') in height.))
18	B. View-obscuring $((S))$ screening. View-obscuring screening may be either:
19	1. A fence or wall $((\frac{\sin}{2}))\underline{6}$ feet $((\frac{6}{2}))$ in height; or
20	2. A landscaped area with vegetation at least 5 feet in height. Landscaped areas
21	may be bioretention, rain gardens, flat planting areas, or landscaped berms, provided that the top
22	of the vegetation will be at least 5 feet above the surrounding grade within three years of
23	planting.((A landscaped berm at least five feet (5') in height; or

	Nick Welch/Margaret Glowacki DPD Low Impact Development Code Changes ORD June 23, 2015 Version #12
1	3. A hedge which would achieve a height of at least five feet (5') within three (3)
2	years of planting; or
3	4. Any combination of the features listed above which achieves a height of at least
4	five feet (5') within three (3) years of planting.))
5	C. Landscaped ((A))areas and ((B))berms. Each area or berm required to be landscaped
6	shall be planted with trees, shrubs and grass, or evergreen ground cover, in a manner that the
7	total required setback, excluding driveways, will be covered in three $(((3))$) years. Features such
8	as walkways, decorative paving, sculptures, or fountains may cover a maximum of ((thirty))30
9	percent (((30%)))of each required landscaped area or berm.
10	D. Street ((T))trees. When required((by this Code)), street trees shall be provided in the
11	planting strip according to Seattle Department of Transportation Tree Planting Standards. If it is
12	not feasible to plant street trees in the planting strip according to City standards, they shall be
13	planted in the 5-foot-((five-foot (5')-))deep landscaped setback area along the street property
14	line. Trees planted in this setback area shall be at least $2 \text{ feet}((\text{two feet }(2')))$ from the street lot
15	line.
16	E. Combinations of $((S))$ screening and $((L))$ landscaping $((R))$ requirements $((R))$
17	1. When there is more than one $(((1))$)type of use which requires screening or
18	landscaping, the requirement which results in the greater amount of screening and landscaping
19	shall be followed.
20	2. Different types of screening or landscaping may be combined on one (((1)))lot.
21	F. Landscaping meeting Seattle Green Factor standards, pursuant to Section 23.86.019.
22	Section 22. Section 23.57.008 of the Seattle Municipal Code, last amended by Ordinance
23	124172, is amended as follows:

	DPD Low Impact Development Code Changes ORD June 23, 2015 Version #12
1	23.57.008 Development standards
2	***
3	C. Setbacks and landscaping
4	***
5	2. The required setback shall be landscaped as follows:
6	a. A 5((-))-foot((-))-deep setback measured perpendicular to the lot lines
7	shall be planted with ground cover.
8	b. The area between 5 feet and 10 feet in from all lot lines shall be planted
9	with continuous vegetation consisting of bushes.
10	c. The area between 10 feet and 20 feet in from all lot lines shall be
11	planted with view-obscuring vegetation consisting of evergreen hedges and evergreen trees a
12	minimum of 10 feet tall at the time of planting and expected to reach at least 30 feet at maturity.
13	d. All landscaping shall conform to the Director's Rule on Landscape
14	Standards.
15	e. Bioretention facilities and rain gardens are allowed as part of the
16	landscaping requirement if the resulting screening and mitigation of visual impacts is the same as
17	would otherwise result from the provision of the requirements of this subsection 23.57.008.C.2.
18	***
19	Section 23. Section 23.75.140 of the Seattle Municipal Code, last amended by Ordinance
20	124378, is amended as follows:
21	23.75.140 Setbacks and projections
22	***
23	J. Structures in required setbacks((-))

Last revised April 30, 2015

	Nick Welch/Margaret Glowacki DPD Low Impact Development Code Changes ORD June 23, 2015 Version #12
1	***
2	9. Cisterns and above-grade bioretention facilities are permitted without setback
3	restrictions if:
4	a. Each cistern and bioretention facility is less than 4.5 feet tall excluding
5	piping;
6	b. Each cistern and bioretention facility is less than 4 feet wide; and
7	c. The system's total storage capacity is no greater than 600 gallons.
8	10. Cisterns and above-grade bioretention facilities larger than what is allowed in
9	subsection 23.75.140.J.9 are permitted within a setback if:
10	a. It does not exceed 10 percent coverage in any setback area;
11	b. It is not located closer than 2.5 feet from a side lot line: and
12	c. It projects no more than 5 feet into the front or rear setback area.
13	***
14	Section 24. Section 23.84A.014 of the Seattle Municipal Code, last amended by
15	Ordinance 124378, is amended as follows:
16	23.84A.014 "G"
17	***
18	"Green roof" means a landscaped area on the roof of a structure.
19	"Green stormwater infrastructure" means a drainage control facility that uses infiltration,
20	evapotranspiration, or stormwater reuse. Examples of green stormwater infrastructure include
21	permeable pavement, bioretention facilities, and green roofs.

Nick Welch/Margaret Glowacki DPD Low Impact Development Code Changes ORD June 23, 2015 Version #12 "Green street" means a street right-of-way that is part of the street circulation pattern, that 1 2 through a variety of treatments, such as sidewalk widening, landscaping, traffic calming, and 3 pedestrian-oriented features, is enhanced for pedestrian circulation and open space use. *** 4 Section 25. Section 23.84A.028 of the Seattle Municipal Code, last amended by 5 6 Ordinance 124378, is amended as follows: 7 23.84A.028 "O" 8 9 "Open space, landscaped" means exterior space, at ground level, predominantly open to 10 public view and used for the planting of trees, shrubs, ground cover, bioretention, rain gardens, 11 and other natural vegetation. 12 13

Nick Welch/Margaret Glowacki DPD Low Impact Development Code Changes ORD June 23, 2015 Version #12 Section 25. This ordinance shall take effect and be in force 30 days after its approval by 1 2 the Mayor, but if not approved and returned by the Mayor within ten days after presentation, it 3 shall take effect as provided by Seattle Municipal Code Section 1.04.020. Passed by the City Council the _____ day of ________, 2015, and 4 signed by me in open session in authentication of its passage this 5 6 _____ day of ______, 2015. 7 8 9 President ______ of the City Council 10 Approved by me this ____ day of 11 , 2015. 12 13 14 Edward B. Murray, Mayor 15 16 Filed by me this ____ day of _ ______, 2015. 17 18 19 Monica Martinez Simmons, City Clerk 20 21 22 (Seal) 23

50

Last revised April 30, 2015