CONVENIENCE COPY

Snohomish County Planning and Development Services (PDS)

3000 Rockefeller Avenue, M/S 604, Everett, WA 98201 (425) 388-3311

PDS Use Only				
Project File Number	Date Received			
Project Manager (Planner)				
Transportation Reviewer (TDR)				
	· · · · · · · · · · · · · · · · · · ·			



LOW IMPACT DEVELOPMENT (LID)
DEVIATION FROM ENGINEERING DESIGN &
DEVELOPMENT STANDARDS (EDDS) —
PAVEMENT, PLANTER AND SIDEWALK WIDTH
FOR DEVELOPMENT OF 194TH ST SE

Instructions:

Attach copies of the EDDS section(s) and/or drawings for which a deviation is requested. Include documentation such as drainage calculations, other engineering data and drawings, which will verify and substantiate the request. Engineering elements not meeting the required standards may require submittal by an engineer licensed in the State of Washington.

Submit 3 complete sets of copies of the request and documentation to: PDS CSC 2nd floor, Admin East, 3000 Rockefeller Ave, Everett, WA 98201. ONE DEVIATION PER FORM.

Project Name: Clearwater Commons

(c) Requestor: Mark Buehrer, PE, Juliet Thompson, EIT

Firm: 2020 Engineering

Phone: (360) 671-2020 Email: mark@2020engineering.com

Address: 700 Dupont St. PO Box 1621

City, Zip: Bellingham, Washington 98227

Check EDDS edition: ☐ 1992 ☐ 2003 ☒ 2004 Revision Chapter/Section: EDDS 3-04 Standard Drawing: 3-065

Describe the EDDS standard to be deviated from:

EDDS 3-04 (Road Standards: Arterials and Non-Arterials), Standard Drawing 3-050 (Typical Urban Non-Arterial Road), and Standard Drawing 3-065 (Road Standards – Urban Non-Arterials).

These drawings provide detailed road standards for non-arterial roads. In urban areas where

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DEC 15 2006



planter strips and sidewalks are required, there shall be a minimum of 1.0 feet of public right-of-way between the back of public sidewalk and private property line along a non-arterial road. Standard Drawings 3-050 and 3-065 identify detailed design elements for design speed, pavement width, travel lane dimensions, planter width, sidewalk width, and R/W width.

The EDDS standard to be deviated from is the requirement for pavement width, sidewalk width and planter strip width along the northern site property frontage on 194th Street SE.

Check the proposed LID techniques and features to be used:

Pervious Paving: Soil Amendments: Raingardens: Green

roofs: 🛛

Pin Piles: Market Retention: Road Widths: Market Road Widths: Mark

Other: 🔀 Pervious Driveways and Patios

Describe the proposed LID design:

The attached site plan illustrates the existing 30-foot right-of-way, the proposed right-of-way, and the location of the wetland edges that are adjacent to the roadway.

A Request for Deviation to EDDS 3-040 regarding required frontage improvements along the 194th is requested for 2 reasons: 1. The existence of Class 3 wetlands on both sides of the current 30-foot wide 194th Street SE right-of-way on the subject parcel, and 2. The proximity of North Creek to to the west edge of the property.

The Deviation proposes a reduced road width and elimination of the planter strip along the wetland edge to the eastern boundary of the site. As shown in the accompanying detail, an 18-foot ACP driving surface is proposed for vehicle traffic and a five-foot concrete sidewalk. Cross-sections A-A and B-B illustrate this.

194th Street SE will be widened as necessary to provide a minimum 18-foot wide ACP driving surface from the parcel's east boundary to the edge of property.

Justification for LID deviation:

1. Describe how this design is meets the approved standard:

Right-of-Way issues: The current 30-foot wide right-of-way for 194th Street SE exists entirely on the subject property, and is not shared with the property to the north. The centerline of the existing right-of-way is not in alignment with the centerline of the existing street. If additional ROW will be required because of road widening beyond the proposed width, right-of-way will need to be obtained from the property to the north. To meet the requirement of establishing 1 foot behind the edge of the proposed sidewalk, right of way to the south will need to be dedicated to the County.

Frontage Improvement Issues: The required frontage improvements along the northern site property on 194th Street SE cannot be achieved due to the presence of Class 3 wetlands. These wetlands exist adjacent to both sides of the 30-foot wide 194th Street SE right-of-way, and would be significantly impacted by the widening required.

Potential Critical Area Impacts: The requested deviations from the Snohomish County Code are for road design modifications (Chapter 3), partially due to their impacts on critical areas and water quality, and partially from the client's desire to emphasize the pedestrian-oriented goals of this development.

North Creek, a stream that provides habitat for fall run Chinook, an endangered species, is 600 ft. to the west of the property border. The extension of 194th St. SE would require that another stream crossing be designed over North Creek. Road crossings over North Creek exist both at 192nd St. SE and 196th St. SE. Recent research in the Puget Sound region suggests that lower numbers of stream crossings per stream length are associated with higher levels of stream health¹. A low impact, watershed-based approach in the North Creek basin would include maintaining a continuous stream comidor and appropriately downsizing the proposed roadway infrastructure until a time when it is clear that an additional stream crossing is necessary.

2. Describe how traffic safety and operations will not be adversely affected by this LID deviation:

Since 194th St. SE comes to a dead end just beyond the property entrance, vehicles will be slowing down to enter the property. The proposed narrower road width will encourage drivers to slow down as they approach the end of the roadway.

3. Describe how the LID deviation will not adversely affect maintenance and associated costs:

The lesser road width will require less maintenance time. The porous concrete sidewalk proposed as a stormwater management method for the roadway section requires periodic pressure washing and/or periodic vacuum sweeping by a street cleaning truck. Compared to the costs of installing and maintaining a stormwater vault, the proposed method requires significantly less installation and maintenance costs.

4. Describe how the aesthetic appearance will be maintained:

It is recommended that low-maintenance plantings be used in the adjacent planting strip so that the aesthetic appearance will be easy to maintain.

¹ Avolio, C.M. (2003) The local impacts of road crossing on Puget Lowland creeks. Master's thesis, University of Washington, Seattle.

This page to be completed by Public Works \$	Staff:
ANALYSIS OF JU	JSTIFICATION FOR EDDS DEVIATION
Conformance to existing standard:	
Adverse topography:	
Comparable to or exceeds standards:	·.
Public cost savings:	
☐ Improved safety:	٦ .
Maintainability:	
Aesthetics:	
Other:	
Staff Recommendations:	
☐ Approve ☐ Deny	
Basis:	
Project Name: PFN	N: EDDS Section #
Certain projects may require review by oth Fire Marshal Review attached. Drainage Review attached. Traffic Review attached. Final Public Works Decision:	to approved design
☐ APPROVED ☐ DENIED County Engineer: Owen B. C	
Attach a copy of the letter of notification cc: Land Use File EDDS Deviation Request File PDS	IN DENIED: ROADWAY WIDTH APPROVED: SIPEWALKWIDTH
P:\DATA\WP\EDDS Deviation Form to print March 2006	CONCRETE SIDEWALK AT

PFN: 06 131051 000 00 PA Chad Port

Received - 09/01/2008



Snohomish County Planning and Development Services (PDS)

3000 Rockefeller Avenue, M/S 604, Everett, WA 98201 (425) 388-3311



LOW IMPACT DEVELOPMENT (LID) SUPPLEMENTAL

			
	PDS Use Only		
Project File Number 06-13	3/0S1 Date Received 9	-1-06	
Project Manager (Planner)			
Transportation Reviewer (TDR)			
Project Name: Clearwater Co	mmons		
Requestor: Mark Buehrer, PE	/ Juliet Thompson, EIT	Firm: 2020 Engineering	
Phone: (360) 671-2020	E mail: mark@2020engineering.	com	
Address: 700 Dupont St., PO	Box 9621 Bellingham, WA 982	27	
Describe the LID technique	to be used that requires the m	odification:	
The use of compost-amende	d soils is recommended in the L	.ow Impact Development Technical	
•	, ,,, ,	ge areas of sites can restore the soil's	
• •		infiltrated on-site. The amended soil	
• • •		y. Evapotranspiration also plays a ge stormwater is improved. At present,	
		strate the benefit of using compost-	
	nting a method of representation	_ •	
submitting data and justificatio	n for the infiltration rate used in	the model.	
Check if DOE Credits are red	quested 🛛		
Check the proposed LID tec	hniques and features to be us	ed for your development :	
⊠ Green Roofs	Rain Gardens	☐ Road Width Reduction	
⊠ Green Roofs ⊠ Pervious Paving ⊠ Pin Piles	Soil Amendments Tree Retention Tre		
<u> </u>	KA 1100 1/000110011		
Other: Pervious walkways	and patios		

Describe the proposed LID design:

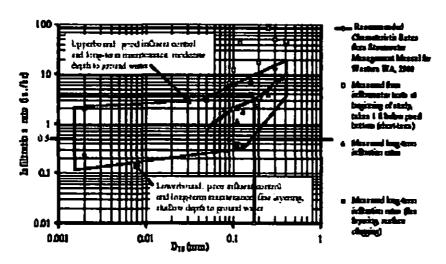
The site plan shown in Figure 1 shows the areas where composted-amended soils will be added to the site soils and rototilled to a depth of 1 ft. This area comprises 1.18 acres or 53% of the site, out of a total of 2.19 acres of developable area within the site.

Determination of Infiltration Rate: Falling head infiltration rate testing was performed at four locations, approximately 150' equidistant from northwest to southeast across the site. The test holes are shown as TP-1, TP-4, TP-5 and TP-6 on the site plan. Testing was performed on August 5, 2006. The test holes were saturated for 24 hours before the test, and water levels were measured on an hourly basis over a four-hour period. The test results are as follows:

Test Site	Infiltration Rate, In./hr
TP-1	13.3
TP-4	21.4
TP-5	11.6
TP-6	2.4

The on-site infiltration test results in an average infiltration rate of 12.2 in/hour. When a safety factor of 4 is applied, the long term infiltration rate from field testing is 3.0 in/hr.

A grain size analysis was done by a geotechnical engineer for TP-5, and the D₁₀ grain size of 0.21 was used to obtain a comparison infiltration rate using WSDOT literature as recommended in the TGM. The graph used (Fig. 4-17 – WSDOT Highway Runoff Manual) to obtain the rate is shown in Figure 2. The "mean value line" gave a long term infiltration rate of 3.5 in/hr. Since the soils on-site are layered and have an average depth to shallow groundwater seeps at 3 feet, the mean value was used instead of the "upperbound value". The mean value also compares well to the field testing result.



(Note: The mean values represent low-gradient conditions and relatively challen possible

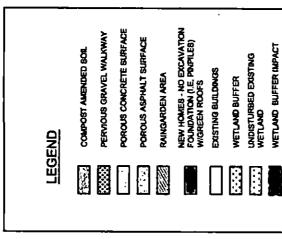
Figure 4-17. In Giration rate as a function of the D_{10} size of the soil for ponds in western Washington.

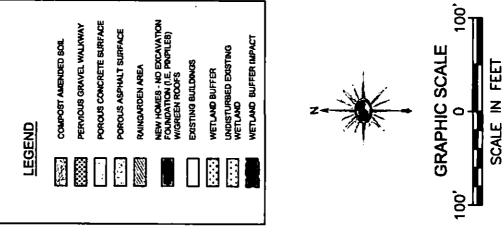
Figure 2. Reproduction of Figure 4-17 from WSDOT Highway Runoff Manual

In summary, the long-term infiltration rate from the D10 method, 3.5 in/hr, was used for modeling the site using a safety factor of 1, as specified in the WSDOT literature.

Modeling Approach: The approach and assumptions used to model the site using WWHM2 is as follows: Green roofs, pervious pathways, and pervious concrete were represented as landscape over till soils as per the guidance in Chapter 8 of the TGM. The remaining acre of undeveloped site was modeled as an infiltration pond with the depth calculated as the void space in one foot of the compost-amended soils, taking into account a compaction rate of 15%. This approach provided results indicating that 100% infiltration of the stormwater generated on site can be achieved by adding compost amendments to the on-site soils.

A detail of the compost-amended soil layer is shown in Figure 3. The result of the WWHM2 modeling showing 100% infiltration is provided in Figure 4.





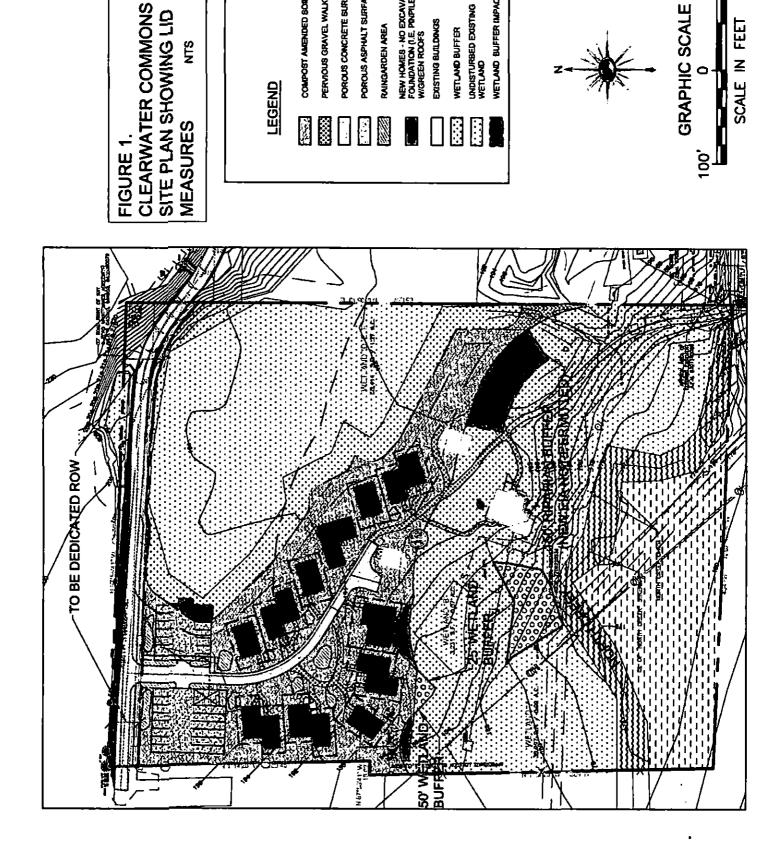
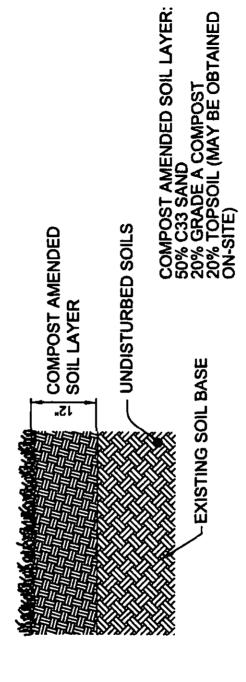


Figure 3. Compost Amended Soil Section CLEARWATER COMMONS



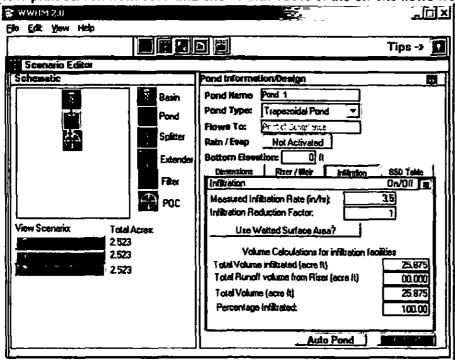
COMPOST AMENDED SOIL SECTION

L

This print screen from WWHM2 shows the areas corresponding to the following proposed land uses:

Existing Buildings/Roofs 0.061 ac. Proposed 194th St. SE Impervious Area 0.212 ac Pervious pathways, green roofs, driveway, parking 1.07 ac Compost amended soils 1.18 ac **₩WH:12.0** File Edik View Help Tips -> 1 Scenario Editor leein information Oround Waler Basin Name: Dean 1 منحفظ Flows to: Pand Sail Type land Use/ Splitter A/B C/D Saturated Vegetative Cover Saturated Dutwash Impervious Area (Root) Extend 190.0 Streets/Sidewake/Parting Filter Landscaped Area Forest. POC **Posturo** 1 67 Pand View Scenario: Total Acres Standard Residential Land U 2523 2523 2523

This print screen from WWHM2 shows that 100% of the on-site flows were infiltrated.



2020 Engineering August 23, 2006

OK PO 9-27-06 / Sleight

Snohomish County Planning and Development Services (PDS)

3000 Rockefeller Avenue, M/S 604, Everett, WA 98201 (425) 388-3311



LOW IMPACT DEVELOPMENT (LID) SUPPLEMENTAL

	PDS Use	Only
Project File Number 06-1	31051	Date Received 9 - 1 - 06
Project Manager (Planner)		
Transportation Reviewer (TDR)		
Project Name: Clearwater Com	imons	
Requestor: Mark Buehrer, PE / Juli	et Thompson, EIT	Firm: 2020 Engineering
Phone: (360) 671-2020 Em	nail: mark@2020eng	glneering.com
Address: 700 Dupont St., PO Bo	ox 9621 Bellingham,	, WA 98227
Describe the LID technique to	be used that requi	res the modification:
permeable pavements in Section concrete the flowpath of the impeln a roadway limited on either side	n 7.1.2 specifies that ervious area shall no de by wetlands, it is p	Technical Guidance Manual (TGM) for a lift impervious areas are adjacent to porous but be greater than the length of porous concrete, proposed to use a modified porous sidewalk in diffication to porous pavement design is
Check if DOE Credits are requ	ested 🛚	
Check the proposed LID techn	lques and features	s to be used for your development :
☑ Green Roofs☑ Pervious Paving☑ Pin Piles	⊠ Rain Garde ⊠ Soil Amend ⊠ Tree Retent	dments

○ Other: Pervious walkways and patios

Describe the proposed LID design:

It is proposed to use a pervious concrete sidewalk to treat and infiltrate the roadway runoff from 194th St. SE. This modification of the porous concrete design adds understorage and composted soil to minimize clogging of the pervious concrete and to ensure that all flows are captured and adequately treated. A detail of the sidewalk design is attached. The calculations showing the WWHM2 results are also included.

PFN: 06 131051 000 00 PA Chad Port Received - 09/01/2008

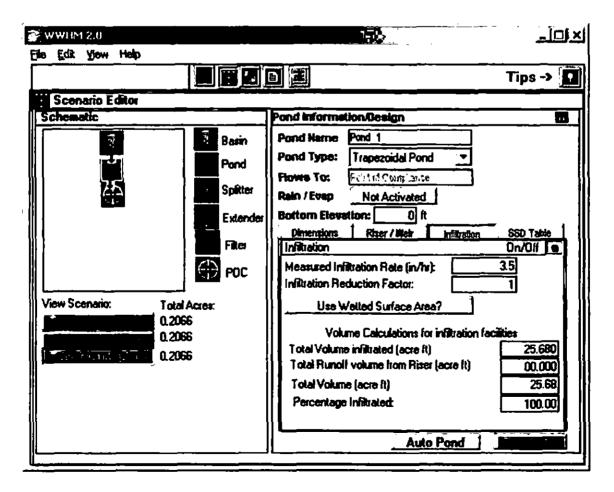
For this design the sidewalk was modeled as an infiltration pond with a length equivalent to the improved roadway length, a width of 5 ft, and a depth equivalent to the gravel depth multiplied by void space percentage of the gravel. The pre-existing condition was modeled as forest.

Since this site development proposes to add no new impervious area to the private development, the only new impervious area will be for the roadway improvements to 194th St. SE. The existing impervious asphalt road surface averages 15 feet wide, with a length of approximately 500 ft. located on private property (on-site). To maintain a low-impact development approach to the project and to minimize the impact to surrounding critical areas and neighborhoods, the road is proposed to be widened to only 18 feet (See Deviation from EDDS – 194th St. SE width), and the sidewalk designed to a 5 foot width.

The widening of 194th St. SE along the length of the property will add 1500 square feet of new impervious surface. This is under the threshold of a major development, and as such, the water quality treatment and detention requirements only apply to the new impervious surface created.

If the entire roadway is treated by the porous concrete sidewalk, the sidewalk must be capable of infiltrating 9000 sf or 0.21 acres of impervious area. The sidewalk was modeled for both the existing and the addition of new impervious roadway surface, and with the addition of the gravel, is capable of infiltrating and providing treatment to the entire roadway.

This screen from WWHM shows that 100% of the flow from the impervious area was infiltrated.



WESTERN WASHINGTON HYDROLOGY MODEL V2 PROJECT REPORT

Project Name: Sidewalk-allroadway

Site Address:

City : Bothell
Report Date : 8/23/2006
Gage : Everett
Data Start : 1948

Data Start : 1948
Data End : 1997
Precip Scale: 1.00

PREDEVELOPED LAND USE

Basin : Basin 1

Flows To : Point of Compliance

GroundWater: No

Land Use Acres
TILL FOREST: 0.2066

DEVELOPED LAND USE
Basin : Basin 1
Flows To : Pond 1
GroundWater: No

Land Use Acres
IMPERVIOUS: 0.2066

RCHRES (POND) INFORMATION

Pond Name: Pond 1
Pond Type: Trapezoidal Pond
Pond Flows to: Point of Compliance
Pond Rain / Evap is not activated.

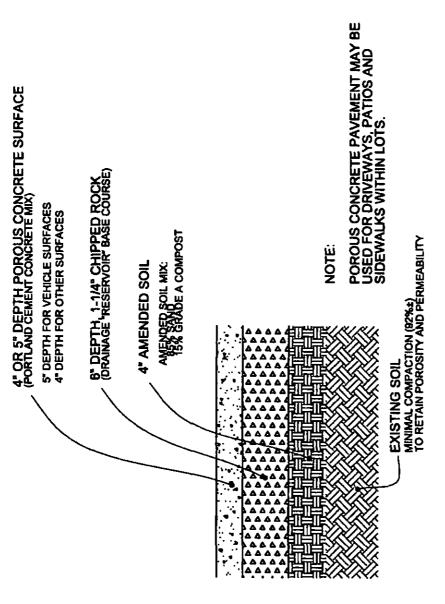
Dimensions

Depth: 0.2ft.
Bottom Length: 500ft.
Bottom Width: 5ft.
Side slope 1: 0 To 1
Side slope 2: 0 To 1
Side slope 3: 0 To 1
Side slope 4: 0 To 1

Volume at Riser Head: 0.011 acre-ft.

Discharge Structure Riser Height: 0.2 ft. Riser Diameter: 10000 in.

CLEARWATER COMMONS



TYPICAL POROUS CONCRETE SECTION





Aaron Reardon
County Executive

(425) 388-3311 FAX (425) 388-3872 October 24, 2007

M/S #604 3000 Rockefeller Avenue Everett, WA 98201-4046

Mark Buehrer, P.E. 2020 Engineering 700 Dupont St. PO Box 1621 Bellingham, WA 98227

RE:

Clearwater Commons - PFN 06131051

Request for 2004 EDDS Deviation – EDDS 3-04, Standard Drawing 3-065

Dear Mr. Buehrer:

The Department of Public Works received your request on September 24, 2007, for a deviation to widen the substandard road section of 194th Street SE to 20 feet. Your request to widen the road to 20 feet of pavement with 1 foot gravel shoulders on each side is conditionally approved.

Discussions were held with the County Engineer on October 22, 2007 and the decision was once again made that the road section of 194th Street SE will be no less than 20 feet of pavement. The 20 feet of improvement will provide for the minimum road surface to provide basic emergency services.

Frontage Improvements

In the portion of the road that is pinched by the wetlands, the planter strip may be eliminated provided a 5 foot sidewalk is installed adjacent to the curb. In the portion of the road that is not pinched by the wetlands, a planter strip will be required between the curb and the sidewalk. A 4 foot sidewalk is approved in this section unless a pervious sidewalk is installed, then a 5 foot sidewalk will be required. A 1 foot area of right-of-way will be required between the sidewalk and the right-of-way edge of the right-of-way.

If you have any questions concerning this issue please call Norm Stone at (425) 388-3488, extension 4599.

Sincerely,

Ken Crossman, P.E. Interim Supervisor IV

cc: File

FILE COPY

T:\TES\LANDUSE\EDDS Deviations\Deviation Requests\06 PFN Dev. Request\06-131051 approve 4 foot sdwk.doc



Aaron Reardon
County Executive

(425) 388-3311 FAX (425) 388-3872 October 25, 2007

M/S #604 3000 Rockefeller Avenue Everett, WA 98201-4046

Mark Buehrer, P.E. 2020 Engineering 700 Dupont St. PO Box 1621 Bellingham, WA 98227

RE:

Clearwater Commons - PFN 06131051

Request for 2004 EDDS Deviation – EDDS 3-04, Standard Drawing 3-065

Dear Mr. Buehrer:

The Department of Public Works received a deviation request on April 3, 2007, for a deviation to not construct any frontage improvements along the development's 80 feet of frontage along 196th Street SE. Since the westerly 60 feet of frontage is actually in North Creek and adjacent wetlands; improvements would be difficult at best.

The County Engineer approved the deviation on April 16, 2007.

On September 24, 2007 Public Works received the same, slightly modified, request to not construct frontage improvements along 196th Street SE stating that approximately 30 feet of length would be in the creek itself. Since the previous deviation was already approved, the current deviation request was not addressed.

If you have any questions concerning this issue please call Norm Stone at (425) 388-3488, extension 4599.

Sincerely,

Ken Crossman, P.E. Interim Supervisor IV

Enclosure;

Previous deviation letter

cc:

File



Aaron Reardon
County Executive

(425) 388-3311 FAX (425) 388-3872

April 23, 200&7

M/S #604 3000 Rockefeller Avenue Everett, WA 98201-4046

Mark Buehrer, P.E. 2020 Engineering 700 Dupont St. PO Box 1621 Bellingham, WA 98227

RE:

Clearwater Commons - PFN 06131051

Request for 2004 EDDS Deviation - EDDS 3-04, Standard Drawing 3-065

Dear Mr. Buehrer:

The Department of Public Works received your request on April 3, 2007, for a deviation to not construct any frontage improvements along the development's 80 feet of frontage along 196th Street SE. Since the westerly 60 feet of frontage is actually in North Creek and adjacent wetlands; improvements would be difficult at best.

The County Engineer approved the deviation on April 16, 2007.

If you have any questions concerning this issue please call Norm Stone at (425) 388-3488, extension 4599.

Sincerely,

Ken Crossman, P.E. Interim Supervisor IV

cc: File

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3000 Rockefeller Avenue, M/S 604, Everett, WA 98201 (425) 388-3311

No R/W edgecant to sidewalk

	PDS Use Only	
Project File Number		Date Received
Project Manager (Planner)		
Transportation Reviewer (TDR)		
	-	



LOW IMPACT DEVELOPMENT (LID) DEVIATION FROM ENGINEERING DESIGN & DEVELOPMENT STANDARDS (EDDS)

ROAD WIDTH and FRONTAGE IMPROVEMENTS - 194TH ST. SE

06 13 1051

Instructions:

Attach copies of the EDDS section(s) and/or drawings for which a deviation is requested. Include documentation such as drainage calculations, other engineering data and drawings, which will verify and substantiate the request. Engineering elements not meeting the required standards may require submitted by an engineer licensed in the State of Washington.

Submit 3 complete sets of copies of the request and documentation to: PDS CSC 2nd floor, Admin East, 3000 Rockefeller Ave, Everett, WA 98201. ONE DEVIATION PER FORM.

Project Name: Clearwater Commons - Offsite Development of 194th St. SE

Requestor: Mark Buehrer, PE

Firm: 2020 Engineering

Phone: (360) 671-2020 **Email:** mark@2020engineering.com

Address: 700 Dupont St. PO Box 1621

City, Zip: Bellingham, Washington 98227

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Check EDDS edition: 1992 2003 2004 Revision

SEP 24 2007

Chapter/Section: EDDS 3-04 Standard Drawing: 3-065

PDS LANDUSE / RECORDS

Describe the EDDS standard to be deviated from:

Standard Drawing 3-065 (Road Standards – Urban Non-Arterials).

Standard Drawing 3-065 identifies detailed design elements for design speed, pavement width, travel lane dimensions, planter width, sidewalk width, and R/W width.

LID Deviation from EDDS

Page 1 of 6

March 2007

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- A. Road Width: The EDDS standard to be deviated from is the road width requirement for 194th St. SE. The community association of the Clearwater Commons development proposes to reduce the road width to a 20 ft asphalt concrete pavement. The road classification for 194th St. SE is Residential (ADT 1 1000).
- **B. Frontage Improvements:** The EDDS standard to be deviated from is the width of the planter and sidewalk for a section of the frontage improvements to 194th St. SE.
 - 1. It is proposed to construct a sidewalk of 4 feet in width in the area in front of the Clearwater Commons entrance as shown in Figure 1, Frontage Improvements.
 - 2. It is proposed to eliminate the planting strip in a section of road that is pinched by wetlands on both sides as shown in Figure 1, Frontage Improvements
- C. 1 foot separation between sidewalk and R/W line: That the standard 1 foot separation between sidewalk and R/W line be eliminated.

Justification: A Request for Deviation to Standard Drawing EDDS 3-065 regarding travel lane width and frontage improvements of 194th St. SE is justified for three purposes:

1. To avoid or minimize fill to Class 3 wetlands on both sides of the improved roadway.

The sidewalk – roadway configuration has been designed to minimize impacts to wetlands on either side of the roadway. North Creek is a federally protected Chinook spawning stream and these wetlands need to be preserved to support habitat protection. Protecting this direct link to a protected stream comidor is a unique and critical reason to reduce impervious surfaces and promote low impact development. Reducing road widths and sidewalk widths is key to minimizing impervious areas intruding into the wetlands.

2. To design a roadway that corresponds with the Low Impact and pedestrian oriented focus of the development.

Research has demonstrated that narrower roads are safer (traffic calming) and are critical to reduce impervious surfaces. 194th is not a through street, it dead ends at North Creek and does not connect to an adjacent street across the Bothell-Everett Highway. The proposed Clearwater Commons 15 unit development will make extensive use of Low Impact Development techniques including: no new effective impervious surfaces; less than 5,000 ft of new impervious surface; and, limited vehicle access – a central parking area at 194th St. SE with pedestrian only access beyond.

3. To demonstrate the values and aesthetics of Low Impact designs.

The Clearwater Commons community association wants to create a signature component at the street entrance to their community by establishing a planting strip and sidewalk element that reflects the character of the Co-Housing community and their commitment to LID.

The sidewalk will be reduced to 4' at locations to minimize impervious surfaces while maintaining required pedestrian access. The project is also proposing that the planting strips be at street level and that they be raingardens with low-maintenance plants used to disperse and treat stormwater. The planting area in front of the Clearwater Commons entrance will be maintained by the community association. Plant selection will be such that the height of the plants will not affect the sight triangles required at the parking entrance.

Note: The checked boxes below refer to the development of 194th St. SE and not the Clearwater Commons Site. Pervious Paving: Soil Amendments: Raingardens: Green roofs: Pin Piles: Road Widths: Modern Pervious Driveways and Patios

Describe the proposed LID design:

Check the proposed LID techniques and features to be used:

A. Road Width: Per Owen Carter email dated 4/25/07, the following LID road section has been revised to meet Public Works requirement for safety along 194th St. SE. The road width will provide a 20 ft area of asphalt concrete paving (ACP) with 1 foot wide gravel aprons (shown as wedge of crushed surfacing top course on Figure 3) on either side of the road. The crushed gravel apron will provide an engineered surface which will protect the edge of the ACP and will also support the LID design by transfering runoff into the vegetated raingardens.

194th Street SE will be widened as necessary to provide 20 ft of ACP with crushed gravel aprons from the parcel's western boundary to the entrance of the North Creek Mobile Manor Park. The existing roadway varies from 13 to 15 feet in width. Per Owen Carter email dated 5/11/07, the pavement widening will include saw cutting the existing pavement edge. Edges will be heated and tacked with CSS-1 sealer, and sealed with AR4000 and sand. The saw cut will be 1 foot minimum inside the existing edge of pavement. A four foot wide minimum paved section will be constructed parallel to the existing roadway.

- **B. Frontage Improvements:** Sidewalk and frontage improvements are provided to enhance the functions and values of low impact developments.
 - 1. Per preliminary approval from Owen Carter and Norm Stone at our 4/24/07 meeting at Snohomish County, it is proposed to construct a concrete sidewalk of 4 feet in width in the area in front of the Clearwater Commons. The 5 foot planting strip/raingarden with low-maintenance native plants will be installed at street grade (no curb and gutter) and shall be engineered to accommodate sheet runoff from the street and sidewalk.
 - 2. Per Peter Beckford email dated 5/16/07 the following road section was designed to meet minimum County requirements. Through the section of 194th St. SE which is bounded by wetlands on both sides the planting strip shall be eliminated and a curb and gutter shall be installed on the South side of 194th to convey runoff to the planterstrip/raingardens to the west. A curb and gutter will also be installed on the North side of 194th were adjacent to the wetlands with a minimum 2 foot "clear zone" beyond the face of the curb.
- C. One foot separation between sidewalk and R/W line: Per preliminary approval from Owen Carter at our 4/24/07 meeting, the Clearwater Commons is requesting that the Right of Way line be 33 feet in width and adjacent to the concrete sidewalk in the area near the parking area. This is three feet more than the existing Right of Way and provides more than one half of a required 60' Right of Way should the adjacent property to the North be developed. The Right of Way shall widen to 40' in the area where the road shifts to the South and the sidewalk widens to 5 feet.

Justification for LID deviation:

1. Describe how this design meets the approved standard:

The design follows the example of several projects that have used narrower road widths for traffic calming, and to reduce the quantities of impervious surfaces that contribute to stormwater pollution. The raingardens have also been used on several projects to provide onsite stormwater management. The reference used for the design is the Low Impact Development Technical Guidance Manual for Puget Sound, approved by Snohomish County for Low Impact Development design. The 4 foot section of sidewalk meets the WSDOT designation for a trail, and meets ADA width requirements.

2. Describe how traffic safety and operations will not be adversely affected by this LID deviation:

The proposed narrower road width will encourage drivers to maintain the posted 25 mph speed limit as they travel 194th St. SE. The 20 feet of drivable surface is the width required for emergency vehicles to pass safely.

The community plans to install "No Parking" signs in the vicinity of the entrance, and to request that visitor's park in the parking lot at the entrance to the development. To offset the elimination of onstreet parking, the entrance has been designed with a curb radius that will accommodate delivery trucks, in accordance with the zoning.

The proposed narrower 4' wide sidewalk section will be separated from the roadway by a planter strip. In areas where the wetland is directly adjacent to the frontage improvements, the planter section will be eliminated and a curb and gutter with raised sidewalk shall be installed to provide pedestrian safety. This will provide a clear separation between the road and sidewalk while also minimizing the impacts of the frontage improvements on the adjacent wetlands to the North and South. Pedestrian safety will be enhanced by the slower travel speeds due to the narrower road width of 20 feet.

Maintenance for the sidewalk will be the same as regular frontage maintenance. The plantings and the stormwater treatment function of the raingarden will be maintained by the Clearwater Commons community.

3. Describe how the LID deviation will not adversely affect maintenance and associated costs:

The reduced road width will require less maintenance time. The Clearwater Commons development is unlike a standard residential development and is a departure from traditional subdivision design. The site design emphasizes pedestrian walkways and centralized parking over individual garages with parking in driveways and on the street. In keeping with the community's

desire to de-emphasize automobile usage, a low-maintenance, lower profile streetscape leading into the community will more closely match the character and intent of the low-impact design of the site.

The street maintenance would more closely match the practices used for rural roadways, since there is no curb separating the roadway from the adjacent planting strip along most sections of the road. Low Impact Development practices use plantings and low-volume distributed measures to disperse and treat stormwater. This requires an approach to maintenance that is different from standard urban road and stormwater facilities with their associated curbs, gutters, catchbasins, and centralized stormwater facilities.

The streetscape for 194th St. SE will require periodic (annual) Vac-Truck maintenance of the asphalt roadway. Plantings along 194th St. SE are designed to be low maintenance, and may require annual maintenance in the form of soil refreshment (addition of compost raked into the top 3" of soil), and re-planting and/or trimming of landscape plants. The Clearwater Commons will maintain the planting areas along 194th Steet in order to provide the aesthetic and low impact benefits the community is attempting to create.

4. Describe how the aesthetic appearance will be maintained:

It is recommended that low-maintenance native plantings with low water needs (xeriscaping) be used in the adjacent planting strip so that the aesthetic appearance will be easy to maintain. The community will maintain the plantings along the right of way adjacent to the Clearwater Commons development.

This page to be comple	ted by Public Works Staff: ANALYSIS OF JUSTIFICATION	N FOR EDGE DEVIATION
☐ Conformance to ex	,	N FOR EDDS DEVIATION
Adverse topograp	hy:	
Comparable to or	exceeds EDDS:	· .
☐ Public cost saving	s:	
Improved safety:		
☐ Maintainability:		
Aesthetics:	·	
Other:	·.	•
Staff recommenda	tion:	
☐ Approve Basis:	☐ Deny	
Project Name:	PFN:	EDDS Section #
☐ Fire Marsh ☐ Drainage F	require review by other departm al Review attached. Review attached. riew attached.	ents as applicable.
Final Public Work	s Decision:	
APPROVED County Engineer:	DENIED Owen B. Cartes, B.E.	Date: 10/22/07
Attach a conv of the le	Owen B. Carter, P.E.	

CC

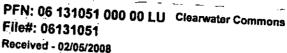
a copy of the letter of notification
PDS Project File
PDS Traffic/Drainage Engineering File
EDDS Deviation Request File

3000 Rockefeller Avenue, M/S 604, Everett, WA 98201 (425) 388-3311

RECEIVED

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LAND USE / RECORDS	- A Transport and series total CONT CAT (98)
	PDS Use Only
Project File Number	Date Received
Project Manager (Planner)	
Transportation Reviewer (TDR)	



LOW IMPACT DEVELOPMENT (LID) **DEVIATION FROM ENGINEERING DESIGN &** DEVELOPMENT STANDARDS (EDDS)

FRONTAGE IMPROVEMENTS RAINGARDEN STRIPS FOR STORMWATER RUNOFF - 194TH ST. SE

Attach copies of the EDDS section(s) and/or drawings for which a deviation is requested. Include documentation such as drainage calculations, other engineering data and drawings, which will verify and substantiate the request. Engineering elements not meeting the required standards may require submittel by an engineer licensed in the State of Washington.

Submit 3 complete sets of copies of the request and documentation to: PDS CSC 2nd floor, Admin East, 3000 Rockefeller Ave. Everett, WA 98201. ONE DEVIATION PER FORM.

Project Name: Clearwater Commons - Offsite Development of 194th St. SE

Requestor: Mark Bughrer, PE, Jenifer Ramsey, PE

Firm: 2020 Engineering

Email: mark@2020engineering.com Phone: (360) 671-2020

Address: 700 Dupont St. PO Box 1621

City, Zip: Bellingham, Washington 98227

Check EDDS edition: 1992 2003 2004 Revision Chapter/Section: EDDS 3-04 Standard Drawing: 3-065

Describe the EDDS standard to be deviated from:

Standard Drawing 3-065 (Road Standards - Urban Non-Arterials).

Standard Drawing 3-065 identifies detailed design elements for design speed, pavement width, roadway, planter, sidewalk, parking and R/W width.

February 200

The EDDS standard to be deviated from is the addition of a raingarden strip for a section of the frontage improvements to 194th St. SE. It is proposed to construct a raingarden strip along two portions of 194th St. SE that will provide treatment and infiltration of stormwater.

The total new impervious surface created by the improvements does not require treatment or detention (less than 5000 sq ft of new surface is being added). However, the addition of the raingarden strip will allow for treatment and infiltration of stormwater that would otherwise enter North Creek.

Check the proposed LID techniques and features to be used:

Note: The checked boxes below refer to the development of 194th St. SE and not the Clearwater Commons Site.

Pervious Paving:	Soil Amendments:	Raingardens:	Green roofs:
Pin Piles:	Tree Retention:	Road Widths:	
Other: Pervious Drive	ways and Patios	·	

Describe the proposed LID design:

A Request for Deviation to Standard Drawing EDDS 3-065 regarding the use of two raingarden strips for the frontage improvements to 194th St. SE in the vicinity of the Clearwater Commons development is requested for two purposes:

1. To provide stormwater treatment and infiltration of roadway runoff.

The use of raingarden strips along 194th St SE will allow all stormwater runoff to be treated and infiltrated into the native soils. The improvements do not require treatment or detention (less than 5000 sq ft of new surface is being added). However, the addition of the raingarden strip will allow for treatment and infiltration of stormwater that would otherwise enter North Creek.

2. To improve aesthetics of the sidewalk and planter

The Clearwater Commons community association wants to add a signature component at the entrance to their community by establishing a planting scheme and sidewalk element that reflects the character of the Co-Housing community.

The raingarden strips will treat stormwater naturally, and will be planted with low-maintenance native plants. The raingarden strips in front of the Clearwater Commons entrance will be maintained by the community association.

Justification for LID deviation:

1. Describe how this design meets the approved standard:

Stormwater Treatment and Detention: The raingarden strips will provide total infiltration of all stormwater from 194th St SE as shown on Figure 1.

The improvement of 194th St. SE can be considered a redevelopment project. A tabulation of the new and existing impervious surfaces applied to the roadway development of 194th St. is shown in Table 4.

Table 1 - Summary of Total Impervious and Pervious Surfaces - Road Improvements 194th St. SE ROW

Condition	Existing	Proposed	LID Credit
	Ac.	Ac.	
Developable Area	0.28	0.28	
Pollution Generating Impervious (PGIS) – 194 th St. SE (whole road section)	0.18	0.21	
Raingardens		0.008	

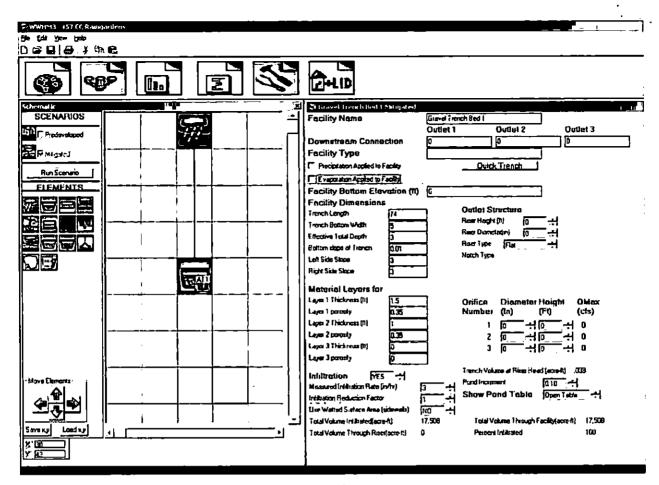
The summary of existing and proposed surfaces for the right-of-way is shown in Table 2.

Table 2 - Summary of Impervious Surfaces for 194th St. SE using LID Credits

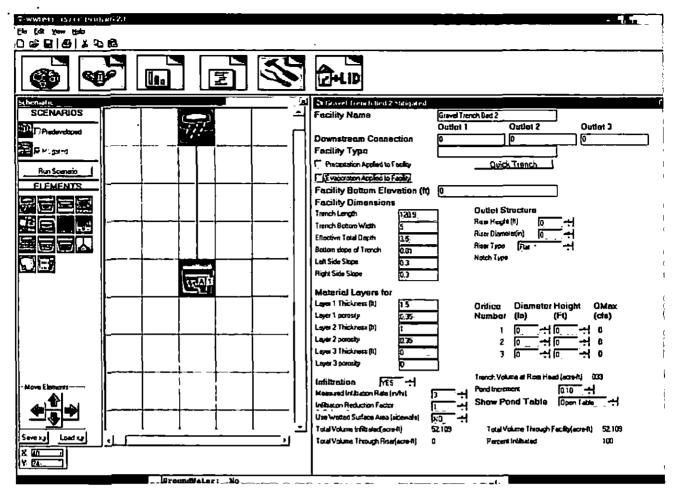
Condition	Existing Areas Sq. Ft.	Proposed Areas Sq. Ft.	Change	Criteria
Impervious Surface	7673	12,263	4590 ft ²	Less than 5000 ft ² of new impervious surface created

The criteria analysis using the flowchart in Volume I page 2-10 of the DOE SWMM indicates that the road-related improvements add 4590 ft² of new impervious surface - less than the 5000 ft² threshold. Minimum Requirements 1 through 5 apply to the road redevelopment of 194th St. SE under the current design criteria.

Stormwater modeling for the raingarden strips shows all stormwater will infiltrate. See Appendix A for an analysis of the soils at the site.



Infiltration for all stormwater in Basin 1 of 194th St SE.



Infiltration for all stormwater in Basin 2 of 194th St SE.

The full stormwater analysis for each of these raingardens is attached to this document, as well as infiltration data supporting the infiltration rates used in the analysis.

2. Describe how traffic safety and operations will not be adversely affected by this LID deviation:

The proposed raingarden strip section will be separated from the roadway and function similar to a bioswale. The slopes of the raingarden strip are 3 to 1, gentle enough to prevent pedestrians from falling into the raingarden.

3. Describe how the LID deviation will not adversely affect maintenance and associated costs:

The raingarden will be maintained by the Clearwater Commons homeowner's association. Maintenance for the raingardens requires in general the same maintenance procedures as required for bioswales, planter strips and catch basins. Large debris should be removed from the raingarden and sediment should not be allowed to accumulate. Any pipelines connected to the raingarden should be checked for plugging.

Additional maintenance is to check on the plantings to make sure they are healthy and thriving, as well as perform some weeding tasks to prevent the total overgrowth of weeds in the raingarden.

LID Deviation from EDDS Page 7/7 February 2008

4.	Describe	how the	aesthetic a	ppearance	will be	maintained
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It is recommended that low-maintenance plantings appropriate for use with raingardens be used in so that the aesthetic appearance will be easy to maintain. Along the right of way adjacent to the Clearwater Commons development, the community will maintain the plantings along 194th St. SE.

ANALYSIS OF JUSTIFICATION FOR EDDS DEVIATION: ☐ DOE Credits: ☐ Conformance to existing standard: ☐ Adverse Topography: ☐ Comparable to or exceeds Standards: Public cost savings: ☐ Improved Safety: Maintainability: Aesthetics: ■ Water Quality: Other: Somewhat changed from that previously approved. ☐ Staff Recommendations: Now reingorden in Plw Basis: PFN: 06 131051 **Project Name:** EDDS Section # 3-065 Certain projects may require review by other departments as applicable. Fire Marshal Review attached. Drainage Review attached. Traffic Review attached. FINAL DECISION: APPROVED Date: 3/10/08 Chief Engineering Officer: Attach a copy of the letter of notification Project File

Page 7/7

LID Deviation from EDDS

February 2008

This page to be completed by Planning and Development Services Staff



ENVIRONMENTAL HEALTH DIVISION

3020 Rucker Avenue, Suite 104 Everett, WA 98201-3900 425.339.5250 FAX: 425.339.5254 Deat/Hard of Hearing: 425.339.5252 (TTY)

Date:

March 17, 2008

To:

Darryl Eastin

Planning/Community Development

Snohomish County

From:

Brent Raasina, R.S., Senior Sanitarian

Water & Wastewater Section Environmental Health Division Snohomish Health District

Subject:

Request for Review - File #06-131051 LU

Administrative Site Plan of Clearwater Commons (Chad Port)

Property Tax Acct. Number: 270518 004 01300

Snohomish Health District has no objections to administrative site plan subject to sanitary sewers and approved public water provided by Alderwood Water & Wastewater District.

Snohomish Health District records indicate that the existing development on the site utilizes onsite sewage disposal facilities. The Health District recommendation for preliminary plat is with the understanding that the existing onsite sewage system(s) will be abandoned by having the septic tank(s) pumped by a certified pumper, then having the top of the tank removed or destroyed and filling the void (WAC 246-272A-0300). Documentation demonstrating completion of this work must be submitted prior to final plat approval.

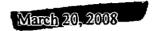
BR/ss

cc: Chad Port



Aaron Reardon
County Executive

(425) 388-3311 FAX (425) 388-3872 M/S #604 3000 Rockefeller Avenue Everett, WA 98201-4046



Mark Buehrer, P.E. 2020 Engineering 700 Dupont St. PO Box 1621 Bellingham, WA 98227

RE:

Clearwater Commons - PFN 06131051

Request for 2004 EDDS Deviation - EDDS 3-04, Standard Drawing 3-065

Dear Mr. Buelirer:

The Department of Public Works received your request on February 20, 2008, for a deviation to allow for the addition of a raingarden strip for a section of the frontage improvements to 194th Ave SE.

This deviation request was approved by the County Engineer on March 10, 2008. A 4 foot sidewalk is approved separated from the driving surface by the raingarden. A 5 foot sidewalk will be required along the portion of the frontage improvements where the sidewalk in not separated by the raingarden. A 1 foot area of right-of-way will be required between the sidewalk and the edge of the right-of-way.

If you have any questions concerning this issue please call Norm Stone at (425) 388-3488, extension 4599.

Sincerely,

Ken Crossman, P.E. Interim Supervisor IV

cc:

File

CONVENIENCE COPY

3000 Rockefeller Avenue, M/S 604, Everett, WA 98201 (425) 388-3311

RECEIVED

FEB 13 2008

PFN: 06 131051 000 00 LU Clearwater Commons

File#: 06131051



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Project File Number		Date Received
Project Manager (Planner)	·	
Transportation Reviewer (TDR)		
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LOW IMPACT DEVELOPMENT (LID) DEVIATION FROM ENGINEERING DESIGN & DEVELOPMENT STANDARDS (EDDS)

FRONTAGE IMPROVEMENTS RAINGARDEN STRIPS FOR STORMWATER RUNOFF – 194TH ST. SE

Instructions:

Attach copies of the EDDS section(s) and/or drawings for which a deviation is requested. Include documentation such as drainage calculations, other engineering data and drawings, which will verify and substantiate the request. Engineering elements not meeting the required standards may require submitted by an engineer licensed in the State of Washington.

Submit 3 complete sets of copies of the request and documentation to: PDS CSC 2nd floor, Admin East, 3000 Rockefeller Ave, Everett, WA 98201. ONE DEVIATION PER FORM.

Project Name: Clearwater Commons - Offsite Development of 194th St. SE

Requestor: Mark Buehrer, PE, Jenifer Ramsey, PE

Firm: 2020 Engineering

Phone: (360) 671-2020 **Email:** mark@2020engineering.com

Address: 700 Dupont St. PO Box 1621

City, Zip: Bellingham, Washington 98227

Check EDDS edition: 1992 2003 2004 Revision.

Chapter/Section: EDDS 3-04 Standard Drawing: 3-065

Describe the EDDS standard to be deviated from:

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Standard Drawing 3-065 identifies detailed design elements for design speed, pavement width, roadway, planter, sidewalk, parking and R/W width.

LID Deviation from EDDS Page 7/7 February 2008

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Note: The checked boxes below refer to the development of 194th St. SE and not the Clearwater Commons Site.

Pervious Paving:	Soil Amendments:	Raingardens: 🏻	Green roofs:
Pin Piles:	Tree Retention:	Road Widths:	
Other: Pervious Drive	ways and Patios		

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Raingardens		0.008	

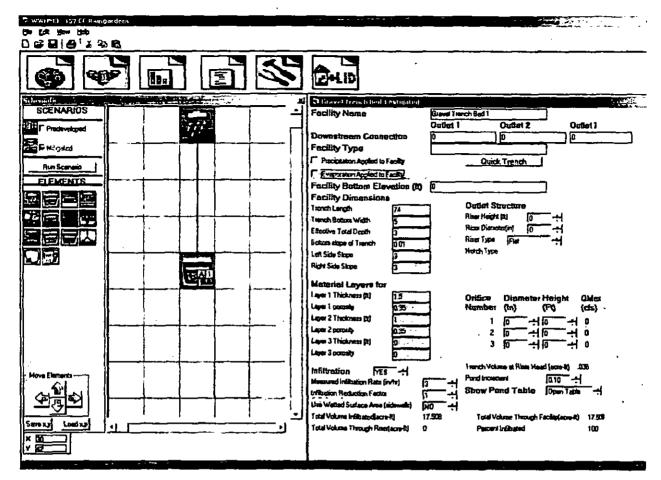
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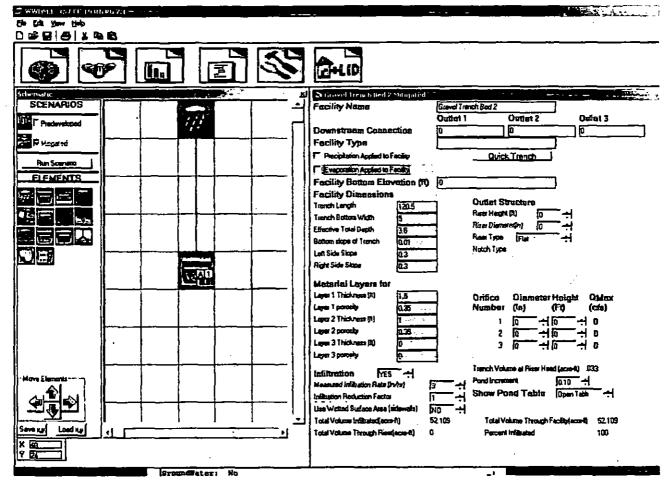
Condition	Existing Areas	Proposed Areas	Change	Criteria
ļ	Sq. Ft.	Sq. Ft.		• •
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The criteria analysis using the flowchart in Volume I page 2-10 of the DOE SWMM indicates that the road-related improvements add 4590 ft² of new impervious surface - less than the 5000 ft² threshold. Minimum Requirements 1 through 5 apply to the road redevelopment of 194th St. SE under the current design criteria.

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Infiltration for all stormwater in Basin 1 of 194th St SE.



Infiltration for all stormwater in Basin 2 of 194th St SE.

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LID Deviation from EDDS

Page 7/7

February 2008

4.	Describe	how the	aesthetic	appearance	will be	maintained:
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ANALYSIS OF JUSTIFICATION FOR EDDS DEVIATION: ☐ DOE Credits: Conformance to existing standard: Adverse Topography: Comparable to or exceeds Standards: Public cost savings: ■ Improved Safety: Maintainability: Aesthetics: ☐ Water Quality: Other: Somewhot changed from that previously approved. How reingriden in P/W ■ Staff Recommendations: Approve □Deny Basis: PFN: 04 131051 EDDS Section # 3 - 0 45 **Project Name:** Certain projects may require review by other departments as applicable. Fire Marshal Review attached. 🗍 Drainage Review attached. Traffic Review attached. DENIED FINAL DECISION: APPROVED Date: 3/10/08 Chief Engineering Officer: Randolph Sleight, P.E, P.L.S. Attach a copy of the letter of notification Project File

Page 7/7

February 2008

This page to be completed by Planning and Development Services Staff

LID Deviation from EDDS







Aaron Reardon County Executive

(425) 388-3311 FAX (425) 388-3872

CORRECTED DETERMINATION OF NONSIGNIFICANCE

M/S #604 3000 Rockefeller Avenue Everett, WA 98201-4046

Local File Number:

06-131051-LU

Project File Name: Clearwater Commons

Applicant:

Chad Port

3630 123rd Street Seattle, WA 98125

Clearwater Commons, LLC, owns a 7.4 acre site in the North **DESCRIPTION OF PROPOSAL:** Creek Basin just north of Bothell in South Snohomish County and proposes to construct 15 single family detached dwelling units. The site lies between 1-405 to the west, and Bothell-Everett Highway to the east between 194th Street SE and 196th Street SE. The site slopes generally from the northeast to the southwest, with slopes from approximately 5% to 15%. The existing road to the site is from 196th Street SE, and is gravel surfaced. This road extends 280 feet into the site and is proposed to be used for occasional materials delivery, but will be maintained as pedestrian access from the site to the Clearwater School and to 196th Street. Clearwater Commons, LLC, was granted a deviation to not install frontage improvements along 196th Street SE. Primary vehicular access to the site is planned from 194th Street SE. It is zoned multi-family residential (MR) and lies within the Urban Growth Area. The Clearwater School (grade school through high school) is directly across from the site along 196th Street SE. The site contains sensitive areas including wetlands (Category A, B and DEF) and North Creck (Type 2 Stream). A total of 4.64 acres of site contains critical areas and buffers that will be permanently protected under the developed proposal in a Native Growth Protection Area (NGPA). Clearwater Commons, LLC, proposes a site plan that will minimize the impact to these sensitive areas through extensive use of Low Impact Development (LID) techniques. Houses have reduced footprints, and are clustered. LID features also include minimizing impervious surfacing, preserving existing vegetation, incorporating amendments into soils to restore and improve localized infiltration, and creating bioretention (raingarden) areas. Water and Sewer is provided by Alderwood Water and Wastewater District.

Mitigation fees are to be paid in accordance with Chapters 30.66A, B, and C, SCC, for project impacts to community parks, nearby road system traffic and to the Everett School District No. 2, and to the Northshore School District No. 417.

An evaluation of the information submitted with the application coupled with an on-site investigation has resulted in a determination that the application complies with Chapter 30.62 SCC (Critical Area Regulations) and is consistent with the purpose and objectives of the chapter in regulation of development activities in critical areas to safeguard the public health, safety and welfare.

Correction: The correction made is to add the proposed number of dwelling units under the "Proposal Description" above. The number of units has not changed from the 15 units proposed at time of issuance of the original Determination of Nonsignificance (DNS) on December 17, 2008. Therefore, there is no need for a new comment and appeal period for the corrected DNS. This corrected DNS was mailed to the WSDOE, agencies listed on the Distribution List and the applicant on February 6, 2009.

Location of Proposal: 1415 196th Street SE, Bothell in Section 18, Township 27 North, Range 5 East, W.M., Snohomish County, Washington.

06-131051-000-00-LU Thursday, February 5, 2009 Page 1

Tax Account Numbers:

270518-004-013-00

270518-004-041-00

Lead Agency: Snohomish County Planning and Development Services

THRESHOLD DETERMINATION:

The lead agency for this proposal has determined that it does not have a probable, significant adverse impact on the environment. An environmental impact statement (EIS) is NOT required under RCW 43.21C.030(2)(c). This decision was made after review by Snohomish County of a completed environmental checklist and other information on file with this agency and such information is adopted herein by reference. This information is available for public review upon request.

This Determination of Nonsignificance is issued under WAC 197-11-340 (2) and is subject to a 14 day comment period. Written comments may be submitted to the lead agency at the address below. Comments must be received by 31 December 2008.

APPEALS:

This DNS may be appealed pursuant to the requirements of Section 30.61.300 SCC and Chapter 2.02 SCC. The fourteen (14) day appeal period commences on the date of publication of notice. Any appeal must be addressed to the County Hearing Examiner, accompanied by a filing fee of \$500.00, and be filed in writing at the Customer Support Center on the 2nd Floor, County Administration Building East, Everett, WA. The appeal must be received by 31 December 2008. The appeal must contain the items set forth in 30.71.050(5) SCC as follows:

- (a) Facts demonstrating that the person is aggrieved by the decision;
- (b) A concise statement identifying each alleged inadequacy in the threshold determination;
- (c) The specific relief requested; and
- (d) Any other information reasonably necessary to make a decision on appeal.

Please note that failure to file a timely and complete appeal including all the above items shall constitute waiver of all rights to an administrative appeal under county code. In addition to the above requirements, SCC 30.61.305(1) also requires that any person filing an appeal of a threshold determination made pursuant to this chapter shall file with the hearing examiner, within seven days of filing the appeal, a sworn affidavit or declaration demonstrating facts and evidence, that, if proven, would demonstrate that the issuance of the threshold determination was clearly erroneous.

Contact Person: Roxanne Pilkenton, Senior Planner

Responsible Official: Craig R. Ladiser, Director

Planning and Development Services

Address: County Administration Building East, 2nd Floor

3000 Rockefeller Avenue, M/S 604

Everett, Washington 98201

Signature

Darryl Eastin for Responsible Official

Date: 2-5-09

VOLUNTARY OFFERS

This threshold determination was reached on the basis of mitigation offered voluntarily by the developer. The voluntary offers submitted were evaluated as part of this threshold determination, and are considered necessary to reduce the overall level of impact below that which is probable, significant and adverse.

DISCLAIMER

The determination that an environmental impact statement does not have to be filed does not mean there will be no adverse environmental impacts. Snohomish County codes governing noise control, land use performance standards, construction and improvement of county roads, off site road improvement obligations, drainage control, fire protection and building practices will provide substantial mitigation of the aforementioned impacts.

The issuance of this Determination of Nonsignificance should not be interpreted as acceptance or approval of this proposal as presented. Snohomish County reserves the right to deny or approve said proposal subject to conditions if it is determined to be in the best interest of the county and/or necessary for the general health, safety and welfare of the public to do so.

DISTRIBUTION LIST

Snohomish County Department of Public Works,

Fire District #7 & #10

Washington State Department of Ecology

Department of Transportation
Department of Fish and Wildlife

Utilities Public Utility District #1 of Snohomish County

Alderwood Water and Wastewater District

Other Agencies Northshore School District No. 417

Snohomish Health District

City of Bothell

Adjacent Property

Owners

Notice of the issuance of this Determination of Nonsignificance has been

mailed to property owners of record within 500 feet of the external

boundaries of this project.

ATTACHMENTS

No attachments with corrected DNS



DEPARTMENT OF THE ARMY

SEATTLE DISTRICT, CORPS OF ENGINEERS P.O. BOX 3755 SEATTLE, WASHINGTON 98124-3755

MAR 2 7 2009

Regulatory Branch

Clearwater Commons, LLC ATTN: Chad Port 3630 123rd Street Seattle, Washington 98125

Reference: NWS-2008-101

Clearwater Commons LLC

Dear Mr. Port:

We have reviewed your application to permanently fill less than 0.01 of an acre of wetland to widen 194th Street Southeast and install a sewer manhole; temporarily fill 0.04 of an acre of wetland to construct 194th Street Southeast and install a sanitary sewer line; and extend an 18-inch concrete culvert in an unnamed stream by 2 feet. The proposed work would occur in wetlands adjacent to North Creek near Bothell, Snohomish County, Washington. Based on the information you provided to us, Nationwide Permit (NWP) 29, Residential Developments (Federal Register, March 12, 2007 Vol. 72, No. 47), authorizes your proposal as depicted on the enclosed drawings, dated January 2, 2008. In order for this NWP authorization to be valid, you must ensure that the work is performed in accordance with the enclosed Nationwide Permit 29, Terms and Conditions and the following special conditions:

- a. You must implement and abide by the ESA requirements and/or agreements set forth in the Habitat Management and Critical Areas Study, dated January 3, 2008, in its entirety. The National Marine Fisheries Service (NMFS) concurred with a finding of "may affect, not likely to adversely affect" based on this document on April 29, 2008 (NMFS Reference Number 2008/02096). The U.S. Fish and Wildlife Service (USFWS) concurred with a finding of "may affect, not likely to adversely affect" based on this document on May 7, 2008 (USFWS Reference Number 13410-2008-I-0260). Both agencies will be informed of this permit issuance. Failure to comply with the commitments made in this document constitutes non-compliance with the ESA and your Corps permit. The USFWS/NMFS is the appropriate authority to determine compliance with ESA.
- b. In order to protect Chinook salmon, steelhead, and bull trout, the permittee may conduct the authorized in-water activities during the period from July 1 through September 30 in any year this permit is valid. The permittee shall not conduct any in-water work authorized by this permit during the period from 1 October through 30 June in any year this permit is valid.

The authorized work complies with the Washington State Department of Ecology's (Ecology) Water Quality Certification and the Coastal Zone Management Act requirements for this NWP. No further coordination with Ecology is required.

We have reviewed your project pursuant to the requirements of the Endangered Species Act (ESA) and the Magnuson-Stevens Fishery Conservation and Management Act in regards to Essential Fish Habitat (EFH). We have determined that this project complies with the requirements of NWP National General Condition regarding ESA and will not adversely affect EFH.

We have completed an approved jurisdictional determination for your project area which can be found on our website at http://www.nws.usace.army.mil/ click on Regulatory, Regulatory/Permits, Recent Jurisdictional Determinations. If you object to this determination, you may request an administrative appeal under our regulations 33 CFR 331 as described in the enclosed Appeal Process Fact Sheet and the Notification of Administrative Appeal Options and Process and Request for Appeal form.

Our verification of this NWP authorization is valid for 2 years from the date of this letter unless the NWP is modified, reissued, or revoked prior to that date. If the authorized work has not been completed by that date, please contact us to discuss the status of your authorization. Failure to comply with all terms and conditions of this NWP verification invalidates this authorization and could result in a violation of Section 404 of the Clean Water Act. Also, you must obtain all State and local permits that apply to this project.

Upon completing the authorized work, you must fill out and return the enclosed Certificate of Compliance with Department of the Army Permit form. Thank you for your cooperation during the permit process. We are interested in your experience with our Regulatory Program and encourage you to complete a customer service survey form. This form and information about our program is available on our website.

If you have any questions about this letter, please contact me at telephone (206) 764-6910 or via email at Jonathan. Smith@usace.army.mil.

Sincerely,

Jonathan Smith, Project Manager

orthon Smith

Regulatory Branch

Enclosures

3000 Rockefeller Ave., MS 604 Everett WA 98201 1-800-562-4367 (425) 386-3311

Snohomish County Planning and Development Services Grading Permit - Commercial

Assessor Property Tax #: 270518-004-013-00 Permit # 06 131051 CG

Ref # 06131051

Site Address: 1415 196TH ST SE BOTHELL 98012

Thomas Guide Page 456 D4

Expires: May 18, 2012

Issued: May 19, 2010

By: scdrar

Type: Commercial Property

Work Proposed: Grading Activity

Permit Description:

APPLICATION EXTENDED UNTIL 3/16/2011

Grading for site preparation and construction approval

Applicant: Chad Port

3630 NE 123rd ST SEATTLE WA 98125 (206) 229-8709 Work

(206) 229-8709 Home

Sec Twn Rng: 18-27-5

16th: 17

Subdiv.; LS 50-06

Zoning: MR

Ref File #: 06131051

R/W Inspector:

Mike McCrorie

Exc. Cu Yds

10

Fill Cu Yds

200

Special Conditions:

25 lb Snow Load Area (Itaylor 9/1/06)

CASP A/F# is 200903050339

Lot:

All site work must comply with Chapter 33 of the Uniform Building Code, Title 17 and Title 24 SCC. All activities determined complete after February 1, 2003, must comply with UDC 30.63 and UDC 30.63b. The permittee must notify the Snohomish County grading inspector twenty-four (24) hours prior to the beginning of the above described work.

Should building be contemplated, all requirements of the Uniform Building Code (as adopted and amended by Snohomish County) shall apply.

The permittee, or his agent, shall notify the grading inspector when the grading operation is ready for final inspection. Final approval shall not be given until all work, including installation of all drainage facilities and their protective devices and all erosion control measures, has been completed in accordance with the final approved grading plans, specifications, attachments and conditions. Copies of the approved plans, specifications, attachments and conditions shall be available on site at all times during construction.

The permittee, successors or assigns, agree to protect Shohomish County and save it harmless from all claims, actions or damages of every kind and description which may occur or be suffered by any person or persons, corporation or property, by reason of the construction, installation, maintenance and use of said earth fill or excavation.

ISSUANCE OF THIS GRADING PERMIT DOES NOT IMPLY APPROVAL OF PERMANENT DRAINAGE DESIGN NOR AUTHORIZE CONSTRUCTION OF WORK WITHIN THE PUBLIC RIGHT-OF-WAY.

The permit shall be posted in an easily visible location on-site at all times during construction.

CALL (425) 388 (NSPECTION -- 24 HOUR ADVANCE NOTIFICATION REQUIRED.

Applicant or Applicant's Representative

3000 Rockefeller Ave., MS 604 Everett, WA 98201 1-800-562-4367 (425) 388-3311

Snohomish County Planning and Development Services

Retaining Wall Permit - Commercial

Assessor Property Tax #: 270518-004-013-00 Permit # 06 131051 002 00 RC

Ref# 06131051

Site Address: 1415 196TH ST SE BOTHELL 98012

Expires: May 19, 2012

Thomas Gulde Page 456 D4

Issued: May 19, 2010

By: scdrar

Type:

Work Proposed: New

Permit Description:

APPLICATION EXTENDED UNTIL 3/16/2011

Construction of a retaining wall along the south side of 194th St. SE

Applicant: Chad Port

3630 NE 123rd ST SEATTLE WA 98125

(206) 229-8709 Work

(206) 229-8709 Home

Occupant: Clearwater Commons LLC

11748 Lakeside AVE NE SEATTLE WA 98125

(425) -Work

(425) -Home

Contact Person: Chad Port

3630 NE 123rd ST SEATTLE WA 98125

(206) 229-8709 Work

(206) 229-8709 Home

Sec Twn Rng: 18-27-5

16th: 17

Lot:

Subdiv.: LS 50-06

Zoning: MR

Ref File #: 06131051

Valuation \$ LDC

R/W Inspector:

20000

slh

Mike McCrorie

25 lb Snow Load Area (Itaylor 9/1/06) Special Conditions:

PROPERTY OWNERS ARE RESPONSIBLE FOR DETERMINING ALL PROPERTY LINE LOCATIONS AND RELATED EASEMENTS.

I certify that I am exempt from the requirements of state contractor's registration under Sec. 3, Chap. 126, Laws of 1967.

I certify that the information fundished by me is true and correct to the best of my knowledge and all work will conform to applicable Snohomish

County Code.

Signature

3000 Rockefeller Avenue, M/S 604, Everett, WA 98201 (425) 388-3311

PDS Use Only				
Project File Number	Date Received			
Project Manager (Planner)				
Transportation Reviewer (TDR)				



LOW IMPACT DEVELOPMENT (LID) DEVIATION FROM ENGINEERING DESIGN & DEVELOPMENT STANDARDS (EDDS)

ROAD WIDTH and FRONTAGE IMPROVEMENTS – 194TH ST. SE

Instructions:

Attach copies of the EDDS section(s) and/or drawings for which a deviation is requested. Include documentation such as drainage calculations, other engineering data and drawings, which will verify and substantiate the request. Engineering elements not meeting the required standards may require submittal by an engineer licensed in the State of Washington.

Submit 3 complete sets of copies of the request and documentation to: PDS CSC 2nd floor, Admin East, 3000 Rockefeller Ave, Everett, WA 98201. ONE DEVIATION PER FORM.

Project Name: Clearwater Commons - Offsite Development of 194th St. SE

Requestor: Mark Buehrer, PE

Firm: 2020 Engineering

Address: 700 Dupont St. PO Box 1621

City, Zip: Bellingham, Washington 98227

Check EDDS edition: 1992 2003 2004 Revision Chapter/Section: EDDS 3-04 Standard Drawing: 3-065

Describe the EDDS standard to be deviated from:

Standard Drawing 3-065 (Road Standards – Urban Non-Arterials).

Standard Drawing 3-065 identifies detailed design elements for design speed, pavement width, travel lane dimensions, planter width, sidewalk width, and R/W width.

LID Deviation from EDDS Page 1 of 6 March 2007