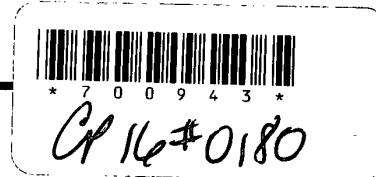


O'Donnell, Mary Beth



From: McCall, Marilee
Sent: Monday, July 14, 2014 9:59 AM
To: 'Amanda Smeller-Woodland'; Snodgrass, Bryan; Eiken, Chad; 'Elizabeth Decker-Consultant'; 'Eric Eisemann-Consultant'; 'Erin Erdmand-Battle Ground'; 'Jeff Sarvis-La Center'; 'Lee Knottnerus-Ridgefield'; 'Mitch Kneipp-Washougal'; James Weldon; 'Phil Bourquin-Camas'; 'Robert Maul-Camas'; 'Sam Crummett-Battle Ground'; Towne, Sandra; 'Sara Fox-Camas'; 'Steve Stuart-Ridgefield'
Cc: Albrecht, Gary; Alvarez, Jose; Anderson, Colete; Euler, Gordon; Hermen, Matt; Kamp, Jacqueline; Lebowsky, Laurie; Niten, Jeff; O'Donnell, Mary Beth; Orjiako, Oliver
Subject: RE: Following up with requested information from 07/11 City-County Coordination Meeting

<http://www.clark.wa.gov/thegrid/>

The memo has been uploaded to the BOCC "Grid" page and is under the July 16 presentation materials for your review.

Thank you!

Marilee McCall

Administrative Assistant | Community Planning
360.397.2280 ext. 4558

From: McCall, Marilee
Sent: Friday, July 11, 2014 4:55 PM
To: Amanda Smeller-Woodland; Snodgrass, Bryan; Eiken, Chad; Elizabeth Decker-Consultant; Eric Eisemann-Consultant; Erin Erdmand-Battle Ground; Jeff Sarvis-La Center; Lee Knottnerus-Ridgefield; Mitch Kneipp-Washougal; James Weldon; Phil Bourquin-Camas; Robert Maul-Camas; Sam Crummett-Battle Ground; Towne, Sandra; Sara Fox-Camas; 'Steve Stuart-Ridgefield'
Cc: Orjiako, Oliver; Euler, Gordon; Anderson, Colete
Subject: FW: Following up with requested information from 07/11 City-County Coordination Meeting

As I feared, the memo is too large and the first transmission failed.
Sending again with all other information.

I'm going to have to send the memo with attachments regarding rural lands in a separate cover, or figure out another way to get it to you on Monday.

Have a great weekend and thanks for your patience.

Marilee McCall

Administrative Assistant | Community Planning
360.397.2280 ext. 4558

From: McCall, Marilee
Sent: Friday, July 11, 2014 4:52 PM

To: Amanda Smeller-Woodland; Snodgrass, Bryan; Eiken, Chad; Elizabeth Decker-Consultant; Eric Eisemann-Consultant; Erin Erdmand-Battle Ground; Jeff Sarvis-La Center; Lee Knottnerus-Ridgefield; Mitch Kneipp-Washougal; James Weldon; Phil Bourquin-Camas; Robert Maul-Camas; Sam Crummett-Battle Ground; Towne, Sandra; Sara Fox-Camas; 'Steve Stuart-Ridgefield'

Cc: Orjiako, Oliver; Euler, Gordon; Anderson, Colete

Subject: Following up with requested information from 07/11 City-County Coordination Meeting

Not sure if this will come through for all of you, as one of the documents is 14MB.
Please feel free to call the office with any questions on any of the documentation.
Also included is the updated version of Issue paper #5.

Thank you,

Marilee McCall | Administrative Assistant
Community Planning | "Planning for Clark County's promising future"
tel: 360.397.2280 ext. 4558 | fax: 360.759.6762
P.O. Box 9810 | Vancouver WA 98666
www.clark.wa.gov/planning

From: Orjiako, Oliver
Sent: Friday, July 11, 2014 1:48 PM
To: McCall, Marilee
Subject: FW: Updated: RE: For infrastructure percent deduction - Comp Plan

Hi Marilee:

Our local city partners requested to see information on infrastructure percent deduction from Eric Golemo. I will also forward to you email letter from James Howsley. The letter should also go to the cities. Please, let me know if you have questions. Expect James Howsley's letter and the resource land designation memo that was included in the Board work session material. Thanks.

Oliver

From: Eric Golemo [<mailto:Egolemo@SGAengineering.com>]
Sent: Thursday, July 10, 2014 11:07 AM
To: 'Mike Odren'; Hsiao, Rosie; 'Don Hardy'; 'James Howsley'; 'Jeff Wriston'; 'Ott Gaither'; 'Steve Bacon'; 'Terry Wollam'; Shafer, Greg; LaRocque, Linnea
Cc: Peter Tuck; Joel Stirling; Orjiako, Oliver
Subject: FW: Updated: RE: For infrastructure percent deduction - Comp Plan

Fellow DEAB members,

During the recent Comp plan update the commissioners asked me and DEAB to provide some info on the infrastructure deduction percentage. Currently 27% is the assumed rate and this has not changed with updated storm ordinances. I have been doing some research with the help of other consultants and wanted to give DEAB a brief update on where we are. I have attached some sample infrastructure percent calculations in soils with fairly low infiltration rates similar to the areas at the fringe of the urban growth Boundary. Some are theoretical examples done by SGA or the county during the previous storm code update. On some, it was assumed LID was feasible, but in low rate soils this may not be the case, or utilizing LID may only compensate for the new LID flow standard. Others are actual projects. These examples do not account for the new LID flow standard. It is assumed this will add cost but not likely take additional area.

With DOE forested standard with low infiltration the infrastructure % on these four example projects are: **39%, 51%, 32%, and 35%**.

We also obtained a few calculations from other consultants.

Sterling Design provided a calculation for Whispering Pines subdivision. Under the old stormwater rules the infrastructure is 31% without the park and 34% with it. Sterling is working on an updated number for the new code. It will likely be significantly higher.

Olson Engineering provided 4 examples in the Battleground area. No exhibits are attached but I am sure they could provide some.

The summary is below:

18 Lot subdivision - 42%

167 lot Subdivision - 25%

117 Lot Subdivision - 32%

26.3Ac Commercial - 34%

The take away so far is that 27% is likely low. 33-35% is likely a more accurate range.

Sincerely,

Eric E. Golemo, PE
Owner / Director of Engineering and Planning
SGA Engineering, PLLC
Civil Engineering / Land Use Planning
Development Services / Landscape Architecture
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