

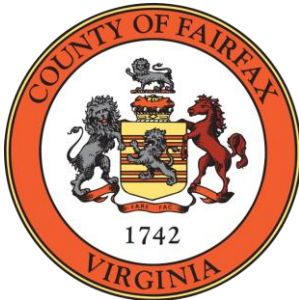
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INSITE

ESI – U.S. Senate Productivity Award Winner for Virginia

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FLEXIBILITY ADDED TO SITE DEVELOPMENT REVIEW

New amendment to the Public Facilities Manual allows administrative waivers of previously mandatory provisions

Recently, the Fairfax County Board of Supervisors approved [an amendment to the Public Facilities Manual \(PFM\)](#) that provides greater flexibility during the site development review process and allows innovative ideas to solve engineering problems without a lengthy legislative process.

Previously, if a provision in the PFM used the words “must” or “shall,” it was a mandatory minimum requirement and could not be waived. Now, if the request meets certain conditions and is not mandated by other law, the Director of Land Development Services can waive these previously mandatory provisions.

In practice, this means that county staff can use their professional judgement when the realities of a development project make it difficult to follow the PFM. This increased flexibility can help shorten the development review process and allows sensible designs to improve the finished product, while still protecting the community and the environment. This change is part of the county’s efforts to return the PFM to its original intent as a guidance document.

To take advantage of this new flexibility, the waiver request must meet the following conditions:

- A strict application of the PFM standard cannot be met for a particular site; or new or creative designs are proposed; and
- Variations meet the intent of the provisions, and the submitting engineer provides an adequate justification and supporting data.

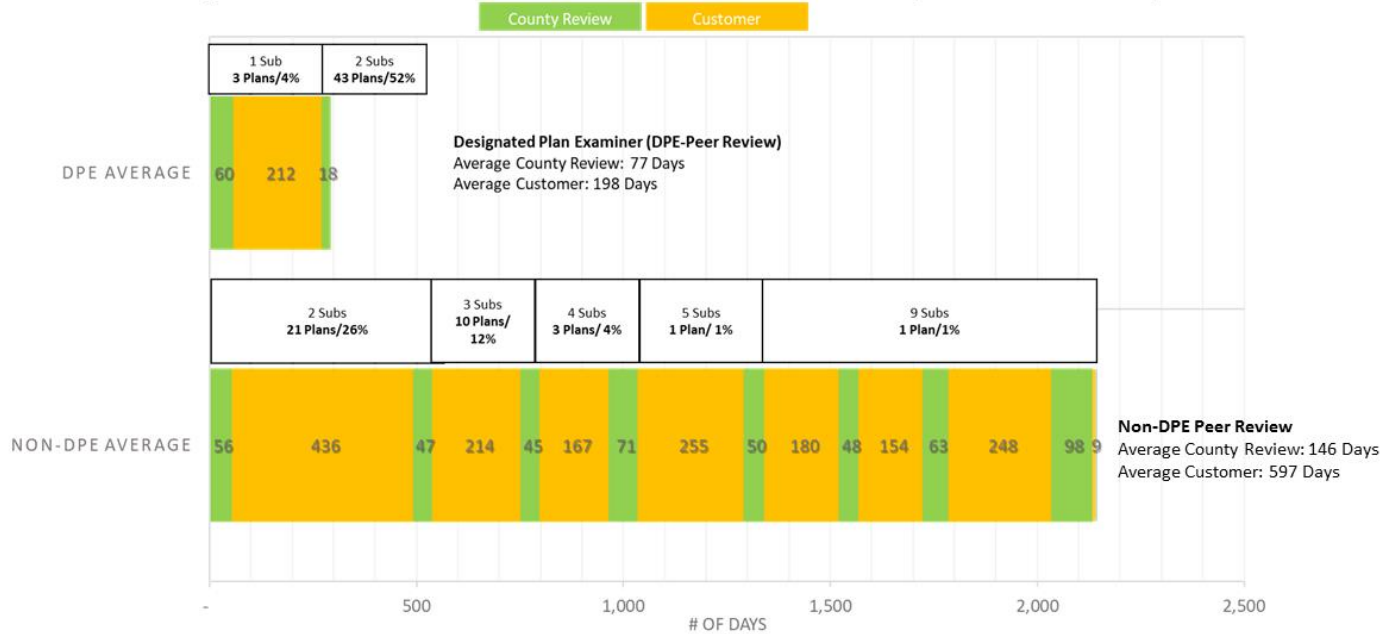
In addition, any waivers or alternative designs must comply with specific requirements of the Virginia Code, County Code, and other applicable regulations, such as specific standards of the Virginia Department of Transportation and other reviewing agencies from which variances may not be granted at the local level.

To take advantage of this new flexibility, customers should use the [current waiver application form](#). More improvements to the PFM are underway through the [PFM Flexibility Project](#).





Expedited Site Plan Review (FY 2017)



ESI CONTINUES TO CONTRIBUTE TO FAIRFAX COUNTY'S LAND DEVELOPMENT PROCESS SUCCESS

In a recent presentation to the Fairfax County Economic Advisory Commission's Implementation Committee, Bill Hicks, Director of Fairfax County Land Development Services, provided a very compelling overview titled "Fairfax County Land Development Time to Market, Using Data to Make Improvements." Among a host of well-researched performance data, Bill's presentation also highlighted the benefits of the Designated Plans Examiner Expedited Plan Processing program. A graphical depiction (shown above) of the comparative public/private processing times between DPE and Non-DPE plans, shows the significant reduction in overall time from submission to bond. In the graphical comparison, a typical two-submission DPE plan receives approval in about one half the time of other two-submission approval, Non-DPE plans. Typically, Non-DPE plans require two or more submissions before approval, extending overall processing to three or more times those of DPE plans.

In an economic environment where time to market is commonly a critical success factor for all involved, the predictability and expediency of using DPEs to design and submit high-quality plans through the

County's Expedited Plan Processing program is paramount. A higher resolution version of this chart can be found on ESI's recently upgraded website under the Fairfax jurisdiction.



PLAN EXCELLENCE AWARDS RECOGNIZE HIGH-QUALITY PLANS FOR FUTURE DEVELOPMENT

The Engineers & Surveyors Institute (ESI) and Fairfax County's Department of Land Development Services (LDS) held the second annual ESI/LDS Plan Excellence Awards on Friday, June 22nd. In that ceremony, three ESI DPE high-quality development plans, which had been submitted to Fairfax County for review, were recognized.

ESI partners with the County in a variety of ways by bringing public and private sector partners together to promote and improve education, collaboration and design plan quality. County review typically is conducted by many different agencies but is coordinated by a plan reviewer in LDS's Site

Development and Inspections Division. Before a permit to disturb land is issued, staff review such items as erosion and sedimentation controls, drainage and water quality provisions, adequate tree cover and landscaping, and other issues affecting the integration of the proposed development into the surrounding environment. The speed and efficiency of this process is a result of a successful partnership between ESI, the applicant and County staff.

The ESI/LDS Plan Excellence Awards highlight plans that were prepared with utmost care and attention to detail, allowing the review process to move quickly to completion. The high-quality plans recognized this year demonstrate the importance of close collaboration between government and the private sector to ensure a bright future for Fairfax County.

The 2018 Winners:

Project: Florence Lane Subdivision (8079-SD-001-1)

Firm: R.C. Fields & Associates

Submitting Engineer: Andrea Spruch



Pictured left to right: Bill Hicks, Kathy Smith, Brian Dofflemyer, Andrea Spruch, Bruce McGranahan, Jeff Blackford

The Florence Lane Subdivision is a four-lot subdivision near a Resource Protection Area (RPA). There were many challenges associated with this plan, but the engineer had a solution-oriented mentality and adequately addressed all the issues. The plan proposes to enhance an area next to the RPA to benefit protection of the environmentally sensitive area.

The first submission of this project's plan was detailed and thorough, exhibiting best practices for a subdivision plan submission. Specifically, detailed information about stormwater mitigation was provided, which often does not appear until the second submission. In addition, the submitting engineer ensured that the details and the

computations were consistent throughout the plan. Her communication, presentation and coordination to the county staff was excellent.

Project: Tall Oaks (9556-SP-003)

Firm: Urban, Ltd.

Submitting Engineer: Clayton Tock



Pictured left to right: Bill Hicks, Kathy Smith, Josh Reynolds, Jorge Cruz, Bruce McGranahan, Jeff Blackford

This plan is the redevelopment of the Tall Oaks Shopping Center in Reston. The new development will have 44 townhouses, 42 two over twos, and two large multifamily buildings that have 35 units each. An existing office/retail building and a quick service restaurant will remain.

The plan was easy to follow, had clear prints and the overall presentation was very clean and understandable. The submitting engineer worked closely and cooperatively with County staff to successfully complete all review comments prior to the resubmission.

Project: Hitt/Hartland (3591-SP-003-2)

Firm: Dewberry

Submitting Engineers: Glen Faunce & Scott Clarke



Pictured left to right: Bill Hicks, Kathy Smith, Janice Cena, Kelsey Farrish, Glen Faunce, Scott Clarke, Bruce McGranahan, Jeff Blackford

This project is for a small office building of approximately 8,600 square feet, which will use various stormwater water quality techniques. The stormwater management devices that were provided

to treat the site development were a Dual-Vortex Separator, PermFilter and Stormcapture. On the first submission of the plan, the stormwater computations and details were comprehensive and had more detail than a typical plan submission. The thorough attention to detail on the initial stormwater design submittal resulted in very few review comments.

ESI HOLDS STRATEGIC VISIONING RETREAT



On Friday, June 1st, ESI conducted an all-day Strategic Visioning Retreat in a conference center at Dulles Corner. Karen Cleveland, President of Leadership Fairfax, facilitated the sessions and enabled all public and private representatives present to engage both in large and small group discussions and discovery.

The group started the day with an examination and discussion of the responses to the Spring 2018 on-line survey sent all ESI members. That discussion was followed by an opportunity for each group member to describe their views of ESI in the past, present and future. Karen then lead the group through a series of small group exercises and report-outs to help them create a vision of ESI in the future, with some high-level strategies arising from those discussions.

A summary report and draft recommendations will be forwarded to the ESI Board for their review, discussion, further follow-up and action in this third quarter 2018. Stay tuned as more is forthcoming on this important topic.



CHANGES IN ESI PAYMENTS FOR FAIRFAX PEER REVIEW SERVICES

ESI is continuing its effort to simplify and standardize processes and member requirements to better enable ESI to serve our members and allow them to more easily interface with us. In order to simplify the billing and reimbursement for peer review services associated with DPE submissions, ESI implemented a salary “cap” for reviews in Fairfax starting the beginning of this year. Implementing this “cap” better aligns ESI’s Fairfax review services and reimbursement across all member jurisdictions. This change is intended to both reduce staff time/cost as well as help expedite payments to our members for peer review.

Our member firms may observe that this reimbursement method may result in more tenured members, who serve as peer reviewers, receiving smaller reimbursements for their service due to the “cap.” While this was not the intent of the change, members are reminded that in 2017, those with ten or more years of DPE experience may opt out of performing peer review. In doing so, less tenured professional members can gain a greater benefit from both the serving and experience of peer review.

Full implementation of this change in reimbursement will be completed beginning July 1, 2018. If you or your firm has been unduly burdened by this change, we invite you to please contact Ella Broughton or Kathy Costello in our office to discuss further.

ESI GENERAL MEMBERSHIP MEETING

ESI held its General Membership Meeting on June 13, 2018, at the ESI Chantilly office. We were honored to have Mr. Joe Kratochvil of the International Association of Fire Chiefs address our members on the significance of the memorial beam, from the twin towers of the World Trade Center, placed in the main lobby of our building. Retired from Fairfax County Fire and Rescue Department, Mr. Kratochvil now works in the Hazardous

Materials Unit of IAFC. A native New Yorker, Mr. Kratochvil was instrumental in assisting various fire departments in New York City following the 9/11 attacks on the World Trade Center.



REMAINING 2018 EDUCATIONAL OPPORTUNITIES

- 1. Professional Development Make-Up Classes:** ESI will offer recorded make-up classes from 9:00am—12:00pm and 1:00—4:00pm on the following dates: July 17, 19 and August 7, 9. A schedule of classes will be posted on our website and sent to members who need additional PD electives. An administrative fee of \$75 per class will be assessed.
- 2. Land Development Engineering Semester 2:** This semester will run each Tuesday from September 4 through November 27 and may be taken prior to Semester 1. The curriculum listing of individual classes may be found on the Education page of the ESI website. Please call ESI staff for further information or to enroll.
- 3. Fundamentals of Land Development in Northern VA:** This intensive 2-day program for new engineers or for employees new to Northern VA will be held on October 3-4, from 9:00am—4:30pm both days. Please call ESI staff to enroll.
- 4. 2018 Policy & Procedure Update Classes:** ESI will offer these classes either live and/or recorded versions online. Further information will be emailed to members and posted on ESI's website when they become available.

Jurisdictional Sequences in the Land Development Engineering Program: Would it be helpful to be certified as a DPE in another jurisdiction? If so, don't miss this once-a-year opportunity to enroll in the jurisdictional courses that supplement the LDE program. All jurisdictional classes will be held in early December at the respective County. Call ESI for details.



A HUGE THANKS TO OUR FOCUS GROUP ATTENDEES!

The Education department is dependent upon the feedback and suggestions made at the end of each class throughout the year's Professional Development Program. With your help, our Focus Group culls that information and brings suggestions from their organizations to help develop the following year's Professional Development Program. ESI wishes to express sincere gratitude to all participants who served on our 2018 Focus Group to help develop the 2019 PD curriculum:

Sue Wolford, Moderator	Matt Koirtyohann
Anwar Maharmeh	Matt Lawrence
Guarionex Adorno	Joe Mancini
Reza Amirhakimi	Hector Martinez
Malak Bahrami	John Matusik
Jeff Blackford	Gary Newlen
Peter Crawford	Stan Orndorff
Reid Dudley	Michael O'Shaughnessy
Jon Erickson	Kinnari Radadiya
Ann Germain	Bijan Sistani
Frank Graziano	Anita Tierney
John Group, IV	Jack Vega
Din Gupta	Durga Kharel
Chuck Henegar	R.J. Keller

Many thanks to this hard-working group for suggesting specific topics and class ideas for possible inclusion in next year's curriculum!





**OUTSTANDING ESI INSTRUCTORS—
SECOND QUARTER**

ESI is pleased to acknowledge the instructors in the second quarter who fulfilled their teaching commitments with excellence. The following individuals gave presentations that were rated “outstanding” by most of their students—a truly outstanding accomplishment!

Land Development Engineering Classes

Dave Dwornik & Kerry Skinner—Geometric Site Layout I & II

Doug Kennedy—Street Design I

Ian Fuze—Tree Conservation: Fairfax County

Don Demetrius, Don Lacquement, Dipmani Kumar—Floodplain Studies & Drainage Outfalls

Tom Fleury—Developers & the Community

Professional Development Classes

Brent Evans—Project Management Basics

Steve Pandish, Kelsey Ryan & Megan Newberger—

SWM/BMP: What Works, Where, & How

Mike Rolband & Frank Graziano—Stream Restoration & Natural Channel Design

Scott Sizer—Introduction to Public/Private Partnership

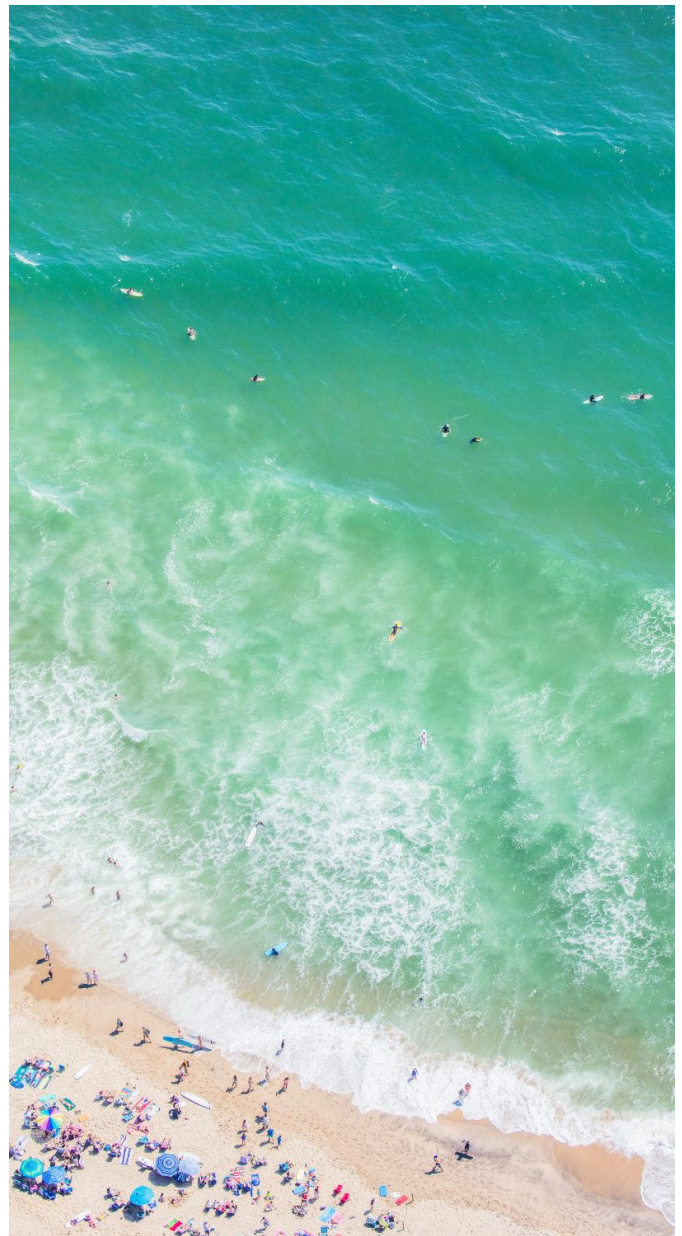
Mark Headly—Introduction to Waters of the U.S. Delineation

Thank you for achieving excellence in the last quarter!

**CONGRATULATIONS TO THE NEW DPE
ELIGIBLES!**

Congratulations to the 2018 class who recently completed ESI’s Land Development Education Program. Having successfully met the Designated Plans Examiner (DPE) education qualifications, the following are now DPE Eligible:

- D. Tyler Cockrell, JCL Consulting
- Michael Gerth, Urban Ltd.
- Shelby Harris, Stantec
- Colleen Monahan, Charles P. Johnson & Assoc.
- Frank Jett, Burgess & Niple, Inc.
- David Jordan, VDOT
- Sean Peiffer, ESI



FAIRFAX COUNTY PLAN REVIEW STATISTICS FOR June 2017 TO May 2018

	2017 June	2017 July	2017 Aug	2017 Sept	2017 Oct	2017 Nov	2017 Dec	2018 Jan	2018 Feb	2018 March	2018 April	2018 May	12 Mth Avg
Total # of Major Plans Reviewed	18	14	17	14	15	17	14	9	9	22	11	11	13.0
% of Total Submitted Plans Acceptable	100%	93%	82%	86%	74%	71%	86%	88%	100%	85%	66%	100%	87%
Total # of DPE Plans Submitted	17	14	16	14	15	16	14	9	8	21	10	9	13.7
% of First Submission Plans Acceptable	100%	86%	100%	100%	67%	100%	90%	100%	100%	100%	100%	100%	95%
% of Second Submission Plans Acceptable	100%	100%	57%	75%	78%	50%	75%	80%	100%	90%	100%	100%	83%
Total # of Non-DPE Plans Submitted	1	N/A*	1	N/A*	N/A*	1	N/A*	N/A*	1	1*	1*	2	1.1
% of First Submission Plans Acceptable	N/A*	N/A*	N/A*	N/A*	N/A*	0%	N/A*	N/A*	100%	N/A*	N/A*	0%	33%
% of Second Submission Plans Acceptable	100%	N/A*	100%	N/A*	N/A*	N/A*	N/A*	N/A*	N/A*	100%	100%	100%	100%
Total # of DPE Plans to Bond	2	3	12	3	4	6	8	4	1	10	3	6	5.1
Total # of non-DPE Plans to Bond	1	2	2	3	2	3	2	2	4	2	4	2	2.4
Avg # Days for DPE Plans to Reach Bond	250	339	278	254	264	228	230	284	250	210	234	333	263
Avg # Days for non-DPE Plans to Reach Bond	212	161	530	443	200	221	314	480	295	503	416	343	371
Avg # of Submissions for DPE Plans to Reach Bond	2.0	2.3	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Avg # of Submissions for non-DPE Plans to Reach Bond	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.0	2.3	3.0	2.3	2.5	2.3

N/A* = No Plans

CLASSES

July

7/17	P508-18: Pedestrian & ADA Access Within the Public ROW	9:00am-12:00pm
7/17	P503-18: Virginia Land Development & the Law	1:00pm-4:00pm
7/19	P511-18: SWM/BMP: What Works, Where & How	9:00am-12:00pm
7/19	P519-18: Urban Construction	1:00pm-4:00pm

August

8/7	P511-18: SWM/BMP: What Works, Where & How	9:00am-12:00pm
8/7	P519-18: Urban Construction	1:00pm-4:00pm
8/9	P514-18: Alternative Energy	9:00am-12:00pm
8/9	P516-18: Intro to Public/Private Partnerships	1:00pm-4:00pm

September

9/4	L201-18: Stormwater Planning	3:30pm-6:30pm
9/11	L202-18: Storm Drainage Design	3:30pm-6:30pm
9/18	L203-18: Stormwater Management - Quantity	3:30pm-6:30pm
9/25	L204-18: Stormwater Management - Quality	3:30pm-6:30pm

EVENTS

July

7/18	Executive Board Meeting	11:30am
7/26	Fairfax Committee Meeting	8:30am

August

8/14	Loudoun Committee Meeting	4:00pm
8/15	Executive Board Meeting	11:30am
8/22	Fairfax Committee Meeting	8:30am

September

9/3	Labor Day	ESI Closed
9/4	Alexandria Committee Meeting	1:00pm
9/5	Leesburg Committee Meeting	9:00am
9/19	Full Board Meeting	10:00am
9/26	Fairfax Committee Meeting	8:30am