



ENGINEERS & SURVEYORS INSTITUTE
Peer Review Checklist
FAIRFAX COUNTY



PUBLIC IMPROVEMENT PLAN

Plan Name: _____ Plan #: _____ District: _____
 Submitting Firm: _____ Project Coordinator: _____
 Designated Plans Examiner #: _____ Name: _____ Phone #: _____
 Review Date: _____ ESI Reviewer: _____ Reviewer's firm: _____

* = Plan non acceptable if any * box is marked w/o explanation on plan or alternate solution noted

LINE	CODE SECTION	REQUIREMENT	SHEET	OK	NO	N/A	FFX
1	OSDS ltr. 03-12	Cover sheet: 2/24/16 edition of cover sheet used			*		
2	PFM 9-0202.2.c	Fire Marshal notes and data filled in					
3	PFM 9-0202.2C(6)	Available fire flow shown					
4	Per Fire Marshal request	Source of fire flow information					
5	PFM 9-0102.	Water Authority notes filled in					
6	OSDS ltr. 03-12	Sheet index filled in					
7	OSDS ltr. 03-12	Plan approval information completed (identification number and sheet number)					
8	OSDS ltr. 03-12	Review fee computation filled in					
9	101-2-4(a)	Engineer's/surveyor's certificate completed with seal and date					
10	112-17-106.3	Vicinity map adequate and to 1"=2000' scale or greater					
11	PFM 8-0201.6	Vicinity map shows walk/trail maintenance responsibility					
12	112-17-106.7	Soil map shown			*		
13	OSDS ltr. 03-12	Soil data, chart filled in			*		
14	OSDS ltr. 03-12	Tax map reference number(s) filled in					
15	OSDS ltr. 03-12	Sanitary treatment plant filled in					
16	OSDS ltr. 03-12	Watershed filled in					
17	PFM 2-0212.19	Owner/developer wetlands certification signed			*		
18	OSDS ltr. 03-12	Submitting engineer's or surveyor's name					
19	OSDS ltr. 03-12	Owner/trustee and corporation/partnership/Individual					
20	OSDS ltr. 03-12	Owners name, address and telephone number					
21	OSDS ltr. 03-12	Developer/contractor, owner/lessee and corporation/partnership/individual					
22	OSDS ltr. 03-12	Developer's address and telephone number					
23	OSDS ltr. 03-12	Project coordinator name					
24	OSDS ltr. 03-12	District name					
25	OSDS ltr. 03-12	Sheet number and total number of sheets					
PUBLIC STREET REQUIREMENTS							
26		Street names shown for existing and proposed street					
27	PFM 7-0404.1	Centerlines shown for existing and proposed streets					
28	PFM 7-0404.1	Centerline stationing shown in plan view for existing & proposed streets					
29	PFM 7-0406.7	Street right of way width shown for existing and proposed plus distance to centerline					
30	PFM 7-0406.7	Street pavement widths shown for existing and proposed streets					
31	PFM 7-0102.2	Construction road frontage improvement to minimum design/safety					
32	VDOT Sub #3.5	Construction of right and left turn lanes and transitions					
33	PFM 7-0101.1	Tie-in of proposed streets with existing streets					
34	VDOT #1.3&1.6E1	Existing right of way dedicated if VDOT frontage not present					
35	PFM 7-0405	Intersection sight distance (horizontal and profile)			*		
36	PFM 7-0404.6	Profile shown for all streets included widening and turn lanes			*		
37	VDOT reqmt.	Posted speed limit shown for existing streets			*		

38	PFM 7-0406.7.B	Street category shown for each new street					
39	PFM 7-0406.7.B	Typical street cross section, design speed and dimensions shown			*		
40	VDOT Sub Tabl 1	Curve data shown to confirm street category in conformance					
41	VDOT Sub Tabl 1	Super-elevation provided where required by category					
42	PFM 7-0107.5	Stop or yield signs at all intersections					
43	PFM 7-0401.1	Handicapped ramps at all curb returns					
44	VDOT	Route number shown for existing state maintained roads					
45	VDOT	Property line, driveways, intersections, curb or edge of pavement provided on both sides of existing roadways provided, including medians					
46	VDOT/ADA	Curb ramp width matches connecting sidewalk/trail					
47	VDOT	VDOT general notes provided (latest version)					
48	VDOT/ADA	Curb ramp spot elevations provided to confirm ramp slopes, gutter pan transitions, etc.					
49	VDOT	Flow arrows provided for each storm pipe					
50	VDOT/ADA	Two curb ramps provided at all curb returns unless pedestrian access undesirable					
51	VDOT/ADA	Curb ramp width matches connecting sidewalk/trail					
52	VDOT/ADA	Curb ramp spot elevations provided to confirm ramp slopes, gutter pan transitions, etc.					
53	VDOT/ADA	At least one curb ramp provided across from new intersections on existing curb and gutter roadways					
54	VDOT	Maintenance responsibility indicated for any SWM/BMP facility located within ROW					
55	VDOT	VDOT general notes provided (latest version)					
56	VDOT	Sight Distance(s) shown on landscape plan					
57	PFM 8-0100	Sidewalks provided along the site's frontage if required					
STREETLIGHTS							
58	PFM 7-1002.5	Show existing and proposed utility poles and streetlights.			*		
59	PFM 7-1005.5B	Nonstandard Streetlights only– Proposed nonstandard streetlights, lighting computations and sealed by Lighting Professional.			*		
SANITARY SEWERS							
60	PFM 10-0104.2.D	Location of utility crossings shown on profile					
61	PFM 10-0102.5.B	Extend sanitary sewer main to lot line of last lot					
62	PFM 10-0102.5.B	Extend sanitary sewer easement to adjoining property line					
63	PFM 10-0102.5.C	Sanitary sewer setback 15' (4.6 m) from all buildings					
64	PFM 10-0102.5.L	Sanitary sewer crossing stream or fill to be DIP					
65	PFM 10-0102.8.D	Sanitary sewer grade not less than 1% to terminal manhole					
66	PFM 10-0104.2.A	Sanitary sewer profiles on same sheet as plan					
67	PFM 10-0104.2.C	Bearings and distances on centerlines, sanitary sewer					
68	PFM 10-0104.5.A	Install sanitary sewer lateral 10' (3 m) minimum beyond property line					
DRAINAGE							
69	PFM 6-0202.3	Honor natural divides with areas and "C" factors shown					
70	PFM 6-0905,1008	Design computations provided for storm sewer system			*		
71	PFM 6-0704.1&2	Flood plain easement provided and reference to flood plain study number					
72	PFM 6-1103.3	Yard inlet 10 year ponding to be within easement					
73	PFM 6-0202.13	Overland relief provided for sump and to clear building					
DRAINAGE OUTFALLS							
74	PFM 6-0203.1	Outfall narrative description with adequacy			*		
75	PFM 6-0201.2	Existing natural incised open channel indicated					
76	PFM 6-0203.1.A.	Cross section, water surface elevation and computations shown for incised channel			*		
77	PFM 6-0203.1.A.	Computations shown for outfall into an existing system			*		
78	PFM 6-0203.1.A.	Existing storm sewer system has adequate capacity					
79	PFM 6-0202.9	Adequate storm drainage outfall exists per PFM					
80	OSDS Itr. 03-01	Priority Rating Form for E&S Control					
81	OSDS Itr. 03-11	Completed, Certified E&S Control Checklist					

82	PFM 11-0104	2 phase plans provided for erosion and sediment control					
83	DEM ltr 94-1	1st phase erosion and sediment plan shows only limit of clearing for installed erosion and sediment controls					
84	PFM 11-0110.3	Erosion and sediment controls identified and trap computations shown					
85	PFM 2-0110.(4)a.	Calculations provided to insure adequacy of sediment basins					
86	PFM 2-0203.1	Limit of clearing and grading shown			*		
87	PFM 2-0212.12	Clearing limit match: grading, both erosion and sediment plans and GDP					
88	PFM 6-1503.3	Critical slope identified and type selected stabilization noted					
CHESAPEAKE BAY PRESERVATION ORDINANCE							
89	PFM 6-1701.3	RPA boundary shown if it is within the site			*		
90	PFM 6-0303.3.	No construction within RPA without exception			*		
MISCELLANEOUS							
91	PFM 2-0201.6	Plan is drawn to a scale of not less than 1:500 or larger					
92	PFM 2-0201.5	Plan is drawn on 24" x 36" sheets					
93	PFM 2-0212.3	North arrow and reference State Grid system (VCS 83)					
94	PFM 2-0212.5	All sheets have engineer's or surveyor's seal and signature			*		
95		Match lines shown where sheets join					
96		All lettering is no less than 0.1" (2.5 mm) in height					
97		Prints legible, not too light or too dark to microfilm					
98	PFM 2-0212.11	Elevations of 2 bench marks shown and identified					
99	112-17-106.9	Existing topography drawn at 2' (0.5 m) intervals					
100	PFM 2-0212.12	Proposed grading shown by contours and spot elevations					
101		Owner or lot number of all adjoining property shown					
102		Existing easements of record shown with deed book and page number					
103		Proposed easements shown and identified					
104	PFM 2-0101.1	Approved or requested waiver/modification letters on plan					
105	PFM 2-0101.1	Valid waivers			*		
106	PFM 2-0101.1	All conditions of waivers in compliance			*		
FAIRFAX COUNTY WATER AUTHORITY ISSUES							
107	PFM 9-0102.2 & 3Q	Show existing water mains and appurtenances onsite					
108	PFM 9-0102.3A	Proposed tie-ins to existing water system shown					
109	PFM 9-0102.3A	Sizes of proposed water mains and locations indicated					
110	PFM 9-0103.8	Show location of existing and proposed fire hydrants					
111	PFM 9-0102.3G	Existing easements with Deed Book and Page Number provided					
112	PFM 9-0102.3S	Provide profile of all proposed public water mains					
113	FW-DPM II.C.2.e	Provide water main stationing on the plan and profile					
114	Per FM Request	Provide profile of all private fire lines					
115	PFM 9-0102.3D	Show utility crossings on the profiles					
116	PFM 9-0102.3V	Test holes results for all proposed crossings, grade changes and utilities in close proximity					
117	PFM 9-0102.3J	Restrain all hydrant, fire line and stub-out valves					
URBAN FORESTRY							
118	PFM 12-504.1A	Site Engineering and Layout Information					
119	PFM 12-504.1B	Limits of clearing shown					
120	PFM 12-505.1	Limits of clearing shown for Phase I and II shown					
121	PFM 12-505.1B	Erosion and Sedimentation Control and tree protection					