

REVIEW CHECKLIST

This checklist is to be completed by the Design Professional and submitted with the Site Plan.

FREDERICK WATER

Subdivision/Site Plan Name: _____

Design Professional Name: _____

Design Professional Phone: _____

Tax Map (PIN): _____

Submission Date: _____

Submission Number: _____

REQUIREMENTS	Design Professional	1st Review	Review Key	
			✓	O.K.
			O	Incomplete
			N	Not Applicable
			X	Unacceptable

GENERAL	NOTES
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1	Owner's and Developer's contact information			
2	Magisterial district, tax map; and address if applicable			
3	Utility contact information			
4	North arrow on all plan sheets			
5	Scale references on all plan sheets			
6	Current FW Standards and Specifications have been reviewed for compliance at www.FW-water.com			
7	Current FW construction notes are on plans			
8	All existing easements are shown including deed book & page or instrument number			
9	Vicinity map			
10	General layout sheet			
11	Current existing water and sanitary sewer infrastructure is shown and described			
12	Required onsite FW easements are identified			
13	Required off site FW easements are identified			
14	Note has been added to landscape drawings that no trees or shrubs shall be placed on FW easements			
15	Project Acceptance Requirements per FW standards (page 4) have been considered in project phasing			
16	Existing site conditions are shown and labeled ie. ex. structures, utilities etc.			
17	Master development plan reviewed for compliance and MDP #, date included. Any variance from MDP water or sewer requirements is explained			

18	Proffer statement reviewed for compliance and copy included			
19	Exceptions to FW requirements are described			
20	Length of water and sewer lines on private property to be owned by FW kept to minimum			
21	Lot numbers, building numbers and street names are shown on all sheets			
22	All plan sheets have been reconciled to reflect the same information			
23	Existing FW infrastructure requiring field adjustment where grade changes occur has been shown			
24	Existing FW facilities to be removed or abandoned are noted accordingly. Significant items, fire hydrants, valves etc. are noted to be furnished to FW inspector			
25	Ownership of existing and proposed, water and sanitary sewer is labeled			
26	Continuity of service to adjacent parcels has been considered and easements provided			
27	FW easements are exclusive. Crossings permitted only as necessary			
28	Street ownership (VDOT or private) is shown			
29	Water and sanitary sewer usage form is completed			
30	Plan review fee work sheet is completed and check is included			
WATER				
31	Project water system has been modeled			
32	Air release has been evaluated and shown			
33	FW's water infrastructure has been evaluated and can meet project demands			
34	Water meter size(s) are shown			
35	Fire line(s) to building show gate valve 10'-20' off building with ownership line, valve is the end of FW ownership			
36	Double detector size and location is shown			
37	Water segments are labeled on plan and profile			
38	Sanitary sewer crossings are shown under water lines with min. 18" separation			
39	Sanitary lateral crossings have lot number and elevation shown on profile			
40	All crossings are labeled including min. 18" separation			
41	Connection to existing lines are labeled and include party responsible for field connection			
42	Special conditions; service disruption, by pass piping, etc. is clearly detailed			
43	Existing and proposed line diameters, pipe types etc. are shown			
44	Water lines shall be CL 52 DIP			
45	Water lines under permeable pavers should be minimized			
46	Bollards around fire hydrants in truck and other vulnerable areas are shown			
47	Applicable FW detail drawings are included			

48	Restrained joints in fill areas and 20' onto original ground are reflected			
49	Existing FW laterals, services, main stubs etc unutilized are shown with details for disconnection and removal			
50	Protectus 3 meter including size, is shown for private underground fire lines			
51	Fire lines are shown as CL 52 DIP and restrained			
52	Pipe types are shown on plan and profile for all segments			
53	Valves are shown on all branches of tees, crosses, wyes etc.			
54	Mininum 25' pre blast is shown for main line stubs			
55	Air release and vacuum breaker valves have been evaluated and shown			
56	Appropriate FW detail drawings are included			
57	Virginia Department of Health's Project Summary Report is completed and included, see http://www.vdh.virginia.gov/content/uploads/sites/14/2016/04/General-Permit-Project-Summary-Report.pdf			
SANITARY SEWER				
58	Project sanitary sewer system has been modeled			
59	FW's sanitary sewer infrastructure has been evaluated and can meet project demands			
60	Manhole rim elevations are shown			
61	Sewer segments are labeled on plan and profile			
62	Water line crossings are shown above sewer min. 18" separation			
63	All crossings are labeled including min. 18" separation			
64	Connection points are labeled and identify party performing connection			
65	Special conditions; service disruption, by pass piping, etc. is clearly detailed			
66	Line diameters, pipe types etc. are shown			
67	Sewer lines under permeable pavers should be minimized			
68	Applicable FW detail drawings are included			
69	Existing FW laterals, services, main stubs etc unutilized are shown with details for disconnection and removal			
70	Restrained joints in fill areas and 20' onto original ground are reflected			
71	Drop connections are noted on plans and profiles			
72	Multiple inside drop connections into same manhole have been evaluated and larger manhole is identified			
73	Manholes larger than 4' in diameter are labeled			
74	Deep sewer laterals are noted on plans and profiles			
75	Pipe types are shown on plan and profile for all segments			

76	Minimum 25' pre blast is shown for main line stubs			
77	Air release and vacuum breaker valves have been evaluated and shown			
78	Appropriate FW detail drawings are included			
SANITARY SEWER PUMP STATIONS				
79	Show all proposed site improvements.			
80	Pump station wet well accessible by vector truck			
81	Personnel door accessible to full size pick up truck (suction lift pumps only)			
82	Show and label existing contours.			
83	Show and label final contours.			
84	Show proposed utilities, including electrical, telephone services information			
85	Show transformer and generator location and dimensions			
86	Provide 100-year floodplain elevation and note on PS plan			
87	Fence is shown on property line			
88	Gently sloping minimum 3' gravel outside fence perimeter			
89	Surface water is directed away from pump station lot			
90	Paving and stone areas are labeled			
91	Gate size is shown and post is min. 1' off pavement			
92	Access road provides heavy truck access and slopes no greater than 10 %			
93	Station information sheets are complete including interim and buildout as applicable			
94	Appropriate FW detail drawings are included			
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