

Proposed Change	Reason	Source page	Addendum
Table of Contents and Index will need to be updated AFTER adoption by Council	Pagination will not be know until edits are accepted and text to be removed is removed	Main TOC, Volume TOC's	
Call out WSDOT spec 9-03.12(5) for trench backfill and sizing from 3/4" to 1-1/2" rock add "e.g. rain gardens, porous pavement" to Table A.1	avoid confusion of intent, allow for more commonly available materials and change order to small to large dimension give example of LID BMPs for readers unfamiliar with the BMPs.	Vol I Apdx A pg A-12, Vol III pg 3-47,48, Vol VI pg 3-26	
Add call out in Figure 3.3 to Trench detail 1.0 in Section A	Guide user to design detail for easier use	Vol I Apdx A pg A-21	
Correct reference to enforcement Code of 17A.10.130	Maintenance Agreement reference old Title 18C citation	Vol I Apdx B pg B-5, B-11, B-17	
Instructions for checklist - add all maintenance periods used in legend and reference to listing of checklist	Clarify symbology used in checklist and were to find the appropriate checklist	Vol I Apdx B pg B-21	
Renumbered #11 Maintenance Checklist for Treatment Wetlands to #18	remove redundant #11's and moved to gap in numbering scheme at #18	Vol I Apdx B pg B-46	
Renumbered Maintenance Checklist items # 20, 21, 22, 23 & 24	Re ordered BMPs so they appear in order of similar BMPs	Vol I Apdx B pg B-63, B-64, B-67, B-69, B-70,	
Added #22 Maintenance Checklist for Conveyance Pipes and Ditches	Inadvertently dropped from previous manual	Vol I Apdx B pg B-65, 66	
Former #22/now #23 Ecology Embankment checklist, added replacement criteria	Added criteria for replacing filter media material that is consistent with DOE approved WSDOT Highway Runoff Manual maintenance checklist.	Vol I Apdx B pg B-68	
Add Title "Maintenance Checklist" to checklist tables #29, 30, 31, 32, & 33	to clarify each table is a stand alone document and use same nomenclature	Vol I Apdx B pg B-74, 76, 81, 83, 86	
change 1:4 to 4:1 for slope hazard	proper side slope format of run: rise in the Bioretention checklist	Vol I Apdx B pg B-79	
Add note that treatment for mosquitoes requires separate permit by licensed applicator	give additional option for dealing with mosquitoes in standing water (cistern)	Vol I Apdx B pg B-82	
added ending brackets and changed "do" to "does" replace "basin" with "roof"	corrected punctuation and grammar	Vol I Apdx B pg B-83	
Add a complete List of Maintenance Checklist topics to Section A Maintenance Agreement	clarify area for Vegetated Roof checklist	Vol I Apdx B pg B-86	
Added "NAVD 88" to Acronyms page	Make it easier to locate applicable BMP's	Vol I Apdx B pg B-91	
change Chapter 3 to Chapter 1	Reference North American Vertical Datum of 1988 in manual	Vol I Glossary -49	
strike "the obaining by" in 1st paragraph and add "when they are shall" to 4th paragraph	correct citation	Vol I pg 1-4	
Deleted "supplemental guidance" that directed reader to Vol III	1st corrects poor grammar, 2nd clarifies the process when it is determined an easement is required.	Vol I pg 2-11	Deleted and replaced Feb 2012
Switch "18 month" with "Defect and Maintenance"	Error in original manual. Information pointed to in Volume III was deleted from original DOE manual making the "Supplemental Guidance" in Volume I a dead end note.	Vol I pg 2-8	
Added "date of final plat approval" and "whichever comes last" for completion of construction bonded work	Use correct name for guarantee	Vol I pg 2-30	
Add language requiring Recording of maintenance agreement and O/M Manual	needed qualifier for when to set clock and added additional potential permit	Vol I pg 2-30	
make reference to Title 17A general, delete citation to 17A.10.040 & 17A.10.050	Clarifying requirement that is found in agreement and making it more prominent in the manual	Vol I pg 2-34	
Eliminated "Erosion and Sediment Control Plan" replaced with reference to "Stormwater Pollution Prevention Plan". Submittal structure reduced to 3 reports/plans form original 4 plans	Section states what plans are required to submit, general applicability and exemptions in Title 17A are easier to understand.	Vol I pg 3-3	
added ability to include drainage data from County GIS and/or drainage inventory	To simplify code and not have redundant ESC Plan and SWPPP plans. The SWPPP is fully described in Volume II and submittal requirements are addressed in the Drainage Control Plan/Engineered Abbv. Plan/Abbv. Plan sections. The SWPPP & ESC continue to be required elements in any plan submittal	Vol I chp 3.4 and references throughout volume I	
replace "drainage plan" with "project"	new data set besides historic drainage maps can be included in downstream analysis	Vol I pg 3-18	
Remove stated requirement in Abv and Eng Abv Plan - EAP for Utility work that is exempted from the regulations	correct error, this section deals with permit requirements that affect the project not the plan.	Vol I pg 3-19	
	no authority to require an Abbv Plan or EAP for exempted activities	Vol I pg 3-27 & 3-30	

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<p>Add "within the Engineered Abbreviated Plan" Added North American Vertical Datum 1988 as approved datum</p>	<p>Clarify purpose to waive a discrete element of the Engineered Abbreviated Plan but not the entire plan</p> <p>County is utilizing NAVD88 in most work now.</p>	<p>Vol I pg 3-29</p> <p>Vol I pg 3-34</p>	
<p>Change Section location to Appendix "C" from "B" Remove references to Erosion and Sediment Control Plans</p>	<p>Correct error in original printing</p> <p>These have been rolled up into the three submittals - AP/EAP/DCP</p>	<p>Vol I pg vi</p> <p>Vol II pg 1-1,2,3, 2-1, 2-4</p>	
<p>Deleted "Engineered" Description of SWPPP elements reordered for easier reading and comprehension</p>	<p>Text referred reader to SFR/Small Projects in appd A which is for Abbreviated Plans not Engineered Abbr. Plans requirement were not changed except as described in this table</p> <p>error in original called for .006 mm thickness which is too thin and not WSDOT specifications compliant</p>	<p>Vol II pg 2-1</p> <p>Vol II chapter 2</p> <p>Vol II pg 3-28</p>	
<p>Corrected plastic thickness to "6 mil" Table B.2 correct n value for "nearly bare ground" - 0.025</p>	<p>typo in original that incorrectly used 0.25</p> <p>remove distinction for accessing off roadway to the pond.</p>	<p>Vol III Apdx B pg 3-9</p>	
<p>Delete "public" Replace WSDOT fence type 3 with County Detail type 3 fence</p>	<p>Deleting public requires apron at all paved roads.</p> <p>County detail 24.1 has been created to address stability concerns in WSDOT design</p>	<p>Vol III pg 3-12</p> <p>Vol III pg 3-14</p>	
<p>Add "and where applicable" to fence location at top off slopes Allow TPCHD to modify Detention facility set-backs from Wells and/or septic</p>	<p>clarifying statement</p> <p>Define path for approval when a site doesn't pose a risk to wells or septic systems</p>	<p>Vol III pg 3-14</p> <p>Vol III pg 3-15</p>	
<p>Remove references to H-20 Loading - redirect to Title 17B for loading standards Add screen option to protect smaller orifice sizes and remove "flow throttling devices"</p>	<p>Loading standards are defined in Title 17B and have become out of date in Title 17A and SWMM</p> <p>Screening is a preferred option for functionality, maintenance and cost.</p>	<p>Vol III pg 3-22, 3-24, 3-25, 4-9, 4-11</p> <p>Vol III pg 3-27</p>	
<p>Strike reference to Title 18E.50 Strike reference to Septic Tanks</p>	<p>Internal Note inadvertently left in original</p> <p>buffer only valid for drainfield not tanks</p> <p>Point to Retention setbacks rather than detention pond setback</p>	<p>Vol III pg 3-36</p> <p>Vol III pg 3-36</p> <p>Vol III pg 3-36</p>	
<p>Change call out to section 3.3.4 from 3.2.1</p>	<p>Underground Injection Control - UIC registration required by WAC</p>	<p>Vol III pg 3-36</p> <p>Vol III pg 3-37</p>	
<p>Add statement to register UIC with Ecology</p>			
<p>Normalize groundwater observation to typical year</p>	<p>If season had abnormally high groundwater the pond floor is too high or the inverse for a low groundwater year.</p>	<p>Vol III pg 3-40</p>	
<p>Exempt Bioretention facilities and rain gardens from requirement for Crest Gauge Allow TPCHD to modify Infiltration facility set-backs from Wells and/or septic</p>	<p>Bioretention Facilities and Rain Gardens build per Vol VI section 3.8 have maximum ponding depth of 6". Possible to track overflow of shallow facilities without a crest gauge</p> <p>Define path for approval when a site doesn't pose a risk to wells or septic systems</p>	<p>Vol III pg 3-41</p> <p>Vol III pg 3-43</p>	
<p>Remove "maintained by the county"</p>	<p>clarify that all drainage facilities require access not just county maintained</p>	<p>Vol III pg 4-4</p>	
<p>Add "tract and rights-of-way" to placement of pipes</p>	<p>clarifies that pipes are not limited to only easements but can be in tracts and/or ROW</p>	<p>Vol III pg 4-4</p>	
<p>Remove Solid Locking Lid Detail A-18.0 and add reference to WSDOT Standard Plan B-30.70-01 with "STORM" lettering for approved locking lid Delete duplicate paragraph regarding outdoor activities</p>	<p>It was difficult to obtain lids with the Pierce County Name cast on them so for consistency and cost savings the WSDOT standard was named. Pulled Detail since it added nothing to the standard plan</p>	<p>Vol III pg 4-12 / Section A Table of Contents / Attachment A-18.0</p>	
<p>deleted "maintenance of" change call out to BMP A 4.9 Add clarification that Infiltration Trenches require pre-treatment and are not applicable for enhanced treatment</p>	<p>same sentence found at end of first paragraph on same page</p> <p>reference to Vol VI includes all parts of roof runoff systems not just maintenance</p> <p>error in original called out A 7.9</p> <p>clarifying statement</p>	<p>Vol IV pg 2-1</p> <p>Vol IV pg 3-1</p> <p>Vol IV pg 4-28</p> <p>Vol V pg 6-3</p>	
<p>Change figure 9.1 with solid lid reading "STORM" and specifications directed to WSDOT standards Add reference to Current "LID Technical Guidance Manual for Puget Sound" Strike requirement to use PDD process for any deviations from county code</p>	<p>Current figure incorrectly references "Drain" not "Storm" and directs reader to King County Standards not WSDOT</p> <p>Allows most current BMP designs to be used and will capture changes expected this summer to the manual</p> <p>inconsistent with current code and can be handled through deviation process in Title 17B</p>	<p>Vol V pg 9-13</p> <p>Vol VI pg 1-1</p> <p>Vol VI pg 1-3</p>	

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Replace "will be" with "are usually" in regards to ADA compliance for surface texture	with new porous mixtures and techniques this is not always true.	Vol VI pg 2-28	
In Rain Garden BMP add long term infiltration rate correction factor of "2" and reference new Bioretention soil section 3.19 for contributing areas below threshold	correction factor necessary for long term function and reference to new required soil mix	Vol VI pg 3-10	
Increase Rain Garden pond depth from 6" to 12"	allow for more attenuation, smaller facilities while maintaining Water Quality base on newer research data.	Vol VI pg 3-13	
Removed discussion on designing deep (more than 12") Bioretention Systems	Pilot project did perform well enough to list this BMP with a presumptive approval.	Vol VI pg 3-14	
Change reference to soil mix from 3.14 to 3.19	point to correct Bioretention soil spec per DOE	Vol VI pg 3-14, 3-39	
add reference to soil mix in 3.19	gives additional soil choice	Vol VI pg 3-15	
Add BMP Sizing Tool as means to size BMP and links to webpage where spreadsheet is located	Incorporates new technology from DOE grant to simplify design of LID BMPs	Vol VI pg 3-19	
replace term "Engineered Soil" with "Bioretention Soil Mix"	clarify and use consistent terminology	Vol VI pg 3-19	
Reference to DOE SWMM manual BMP T5.30	More guidance on Dispersion BMP	Vol VI pg 3-2	
Table 3.2 Changed Assumption for Bioretention Soil "Mix Measured" to a pre-corrected value of "6"; set side slope to 4:1	Allows for multiple correction values to be used and not a one-size-fits-all approach; Side slope change to 4:1 to fix earlier typo and match assumption in regional BMP sizing tool	Vol VI pg 3-20	
switch order of Bioretention and dispersion	to clarify order that alternatives to infiltration are to be considered, makes it consistent with hierarchy in table A.1	Vol VI pg 3-22	
merged 1st & 3rd bullet points for clarity. Deleted 2nd bullet point	Merged Dispersion trench detail reference in 1st bullet point with Dispersion trench standards described in 3rd bullet point and splash block already described in 5th bullet point	Vol VI pg 3-29	
Add call out in Figure 3.3 to Trench detail 1.0 in Section A	Guide user to design detail for easier use	Vol VI pg 3-31	
add Bioretention soil mix used in bioretention areas and rain gardens	Clarify when Bioretention Soil mix vs. Amended Soil can be used. Required by DOE	Vol VI pg 3-39	
Add Table 3.7 "Aggregate for Bioretention Soil"	design add and to clarify specifications required for DOE equivalence and provides guidance and vendors for building bioretention BMP facilities	Vol VI pg 3-68	
Add Section 3.19 Bioretention Soil specification		Vol VI pg 3-68 thru 3-71	
In Rain Garden BMP add long term infiltration rate correction factor and reference new Bioretention soil section 3.19	correction factor necessary for long term function and reference to new required soil mix	Vol VI pg 3-8	
Removed Detail 18.0 in Table of Contents	Detailed removed - see below Does not match WSDOT standard dimensions and maintenance staff do not require "Pierce County" to be cast into lid. WSDOT standard detail B-30.70-01 with "STORM" is sufficient and cost less than custom lid	z Attachment A pg-1	
Deleted "Solid Locking Lid" detail 18.0			
Add note for 15% Max grade for systems meeting flow control or water quality BMPs and corrected spelling "perforated"	Detail shows 20% grade downhill of Flow Dispersion Trench but 15% is required when sizing for larger projects	z Attachment A Detail 1.0	
correct spelling of "within"	spelling	z Attachment A Detail 2.0	
added "Trench Section" label	for correct drafting convention	z Attachment A Detail 3.0	
changed "TOP VIEW" to "PLAN" label and "SIDE VIEW" to "SECTION" label	for correct drafting convention	z Attachment A Detail 4.0	
added "PROFILE" label and added hyphen to "ANTI-SEEP"	for correct drafting convention and spelling	z Attachment A Detail 7.0	
Add Small Orifice Screen Detail with notes, corrected reference to notes and added "Section" label to view	Add Small Orifice Screening to allow for smaller orifice designs while protecting them from plugging.	z Attachment A Detail 12.0	
redesigned stencil to show salmonid outline	original outline was not a recognizable fish	z Attachment A Detail 22.0	
Allow for back fill rock that meets WSDOT spec 9-03.12(5) and correct spelling of "equal"	clarifying backfill spec on infiltration/drywell to allow for more commonly obtained materials	z Attachment A Detail 23.0	
new detail 24.1 modifying WSDOT Chain Link Fence Type 3	Modified WSDOT standard to include concrete post support. Fence required for higher speed roadways, has no top rail on fence line.	z Attachment A Detail 24.1	
new detail 24.2 Modified WSDOT chain link fence type 6	Needed fence detail for shorter fences - 4 foot - modified WSDOT standard to include concrete post support	z Attachment A Detail 24.2	
Correct dimension "1/4" on Crest Gage	typo on original 1#4 vs. 1/4	z Attachment A Detail 25.0	
changed "GEOMETRY" to "SECTION" label	for correct drafting convention	z Attachment B Detail 2.0	
Added "SECTION" label and strike out "N.T.S."	for correct drafting convention	z Attachment B Detail 3.0	

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Added "PLAN" label	for correct drafting convention	z Attachment B Detail 5.0	
Added "SECTION" label	for correct drafting convention	z Attachment B Detail 8.0	
Added "SECTION" label	for correct drafting convention	z Attachment B Detail 17.0	
Added "SECTION" label and "PLAN" label	for correct drafting convention	z Attachment B Detail 19.0	
Update expired FEMA Elevation Certificate form 80-31	FEMA Form 81-31 2009 is required to be used and FEMA Form 81-31 2006 is currently included in manual	z_Attachment J	
Update Sign Detail Section F 1.0 To show correct division name: Surface Water Management and common Font Type - Sans Serif Bold	Current sign list Water Programs and difficult to find Font Style "Seagull MD BT"	z Attachment F Detail 1.0	Feb 2012
For private facilities show owners name and contact information on sign	clarifies detail that shows example of county contact information to direct inquires to responsible party	Vol III pg 3-15	Feb 2012
Corrected reference to BMP A7.15	correct citation	Vol IV pg 4-25	Feb 2012
	Chose to reference critical citation rather than be redundant. Element #12 covers project management and limits for seasonal work but Element #5 list specific soil stability measures and conditions.		
Add reference to SWPPP Element #12 to meet seasonal limits detailed in Element #5		Vol II pg 2-16	Feb 2012
Moved Heading into bullet Point for "coordination with Utilities and other contractors"	Inadvertently promoted to header which leads to confusion on following elements in project management	Vol II pg 2-17	Feb 2012
Add requirement for inspection reports to be kept on-site and made available to county on request.	Inadvertently dropped from previous manual	Vol II pg 2-17	Feb 2012
Strike phrases referencing to "need not be developed by a professional engineer" and submittal of calculations which amount to engineering on Abbreviated Plans.	Removal of language that appears to promote the practice of un-licensed engineering at the direction of the State Licensing Board	Vol I pg 3-7, 3-8, 3-20, A-3, A-12, Vol VI pg 3-25	Feb 2012
Change run-on sentence to two sentences when drainage easement is required.	No change in meaning only in grammar and clarity	Vol I pg 2-11	Feb 2012
Delete extra "period" and "space" in sentence	corrected punctuation	Vol I Apdx B B-11	Feb 2012
Deleted "50"	Stray text with no bearing on subject	Vol I Apdx C C-1	Feb 2012
change "or" to "unless"	better grammar and clarity	Vol III pg 3-15 & 3-43	Feb 2012
Revise Defect and Maintenance Guarentee to 24 Months with changes in acceptace of facilities	Change timing of accepting ownership to ensure facilities are working prior to deed transfers, have county maintain and monitor facility during bond period and reduce bond period to 24 months which is an attainable surety product.	Vol I pg 2-28	June 2012
Expand accepted drafting scales	more flexibilty for engineer to show data and reduce number of plotted sheets.	Vol I pg 3-23	June 2012
Revise Title 17A.40.040 Acceptance of New Stormwater Facilities	Updating PCC to be compatible with Bond Guarantee change in SWMM		June 2012