



## WATER PLAN REVIEW CHECKLIST

GENERAL	NA	C	I	COMMENTS
Development/Plat submitted in PDF (if appl.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CAD Generated/Layered PDF of water plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CAD Generated/Layered PDF of paving/sewer plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CAD Generated/Layered PDF of grading plans (w/ topo)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Review fee submitted (all fees due prior to approvals)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
ALL SHEETS				
Signed Engineer's seal (each sheet)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Standard North Arrow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
MDWID plan number at designated areas	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Title in block and along right margin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Lettering size acceptable ( $\geq 12$ pt.) and legible	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Text callout box (on water system additions/changes)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Broken text callout box (on existing water system elements)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Leaders (as necessary for non-water system elements or info)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
No topo lines on the water plans (master plans only)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Existing system shown with plan no., size, material	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
COVER SHEET				
MDWID standard cover sheet (avail. online)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Title centered at top with plan number	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
MDWID general notes (on cover sheet)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Developer name, contact, address, email, phone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Consultant name or logo, address, email, phone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fire flow impact area info noted (enter N/A if not appl.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Pipe restraint following MW-600, unless otherwise specified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Horizontal and vertical control identified in notes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
As-Built Record block shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Location on plan with TT-RR-SS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sheet index (three or more sheets)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Legend showing existing/proposed elements (per MW-1850)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Project Overview with water line material/sizes/zone labeled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Adjacent subdivision names provided	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Match lines showing sheet numbers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Customer notification procedure identified (in General Notes)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Protected mains shown and participating parcels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fire District approval of fire flow value (on plan or in email)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fire District approval of fire hydrant no./locations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Identify source of construction water (exist. FH, DVA, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PLAN & PROFILE SHEETS				
MDWID standard plan & profile sheets (avail. online)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Horizontal scale (1"=40' max)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Vertical scale (10 x horizontal in profile, preferred)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Station/offset on road/easement centerline (not along pipe)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Consistent stationing between water/sewer/street plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stationed match lines (on multiple plan & profile sheets)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Callouts in plan also represented in profile.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
No duplicate callouts over multiple sheets or past match lines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Station equations at intersections of streets/control lines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Street names/dimension of ROW, pavement, etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

NA – NOT APPLICABLE, C – COMPLETE, I – INCOMPLETE

Project Name: [Click here to enter text.](#)  
 Project Number: [Click here to enter text.](#)

Review Date: [Click here to enter text.](#)  
 Reviewer: [Click here to enter text.](#)

PLAN & PROFILE SHEETS (CONTINUED)	NA	C	I	COMMENTS
Lot/building numbers shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Building/unit number ranges in service callouts (non-residential)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Public water system designed in dedicated R.O.W. or easement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
All water mains 4" and larger CL350 ductile iron pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Profile mains 4" and larger (omit lateral stubs/FHs @ same elev)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stub outs to adjacent properties as identified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cross-sections and other details on detail sheet if not in profile	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Project sequence identified (if appl.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Looped system, limited dead-ends	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Static zone, closed valves, zone boundary shown/labeled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Abandoned water line(s) shown/labeled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Pipe sizes acceptable and labeled meeting fire flow criteria	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Dimensions to existing valves shown from tap/conn. points	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
L.F. of pipe between fittings and valves (or in table)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Use allowable deflection to eliminate small bends (11.25°)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Start and end stations for deflections noted on plan or in table	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Water line extended to end of property (as directed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Vertical bends min. 5 ft before top/toe of drainage slopes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Vertical cross-section between upper bends all restrained	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Scour calcs provided for wash or unimproved drainage crossings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Thrust block (when deemed necessary on existing system)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
WTR and SWR alignments on opposite/consistent sides of street	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
WTR/SWR crossing elevations and separation noted in profile	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Minimum 30° skew at water/sewer crossings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fittings, valves, and other appurtenances stationed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Make use of two 45° bends in lieu of 90° bends	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Valves acceptable (min. 2 for tee, 3 for cross)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Valve placement in areas of standard depth	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Call out valve extensions when FG to valve nut >5 ft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
No ARVs, FHs, meter boxes in parkway between curb and S/W	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Avoid D/W conflicts with FHs/ARVs at shared property corners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Locate FHs at intersections and not D/W frontage, if possible	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Second valve <10' from FH if >40' from main (per MW-500)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
DVA or FH at all dead-end terminations of water mains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
ARVs at high points, low side of dip sections, or as shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Meters located/stationed on frontage of property served	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Services either side of FHs or ARVs at shared corners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Services perpendicular to water main (except for cul-de-sacs)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Service tie-overs/renewals (include address)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Backflow preventers shown/labeled (on all non-residential svcs)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Existing/proposed pavement and obstructions shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Pavement rem./repl. shown/referenced (P.A.G. S.D. 216, Typ. 1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Existing wells present/shown, if applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Well abandonment procedure identified, if applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Electric trans/peds on alternating corners from water SVCs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Electric trans. and peds. >10' from water service (per MW-309)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Show sewer mains and the HCS to each lot/building	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Show/label existing (with recording info) or proposed easements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Proposed easements legal description & drawing provided	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Proposed easement show/noted on plan with sequence block	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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