Project Name: <u>Click here to enter text.</u>
Project Number: <u>Click here to enter text.</u>



Review Date: Click here to enter text.

Reviewer: Click here to enter text.

WATER PLAN REVIEW CHECKLIST

GENERAL	NA	C	I	COMMENTS
Development/Plat submitted in PDF (if appl.)				
CAD Generated/Layered PDF of water plans				
CAD Generated/Layered PDF of paving/sewer plans				
CAD Generated/Layered PDF of grading plans (w/ topo)				
Review fee submitted (all fees due prior to approvals)				
ALL SHEETS				
Signed Engineer's seal (each sheet)				
Standard North Arrow				
MDWID plan number at designated areas				
Title in block and along right margin				
Lettering size acceptable (≥12 pt.) and legible				
Text box (on water system additions/changes)				
Broken text box (on existing water system elements)				
Leaders (as necessary for non-water system elements or info)				
Existing system shown with plan no., size, material				
Match lines (if more than one plan sheet)				
COVER SHEET				
MDWID standard cover sheet (avail. online)				
Title centered at top with plan number				
MDWID general notes (on cover sheet)				
Developer name, contact, address, email, phone				
Consultant name or logo, address, email, phone				
Special improvement impact area noted (if appl. or enter N.A.) Horizontal and vertical control identified in notes				
As-Built Record block shown				
Location on plan with TT-RR-SS				
Sheet index (three or more sheets)				
Legend showing existing/proposed elements (MW-1850)				
Project Overview with water line material/sizes/zone labeled				
No topo lines on the water plans				
Protected mains shown and participating parcels				
Fire District approval of fire flow value (on plan or in email)				
Fire District approval of fire hydrant no./locations				
Identify source of construction water (exist. FH, DVA, etc.)		Ш	Ш	
PLAN/PROFILE SHEETS				
MDWID standard plan sheets (avail. online)				
Horizontal scale (1"=40' max)				
Vertical scale (10 x horizonal for profile, if appl.)				
Stationing along roadway centerline with offset (not along pipe)				
Consistent stationing between water/sewer/street plans				
Station equations at intersections of streets/control lines				
Pipe sizes acceptable and labeled meeting fire flow criteria				
Looped system, limited dead-ends				
Static zone, closed valves, zone boundary shown/labeled				
Valves acceptable (min. 2 for tee, 3 for cross)				
Fittings, valves, and other appurtenances stationed				
Valve placement in areas of standard depth				

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DI AN/DDOEH E SHEETS (CONTINUED)	NT A	C	I	COMMENTS
PLAN/PROFILE SHEETS (CONTINUED) Valve extensions required when surface to valve nut >5 ft	NA			COMMENTS
Verify use of allowable deflection to eliminate small bends				
Station beginning and end points for deflections in alignments				
Make use of two 45° bends in lieu of 90° bends				
		=		
Parallel alignments for water & sewer avoid crossings				
Water/Sewer crossing elevations and separation labeled				
Minimum 30° skew at water/sewer crossings				
Services perpendicular to water main (except for cul-de-sacs)				
Meters located/stationed on frontage of property served				
Backflow preventers shown/labeled (on all non-residential svcs)				
Lot/building numbers shown			Ш	
Building/unit number ranges in service callouts (non-residential)				
ARVs at high points, low side of dip sections, or as shown				
Second valve within 10 ft of FH if located >40 ft from main				
DVA or FH at all dead-end terminations of water mains				
Dimensions to existing valves shown from tap/conn. points				
Water line extended to end of property as noted				
Cross-sections on vertical elements shown/referenced.				
Vertical bends min. 5 ft before top/toe of drainage slopes				
Vertical cross-section between upper bends all restrained				
Scour calcs provided for wash or unimproved drainage crossings				
Thrust block (where necessary on existing system)				
Profile for 12" and larger pipe				
Abandoned water line(s) shown/labeled				
L.F. of pipe between fittings and valves (or in table)				
Existing/proposed pavement and obstructions shown				
Pavement removal/replacement shown/labeled				
Street names/dimension of ROW, pavement, etc.				
Project sequence identified				
Service tie-overs/renewals (include address)				
Stub outs to adjacent properties as identified				
Customer notification procedure identified				
Adjacent subdivision names provided				
UG electric trans. and peds. shown (>10' from water services)				
Existing wells present/shown				
Well abandonment procedure identified				
Proposed easements legal description & drawing provided				
Proposed easement show/noted on plan with sequence block				
		Ш	Ш	