

Safety in Design - Wastewater & Water Design Checklist

Suburb / Stage

Field Investigation by

Drawing Number

Drawn By

Docket Number

Date

**NOTE: Below is a list of factors to be considered when designing water and wastewater extensions of main.
It is not a definitive list and there may be other factors which influence the design.
If this is the case these should be listed in Section 6 of this form.**

	YES	NO	N/A	COMMENTS
1. <u>General</u>				
Has System Planning provided a report for development?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are there existing easements that can be utilized?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are external easements required?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are there natural features (eg creeks) to be negotiated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are there any obstructions to be negotiated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are exist/proposed levels or contours provided?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Will constructors have easy access to site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is this a high traffic area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is this a DTEI road?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are main sizes appropriate for zoning classificaton?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are there existing/new internal drains to connect?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Has every lot been serviced by the design?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Have existing SAW services been located/noted?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Has "Dial Before You Dig" information been received?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. <u>Major Water</u>				
Is maximum number of shutdown valves maintained?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is maximum distance between valves maintained?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are the correct valves placed at change in main size?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is approach water main required/ sized correctly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Has the number of dead ends been limited?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. <u>Major Wastewater</u>				
Is proposed "Link up" point acheivable?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are water seals required for connection to trunk sewer?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is approach sewer required/ sized correctly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is maximum distance between structures maintained?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are minimum jump ups acheived where required?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are minimum or better grades acheived?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is portion of area not serviced?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is Pumping Station site required/provided?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are tankering MH/farms required in short term?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is main depth un-necessarily excessive?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

