Design Review Checklist

Project Name: _____

File #:<u>142-</u>

WBS #:_____ Cycle #:____

Yes	No	N/A	<u>Title and General Notes Sheet</u>	
			CAW Signature Block – CAW Standard Details	
			-Date	
			-File Number	
			-WBS Number	
			-"Expires One Year from Date of Signature"	
			Fire department approval signature block	
			APN Numbers	
			Legend	
			USA Contact Number – Call 48 hours prior to dig	
			Contact information for CAW	
	□ □ □ Contact information for project developer/owner			
			Contact information for Utility purveyors	
			CAW Standard General Notes	
Yes	No	N/A	Water/Utility Plan Sheet	
			North Arrow	
			Scale of Plan	
			Engineer's Stamp and Signature (California PE required)	
			CAW Signature Block	
			Utility Crossing Information	
			Utility Horizontal/Vertical Clearance information	
			Existing Easement, IOD, PUE Information	
			Proposed Easement, IOD, PUE Information	
			This is needed for both on-site easements AND offsite easements.	
			15' width centered on main alignment	
			Installation/Retirement Table	
			Construction Notes Referencing CAW Standard Details	
			Inspector of Record: Mark Duchesne	
	□ □ Separate Domestic, Irrigation, and Fire Taps			
			Appropriate offset of services from property lines	
			Line Size, Length Labels, Meter Boxes, Backflows, Valves	
			Driveways, ADA walks, Walks and Curb returns, Storm Drains, Sewer	
Yes	No	N/A	Engineering	

105	110	$1 \mathbf{V} A$	Engineering
			Water/Utility shown on plan and profile

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Yes	No	N/A		
			Adequate separation from other utilities	
			Adequate connection detail, with transition couplings, FLxMJ, etc.	
			- Connection detail for each connection point	
			- Transition Couplings – Type & Length. (12" min. length)	
			Value Engineering – minimization of appurtenances	
			Pair Residential Services at property lines	
			Looped Fire System	
			Verification of Existing Utilities with As-Builts	
			Pipe Joint Specification – Push-on, Mechanical Joint, Flange Joint	
			Thrust Blocks and Restrained Joints Specified	
			Valve Placement and Type	
			Valve $\leq 12^{\circ}$ -> Gate Valve; Valve > 12 ^o -> Butterfly Valve	
			Appropriate Placement of Hydrants in accordance with Fire Department	
			Meter Placement	
			Pressure Reducing Valves	
			Backflow Prevention Devices	
			-Reduced Pressure (RP Devices) required on everything except:	
			 Private Fire Services where ONLY fire hydrants are being served (no fire services to buildings) – they may use RPDA (reduced pressure detector assembly) 	
			- On every service that is not a single family residence service. Including	
			 Irrigation Service 	
			 Domestic Services for Commercial Developments 	
			Appropriate Pipe Cover – 36" min.	
			Ductile Iron Pipe – Class 50	
			- For Pipe Sizes above 12"	
			Ductile Iron Pipe – Class 52	
			- For Crossings under Storm Drain and Sewer, see title 22 requirements for more details	
			PVC – C900 – DR 14 (12" Pipe diameter & under)	
			Water main crossing above sanitary sewer and storm drain, minimum 1' vertical separation	