



**OTAY WATER DISTRICT
FIRE SERVICE PLAN CHECKLIST**

PROJECT NAME: _____ PROJECT/FSV PERMIT NO.: _____

PLAN REVIEWER: _____ PEER REVIEWER: _____

I. TITLE SHEET

	1ST Check		2nd Check		3rd Check		4th Check		Comments
	<u>ENG</u>	<u>OWD</u>	<u>ENG</u>	<u>OWD</u>	<u>ENG</u>	<u>OWD</u>	<u>ENG</u>	<u>OWD</u>	
A. Vicinity Map: 1. Street names. 2. North Arrow.									
B. Marked with the name, address and telephone number of the firm preparing the plans and date of preparation.									
C. Name, address and telephone number of the owner and developer.									
D. Name and phase of development (to be consistent throughout the drawing).									
E. APN or Site Address shown.									
F. OWD Inspection Note.									



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II. KEY MAP SHEET									
	1 ST Check		2 nd Check		3 rd Check		4 th Check		Comments
	<u>ENG</u>	<u>OWD</u>	<u>ENG</u>	<u>OWD</u>	<u>ENG</u>	<u>OWD</u>	<u>ENG</u>	<u>OWD</u>	
<p>A. Site Map showing:</p> <ol style="list-style-type: none"> 1. Private fire system 2. Private Domestic system 3. Private Recycled system 4. Street Names 5. North Arrow 6. Point of connection 7. Existing/Proposed utilities in the road 8. Onsite fire hydrants 									
<p>B. Connection Note (“Wet tap” or “Connect to Existing Stub”)</p> <p>Wet tap: For connections to existing water mains, all wet tap connections to existing pipelines, whether for mainline extension or service laterals, shall be performed by the district. The contractor shall furnish the tapping sleeve or tee, valves and all other materials as called for in the Water Agencies’ Standards, http://www.sdwas.com/, Standard Specifications section, in accordance with the approved materials list. The contractor shall provide all equipment, labor and traffic control required for the excavation and installation of the connection including but not limited to excavation by hand or machine, pouring of thrust and anchor blocks, installation of gate casing, painting and wrapping of fittings, backfill and compaction of trench area and pavement replacement.</p> <p>Connect to Existing Contractor to remove existing end cap, thrust block and temporary blow off. Contractor to connect to existing lateral using a minimum pipe length of 60 inches.</p>									



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II. KEY MAP SHEET (continued)									
	1 ST Check		2 nd Check		3 rd Check		4 th Check		Comments
C. As-Built information including: 1. OWD As-Built Project # 2. Recycled Water Pressure Zone, pipe type and size. 3. Potable Water Pressure Zone, pipe type and size.	<u>ENG</u>	<u>OWD</u>	<u>ENG</u>	<u>OWD</u>	<u>ENG</u>	<u>OWD</u>	<u>ENG</u>	<u>OWD</u>	
III. ALL SHEETS									
	1 ST Check		2 nd Check		3 rd Check		4 th Check		Comments
A. Medium 1. 8.5"x11" in size conforming to District format	<u>ENG</u>	<u>OWD</u>	<u>ENG</u>	<u>OWD</u>	<u>ENG</u>	<u>OWD</u>	<u>ENG</u>	<u>OWD</u>	
B. Signed and Stamped by the Engineer-of-Work, date of expiration of registration adjacent to signature.									
C. Consecutively numbered with total number of sheets.									
D. Lettered in a neat and legible style, no hand lettering smaller than 1/8" and no machine lettering smaller than 1/10".									
E. OWD Project# shown on bottom right corner of the plan.									



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III. ALL SHEETS (continued)									
	1 ST Check		2 nd Check		3 rd Check		4 th Check		Comments
	<u>ENG</u>	<u>OWD</u>	<u>ENG</u>	<u>OWD</u>	<u>ENG</u>	<u>OWD</u>	<u>ENG</u>	<u>OWD</u>	
F. OWD FSV permit# shown at bottom right side corner of the plan.									
G. North Arrow Shown.									
H. Standard symbols/abbreviations per WAS WI-06.									
IV. PLAN SHEETS									
	1 ST Check		2 nd Check		3 rd Check		4 th Check		Comments
	<u>ENG</u>	<u>OWD</u>	<u>ENG</u>	<u>OWD</u>	<u>ENG</u>	<u>OWD</u>	<u>ENG</u>	<u>OWD</u>	
A. Thrust/Anchor blocks shown or called out at all locations and sized in conformance with WAS Design Guideline 5.2.									
B. Material Information Table – Including: 1. Station numbers 2. Pipe type, size, class, and lengths 3. RPDA/RP Size and Type 4. Site Elevation									
C. WAS Standard Details called out where applicable including WF-05, WR-01/02, WS-01/02, WV-01/02/03, WT-01/02.									



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IV. PLAN SHEETS (continued)									
	1ST Check		2nd Check		3rd Check		4th Check		Comments
	<u>ENG</u>	<u>OWD</u>	<u>ENG</u>	<u>OWD</u>	<u>ENG</u>	<u>OWD</u>	<u>ENG</u>	<u>OWD</u>	
D. Drawings are uncluttered, legible and easy to understand.									
E. RPDA location per WAS WF-05. RP location per WAS WR-01/02.									
F. Wet tap locations is 10' away from sewer laterals.									
G. Lateral location is 3' away from any joints.									
H. Flanged Resilient Wedge Gate Valves called out on all new lateral locations.									
I. Design conforms to WAS Design Guideline 5.4.									
J. Horizontal separation between Recycled or Sewer laterals is a minimum 5'.									
K. Potable lateral lines have a minimum 3.5 feet of coverage. Recycled lateral lines have a minimum 4.5 feet of coverage.									
L. Profile view is included when making elevation changes.									



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IV. PLAN SHEETS (continued)									
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	<u>ENG</u>	<u>OWD</u>	<u>ENG</u>	<u>OWD</u>	<u>ENG</u>	<u>OWD</u>	<u>ENG</u>	<u>OWD</u>	
M. Profile view shows min. 12 inches separation between utilities at crossings with potable line routed over non-potable systems.									
N. Lateral lines are shown perpendicular to the main line.									
O. Note: Pressure Reducing Valves are required at all locations with 150psi or greater and in the Otay Mesa area.									
P. Locations of potential conflicts with other utilities (such as dry utilities) are clearly shown and addressed in the design.									
V. MISCELLANEOUS									
	1st Check		2nd Check		3rd Check		4th Check		Comments
	<u>ENG</u>	<u>OWD</u>	<u>ENG</u>	<u>OWD</u>	<u>ENG</u>	<u>OWD</u>	<u>ENG</u>	<u>OWD</u>	
A. Installation and materials for all proposed systems conform to the Water Agencies Standards Specifications, Details, and Approved Material List.									
B. All appurtenances fronting the site that are not being used are called out for deletion at the mainline.									



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V. MISCELLANEOUS (continued)									
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	<u>ENG</u>	<u>OWD</u>	<u>ENG</u>	<u>OWD</u>	<u>ENG</u>	<u>OWD</u>	<u>ENG</u>	<u>OWD</u>	
C. Fire systems are designed to operate independent of domestic water and/or recycled water systems.									
D. Domestic water systems are designed to operate independent of fire water and/or recycled water systems.									
E. Fire systems and domestic water systems are designed as standalone systems and are intended to supply only one property. The private system/s shall not include stub outs for future points of connections for adjacent lots.									
END									