



WATER MAIN GENERAL NOTES:

1. A 2 FOOT MINIMUM HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN ALL WATER FACILITIES AND UNDERGROUND POWER, TELEPHONE AND CABLE FACILITIES UNLESS OTHERWISE APPROVED BY THE TOWN OF FRIDAY HARBOR. SEE STANDARD DWG. W-2 AND U-4.
2. FOR WATER MAIN AND SEWER MAIN SEPARATION REQUIREMENTS SEE STANDARD DWG. U-1.
3. ALL CONTRACTORS WORKING WITH AC PIPE MUST BE STATE-CERTIFIED. THE CONTRACTOR SHALL PROVIDE PROTECTIVE CLOTHING AND EQUIPMENT TO CREWS WORKING WITH ASBESTOS CEMENT PIPE IN ORDER TO ASSURE THE WORKER'S EXPOSURE TO ASBESTOS MATERIAL IS AT OR BELOW THE LIMITS PRESCRIBED IN WAC 296-62-07705.
4. WATER MAINS SHALL BE CONSTRUCTED OF AWWA C-900, SR 18 UNLESS OTHERWISE APPROVED BY THE TOWN.
5. GATE VALVES SHALL BE M&H STYLE 929 OR CLOW MEDALLION AND SHALL BE RESILIENT WEDGE, NON RISING STEM (NRS) WITH TWO INTERNAL O-RING STEM SEALS. VALVE ENDS SHALL BE MECHANICAL JOINT OR ANSI FLANGES. VALVES SHALL CONFORM TO AWWA C-515.
6. ALL FITTINGS FOR PVC PIPING SHALL BE DUCTILE IRON COMPACT FITTINGS CONFORMING TO AWWA C-153 OR CLASS 250 GRAY IRON CONFORMING TO AWWA C-110 AND C-111.
7. SERVICE LINES SHALL BE TYPE K COPPER PIPE, REHAU PEX PIPE OR HIGH DENSITY POLYETHYLENE TUBING (COPPER TUBE SIZE) MEETING THE REQUIREMENTS OF AWWA C901, SDR 11, WITH A MINIMUM PRESSURE RATING OF 200 PSI.
8. UNLESS IT IS NECESSARY TO CLEAR UTILITIES, THE WATER MAIN SHALL BE INSTALLED WITH UNDER 48 -INCHES OF COVER BUT NEVER LESS THAN 36 INCHES OF COVER TO THE TOP OF THE PIPE. ANY DEVIATIONS FROM THIS SHALL BE APPROVED BY THE TOWN OF FRIDAY HARBOR PRIOR TO START OF CONSTRUCTION ACTIVITIES.
9. CONCRETE BLOCKING FOR WATER MAINS SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH AWWA AND TOWN OF FRIDAY HARBOR STANDARDS AND SHALL BE INSTALLED AT ALL VERTICAL AND HORIZONTAL BENDS AND FITTINGS. PRIOR TO BLOCKING, THE FITTINGS SHALL BE WRAPPED WITH VISQUEEN.
10. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE TOWN 2 BUSINESS DAYS IN ADVANCE OF BACKFILLING WATER MAINS.
11. ALL MAINS AND SERVICE LINES SHALL BE DISINFECTED AND TESTED IN CONFORMANCE WITH TOWN OF FRIDAY HARBOR STANDARDS IN THE PRESENCE OF A TOWN REPRESENTATIVE.
12. CONNECTIONS TO EXISTING WATER MAINS SHALL BE COORDINATED WITH THE TOWN.
13. ALL SERVICE STUBS MUST BE TESTED FOR FLOW OF WATER AFTER PRESSURE TEST AND BACTERIA TEST. A TOWN REPRESENTATIVE MUST BE ON-SITE TO OBSERVE THE FLOW TEST. CONTACT THE TOWN TWO BUSINESS DAYS IN ADVANCE.
14. THE CONTRACTOR SHALL CONTACT THE TOWN 5 DAYS PRIOR TO ANY WORK REQUIRING THE SHUTDOWN OF EXISTING WATER MAINS. THE CONTRACTOR IS REQUIRED TO GIVE 2 BUSINESS DAYS NOTICE TO ALL CUSTOMERS AFFECTED BY THE WATER MAIN SHUTDOWN. SHUTDOWNS SHALL BE SCHEDULED MONDAY THROUGH THURSDAY, BETWEEN 8 A.M. AND 2 P.M.
15. ONLY A TOWN REPRESENTATIVES MAY OPERATE THE TOWN SYSTEM'S VALVES, HYDRANTS, BLOW-OFFS FOR FILLS, SHUT DOWNS, FLUSHING OR RECHARGING LINES.
16. THE CONTRACTOR SHALL DEMONSTRATE TO A TOWN REPRESENTATIVE THAT THE FIRE FLOW AND STATIC AND RESIDUAL PRESSURES LISTED IN THE STANDARDS ARE ACHIEVED. THE CONTRACTOR IS REQUIRED TO GIVE 2 BUSINESS DAYS NOTICE TO THE TOWN TO OBSERVE THESE TESTS.

NO SCALE

	APPROVAL	
		
	PUBLIC WORKS DIRECTOR	
WATER GENERAL NOTES	DATE	01/21/2022
	DRAWING NO.	W-0
	REV:	