

CITY MAINTAINED PRIVATELY MAINTAINED

WET UTILITY ROOM (WUR)
(SEE NOTE 1 ON SHEET 2)

REFER TO **SDW-157**
FOR 3 INCH AND
LARGER ABOVEGROUND
METERS AND PRIVATE
BACKFLOW PREVENTER.
SEE NOTE 1 AND NOTE 11

(STREET LEVEL)

METER BOX &
ASSEMBLY PER
SDW-149, 150

WATERPROOF FLOOR
AND WALLS. SEE
NOTE 10

12' X12' FLOOR
SINK UNDER EACH
RELEASE VALVE

12" MIN
24" MAX
FLOW

POLYETHYLENE FOAM TYP

FIRE SERVICE
CONNECTION &
ASSEMBLY
PER **SDW-118**

PROPERTY
SIDE
ISOLATION
VALVE

WATER SERVICE
CONNECTION
PER **SDW-149,
SDW-150**

CITY MAIN

BUILDING BASEMENT

SHEET 1 OF 2

ITEM NO	SIZE AND DESCRIPTION	ITEM NO	SIZE AND DESCRIPTION
①	CONCRETE THRUST BLOCK. SEE SDW-151	⑥	APPROVED RPDA
②	90° DUCTILE IRON FLANGE ELBOW	⑦	FLANGED OS&Y RWGV WITH HAND WHEEL
③	C-900 PVC PIPE	⑧	BRASS OR COPPER PIPE (PROPERLY SUPPORTED OR RESTRAINED)
④	12" FLANGED DUCTILE IRON SPOOL	⑨	UNIONS
⑤	APPROVED BACKFLOW ASSEMBLY WITH FLEX COUPLER CONNECTORS FOR SEISMIC REQUIREMENTS	⑩	APPROVED RP BACKFLOW PREVENTER(ALL Y-STRAINERS OR PRV TO BE INSTALLED DOWNSTREAM OF BACKFLOW ASSEMBLY)

REVISION	BY	APPROVED	DATE	CITY OF SAN DIEGO – STANDARD DRAWING	RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
ORIGINAL	BB	J. NAGELVOORT	10/14		
UPDATED	FG	J. NAGELVOORT	07/15		
REDRAFTED	CD	J. NAGELVOORT	09/18		
UPDATED	RC	R. AMEN	05/26		
BACKFLOW PREVENTERS WET UTILITY ROOM INSTALLATION				<i>Alaine James</i> 05/29/2026 COORDINATOR R.C.E. 81047 DATE	
				DRAWING NUMBER SDW-141	

NOTES:

1. FOR 3 INCH AND LARGER METER INSTALLED IN THE WET UTILITY ROOM (WUR), SEE **SDW-157** DUAL ABOVE GROUND WATER METER WITH PRIVATE BACKFLOW PREVENTER. PROVIDE ADEQUATE VERTICAL CLEARANCE AROUND THE METERS TO ALLOW FOR CITY STAFF OPERATION AND MAINTENANCE. REFER TO **SDW-157** FOR SEPARATION OF MAINTENANCE RESPONSIBILITIES.
2. THE WUR MUST BE APPROVED BY THE PUBLIC UTILITIES & DEVELOPMENT SERVICES DEPARTMENTS.
3. WUR PREFERABLY LIMITED TO BUILDINGS BUILT AT THE PROPERTY LINE WITH ZERO SETBACK.
4. IN UTILIZING THE WUR OPTION, THE BUILDING OWNER AGREES TO REQUIREMENTS OF **SDW-141**.
5. PROVIDE ACCESS INTO THE WUR BY STORING KEYS WITHIN A KNOX KEY BOX.
6. WURS MAY ONLY CONTAIN BACKFLOW PREVENTION EQUIPMENT AND CITY WATER METERS (EASEMENT REQUIRED).
7. THE WUR MUST BE DESIGNED AT STREET LEVEL, ADJACENT TO EXTERIOR WALL OF THE BUILDING, AND ALLOW ACCESS FROM STREET LEVEL THROUGH THIS EXTERIOR WALL.
8. ACCESS DOORS OR GATES MUST PROVIDE DRAINAGE FOR FULL DISCHARGES AWAY FROM THE BUILDING. FLOOR OF WUR SHALL BE A MIN OF 2% SLOP TOWARDS THE ACCESS DOOR OR GATE.
9. A CONCRETE FLOOR PLAN WITH FLOOR DRAINS MUST PROVIDE DRAINAGE FOR INTERMEDIATE DISCHARGES.
10. MOISTURE BARRIERS SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN THE WUR TO PREVENT DAMAGE.
11. PROVIDE 3 FEET MINIMUM HORIZONTAL CLEARANCE FROM AROUND THE EQUIPMENT AND APPURTENANCES MEASURED FROM THE EDGE OF THE EQUIPMENT AND APPURTENANCES.
12. THE WUR MUST BE FIRE RATED FOR ONE HOUR PER THE FIRE & RESCUE DEPARTMENT.
13. IDENTIFY THE TYPE OF EQUIPMENT CONTAINED WITHIN THE WUR WITH APPROPRIATE SIGNAGE. NO OTHER ADDITIONAL POINT OF ACCESS TO AND FROM THE WUR.
14. TO PURCHASE A KEY BOX CONTACT THE KNOX COMPANY (800) 552-5669 AND PROVIDE THE PUBLIC UTILITIES DEPARTMENT, SYSTEM CODE: SS-01-0503-05-14.
15. KNOX KEY BOX TO BE INSTALLED ADJACENT TO THE WUR ENTRANCE WITHIN 4 - 6 FEET.
16. ONCE THE KNOX BOX IS INSTALLED, NOTIFY THE PUBLIC UTILITIES DEPARTMENT, CROSS CONNECTION CONTROL UNIT TO LOCK THE KEY BOX.
17. USE OF STANDARD DRAWING **SDW-141** REQUIRES THE PROPERTY OWNER TO EXECUTE A HOLD HARMLESS AGREEMENT (DS-268). THIS STANDARD DRAWING MAY NOT BE USED WITHOUT FULLY EXECUTED HOLD HARMLESS AGREEMENT BEING SUBMITTED WITH THE PLANS.
18. MINIMUM FLOOR TO CEILING HEIGHT SHALL BE 7 FEET.

REVISION	BY	APPROVED	DATE	CITY OF SAN DIEGO – STANDARD DRAWING	RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
ORIGINAL	BB	J. NAGELVOORT	10/14		BACKFLOW PREVENTERS WET UTILITY ROOM INSTALLATION
UPDATED	FG	J. NAGELVOORT	07/15		
REDRAFTED	CD	J. NAGELVOORT	09/18		
UPDATED	RC	R. AMEN	05/26		
				DRAWING NUMBER	