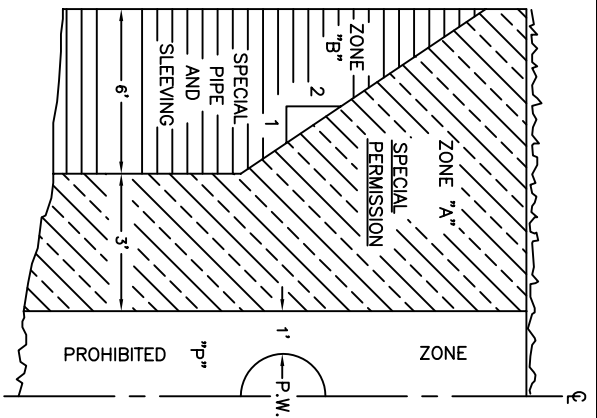


RECYCLED WATER MAIN
PARALLEL TO SEWER MAINS

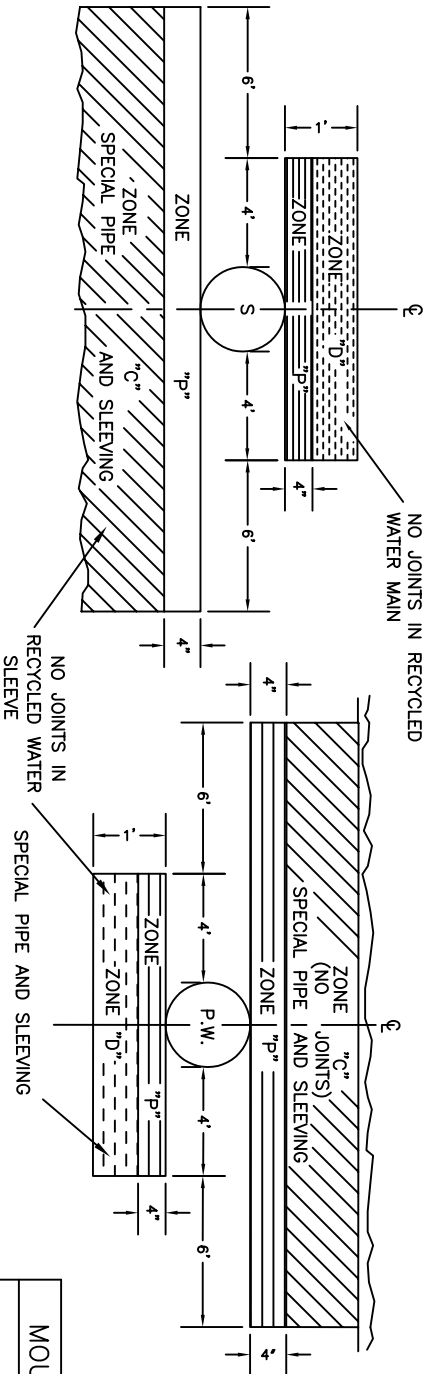


RECYCLED WATER MAIN
PARALLEL TO WATER MAINS

- SPECIAL CONSTRUCTION REQUIRED FOR RECYCLED WATER ZONES**
- ZONE A.** NO RECYCLED WATER MAINS PARALLEL TO POTABLE WATER MAINS OR A SANITARY SEWER SHALL BE CONSTRUCTED WITHOUT APPROVAL FROM COUNTY AND STATE HEALTH SERVICES AND MWD.
 - ZONE B.** THE RECYCLED WATER MAIN SHALL BE CONSTRUCTED OF:
 1. SCH.40, SCH.80, OR CLASS 315 PVC PIPE
 2. PIPING SHALL BE INSTALLED IN A PIPE SLEEVE CONSISTING OF PURPLE SCH 40 PVC PIPING OR GREATER.
 - ZONE C.** THE RECYCLED WATER MAIN SHALL HAVE NO JOINTS IN ZONE C AND BE CONSTRUCTED OF:
 1. SCH.40, SCH.80, OR CLASS 315 PVC PIPE
 2. PIPING SHALL BE INSTALLED IN A PIPE SLEEVE CONSISTING OF PURPLE SCH 40 PVC PIPE OR GREATER NO JOINTS ARE ALLOWED IN THE ZONE.
 - ZONE D.** THE WATER MAIN SHALL HAVE NO JOINTS WITHIN THE ZONE AND SHALL BE CONSTRUCTED OF:
 1. SCH 40, SCH.80, OR CLASS 315 PVC PIPE
 2. PIPING SHALL BE INSTALLED IN A PIPE SLEEVE CONSISTING OF PURPLE SCH 40 PVC PIPE OR GREATER NO JOINTS ARE ALLOWED WITHIN THE ZONE.
 - ZONE P.** NO WATER MAIN SHALL BE CONSTRUCTED PER SECTION 64630(2) CALIFORNIA ADMINISTRATIVE CODE, TITLE 22.

BASIC SEPARATION STANDARDS

1. PARALLEL CONSTRUCTION: THE HORIZONTAL DISTANCE BETWEEN PRESSURE POTABLE WATER AND RECYCLED WATER MAINS AND SEWER LINES SHALL BE AT LEAST 10 FEET.
2. PERPENDICULAR CONSTRUCTION (CROSSING): PRESSURE POTABLE WATER MAINS SHALL BE AT LEAST ONE FOOT ABOVE SANITARY SEWER AND RECYCLED WATER LINES WHERE THESE LINES MUST CROSS.
3. 4 - 45° FITTING SHALL BE USED TO RAISE OR LOWER THE MAINLINE TO SLEEVE DEPTH. ALL COUPLINGS AND ELBOW FITTING SHALL BE SCH 80 PVC.
4. CEMENT SLURRY PIPING ENGAGEMENTS OR OTHER CONSTRUCTION METHODS MAY BE CONSIDERED BY MWD ON A CASE BY CASE BASIS.



RECYCLED WATER MAIN
CROSSING SEWER MAINS

RECYCLED WATER MAIN
CROSSING WATER MAINS

MOULTON NIGUEL WATER DISTRICT	IRR-13
DESIGN CRITERIA FOR SEPARATION OF ONSITE WATER AND SEWER MAINS FOR NEW RECYCLED WATER MAINS	