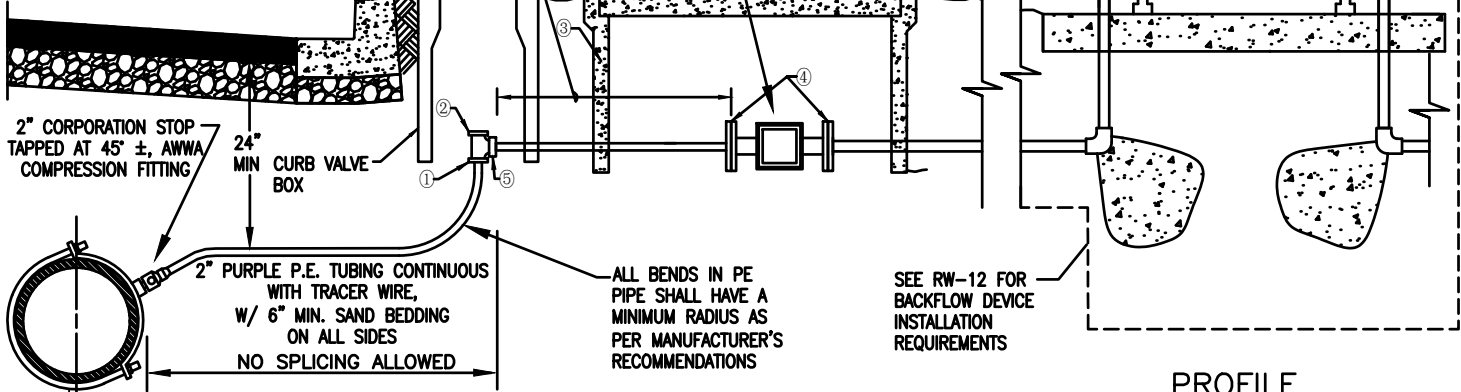


ALTERNATE MATERIALS MUST BE APPROVED BY THE DISTRICT PRIOR TO USE

BADGER RECORDALL 1 1/2" METER TO BE PROVIDED AND INSTALLED BY CONTRACTOR. METER SHALL BE LOCATED SUCH THAT ENCODER IS POSITIONED DIRECTLY BENEATH READING LID.

LID MARKED "NSD RECYCLED WATER." COLOR SHALL BE PURPLE

REFER TO TURBO METER MANUFACTURER'S INSTALLATION REQUIREMENTS FOR MINIMUM STRAIGHT LENGTH



2" CORPORATION STOP TAPPED AT 45° ±, AWWA COMPRESSION FITTING

24" MIN CURB VALVE BOX

2" PURPLE P.E. TUBING CONTINUOUS WITH TRACER WIRE, W/ 6" MIN. SAND BEDDING ON ALL SIDES NO SPLICING ALLOWED

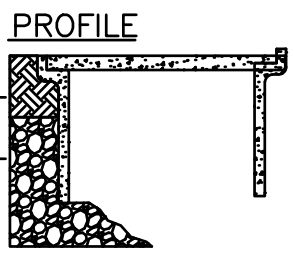
ALL BENDS IN PE PIPE SHALL HAVE A MINIMUM RADIUS AS PER MANUFACTURER'S RECOMMENDATIONS

SEE RW-12 FOR BACKFLOW DEVICE INSTALLATION REQUIREMENTS

DOUBLE STRAP BRONZE SERVICE SADDLE WITH SST BANDS

Item No.	CONSTRUCTION ITEMS - SIZE AND DESCRIPTION
①	2" CORPORATION STOP, AWWA COMPRESSION FITTING FOR PE PIPE
②	2" BRONZE ANGLE BALL METER VALVE WITH LOCKWING
③	13"x24" METER BOX W/ H20 RATED STEEL LID W/ RECYCLED WATER INSCRIBED. LID EQUIPPED WITH HINGED READING LID.
④	BRONZE FLANGE CONNECTION SET FROM METER MANUFACTURER.
⑤	REDUCING BUSHING AS REQUIRED FOR 1 1/2" METERS

6" OF TOPSOIL
3/4" CLEAN CRUSHED GRAVEL
- 6" MIN. ON ALL SIDES
- 6" MIN. ON BOTTOM
- INSIDE BOX TO 4" BELOW METER



DETAIL METER BOX INSTALLATION

NOTES

- CURB ADJACENT SIDEWALK: INSTALL VALVE AND METER AT CURB AS SHOWN. INSTALL BACKFLOW DEVICE BEHIND SIDEWALK.
- APPROVED BACKFLOW PREVENTION DEVICES WILL BE REQUIRED PER VOLUME III SECTION 7.
- METER BOX AND SERVICE LINE SHALL BE INSTALLED OUTSIDE OF DRIVEWAY, DRIVEWAY APPROACHES, AND OTHER VEHICULAR ACCESS WAYS.
- SERVICE SHALL BE INSTALLED A MINIMUM OF 24" FROM ANY TAP, BELL, FITTING, OR OTHER SERVICE.
- RECYCLED WATER METERS SHALL BE SET PRIOR TO ANY USE OF RECYCLED WATER SERVICE. USE OF JUMPERS, HOSE BIBS, OR OTHER DEVICES SHALL NOT BE PERMITTED.
- METERS SHALL BE PLACED A MINIMUM OF 3' FROM ANY OBSTRUCTION (SIGN POST, MAIL BOX, FENCES, WALLS, ETC.). NO TREES SHALL BE PLANTED WITHIN 10' OR LARGE SHRUBS WITHIN 5' OF THE METER BOX. SEE STANDARDS FOR ADDITIONAL REQUIREMENTS.
- WHEN TWO OR MORE NEW SERVICES ARE INSTALLED CLOSE TOGETHER, PERMANENT ADDRESS TAGS SHALL BE INSTALLED ON EACH METER SETTER SPECIFYING THE ADDRESS IT WILL BE SERVING. ADDRESS TAGS SHALL BE STAMPED METAL OR PLASTIC TAGS, AND SHALL BE INSTALLED PRIOR TO INSTALLATION OF RECYCLED WATER METERS.
- SERVICES SHALL BE SIZED APPROPRIATELY FOR THE INTENDED USE OF THE SERVICE. DISTRICT MAY REQUEST AN ENGINEERED ANALYSIS OF THE SYSTEM (NEW OR EXISTING) TO EVALUATE THE APPROPRIATENESS OF THE RECYCLED WATER SERVICE SIZE. NO UNDERSIZED WATER SERVICES SHALL BE PERMITTED.
- METER SHALL BE PURCHASED THROUGH METER VALVE AND CONTROL WITH SETTING APPROPRIATE FOR THE MST RW AREA (DRIVE-BY READING). A THROUGH THE LID (TTL) ANTENNAE SHALL BE INSTALLED CONNECTING TO THE METER'S ENCODER RECEIVER TRANSMITTER (ERT). INCLUDE OPTIONAL SST CABLE ARMOR. AN ISOLATION VALVE SHALL BE INSTALLED DIRECTLY DOWNSTREAM OF THE METER. METER TO INCLUDE STRAINER.
- #10 AWG SOLID COPPER THHN-THHN WIRE TO BE CONNECTED AT ALL SPLICES WITH SILICONE FILLED DIRECT BURIED WIRE NUTS. EXTEND TRACER WIRE TO METER BOX.
- PAINT BOX INTERIOR, EXTERIOR AND EXPOSED PIPING PURPLE (PANTONE 512C).
- NO SPLICES WILL BE PERMITTED BETWEEN CORPORATION STOP AND ANGLE METER STOP. IF SERVICE RUN EXCEEDS 20 FEET, A SILVER SOLDER COUPLING SHALL BE USED.

NAPA SANITATION DISTRICT



TITLE
2" RECYCLED WATER SERVICE LATERAL FOR 1 1/2" METERS

DATE: JUN 2021
CHECKED BY: SK
APPROVED BY: AD
SCALE: NONE

DRAWING NO.
RW-7