

AVISO AGUA IMPURA NO TOMAR

BACK

NOTES:

- 1. TAG WILL BE MANUFACTURED FROM POLYURETHANE BEHR DESOPAN, INCORPORATING AN INTEGRAL ATTACHMENT NECK AND REINFORCED ATTACHMENT HOLE AND WILL BE CAPABLE OF WITHSTANDING 180 LBS. PULL FORCE.
- 2. THE TAG COLOR WILL BE OSHA SAFETY PURPLE WITH BLACK LETTERS.
- 3. ATTACH TAG WITH NYLON TIE.

APPROVED: UTILITY E	DATE 4-2-2014 NGINEER	CITY OF ESCONDIDO UTILITY DEPARTMENT	SCALE: NOT TO SCALE
REVISED	APPROVED	RECYCLED WATER STANDARD TAG	STANDARD DRAWING NO. RW-1-E



1. Pipe Identification (mutually exclusive choices)

- a. All new buried PVC pressure pipes for recycled water shall be OSHA safety purple in color and marked on opposite sides to read "CAUTION RECYCLED WATER DO NOT DRINK" in intervals not to exceed 5' with 3/8" high letters. The recycled water PVC piping shall be installed with detectable tape.
- b. All new buried recycled water pipe that is not PVC shall be installed with warning tape. The plastic warning tape shall be an inert plastic film specifically formulated for prolonged underground use and shall be prepared with black printing on a OSHA safety purple field having the words "CAUTION RECYCLED WATER" in 1" high letters. The minimum thickness shall be 4 mils and the overall width of the tape shall be 12".

Warning tape shall be installed directly on the top of the pipe longitudinally and shall be centered. The warning tape shall be installed continuously for the entire length of the pipe and shall be fastened to each pipe length by plastic adhesive tape banded around the pipe and warning tape at no more than 5' intervals. Taping attached to the sections of pipe before laying in the trench shall have 5' minimum overlap for continuous coverage.

c. All exposed recycled water piping which is above ground or in vaults shall be primed and painted with two coats of OSHA safety purple rust proof paint and shall be marked with tagging, warning tape or painted letters stating "CAUTION: RECYCLED WATER – DO NOT DRINK." Ultra-violet protection of PVC pipe must be provided.

If materials and warning tape are not available, other methods of identification may be approved the City of Escondido upon approval from the San Diego County Department of Health Services.

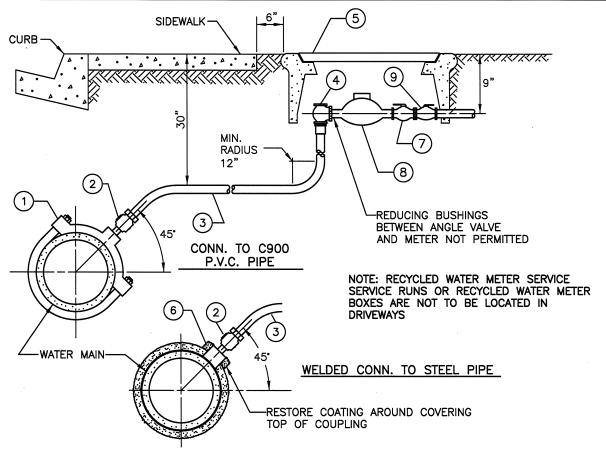
2. Magnetic Warning/Locating Tape

This tape is to be placed longitudinally and centered above all buried pressurized PVC recycled water pipe, approximately 24" directly above the top of the pipe. The fastening tape shall be wrapped/tied tightly around the pipe and loosely around the magnetic tape. Other means of attaching the tape to the pipe during backfill of trench may be used if suitable for the job as determined by the agency of the inspector. The minimum tape width shall be 6".

The tape must be printed with the following words: "CAUTION: RECYCLED WATER – DO NOT DRINK"

APPROVED: UTILITY E	DATE: 4-2-2014 ENGINEER	CITY OF ESCONDIDO UTILITY DEPARTMENT	SCALE: NOT TO SCALE
REVISED	APPROVED	RECYCLED WATER	STANDARD DRAWING NO.
	·	PIPE IDENTIFICATION & WARNINGS	RW-2-E





FOR COMPONENT DETAILS REFER TO THE CITY OF ESCONDIDO UTILITIES APPROVED MATERIALS LIST LOCATED ON THE CITY WEBSITE.

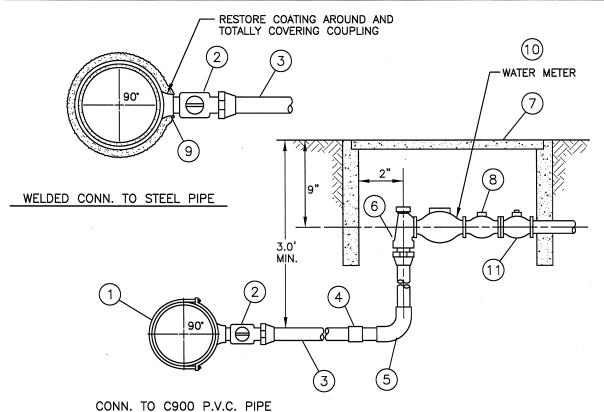
SEE THE CITY OF ESCONDIDO'S "RULES AND REGULATION FOR RECYCLED WATER"
FOR COMPLETE DETAILS ALL COMPONENTS SHALL BE COLORED OSHA SAFTEY
PURPLE OR LABLED "RECYCLED"

LEGEND ON PLANS
----(RW)

ITEM NO.	DESCRIPTION	MATERIAL SPECIFICATIONS	REMARKS
1	DOUBLE STRAP SADDLE AWWA TAPER THREAD CC OR CS		FLAT STRAPS
2	CORPORATION STOP MALE AWWA TAPER THREAD CC OR CS X PACK JOINT (1" ONLY)		
3	REQ'D TUBING, COPPER SERVICE SIZE (1" ONLY) INSTALL WARNING TAPE PER RW-2-E, 1.b.	TYPE 'K' SOFT	
4	ANGLE BALL VALVE WITH LOCK WING COMPRESSION NUT. WITH A $\frac{5}{8}$ " $\frac{7}{8}$ " METER, THE REDUCTION SHALL BE IN THE ANGLE VALVE. TAG ANGLE VALVE PER RW-1-E.		
5	METER BOX — #4½-OSHA SAFETY PURPLE POLYMER/COMPOSITE — IMPRINTED "RECYCLED WATER" TO BE SUPPLIED BY CITY.	PLASTIC/CONCRETE	1 PIECE LID
6	HIGH PRESSURE FORGED STEEL COUPLING (1" ONLY)	3,000 PSI	WELD TO PIPE
7	BALL VALVE - SUPPLIED BY CITY		NO SUBSTITUTIONS
8	METER TO BE PAINTED OSHA SAFETY PURPLE — TO BE PURCHASED FROM CITY.		SUBSTITUTIONS
9	TEST COCK - BRASS BALL VALVE, 1/2"-1"		

APPROVED LUTILITY E	DATE: 4-2-2014 ENGINEER	CITY OF ESC UTILITY DEPARTM		SCALE: NOT TO SCALE
REVISED	APPROVED	4." DEOVOLED WATE	- O-D-40-	STANDARD DRAWING NO.
		1" RECYCLED WATI FOR 3/4" AND 1		RW-3-E





FOR COMPONENT DETAILS REFER TO THE CITY OF ESCONDIDO UTILITIES APPROVED MATERIALS LIST LOCATED ON THE CITY WEBSITE.

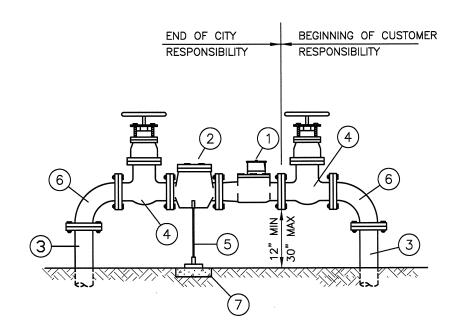
SEE THE CITY OF ESCONDIDO'S "RULES AND REGULATION FOR RECYCLED WATER" FOR COMPLETE DETAILS ALL COMPONENTS SHALL BE COLORED OSHA SAFTEY PURPLE OR LABLED "RECYCLED"

LEGEND ON PLANS
----(RW)

ITEM NO.	DESCRIPTION	REMARKS
①	SERVICE CLAMP (2" ONLY)	FLAT STRAPS
2	CORPORATION STOP - INSTALL WITH KEY ON SIDE AND OPEN TAP (2" ONLY)	
3	COPPER TUBING — TYPE 'K' SOFT (2" ONLY). INSTALL WARNING TAPE PER RW—2—E, 1.b.	
④	COPPER COUPLING WHEN SERVICE IS OVER 20' - SILVER SOLDER (2" ONLY)	
⑤	COPPER 90° SLIP FITTING (SILVER SOLDER ONLY)	
6	ANGLE BALL VALVE WITH LOCK WING. INLET COMP/OUTLET METER FLANGE — TAG ANGLE VALVE PER RW-1-E.	
Ø	METER BOX — BROOKS #6 — OSHA SAFETY PURPLE POLYMER/COMPOSITE — REFER TO S.D.R.S.D WS—03 FOR LOCATION — LID TO BE IMPRINTED "RECYCLED WATER" — SUPPLIED BY CITY	1 PIECE LID
8	BALL VALVE - SUPPLIED BY CITY	NO SUBSTITUTIONS
9	HIGH PRESSURE FORGED STEEL COUPLING 2" F.I.P., WELDED TO PIPE	3,000 PSI STEEL
0	METER TO BE PAINTED OSHA SAFETY PURPLE — TO BE PURCHASED FROM CITY	
0	TEST COCK - BRASS BALL VALVE	

APPROVED:	DATE: 4-2-2014 ENGINEER	CITY OF ESCONDIDO SCALE: NOT TO SCALE
REVISED	APPROVED	STANDARD DRAWING NO
		2" RECYCLED WATER SERVICE FOR 1 1/2" AND 2" METERS RW-4-E





- WATER METER METER SHALL BE PURCHASED FROM THE CITY. METER AND STRAINER SHALL BE TYPE AND SIZE APPROVED BY THE CITY. THE CITY SHALL PROVIDE, INSTALL AND MAINTAIN METER AND STRAINER.
- 2 STRAINER SHALL BE TYPE AND SIZE APPROVED BY THE CITY AND BE SUPPLIED BY THE CITY.
- RISER SPOOLS SHALL BE CEMENT LINED & COATED STEEL WITH WELD ON RAISED FACE FLANGES OR DUCTILE IRON SPOOLS
- (4) FLANGED GATE VALVE (HUB OR HANDWHEEL) PER STANDARD DRAWING RW-8-E
- (5) VALVE SUPPORT STAND
- 6 90-DEGREE CAST IRON ELBOW
- 7 CONCRETE PAD 12" X 12" X 3 ½"

NOTES:

- A. SEE THE CITY OF ESCONDIDO'S "RULES AND REGULATIONS FOR RECYCLED WATER" FOR COMPLETE DETAILS
- B. THE VALVES AND METER TO BE TAGGED PER RW-1-E
- C. THE ASSEMBLY WILL BE PRIMED AND PAINTED PER RW-2-E, 1.c.
- D. ALL INSTALLATIONS SHALL BE ABOVE GROUND
- E. FOR COMPONENT DETAILS REFER TO THE CITY OF ESCONDIDO UTILITIES APPROVED MATERIALS LIST LOCATED ON THE CITY WEBSITE.

LEGEND ON PLANS



APPROVED: UTILITY	PATE: 4-2-2014 ENGINEER	CITY OF ESCONDIDO UTILITY DEPARTMENT	SCALE: NOT TO SCALE
REVISED	APPROVED	RECYCLED WATER	STANDARD DRAWING NO.
		METER, 3" AND LARGER	RW-5-E



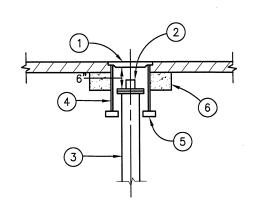
THIS PAGE INTENTIONALLY LEFT BLANK

APPROVED:	DATE: 4-2-2014	CITY		ESCONDIDO	SCALE:	TO SCALE
UTILITY E	NGINEER		UTILITY	DEPARTMENT		
REVISED	APPROVED				STANDARD	DRAWING NO.
					RW-	-6-E

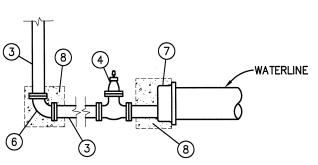


FOR COMPONENT DETAILS REFER TO THE CITY OF ESCONDIDO UTILITIES APPROVED MATERIALS LIST LOCATED ON THE CITY WEBSITE.

- (1) SET 12" O.D. C.I. GATE WELL CAP MARKED "RECYCLED WATER"
- 2 SET 4"X4" FEMALE FACED COMPANION FLANGE WITH 4" ABS PLASTIC PLUG
- (3) 4" DUCTILE IRON PIPE
- (4) C900 PVC PIPE CL235
- (5) CONC. BLOCKS.
- (6) 6" x 6" X-SECT. CONC. COLLAR.

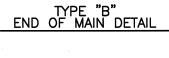


BLOW-OFF RISER DETAIL



NOTES

ALL COMPONENTS SHALL BE COLORED OSHA SAFTEY PURPLE OR LABLED "RECYCLED"



- FLANGED TEE (LINE SIZE X 4")
 SHORT RADIUS 45° FLANGED BEND
- (SAME MATERIAL AS ITEM 3)

 (3) 4" FLANGED DUCTILE IRON PIPE
- 4" RESILIENT SEATED 200 PSI FLANGED GATE VALVE PER W-4-E
- (5) VALVE WELL PER W-4-E
- (6) 90° FLANGED BEND (SAME MATERIAL AS ITEM 3)
- (7) DUCTILE IRON LINE SIZE P.O. X 4" FLANGE REDUCER
- (8) CONCRETE THRUST BLOCK PER SDRSD WT-01

WATERLINE

SEE BLOW-OFF
RISER DETAIL

3'

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

1

45'

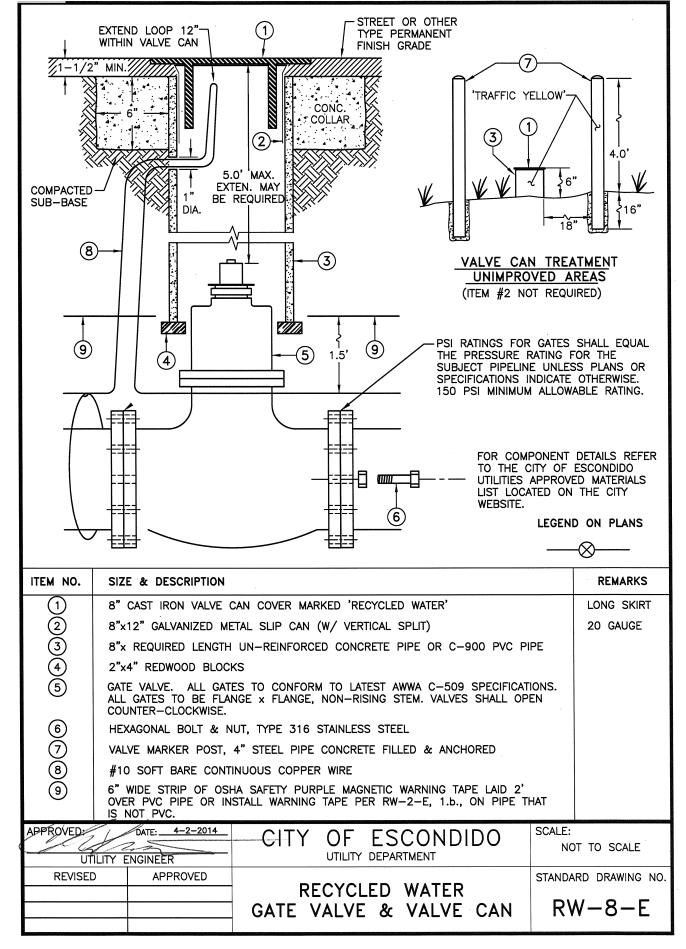
1

45'

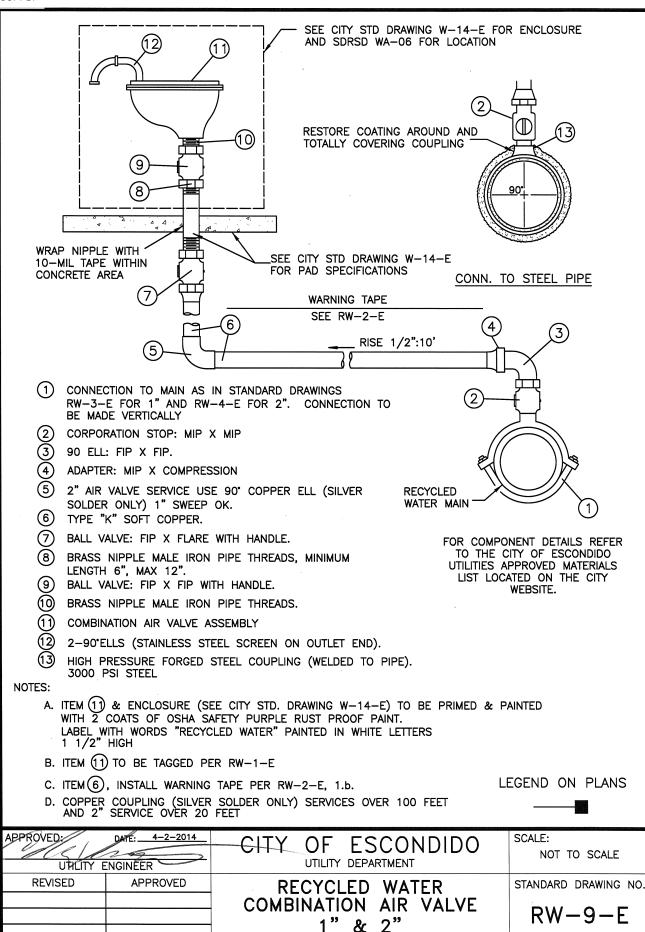
LEGEND ON PLANS

APPROVED: DATE: 4-2-2014 UTILITY ENGINEER		CITY OF ESCONDIDO UTILITY DEPARTMENT	SCALE: NOT TO SCALE
REVISED	APPROVED	DEOVOLED WATER	STANDARD DRAWING NO.
		RECYCLED WATER 4" BLOW-OFF ASSEMBLY	RW-7-E

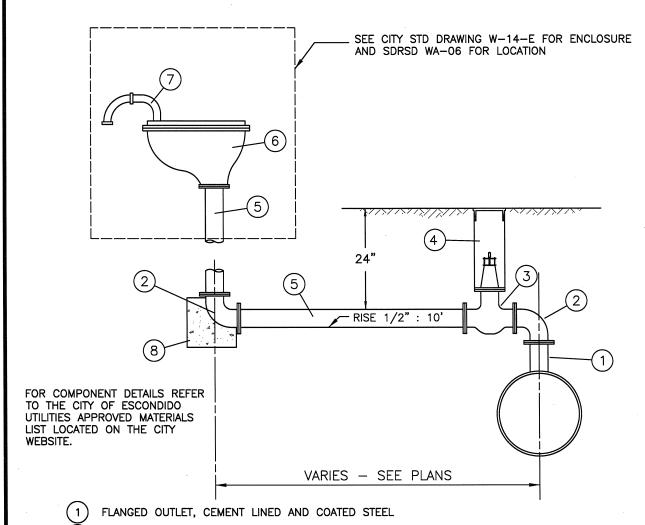












- 2) FLANGED, 90° ELL, CEMENT LINED AND COATED STEEL OR CEMENT LINED DUCTILE IRON
- (3) VALVE (SEE STD. DWG. RW-8-E)
- (4) VALVE WELL AND CAP (SEE STD. DWG. RW-8-E)
- (5) STEEL PIPE, CEMENT LINED AND COATED
- (6) COMBINATION AIR VALVE
- 7) 2 90° ELLS (SCREENED ON THE OUTLET END)
- (8) CONCRETE THRUST BLOCK PER SDRSD WT-01

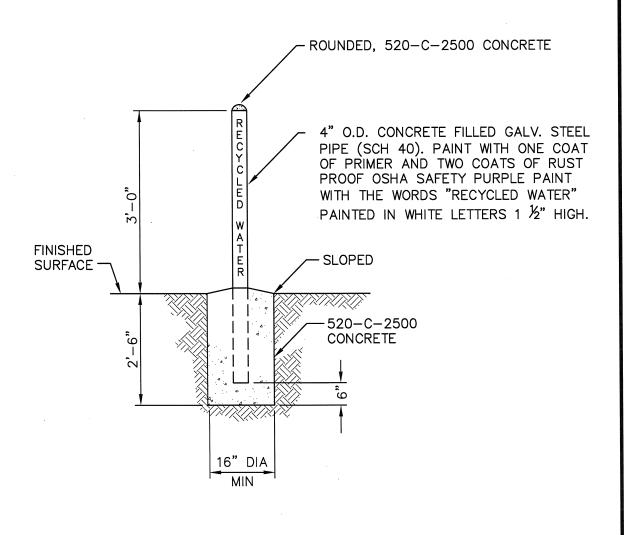
NOTES:

- A. PRIME & PAINT ENCLOSURE AND VALVE WITH 2 COATS OF OSHA SAFETY PURPLE RUST PROOF PAINT. LABEL WITH WORDS "RECYCLED WATER" PAINTED IN WHITE LETTERS 1½" HIGH.

 LEGEND ON PLANS
- B. THE AV VALVE TO BE TAGGED PER RW-1-E

APPROVED: UTILITY E	DATE: 4-2-2014 ENGINEER	CITY OF ESCONDIDO UTILITY DEPARTMENT	SCALE: NOT TO SCALE
REVISED	APPROVED	RECYCLED WATER	STANDARD DRAWING NO.
		4" COMBINATION AIR VALVE	RW-10-E





APPROVÉD: UTILITY E	MGINEER 4-2-2014	CITY OF ESCONDIDO UTILITY DEPARTMENT	SCALE: NOT TO SCALE
REVISED	APPROVED	RECYCLED WATER GUARD POST	STANDARD DRAWING NO. RW-11-E