

METER BOX NOTES

THE CITY OF TUCSON INTENDS TO AWARD AN ANNUAL REQUIREMENTS CONTRACT FOR **WATER METER BOXES AND LIDS**, TO BE DELIVERED TO THE CITY'S WATER STORES, LOCATED AT **1445 S. 11TH AVENUE**, TUCSON, ARIZONA.

ALL WATER METER BOXES AND LIDS FURNISHED UNDER THIS SPECIFICATION FOR THE CITY OF TUCSON SHALL COMPLY WITH THE PROVISIONS OF THIS SPECIFICATION.

PLASTIC METER BOX:

THE METER BOX SHALL BE BLACK AND CONSTRUCTED OUT OF A POLYETHYLENE MATERIAL BLEND FOR MAXIMUM DURABILITY AND CORROSION RESISTANCE. THE POLYETHYLENE MATERIAL BLEND SHALL HAVE A TENSILE STRENGTH GREATER THAN 1700 PSI.

1. THE POTABLE WATER METER BOX SHALL BE BLACK IN COLOR (BLENDED AT THE TIME OF MANUFACTURE) FOR MAXIMUM UV PROTECTION.
2. THE RECLAIM METER BOX SHALL BE PURPLE (PANTONE 512 BLENDED AT THE TIME OF MANUFACTURE).
3. THE METER BOX SHALL HAVE CRUSH RESISTANT RIBBING ALONG THE OUTSIDE OF THE BOX.
4. THE METER BOX SHALL HAVE A FLANGE AROUND THE LID OPENING TO HELP PREVENT SETTLING AND AIDE IN ADJUSTMENT TO GRADE.

PIPE HOLES:

1. THE PIPE HOLES FOR THE STANDARD METER BOX SHALL MEASURE 2-3/4"x3-1/2".

PLASTIC LID:

THE METER BOX LIDS SHALL BE CONSTRUCTED OUT OF A POLYETHYLENE MATERIAL BLEND FOR MAXIMUM DURABILITY AND CORROSION RESISTANCE. THE POLYETHYLENE MATERIAL BLEND SHALL HAVE A TENSILE STRENGTH GREATER THAN 1700 PSI.

1. THE POTABLE METER BOX LID SHALL BE BLACK (BLENDED AT THE TIME OF MANUFACTURE) AND HAVE "TUCSON WATER" MOLDED INTO THE LID AS WELL AS THE MANUFACTURER'S NAME OR LOGO. FRONT SHALL BE STANDARD FADAL CNC FONT WITH 1" CHARACTERS X .150 DEEP.
2. THE RECLAIMED METER BOX LID SHALL BE PURPLE (PANTONE 512 BLENDED AT THE TIME OF MANUFACTURE) AND HAVE "TUCSON RECLAIMED WATER" MOLDED INTO THE LID AS WELL AS THE MANUFACTURER'S NAME OR LOGO. FONT SHALL BE STANDARD FADAL CNC FONT WITH 1" CHARACTERS X .150 DEEP.
3. BOTH, POTABLE AND RECLAIMED METER BOX LIDS SHALL HAVE MOLDED TREAD-PATTERN FOR SKID RESISTANCE; TREAD SHALL BE .188 X .938 X .150 DEEP.
4. BOTH, POTABLE AND RECLAIMED METER BOX LIDS SHALL BE SOLID THROUGH.
5. BOTH LIDS SHALL SEAT SECURELY AND EVENLY INSIDE THE METER BOX AND SHALL NOT OVERLAP THE TOP EDGE OF THE METER BOX.

ISSUED:		STANDARD DETAIL		DETAIL NO.
6/97		METER BOX NOTES		SD-311
REVISED:				SHEET 1 OF 6
4/16				

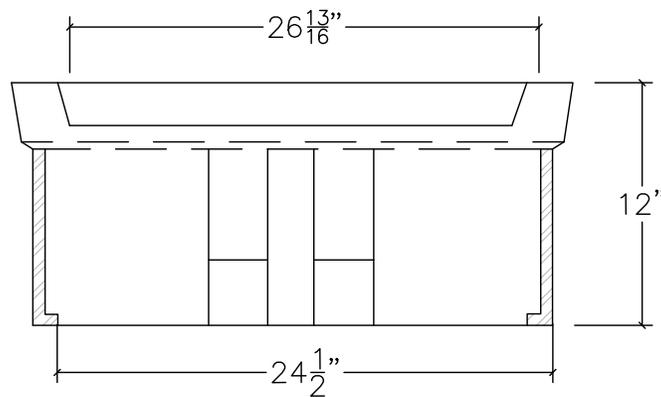
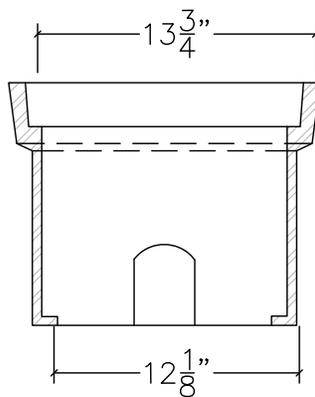
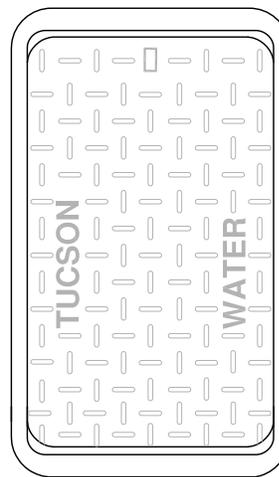
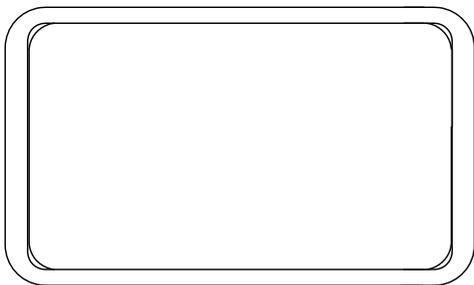
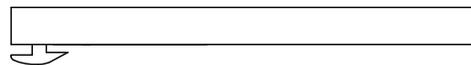
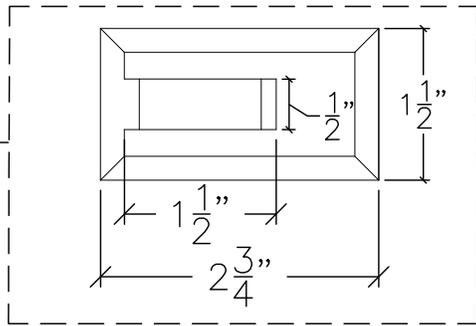
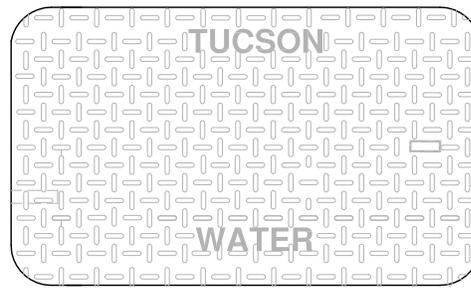
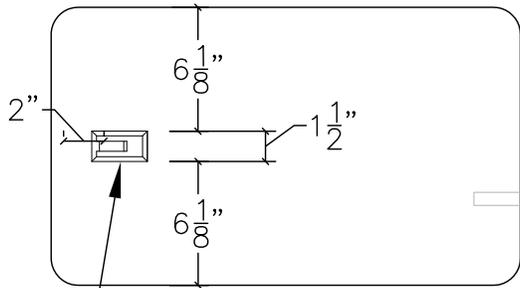
6. BOTH POTABLE AND RECLAIMED METER BOX LIDS MUST HAVE A MOLDED LIFTING HOLE FOR USE BY METER READING TOOL. THE MOLDED LIFTING HOLE SHALL CONFORM TO TUCSON WATER STANDARD DETAIL – 311

PLASTIC METER BOX LID FOR A #1 CEMENT BOX:

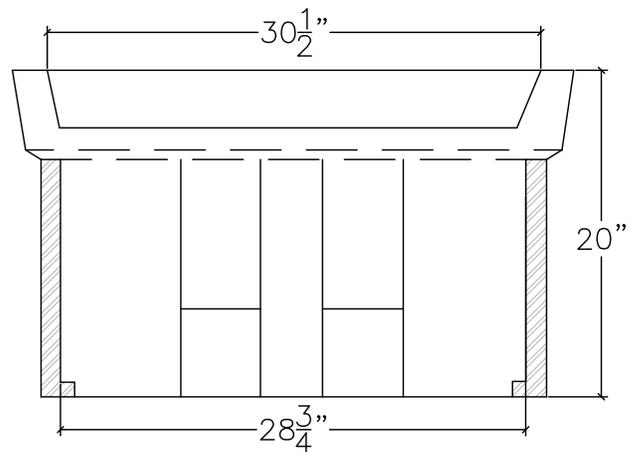
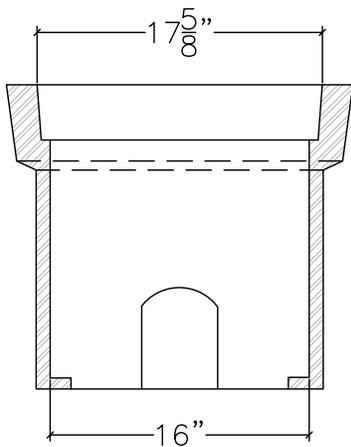
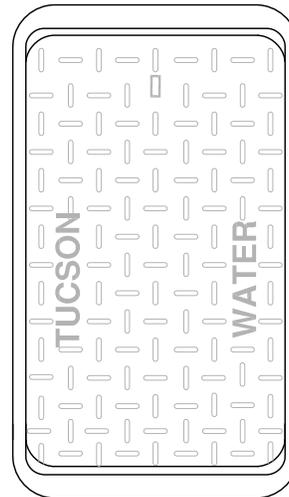
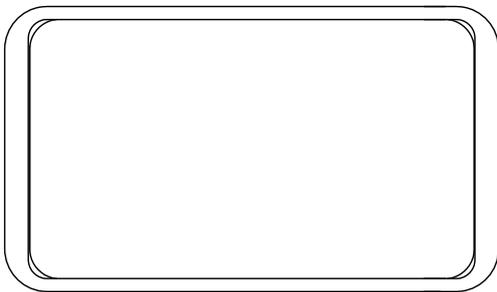
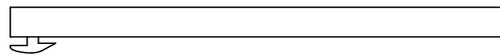
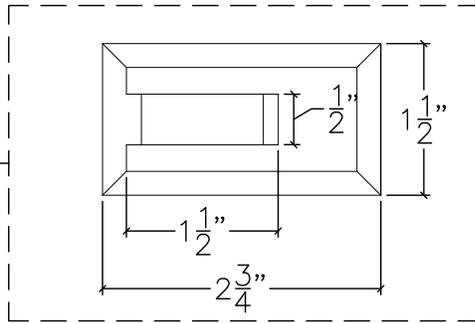
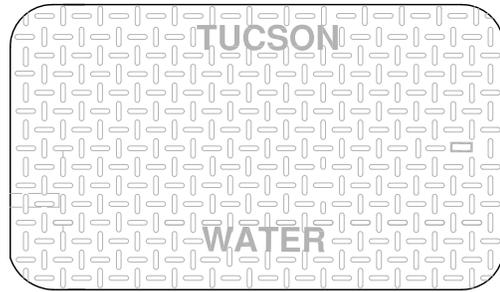
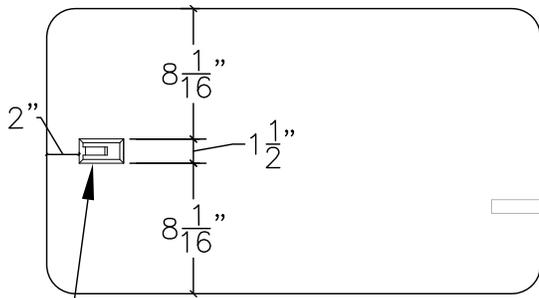
THE PLASTIC LID SHALL BE DESIGNED TO FIT A CONCRETE BOX IN RETROFIT INSTALLATIONS. THE PLASTIC METER BOX LID SHALL BE BLACK AND CONSTRUCTED OUT OF A POLYETHYLENE MATERIAL BLEND FOR MAXIMUM DURABILITY AND CORROSION RESISTANCE. THE POLYETHYLENE MATERIAL BLEND SHALL HAVE A TENSILE STRENGTH GREATER THAN 1700 PSI. THE PLASTIC LID SHALL CONFORM TO THE SPECIFICATIONS FOR THE PLASTIC RETROFIT LID FOR #1 CEMENT BOX

1. THE POTABLE METER BOX LID SHALL BE BLACK (BLENDED AT THE TIME OF MANUFACTURE) AND HAVE "TUCSON WATER" MOLDED INTO THE LID AS WELL AS THE MANUFACTURER'S NAME OR LOGO. FONT SHALL BE STANDARD FADAL CNC FONT WITH 1" CHARACTERS X .150 DEEP.
2. THE RECLAIMED METER BOX LID SHALL BE PURPLE (PANTONE 512 BLENDED AT THE TIME OF MANUFACTURE) AND HAVE "TUCSON RECLAIMED WATER" MOLDED INTO THE LID AS WELL AS THE MANUFACTURER'S NAME OR LOGO. FONT SHALL BE STANDARD FADAL CNC FONT WITH 1" CHARACTERS X .150 DEEP.
3. BOTH, POTABLE AND RECLAIMED METER BOX LIDS SHALL HAVE MOLDED TREAD-PATTERN FOR SKID RESISTANCE; TREAD SHALL BE .188 X .938 X .150 DEEP.
4. BOTH, POTABLE AND RECLAIMED METER BOX LIDS SHALL BE SOLID.
5. BOTH LIDS SHALL SEAT SECURELY AND EVENLY INSIDE THE METER BOX AND SHALL NOT OVERLAP THE TOP EDGE OF THE METER BOX.
6. BOTH, POTABLE AND RECLAIMED METER BOX LIDS MUST HAVE A MOLDED LIFTING HOLE FOR USE BY METER READING TOOL. THE MOLDED LIFTING HOLE SHALL CONFORM TO THE SPECIFICATIONS FOR PLASTIC RETROFIT LID FOR #1 CEMENT BOX (TUCSON WATER STANDARD DETAIL 311)
7. PLEASE SEE SHEET __5__ AND SHEET __6__ (RETROFIT LID "A" & "B")

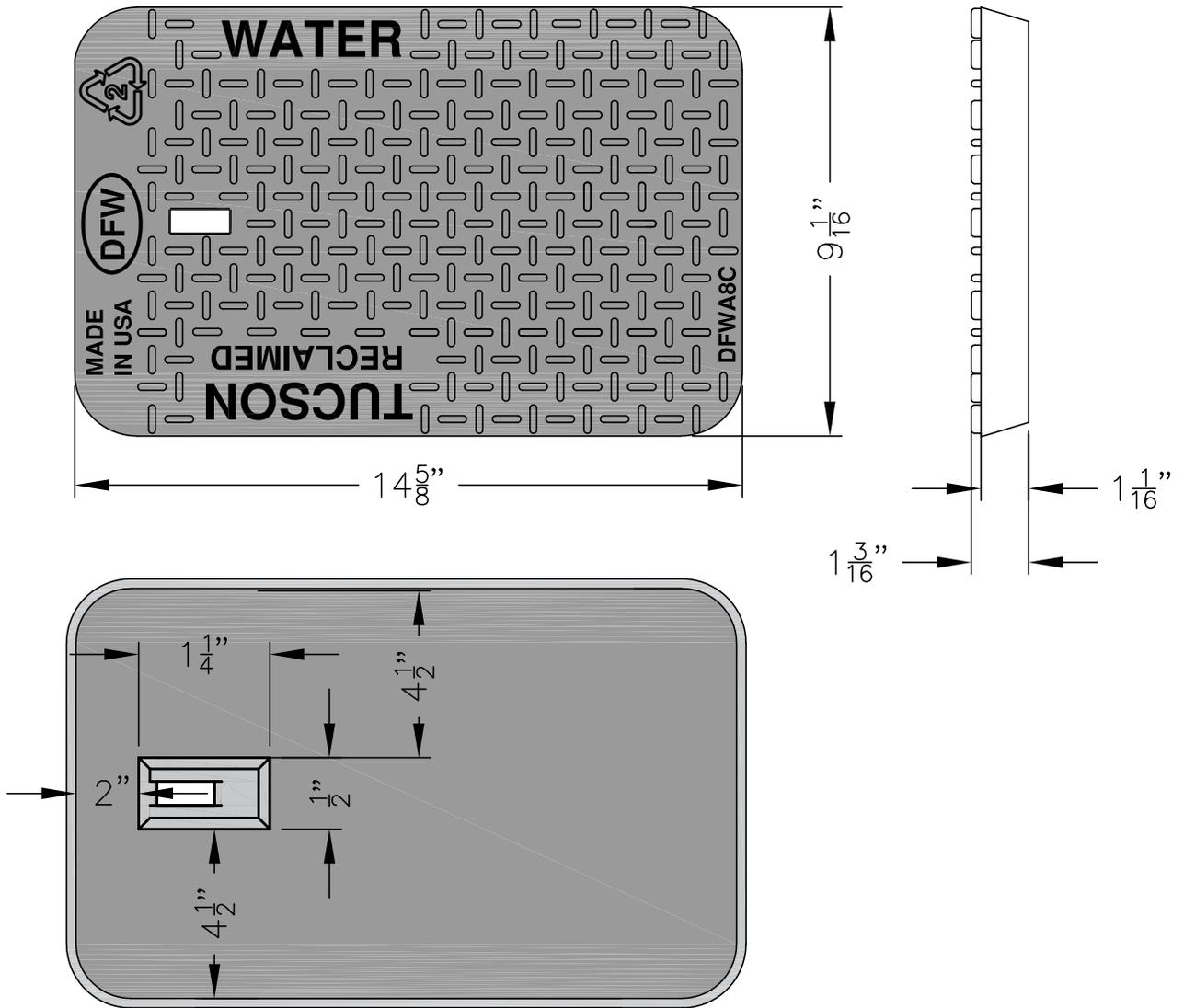
ISSUED:		STANDARD DETAIL		DETAIL NO.
6/97		METER BOX		SD-311
REVISED:		NOTES		
4/16				SHEET 2 OF 6



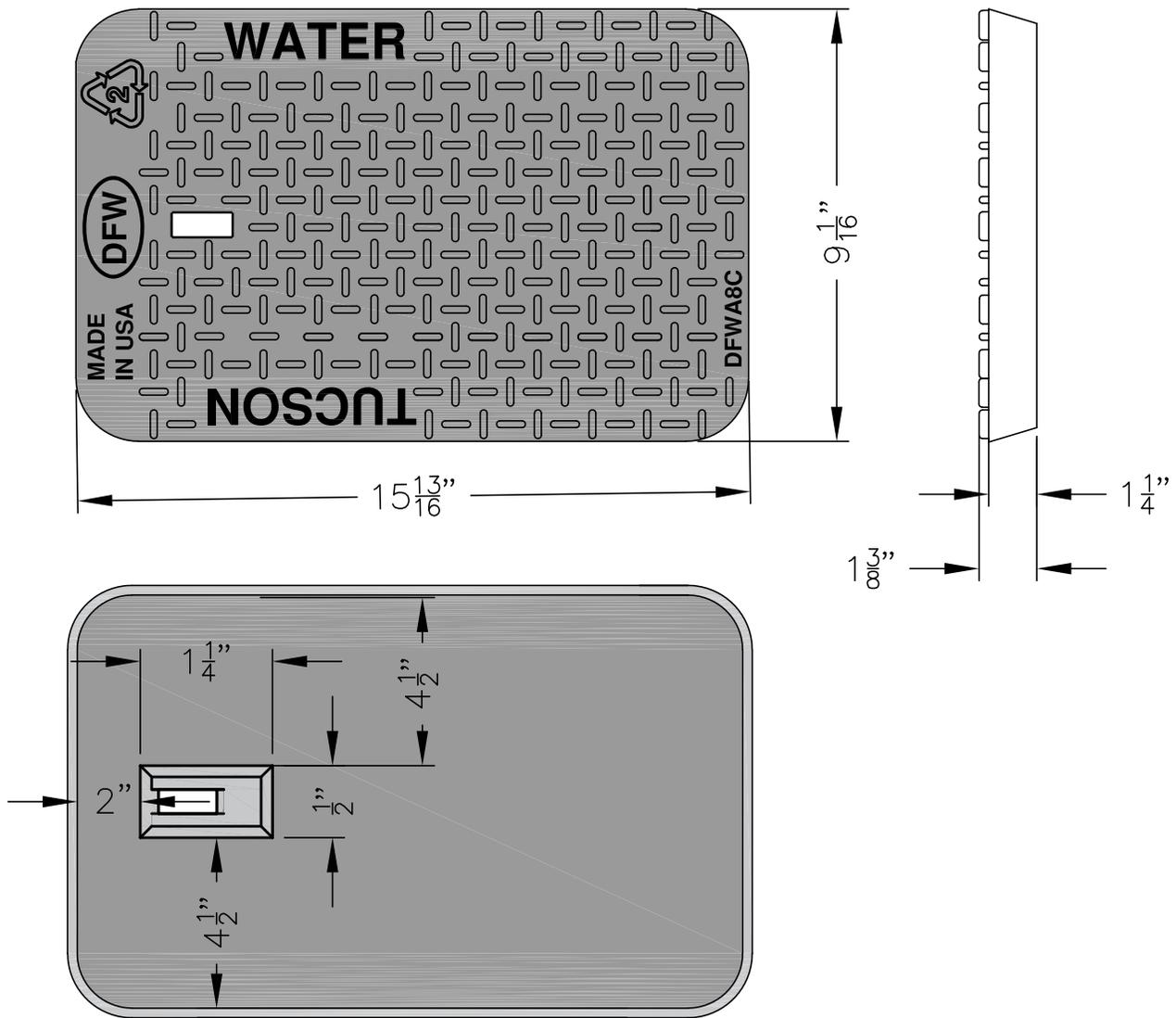
ISSUED:		STANDARD DETAIL		DETAIL NO.
5/07		STANDARD METER BOX		SD-311
REVISED:		3/4" or 1" METER		SHEET 3 OF 6
4/16				



ISSUED:		STANDARD DETAIL		DETAIL NO.
5/07		NUMBER 3 METER BOX		SD-311
REVISED:		FOR 1 1/2" OR 2" METER		SHEET 4 OF 6
4/16				



ISSUED:		STANDARD DETAIL PLASTIC RETROFIT LID FOR #1 CEMENT BOX RECLAIM		DETAIL NO.
5/07				SD-311
REVISED:				SHEET 5 OF 6
4/16				



* RECLAIM LETTERING ONLY FOR RECLAIM, POTABLE WATER SHALL NOT IDENTIFY RECLAIM.

ISSUED:		STANDARD DETAIL PLASTIC RETROFIT LID FOR #1 CEMENT BOX POTABLE		DETAIL NO.
5/07				SD-311
REVISED:				SHEET 6 OF 6
08/17				