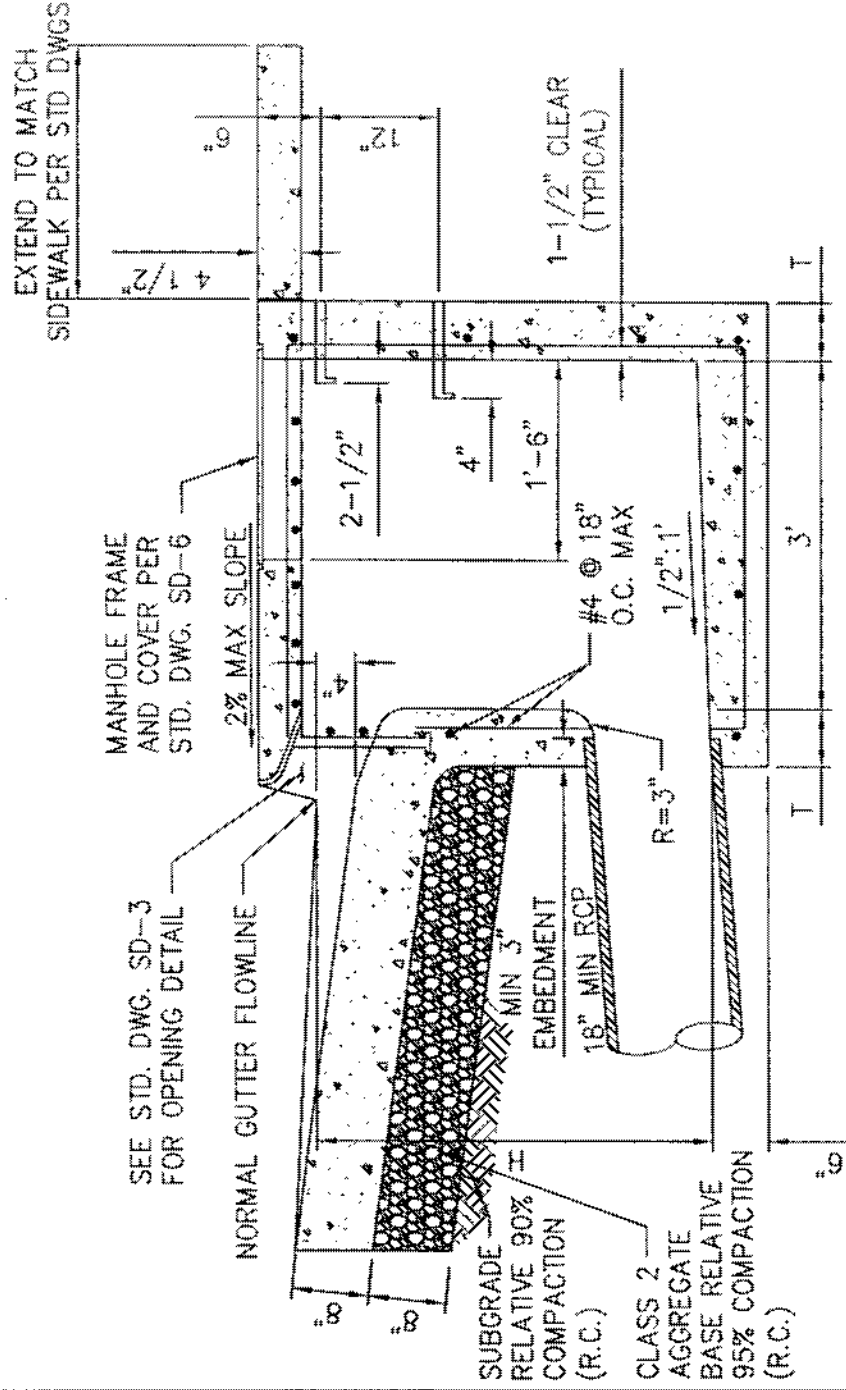
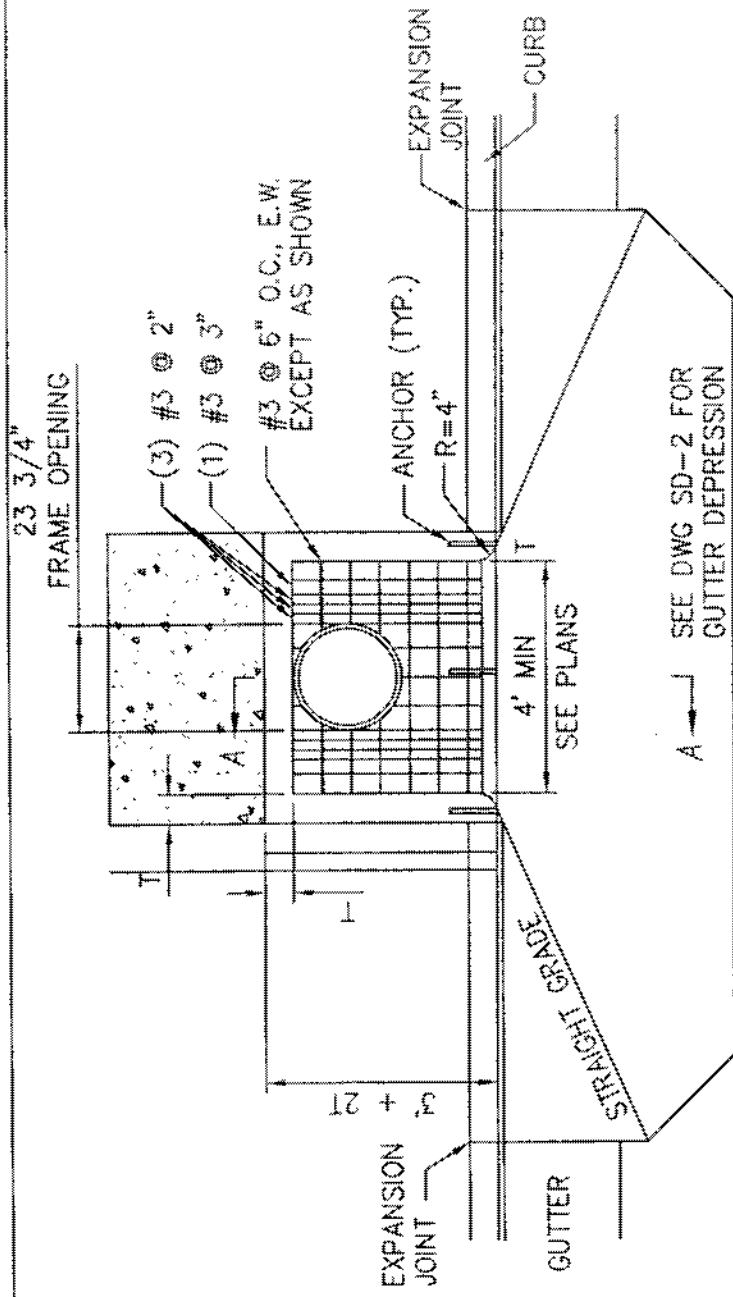


CITY OF COACHELLA
INFRASTRUCTURE DEVELOPMENT STANDARDS

DESCRIPTION	STORM DRAIN	STD. NO.
Curb Inlet Catch Basin		SD-1.1
Curb Inlet Catch Basin Notes		SD-1.2
Gutter Depression for Curb Opening Catch Basin		SD-2
Curb--Support Detail		SD--3
Standard Drywell Detail		SD-4.1
Siphon For Standard Drywell		SD-4.2
Mesh & Fabric Filter		SD-4.3
Modified Drywell Detail		SD-5.1
Siphon and Outlet Pipe for Modified Drywell		SD-5.2
Modified Drywell Vertical Drain Detail		SD-5.3
Curb Inlet Catch Basin Manhole Frame and Cover		SD-6



CITY OF COACHELLA

APPROVED:	
RC# 24870	EXP. 12/31/07
REVISION	APPROVED DATE

CURB INLET CATCH BASIN

STANDARD DRAWING NO.

SD-1.1

JUNE 2007

1. CONNECTION PIPES MAY BE PLACED ANY POSITION AROUND THE WALLS, PROVIDED THEY POINT IN THE PROPER DIRECTION AND THE POSITION IS OTHERWISE CONSISTENT WITH THE IMPROVEMENT PLANS.
2. CURVATURE OF THE LIP AND SIDEWALLS AT GUTTER OPENING SHALL BE FORMED BY CURVED FORMS AND SHALL NOT BE MADE BY PLASTERING.
3. DIMENSIONS:
 - A. $T = 6"$ IF H IS $8'$ OR LESS
 - B. $T = 8"$ IF H IS GREATER THAN $8'$ AND LESS THAN $20'$
 - C. $H = 3'-6"$, UNLESS OTHERWISE SPECIFIED
4. FLOOR OF BASIN SHALL BE GIVEN A STEEL-TROWELLED FINISH.
5. OUTLET PIPE SHALL BE TRIMMED TO THE FINAL SHAPE AND LENGTH BEFORE CONCRETE IS POURED.
6. STEPS SHALL BE BE $3/4"$ PLAIN ROUND GALVANIZED STEEL AND SHALL BE ALHAMBRA FDY. A-3320 OR EQUAL.
 - A. IF H IS 3.5 FEET OR LESS, NO STEPS ARE REQUIRED.
 - B. IF H IS MORE THAN 3.5 FEET, AND NOT MORE THAN 5', INSTALL 1 STEP 16" ABOVE FLOOR OF BASIN.
 - C. IF H IS MORE THAN 5 FEET, INSTALL STEPS 12" APART, WITH THE TOP STEP 6" BELOW THE SURFACE OF THE BASIN.
 - D. ALL STEPS SHALL BE 4" FROM THE WALL, EXCEPT THE TOP STEP, WHICH SHALL BE $2\ 1/2"$ (CLEAR) FROM THE WALL, AND ANCHORED NOT LESS THAN 5 INCHES IN THE WALL OF THE BASIN.
7. SURFACE OF ALL EXPOSED CONCRETE IN BASIN SHALL CONFORM IN SLOPE, GRADES, COLOR, FINISH AND SCORING TO EXISTING OR PROPOSED CURB AND WALL ADJACENT TO THE BASIN.
8. CONCRETE SHALL BE CLASS 560-C-3250. WHEN THE BASIN IS CONTIGUOUS TO A SIDEWALK, THE TOP OF THE BASIN SHALL BE POURED MONOLITHIC. CONCRETE FOR THE SIDEWALK AND THE TOP OF THE CATCH BASIN FINISHED PER SIDEWALK STANDARDS.
9. IF CATCH BASIN WIDTH EXCEEDS 9'-0", INSTALL 2 MH FRAME COVERS; ONE AT EACH END, 2' CLEAR FROM END.
10. COMPACT BACKFILL TO 90% MINIMUM WITH THE TOP 12" COMPACTED TO 95% MINIMUM UNDER PAVING.

CITY OF COACHELLA

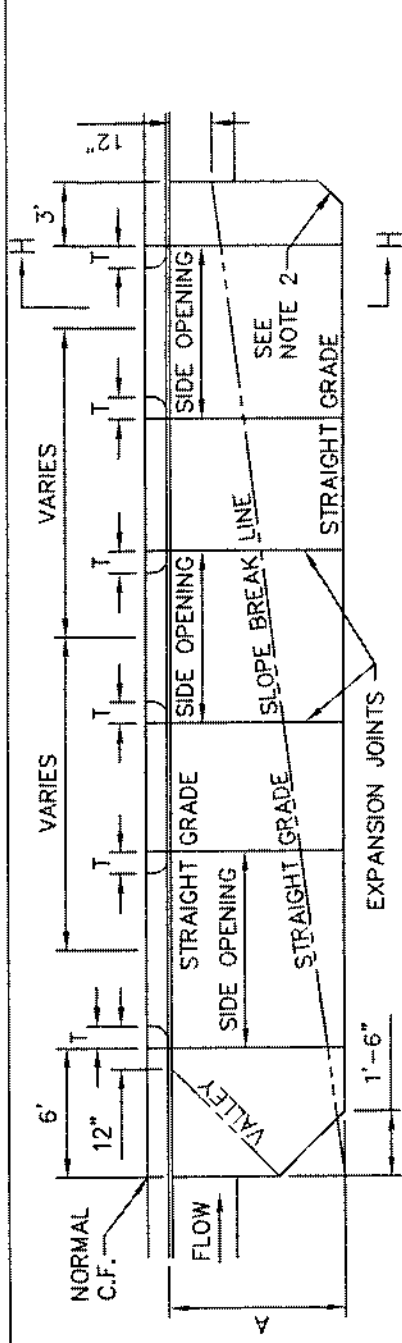
APPROVED: 	
RCE 24874	EXP 12/31/07
REVISION	APPROVED DATE

CURB INLET CATCH BASIN NOTES

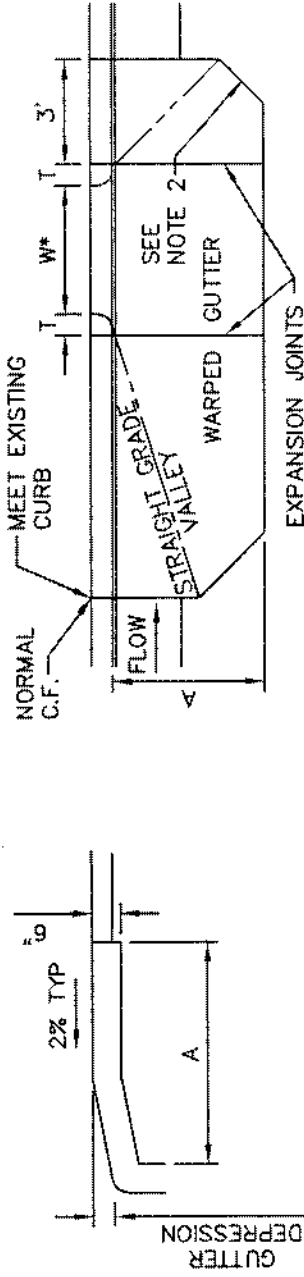
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SD-1.2

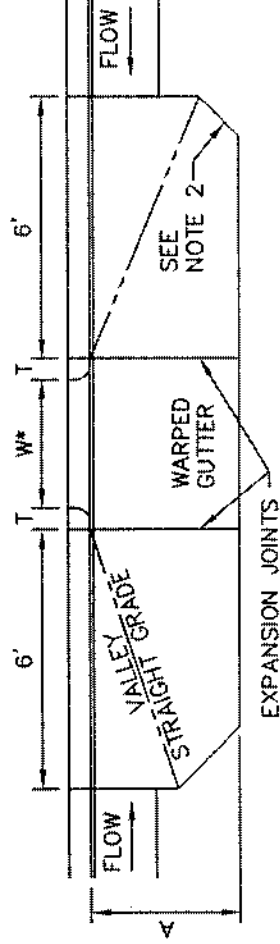
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CASE A
(MULTIPLE CATCH BASINS)



CASE B
(CONTINUOUS GRADE)



CASE C
(SAG)

NOTES:

1. GUTTER DEPRESSION SHALL BE CASE B UNLESS OTHERWISE NOTED ON PROJECT DRAWINGS.
 2. ELEVATION OF OUTER CORNERS SHOWN ON PROJECT. IF NO ELEVATIONS ARE SPECIFIED, THE OUTER EDGE GUTTER DEPRESSION SHALL CONFORM TO FINISHED STREET SURFACE.
 3. A = 4 FEET UNLESS OTHERWISE SPECIFIED. T = (SEE STD. DWG. SD-1.2)
 4. WHERE NO CURB EXISTS, CURBS SHALL BE CONSTRUCTED BETWEEN ENDS OF GUTTER DEPRESSION. CURB SECTION SHALL CONFORM TO A STANDARD CURB APPROVED BY THE CITY ENGINEER.
 5. DEPRESSION SHALL BE CLASS 560-C-3250 P.C. CONCRETE, PLACED OVER COMPACTED NATIVE OR AGGREGATE BASE MATERIALS. COMPACTION SHALL BE 90% RELATIVE TO MAXIMUM, EXCEPT IN THE TOP FOOT WHERE THE RELATIVE COMPACTION SHALL BE 95% MINIMUM.
- * CATCH BASIN OPENING = NORMAL CURB HEIGHT + 4 INCHES UNLESS OTHERWISE SPECIFIED.

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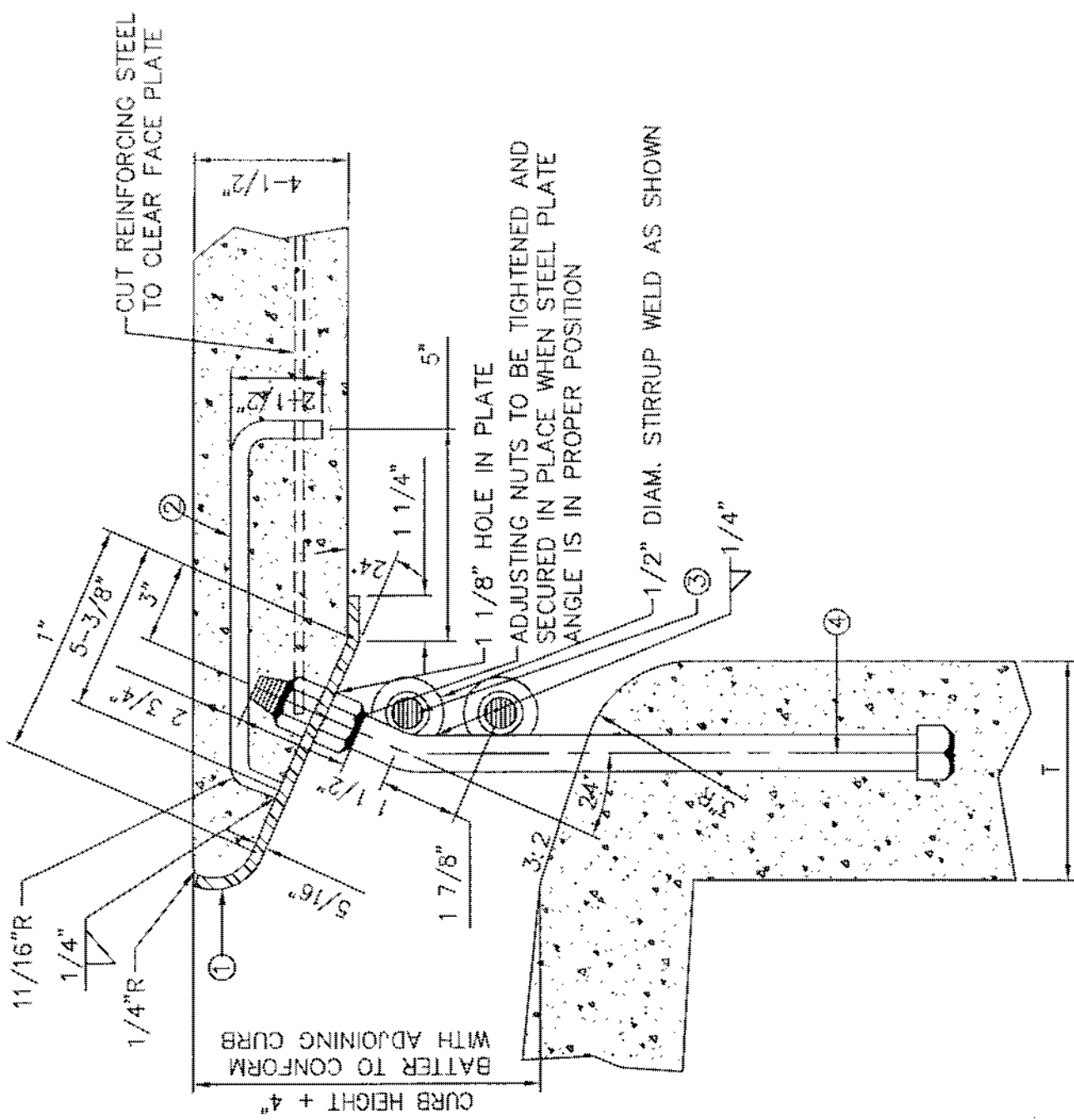
**GUTTER DEPRESSION
FOR CURB OPENING
CATCH BASIN**

STANDARD DRAWING NO.

SD-2

JUNE 2007

SEE STANDARD DRAWING SD-1.1



SECTION THROUGH CURB FACE

- ① FACE PLATE 5/16"x10" ROLLED PLATE (ASTM A36) FORMED AS SHOWN. (ALHAMBRA FOUNDRY A-3911 OR EQUIV.) EXTEND LENGTH OF BOX.
- ② FACE PLATE ANCHOR 1/2" DIA. STEEL ANCHOR 42" O.C. MAX. PLACE AS SHOWN.
- ③ PROTECTION BAR: PLAIN ROUND STEEL BAR 1" DIA. SHALL BE INSTALLED WHEN NORMAL CURB HEIGHT IS GREATER THAN 6". THE BAR SHALL BE EMBEDDED 5" AT EACH END.
- ④ SUPPORT BAR 2" DIA. x 20" LONG W/ SQ. HEAD AND HEX NUT, BEND AS SHOWN. SPACING SHALL NOT EXCEED 4 FEET.
- ⑤ ALL EXPOSED METAL PARTS SHALL BE GALVANIZED.

CITY OF COACHELLA

APPROVED:

Tom O'Connor
RCE 24876 EXP. 12/31/07

REVISION	APPROVED	DATE

STANDARD DRAWING NO.

CURB-SUPPORT DETAIL

SD-3

JUNE 2007

FOR INSTALLATION IN STREET AREAS, A CLASS 100-E-100 SLURRY SHALL BE USED IN LIEU OF COMPACTED BACKFILL. A MIN. 3" A.C. SHALL BE PLACED OVER SLURRY.

24" DIAMETER CAST IRON GRATE & FRAME PER SD-6. ADAPT AS REQUIRED FOR 'V' GUTTER AND CURB & GUTTER INSTALLATION. SET RIM TO GRADE WITH PRECAST RISERS.

COMPACT BACKFILL TO 90% R.C. WITH TOP 12" COMPACTED TO 95% R.C.

48" DIAM. PRECAST MANHOLE CONE

8" PVC DOWN DRAIN WITH FILTERED COLLAR PER DWG SD-4.2

PRECAST REINFORCED CONC. SLAB

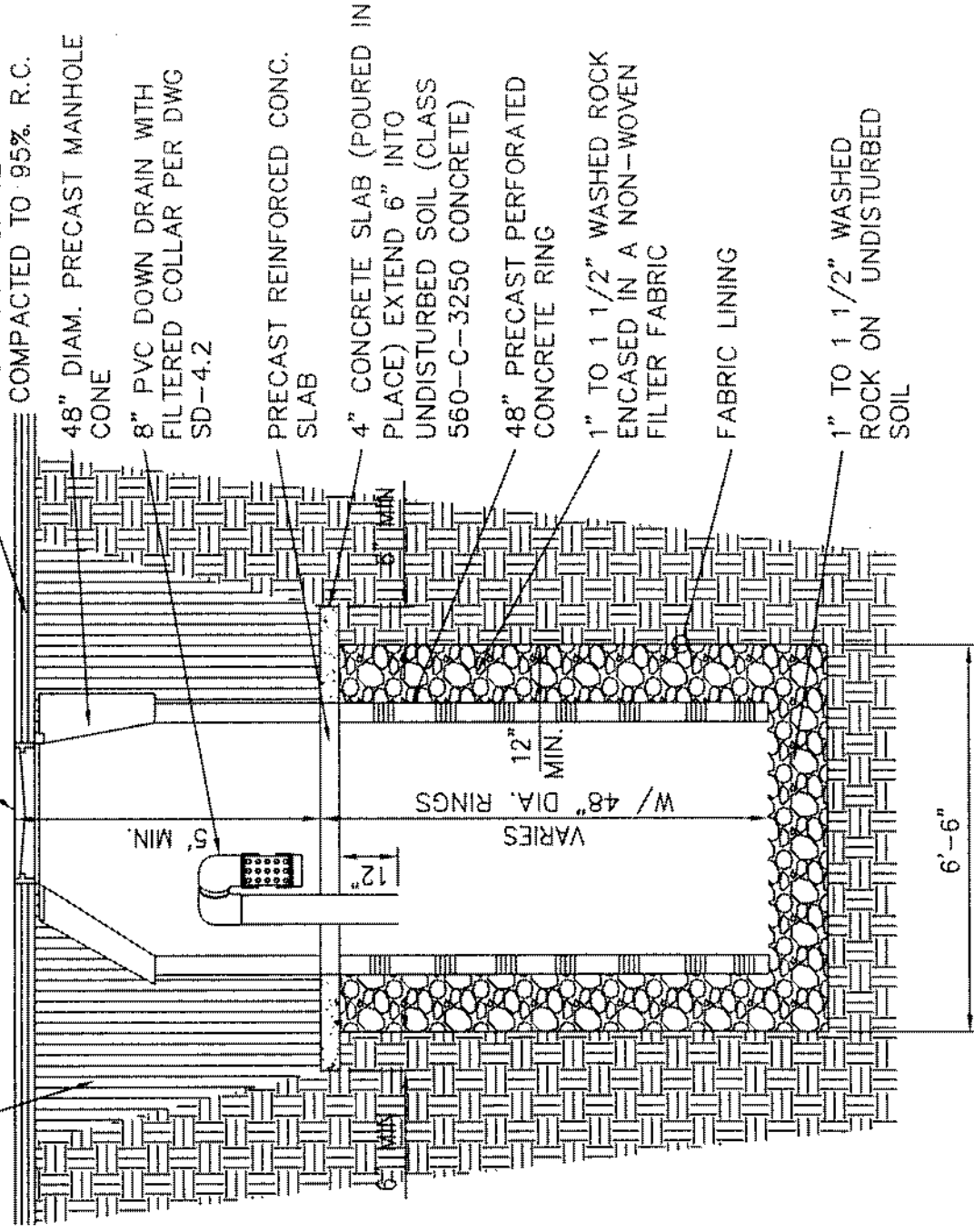
4" CONCRETE SLAB (POURED IN PLACE) EXTEND 6" INTO UNDISTURBED SOIL (CLASS 560-C-3250 CONCRETE)

48" PRECAST PERFORATED CONCRETE RING

1" TO 1 1/2" WASHED ROCK ENCASED IN A NON-WOVEN FILTER FABRIC

FABRIC LINING

1" TO 1 1/2" WASHED ROCK ON UNDISTURBED SOIL



NOTE:

1. ALL JOINTS ABOVE THE LEACHING AREA SHALL BE MORTAR SEALED INSIDE AND OUT.
2. DEPTH OF DRYWELL TO BE BASED ON SOIL REPORT, BORING LOG AND SIEVE ANALYSIS SUBMITTED BY SOILS ENGINEER.

CITY OF COACHELLA

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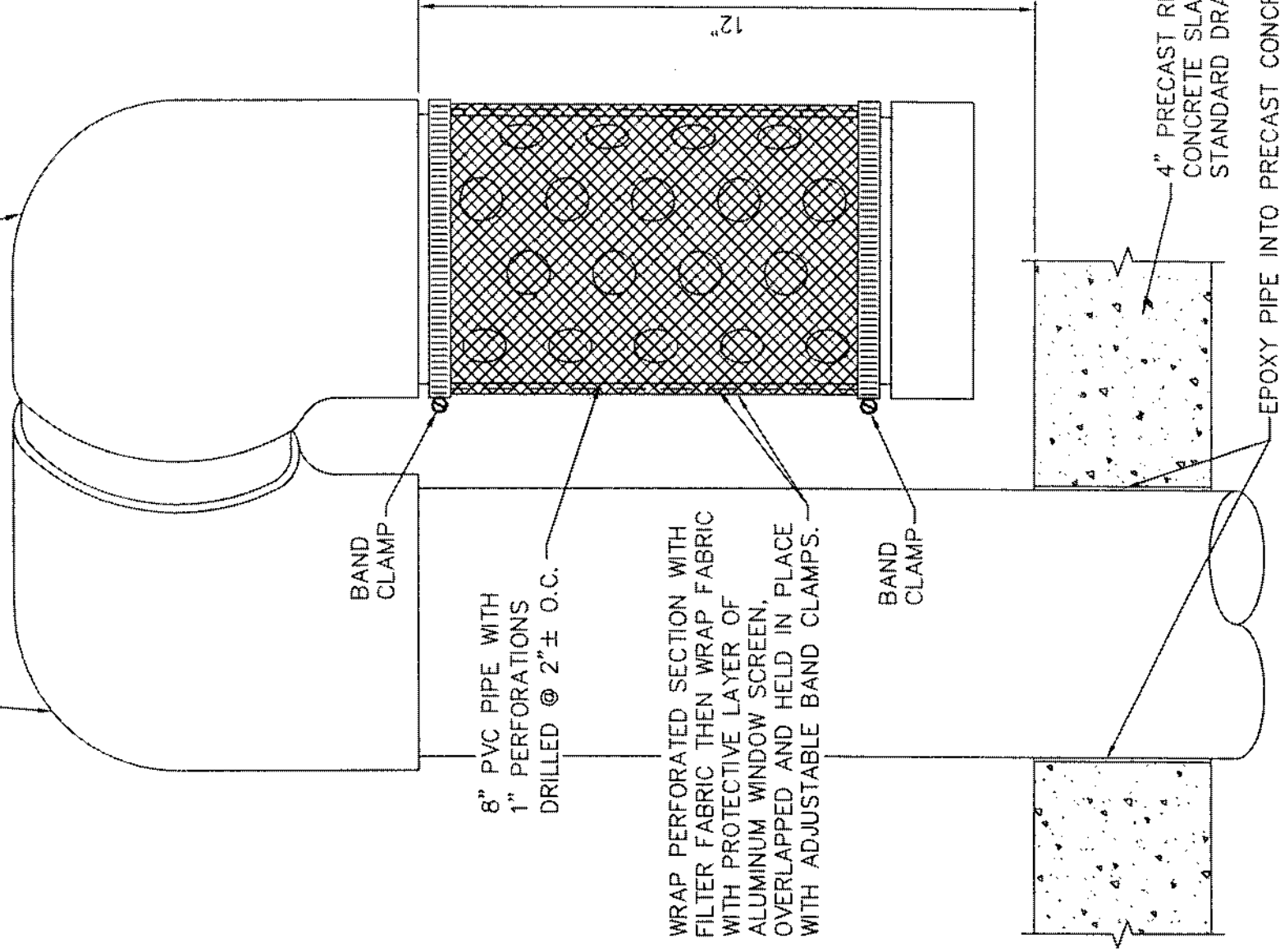
STANDARD DRAWING NO.

STANDARD DRYWELL
DETAIL

SD-4.1

JUNE 2007

(2) 8" PVC ELBOWS TO MAKE "U" SHAPE, PRESSED TOGETHER BUT REMOVABLE FOR CLEANING



BAND CLAMP

8" PVC PIPE WITH 1" PERFORATIONS DRILLED @ 2" ± O.C.

WRAP PERFORATED SECTION WITH FILTER FABRIC THEN WRAP FABRIC WITH PROTECTIVE LAYER OF ALUMINUM WINDOW SCREEN, OVERLAPPED AND HELD IN PLACE WITH ADJUSTABLE BAND CLAMPS.

BAND CLAMP

4" PRECAST REINFORCED CONCRETE SLAB PER STANDARD DRAWING SD-4.1

EPOXY PIPE INTO PRECAST CONCRETE

CITY OF COACHELLA

APPROVED:

Ray O. Juarez
RCE 24870 EXP. 12/31/07

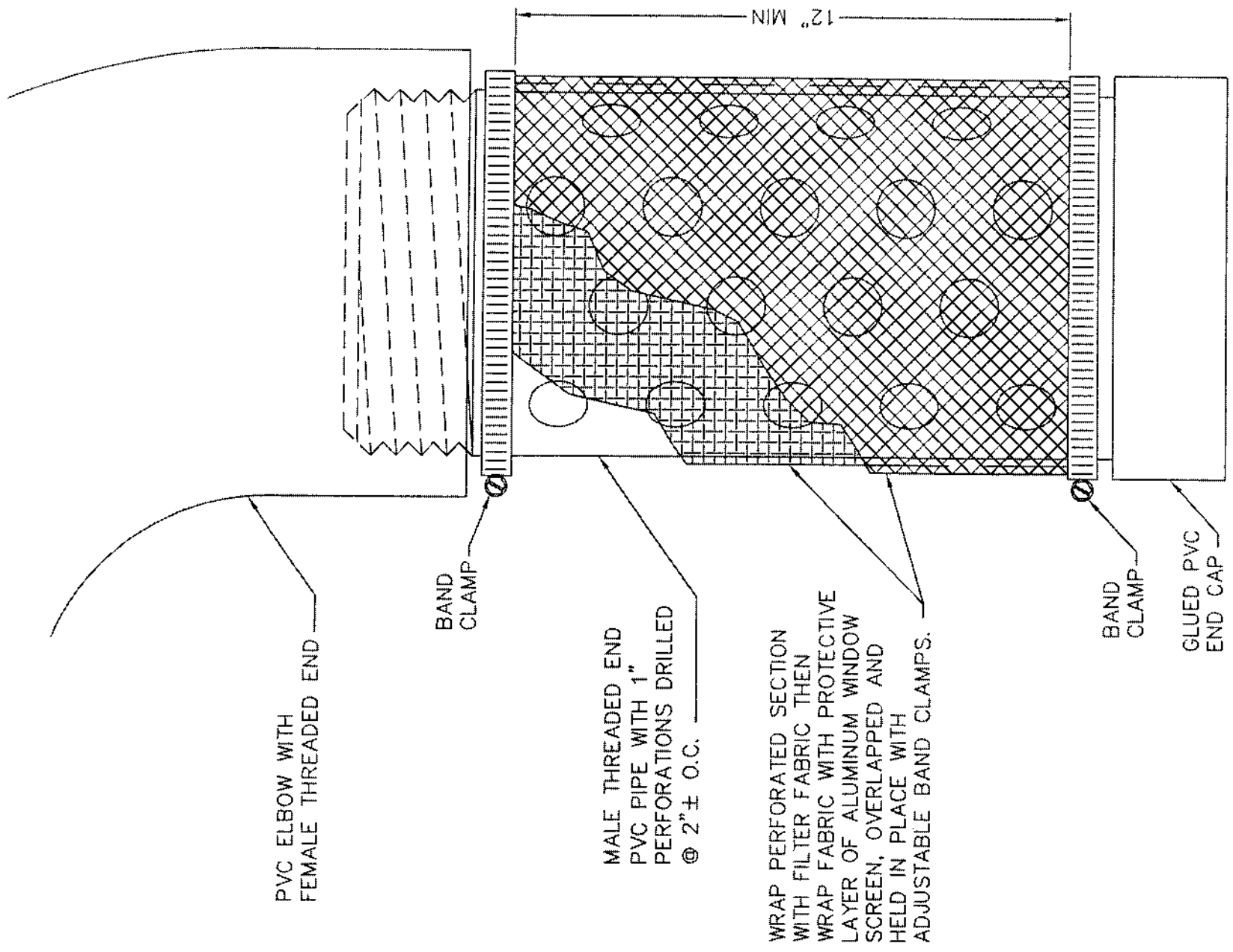
REVISION	APPROVED	DATE

SIPHON FOR STANDARD DRYWELL

STANDARD DRAWING NO.

SD-4.2

JUNE 2007



PVC ELBOW WITH
FEMALE THREADED END

BAND
CLAMP

MALE THREADED END
PVC PIPE WITH 1"
PERFORATIONS DRILLED
@ 2" ± O.C.

WRAP PERFORATED SECTION
WITH FILTER FABRIC THEN
WRAP FABRIC WITH PROTECTIVE
LAYER OF ALUMINUM WINDOW
SCREEN, OVERLAPPED AND
HELD IN PLACE WITH
ADJUSTABLE BAND CLAMPS.

12" MIN

BAND
CLAMP

GLUED PVC
END CAP

CITY OF COACHELLA

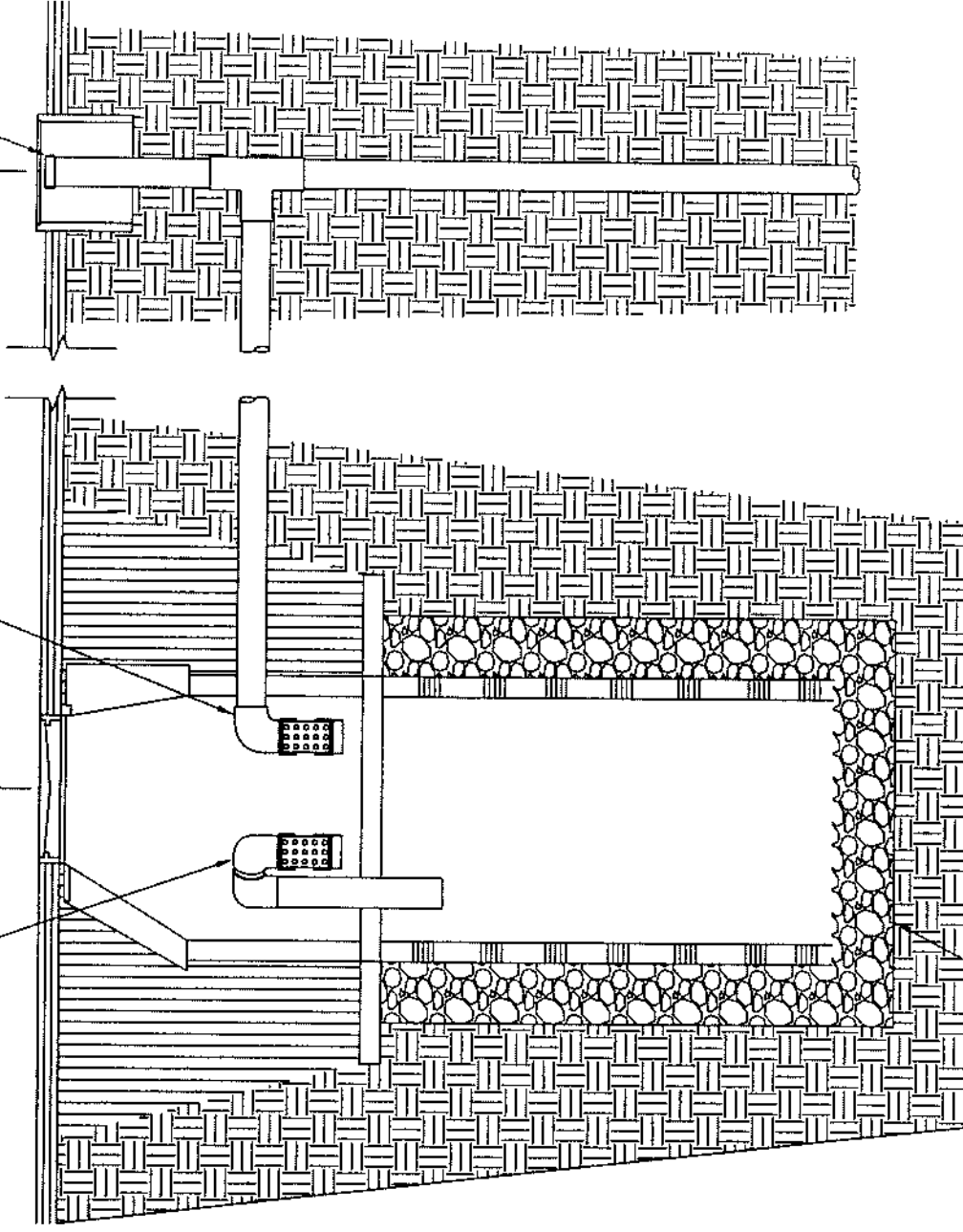
APPROVED:		STANDARD DRAWING NO.	
RCE 24870		SD-4.3	
REVISION	APPROVED	DATE	
		JUNE-2507	

INSTALL REMOVEABLE VENTED CAP IN
PRE-CAST CONCRETE METER BOX AND
STEEL LID, SET 2" ABOVE GRADE

10' MIN

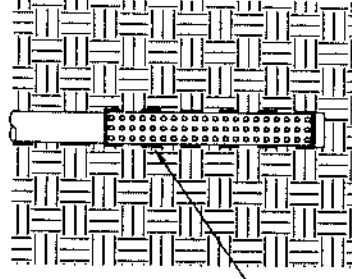
6" PVC SIPHON WITH
FILTERED COLLAR PER
STD DWG SD-5.2

6" PVC VERTICAL DRAIN
WITH FILTERED COLLAR
PER STD DWG SD-5.2



CONSTRUCT
DRYWELL
PER SD-4.1

6" DIA PVC PIPE, PERFORATED LOWER 4'
MIN. DEPTH OF PIPE TO BE DETERMINED
FROM SOILS INVESTIGATION. SEE STD DWG
SD-5.3 FOR VERTICAL DRAIN DETAILS



CITY OF COACHELLA

MODIFIED DRYWELL DETAIL

APPROVED:

Tom DeLuca
RCE 24870 EXP. 12/31/07

REVISION	APPROVED	DATE

STANDARD DRAWING NO.

SD-5.1

JUNE 2007

(2) 6" PVC ELBOWS
TO MAKE "U" SHAPE,
PRESSED TOGETHER
BUT REMOVABLE FOR
CLEANING

6" PERFORATED PVC
PIPE WITH MESH
AND FABRIC FILTER
PER STD DWG 4.3

6" PVC SLP x THD
90° ELBOW

6" PVC OUTLET TO
VERTICAL DRAIN

6"
MIN

6"
MIN

6"
MIN

4" PRECAST
CONCRETE SLAB
PER STD DWG
SD-4.1

EPOXY 6" PVC
SIPHON PIPE INTO
PRECAST CONCRETE

48" PERFORATED
PRECAST CONCRETE
RING PER STD DWG
SD-4.1

CITY OF COACHELLA

APPROVED:

Emy J. Lucero

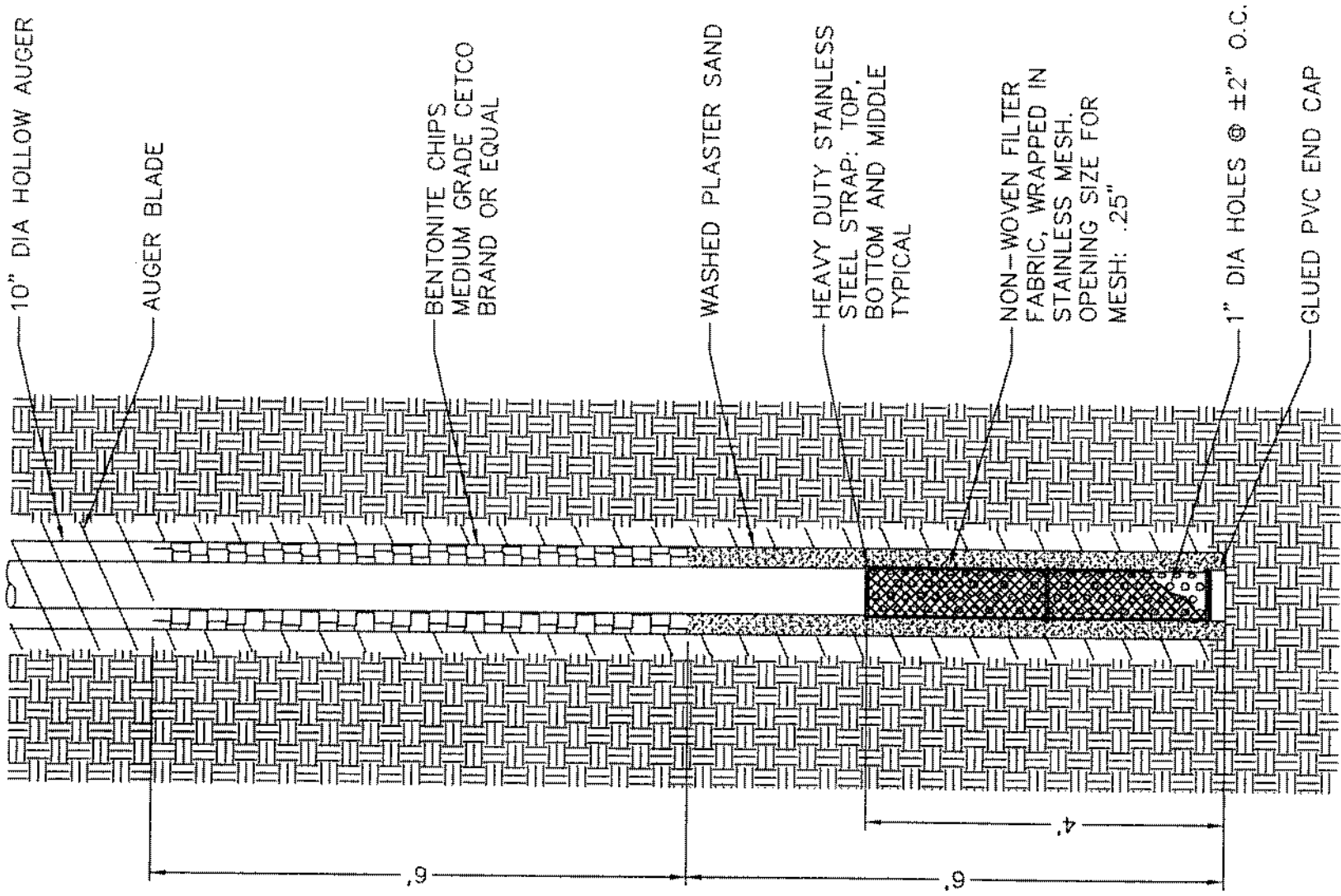
RCE 24856 EXP. 12/31/07
REVISION APPROVED DATE

SIPHON AND OUTLET
PIPE DETAIL FOR
MODIFIED DRYWELL

STANDARD DRAWING NO.

SD-5.2

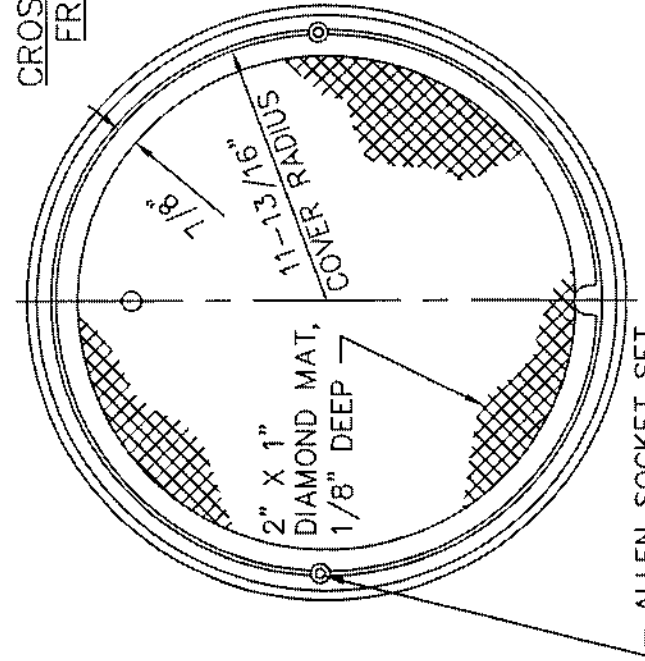
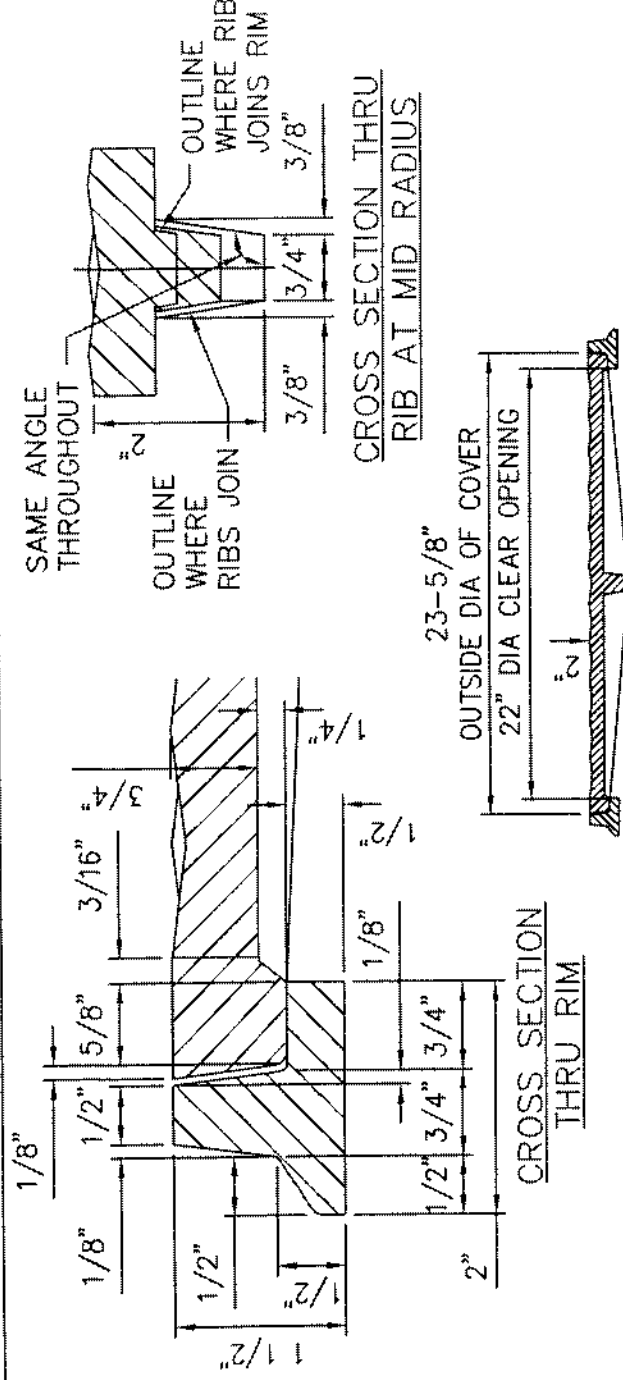
JUNE 2007



CITY OF COACHELLA

APPROVED: <i>Tom J. Lucero</i>		STANDARD DRAWING NO.	
RCE 24876	EXP. 12/31/07	SD-5.3	
REVISION	APPROVED	DATE	
		JUNE 2007	

MODIFIED DRYWELL VERTICAL DRAIN DETAIL



ALLEN SOCKET SET SCREW - SEE NOTE 2
 TOP OF MANHOLE FRAME & COVER
 TOTAL WT. = 130 LBS.

NOTES:

1. FRAME AND COVER SHALL BE GRAY CAST IRON CONFORMING TO THE LATEST A.S.T.M. STANDARD A48, CLASS 30 OR BETTER. GALVANIZE PER A.S.T.M. A385.
2. INSTALL TWO 3/4" X 3/4" ALLEN SOCKET SET SCREWS, 90° TO PICK HOLE, IN HOLES DRILLED AND TAPPED 1" IN DEPTH. GALVANIZE PER A.S.T.M. 153.
3. FRAME AND COVER SHALL BE TESTED FOR ACCURACY OF FIT AND SHALL BE MARKED IN SETS BEFORE DELIVERY. RETAP FRAME AS REQUIRED TO SUIT SET SCREWS.
4. FRAME AND COVER TO BE MANUFACTURED BY RIVERSIDE FOUNDRY, SOUTHBAY FOUNDRY, OR APPROVED EQUAL.

BOTTOM OF MANHOLE COVER

CITY OF COACHELLA

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RCE 24870	EXP. 12/31/07
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**CURB INLET
 CATCH BASIN MANHOLE
 FRAME AND COVER**

STANDARD DRAWING NO.	SD-6
DATE	JUNE 2007