

**SPECIFICATIONS:**

1. PRIOR TO INSTALLATION OF A CATCH BASIN, A FULL CAPTURE SYSTEM MUST BE CERTIFIED BY THE STATE WATER RESOURCES CONTROL BOARD EXECUTIVE DIRECTOR AND THE DIRECTOR OF PUBLIC WORKS OF SAN BERNARDINO COUNTY OR THEIR DESIGNEES.
2. FULL TRASH CAPTURE DEVICE (FTCD) SHALL BE A UNITED STORM WATER, INCLUDING CONNECTOR RCB/CSP, SCREEN OR APPROVED EQUIVALENT.
3. FTCD SHALL HAVE A STRUCTURAL FRAME FOR STIFFNESS AND TO ENABLE BOLTING TO CATCH BASIN FLOOR AND WALL. FRAME MEMBERS AND FTCD SCREENS SHALL BE FABRICATED FROM PERFORATED 14 GAUGE GRADE 304 STAINLESS STEEL HAVING 5MM DIAMETER HOLES.
4. FTCD FRAME AND SCREEN SHALL HAVE SUFFICIENT STRUCTURAL INTEGRITY TO WITHSTAND THE FORCE OF STANDING WATER IN THE CATCH BASIN ASSUMING THE SCREEN IS 100% CLOGGED.
5. FTCD SHALL BE FASTENED TO THE CATCH BASIN WALLS AND FLOOR WITH ANCHOR BOLTS. ANCHOR BOLTS SHALL BE SS-304 OR APPROVED EQUIVALENT,  $\frac{3}{8}$ " DIAMETER AND 3" LENGTH AND SHALL BE EPOXY SET INTO CATCH BASIN CONCRETE. IF REINFORCEMENT STEEL IS ENCOUNTERED DURING INSTALLATION, RELOCATE THE ANCHOR HOLE AND FILL VACANT HOLE WITH EPOXY. EPOXY SHALL BE ON THE CURRENT APPROVED LIST OF CHEMICAL ADHESIVES FOR USE IN CALTRANS CONTRACTS. ANCHOR BOLT SPACING TO BE 12" OC EXCEPT WHERE FRAME LENGTH WOULD RESULT IN LESS THAN THREE (3) BOLTS PER FRAME MEMBER. IN THAT CASE FASTEN FRAME TO CATCH BASIN WALLS AND FLOOR USING THREE (3) ANCHOR BOLTS.
6. THE SCREEN SHALL BE SECURED TO THE SUPPORT FRAME, BRACKETS AND SIDE PANEL USING #12x0.5" SELF TAPPING SS-304 TECH SCREWS.
7. THE FTCD SHALL BE FABRICATED ON SITE TO BE FLUSH WITH THE INTERIOR SURFACES ON THE CATCH BASIN. THE MAXIMUM ALLOWABLE GAP BETWEEN THE FTCD AND THE CATCH BASIN SURFACES IS 5MM (0.197 INCHES).
8. SUPPORT FRAME ANGLES AND BRACKETS SHALL BE INSTALLED AT 36" OC, PER PLAN OR AS DIRECTED BY THE ENGINEER.



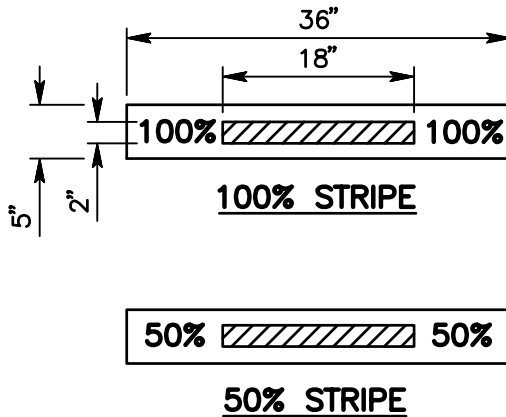
**SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS**

**FULL TRASH CAPTURE DEVICE (FTCD)**

BRENDON P. BIGGS, PE  
 DIRECTOR OF PUBLIC WORKS/ROAD COMMISSIONER

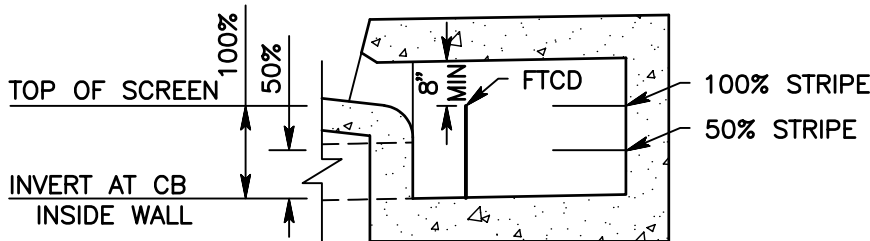
**CONSTRUCTION NOTES:**

1. FTCD SHALL EXTEND PAST CONNECTING RCB/CSP BY 12" MINIMUM
2. FTCD SHALL PROVIDE A SIDE WALL CLEARANCE OF 12" MINIMUM. IF THE FTCD CAN NOT PROVIDE A SIDE WALL CLEARANCE OF 12", PROVIDE A SIDE WALL MOUNT. AN L-SHAPED FTCD WILL HAVE ONE SIDE WALL MOUNT AND ONE BACK WALL MOUNT.
3. THE INTERIOR SPACE DIMENSION SHALL BE AT LEAST 10" UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.
4. POSITIVE DRAINAGE TO THE OUTLET CULVERT IS REQUIRED FOR THE ENTIRE CATCH BASIN FLOOR.
5. THE CATCH BASIN SHALL INCLUDE MAINTENANCE GAUGE STENCILING ON THE INTERIOR WALL OPPOSITE THE FTCD THAT IDENTIFIES THE ACCUMULATED DEBRIS ELEVATION AT 50% AND 100% OF THE FTCD HEIGHT. SEE DETAIL BELOW.



**STRIPING NOTES:**

1. PAINT SHALL BE RED STRIPES AND NUMBERS ON WHITE BACKGROUND ON THE BACK WALL OF THE CATCH BASIN. LABELING 50% AND 100% SCREEN HEIGHT AS SHOWN ABOVE. PAINT SHALL BE WATERBORNE ACRYLIC AND REFLECTIVE.
2. SURFACES SHALL BE CLEAN, DRY AND FREE FROM ALL CONTAMINANTS PRIOR TO PAINTING.
3. STENCILING SHALL BE VISIBLE FROM THE STREET THROUGH CATCH BASIN OPENING.



**CATCH BASIN - SECTION**



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COMMISSIONER

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