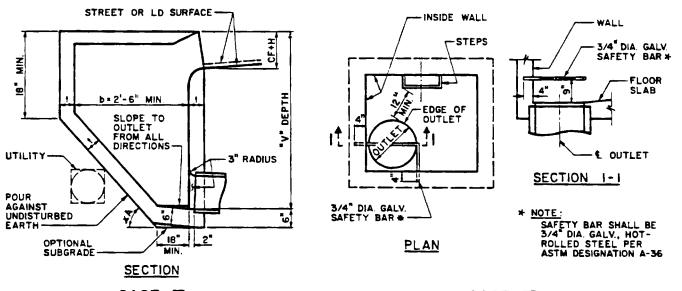


CASE I CATCH BASIN MODIFICATION WITH REAR CULVERT ENTRANCE AND / OR ENTRANCE PROJECTION



CASE II
CATCH BASIN MODIFICATION
TO AVOID EXISTING UTILITY

CASE III
SAFETY BAR FOR DROP
OUTLET CATCH BASIN

CITY OF RANCHO CUCAMONGA, CALIFORNIA

MODIFICATIONS FOR STANDARD PLAN

| Modifications for Public works construction | Sheet 1 DF 2

NOTES:

- MODIFICATIONS ARE TO BE USED AS REQUIRED BY THE PROJECT DRAWINGS. ANY ADDITIONAL CHANGES ARE SUBJECT TO THE APPROVAL OF THE ENGINEER.
- DETAILS NOT SHOWN SHALL BE PER THE APPLICABLE CATCH BASIN STANDARD PLANS.
- REFER TO THE PROJECT DRAWINGS FOR DETAILS OF THE UTILITY AND CULVERT.
- 4. INTERFERING PORTIONS OF EXISTING CULVERTS SHALL BE REMOVED ON A LINE NORMAL TO THE CULVERT CENTER LINE AND A PORTION OF THE CULVERT RECONSTRUCTED IF REQUIRED. SAW CUTTING SHALL BE USED TO PROVIDE A NEAT JOINT ON THE EXPOSED SURFACE.
- 5. PLACE STEPS IN END WALL OF CATCH BASIN UNLESS OTHERWISE SHOWN.
- 6. WHEN REINFORCEMENT IS REQUIRED BY STANDARD PLAN 309. IT SHALL BE PLACED TO THE CONFIGURATION OF THE MODIFIED BASIN. IF ANGLE A EXCEEDS 45 DEGREES THE SLOPING PORTION OF THE INVERT SHALL BE REINFORCED AS THE REAR WALL. LENGTH OF BARS SHALL BE INCREASED AS NECESSARY.
- 7. ELECTRICALLY WELDED STUDS 1/2" x 8", NELSON H4F OR EQUAL MAY BE USED IN LIEU OF THE DEFORMED BAR ANCHORS. IF THE TOP SLABS OF THE CATCH BASIN AND THE CULVERT ARE NOT IN THE SAME PLANE THE ANCHORS ON THE CULVERT SIDE SHALL BE OMITTED.
- 8. NO. 4 BARS @ 10" MAY BE USED IN LIEU OF NO. 3 BARS @ 6".

C	ITY	OF	RANCHO CUCAMONGA, CALIFORI	NIA
APPROVED BY			MODIFICATIONS FOR	STANDARD PLAN
unore	el a	6.1.92	SIDE OPENING CATCH BASINS	309
CITY ENGINEER R.C.E. 2495		DATE	USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION	SHEET 2 DF 2