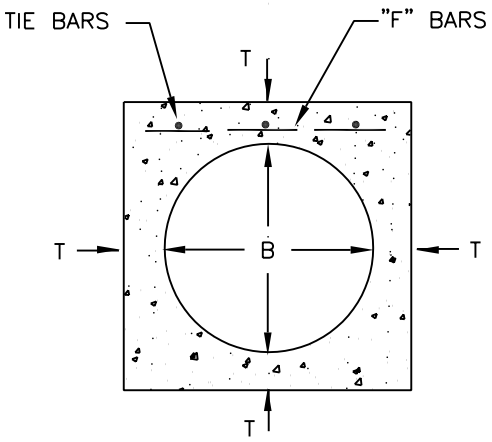
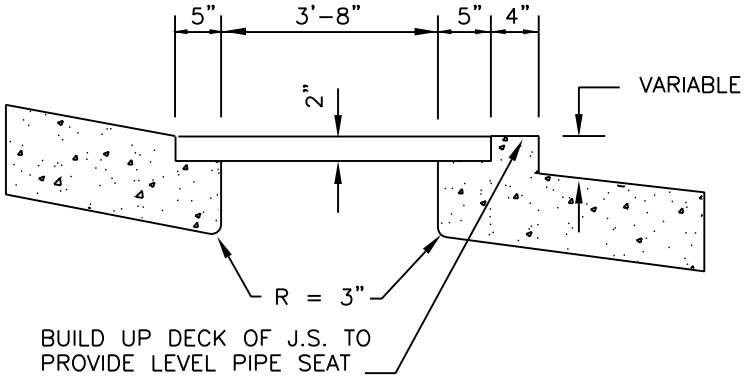


SECTION G–G



SHAFT SEAT DETAIL

NOTES:

1. VALUE FOR "A", "B', "C", "D1", "D2", ELEVATION "R" AND ELEVATION "S" ARE SHOWN ON PLANS.
2. IF LATERALS ENTER BOTH SIDES OF JUNCTION STRUCTURE, THE ACCESS SHAFT SHALL BE LOCATED ON THE SIDE RECEIVING THE SMALLER LATERAL.
3. CENTER OF MANHOLE SHAFT SHALL BE LOCATED OVER THE CENTERLINE OF THE STORM DRAIN WHEN D1 IS 48 INCHES OR LESS, IN THIS CASE PLACE 4–"E" BARS (#4) SYMMETRICALLY AROUND THE SHAFT AT 45° WITH THE CENTERLINE.
4. LENGTH OF JUNCTION STRUCTURE CAN BE INCREASED AT CONTRACTOR'S OPTION TO MEET PIPE ENDS, BUT ANY CHANGE IN LOCATION OF THE SPUR MUST BE APPROVED BY THE CITY ENGINEER.
5. THE STATION POINT, AS SHOWN ON THE PLANS, IS DEFINED AS THE INTERSECTION OF THE CENTERLINE OF THE MAIN LINE AND THE CENTERLINE OF THE SPUR.
6. USE DETAIL "M" OF STANDARD No. 307A WHEN DEPTH OF THE SHAFT FROM STREET GRADE TO THE TOP OF THE JUNCTION STRUCTURE IS LESS THAN 2'–10–1/2" FOR PAVED STREETS OR 3'–6" FOR UNPAVED STREETS. CONSTRUCT MONOLITHIC SHAFT AS SHOWN ON DETAIL "M". CONSTRUCTION OF MANHOLE SHAFT PER DETAIL "M" FOR ANY DEPTH OF MANHOLE IS OPTIONAL. WHEN D1 IS 48 INCHES OR LESS SEE NOTE 3.
7. REINFORCING STEEL SHALL BE 1–1/2 INCHES CLEAR FROM FACE OF CONCRETE. TIE BARS SHALL BE #4 @ 18 INCHES MAX.
8. EMBEDMENT "P" SHALL BE 5 INCHES FOR D2 TO 96 INCHES OR LESS AND 8 INCHES FOR D2 OVER 96 INCHES.
9. STEP SHALL BE 3/4 INCH Ø GALVANIZED STEEL, AND ANCHORED NOT LESS THAN 6 INCHES IN THE WALLS OF THE STRUCTURE. STEP SPACING SHALL BE 1'–4" WITH THE LOWEST STEP NOT MORE THAN 2 FEET ABOVE THE INVERT.
10. RING, REDUCER AND PIPE FOR ACCESS SHAFT SHALL BE SEATED IN 1:2 MIX MORTAR AND NEATLY POINTED OR WIPED INSIDE THE SHAFT.
11. FLOOR OF JUNCTION STRUCTURE SHALL BE STEEL TROWELED TO THE SPRING LINE.
12. BODY OF JUNCTION STRUCTURE, INCLUDING SPUR, SHALL BE CONSTRUCTED IN ONE, CONTINUOUS OPERATION, EXCEPT THAT A CONSTRUCTION JOINT AT THE SPRING LINE, WITH A LONGITUDINAL KEYWAY, IS OPTIONAL.
13. ELEVATION "S" APPLIES AT THE CENTERLINE OF THE MAIN LINE ON THE PROLONGATION OF THE INVERT OF THE SPUR.
14. CONCRETE: f'c = 3250 PSI AT 28 DAYS.

REVISIONS	CITY OF IRVINE	STANDARD PLAN No.
	JUNCTION STRUCTURE No. III	308A
	Approved by: Mark L. Carroll R.C.E. 31515 City Engineer Date 6-2-92	Sheet 1 of 1