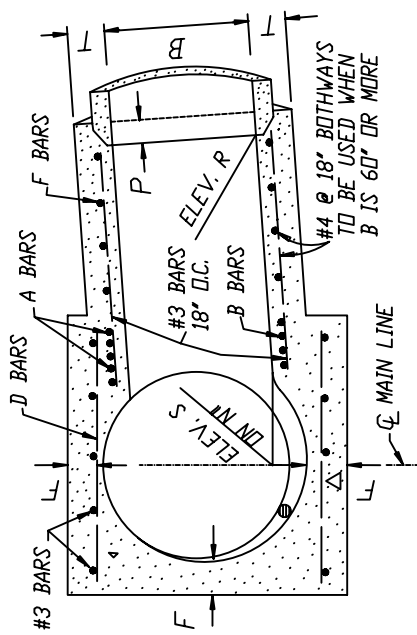


PLAN

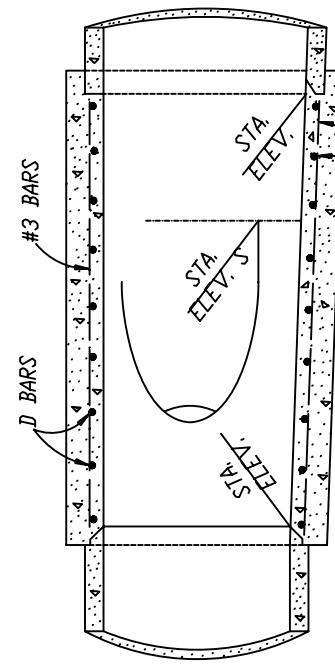


SECTION N1-N1
PROJECTED ON M-M

TABLE
FOR DIMENSIONS
AND BAR SIZES

| D2 | F | OR | T | A OR B BARS | D OR F BARS |
|------|---------|----|---|--------------|--------------|
| 12" | 4' | | | #3 @ 3' O.C. | #5 @ 6' O.C. |
| 15" | 4 1/4' | | | #3 @ 3' O.C. | #5 @ 6' O.C. |
| 18" | 4 1/2' | | | #3 @ 3' O.C. | #5 @ 6' O.C. |
| 21" | 5' | | | #3 @ 3' O.C. | #5 @ 6' O.C. |
| 24" | 5 1/4' | | | #3 @ 3' O.C. | #5 @ 6' O.C. |
| 27" | 5 1/2' | | | #3 @ 3' O.C. | #5 @ 6' O.C. |
| 30" | 6' | | | #3 @ 3' O.C. | #5 @ 6' O.C. |
| 33" | 6 1/4' | | | #3 @ 3' O.C. | #5 @ 6' O.C. |
| 36" | 6 1/2' | | | #3 @ 3' O.C. | #5 @ 6' O.C. |
| 39" | 7' | | | #3 @ 3' O.C. | #5 @ 6' O.C. |
| 42" | 7 1/2' | | | #3 @ 3' O.C. | #5 @ 6' O.C. |
| 45" | 7 3/4' | | | #3 @ 3' O.C. | #5 @ 6' O.C. |
| 48" | 8' | | | #3 @ 3' O.C. | #5 @ 6' O.C. |
| 51" | 8 1/2' | | | #3 @ 3' O.C. | #5 @ 6' O.C. |
| 54" | 9' | | | #3 @ 3' O.C. | #5 @ 6' O.C. |
| 57" | 9 1/4' | | | #3 @ 3' O.C. | #5 @ 6' O.C. |
| 60" | 9 1/2' | | | #3 @ 3' O.C. | #5 @ 6' O.C. |
| 63" | 10' | | | #3 @ 3' O.C. | #5 @ 6' O.C. |
| 66" | 10 1/4' | | | #3 @ 3' O.C. | #5 @ 6' O.C. |
| 69" | 10 3/4' | | | #3 @ 3' O.C. | #5 @ 6' O.C. |
| 72" | 11' | | | #3 @ 3' O.C. | #5 @ 6' O.C. |
| 78" | 11 3/4' | | | #3 @ 3' O.C. | #5 @ 6' O.C. |
| 84" | 12 1/2' | | | #3 @ 3' O.C. | #5 @ 6' O.C. |
| 90" | 13 1/4' | | | #3 @ 3' O.C. | #5 @ 6' O.C. |
| 94" | 14' | | | #3 @ 3' O.C. | #5 @ 6' O.C. |
| 102" | 15 1/2' | | | #3 @ 3' O.C. | #5 @ 6' O.C. |
| 108" | 16' | | | #3 @ 3' O.C. | #5 @ 6' O.C. |
| 114" | 16 1/2' | | | #3 @ 3' O.C. | #5 @ 6' O.C. |
| 120" | 17' | | | #3 @ 3' O.C. | #5 @ 6' O.C. |
| 126" | 17 1/2' | | | #3 @ 3' O.C. | #5 @ 6' O.C. |
| 132" | 17 1/2' | | | #3 @ 3' O.C. | #5 @ 6' O.C. |
| 138" | 17 1/2' | | | #3 @ 3' O.C. | #5 @ 6' O.C. |
| 144" | 18' | | | #3 @ 3' O.C. | #5 @ 6' O.C. |

- NOTES:
1. THE HORIZONTAL ANGLE OF CONVERGENCE OR DIVERGENCE SHALL NOT EXCEED 5%.
 2. VALUES FOR A, B, C, D1 AND D2, ELEV. R AND ELEV. S ARE SHOWN ON THE PROJECT DRAWINGS.
 3. FLOOR OF STRUCTURE SHALL BE STEEL TROWELED TO SPRING LINE.
 4. REINFORCING STEEL SHALL BE A MINIMUM OF 1 1/2" CLEAR FROM FACE OF CONCRETE UNLESS OTHERWISE SHOWN. LONGITUDINAL BARS SHALL BE #3 AT 18" OR LESS ON CENTERS.
 5. ELEVATION 'S' APPLIES AT CENTER OF MAIN LINE ON PROLONGED INVERT OF SPUR.
 6. TRANSITION STRUCTURE SHALL BE POURED IN ONE CONTINUOUS OPERATION EXCEPT THAT THE CONTRACTORS SHALL HAVE THE OPTION OF PLACING AT THE SPRING LINE A CONSTRUCTION JOINT WITH A LONGITUDINAL KEYSAW.
 7. THE LENGTH OF THE STRUCTURE MAY BE INCREASED AT THE OPTION OF THE CONTRACTOR TO MEET PIPE ENDS, USING D BARS IN EXTENDED PORTION OF SAME DIAMETER AND SPACING AS SPECIFIED IN THE TABLE, BUT ANY CHANGE IN THE LOCATION OF THE SPUR MUST BE APPROVED BY THE ENGINEER.
 8. EMBEDMENT 'P' SHALL BE AS SPECIFIED IN THE TABLE UNLESS OTHERWISE SHOWN ON THE PROJECT DRAWINGS.
 9. WHEN DIMENSION 'C' IS NOT SPECIFIED THE SPUR SHALL NOT BE CONSTRUCTED AND A AND B BARS SHALL BE OMITTED.



LONGITUDINAL SECTION
#4-18" O.C. BOTH WAYS TO BE USED WHEN D2 IS 60" OR MORE

CITY OF NEWPORT BEACH
PUBLIC WORKS DEPARTMENT

TRANSITION STRUCTURE
PLAN AND SECTION

APPROVED:

DIRECTOR OF PUBLIC WORKS
R.C.E. NO. 12806

| | | | |
|-------|-------------|-------|-----------|
| DATE | 24 Sep 1993 | SCALE | N.T.S. |
| DRAWN | M. GRACIA | | STD-315-L |

ADOPTED FROM LACDPW STD. DWG. 3042-D

REV. 9/93