

BUREAU OF ENGINEERING

DEPARTMENT OF PUBLIC WORKS

CITY OF LOS ANGELES

CATCH BASIN NO. 62- PRECAST

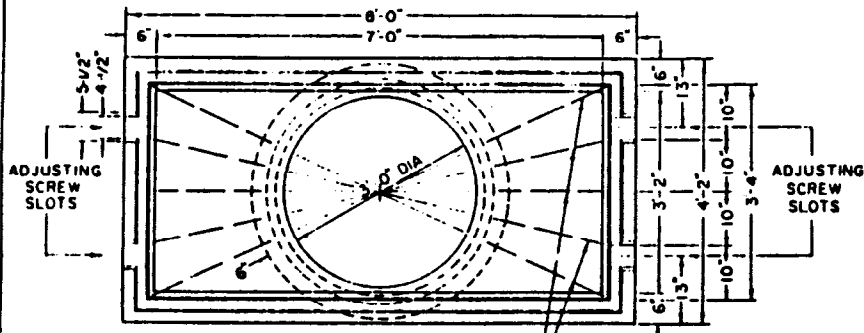
STANDARD PLAN
S-362-0

SUBMITTED *MAY 5* 1972
[Signature]
APPROVED *[Signature]* 1972
DESIGNED BY: M.J.Y./W.R.G. DRAWN BY: M.J.Y./H.C.W. CHECKED BY: J.W.H./J.P.O.

NO		DATE		DESCRIPTION	DIV ENGR	CITY ENGR

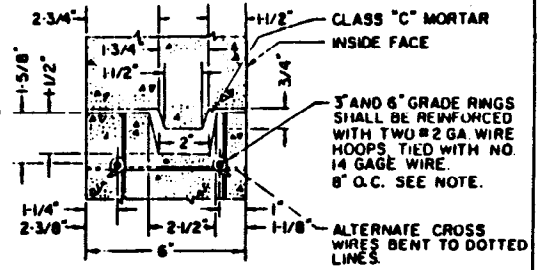
REFERENCES

Vault INDEX NUMBER B-3807
SHEET 1 OF 4 SHEETS



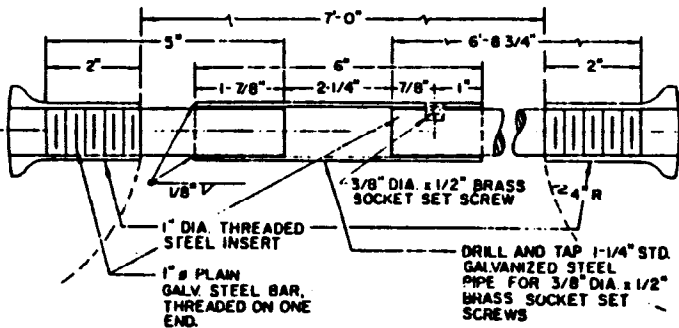
**PLAN
TRANSITION SECTION DETAIL**

5 # 3 BARS @ EACH
END (SEE TRANSITION
SECTION ON SHT. NO. 1)

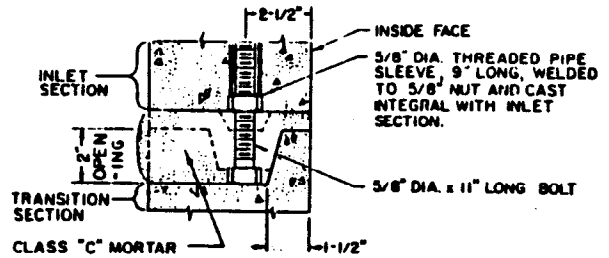


TYPICAL JOINT DETAIL

NOTE: REINFORCEMENT STEEL
SHOWN SHALL APPLY TO GRADE
RINGS ONLY.

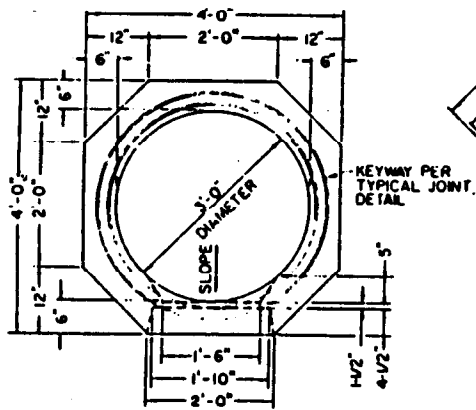


PROTECTION BAR DETAIL

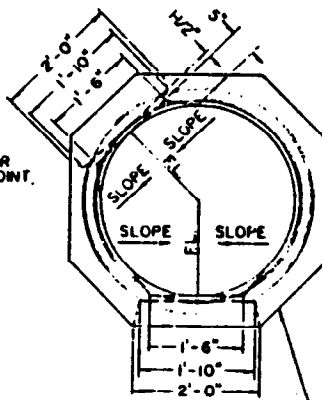


ADJUSTING SCREW DETAIL

NOTE: ALLOWABLE OFFSET BETWEEN SECTIONS
IS 3/8-INCHES.



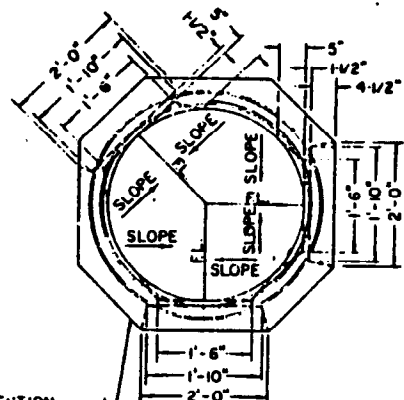
CASE 1



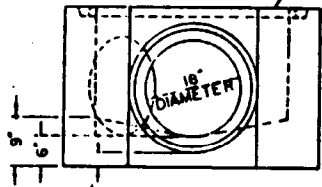
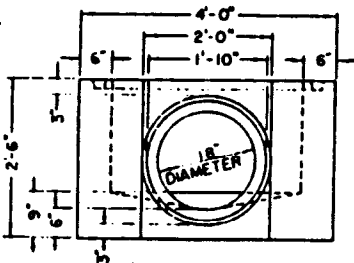
PLAN

CASE 2

INVERT SECTION
DIMENSIONS TYPICAL
AS CASE 1 EXCEPT
AS DETAILED HEREON



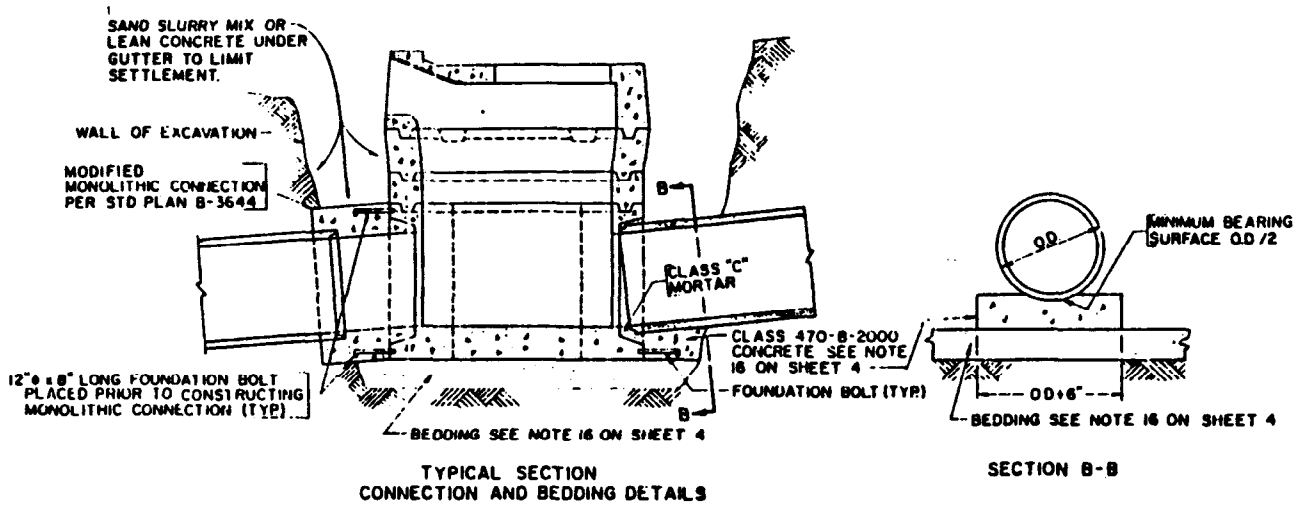
CASE 3



**ELEVATION
INVERT SECTIONS**

STEEL LIST

	ITEM AND LENGTH	QUANTITY
A-BARS	#3 deformed bars, 3'-2" Long	14
B-BARS	#3 deformed bars, 7'-7" Long	4
C-BARS	#3 deformed bars, 0'-10" Long	2
D-BARS	#3 deformed bars, 2'-9" Long	6
PERIMETER BARS	#3 deformed bars, Varies	6
TRANS SECTION		
RADIAL BARS	#3 deformed bars, Varies	10
VERTICAL BARS	#3 deformed bars, 0'-10 1/2" Long	2
INVERT SECTION		
VERTICAL BARS	#3 deformed bars, 2'-2 1/2" Long	2 Each Opening
	1" ϕ plain galvanized protection bar	See Notes
	3/4" ϕ plain galvanized steps	See Notes
	Inlet Steel Plate with 3 each 1/2" ϕ Anchors	1 (See Detail)
	Manhole Frame and Cover Set	1



NOTES FOR CATCH BASIN NO.62 (PRECAST)

- Catch Basin No. 62 may be installed in lieu of Catch Basin No. 39 when the curb face is 10-inches or less and the V-dimension shown on the project drawings is equal to or larger than the minimum shown hereon.
- Inlet Steel Plate shall be fabricated from 3/16" x 14" Universal Mill Plate and galvanized.
- Protection Bar:
 - When the curb face exceeds 9 1/4-inches, a 1-inch diameter plain round galvanized steel protection bar shall be placed horizontally across the opening of the basin.
 - One-inch diameter galvanized steel inserts for the protection bar, Burke High Tensile Threaded Insert or equal, shall be cast in each sidewall of the Inlet Section.
 - The galvanized steel pipe sleeve shall be installed at the downstream end of the catch basin opening. The brass socket set screw shall not be visible in a frontal view of the catch basin opening.
- Gutter Depression shall be constructed in accordance with the detail for warped gutter per Standard Plan B-3746 unless otherwise specified.
- Invert Section Floor shall be given a steel trowel finish. Where construction methods do not permit trowelling, Class 658-B-3750 concrete shall be used. Invert shall be sloped toward the outlet for Case 1, and toward the flow lines for Cases 2 and 3. The maximum difference in elevation between flow lines and the edge of the floor shall not exceed 3-inches.

**NOTES FOR CATCH BASIN NO. 62 CONTINUED
(PRECAST)**

6. Concrete for the precast sections shall be Class 564-B-3250. When the basin is to be assembled within the limits of a proposed sidewalk, the top 2½-inches of the basin shall be poured monolithic with the sidewalk using the same class of concrete as the sidewalk and shall conform in slope, grade, color, finish and scoring to existing or proposed walk adjacent to the basin.
7. Standard Manhole Frame and Cover per Standard Plan B-2189 shall be placed at grade prior to pouring the catch basin top slab and shall be located as shown herein. Install Manhole Cover Locking Device per Standard Plan B-3233.

8. Dimensions

Minimum V	4'-6"	4'-3"
Connector Pipe Diameter	18"	15"

$R_n = 1'-3"$ unless otherwise specified
 $S_n = 0'-9"$ unless otherwise specified
 $T_n = 0'-1 \frac{7}{8}"$ unless otherwise specified

} See Catch Basin Inlet Detail on Sheet No. 1

9. Joints of Inlet Section, Transition Section, Grade Rings, and Invert Section shall be filled with Class "C" mortar and neatly pointed on the inside of basin.
10. Curvature of the Inlet Section sidewalls shall be formed by curved forms and shall not be made by plastering.
11. Junction of Invert Section and connector pipe(s) shall be filled with Class "C" mortar. Interior surface of the connection shall be smooth, clean and free from pockets and protuberances.
12. Precast section shall have handling devices to provide mechanical placement of the sections. The Inlet Section shall have a Superior Concrete Accessories' 1" x 3½" Type "S" Coil or equal centered on the exterior of each sidewall. The Transition and Invert Sections shall have slots integrally cast in the interior walls for lifting bars.
13. Alignment: The top frontal edge of the Inlet Section shall be aligned with the top frontal edge of the adjacent curb.
14. Steps are required 12-inches apart when "V" is greater than 4 feet 6 inches. The top step shall be 2-inches below the soffit and 2½-inches from the wall. Only one step 12-inches from the bottom is required for "V" less than 4 feet 6 inches. Steps shall be 4-bend, ¾-inch round galvanized steel, 14-inches wide, with 10-inch legs, Alhambra Foundry Company's Step No. A-3309 or equal. The steps shall be 6-inches from the wall of the basin, with the exception of the top step as above. Install steps in basin wall in 1-inch drilled holes and grout.
15. Anchors shall be ½-inch round steel anchors or Nelson H4F. Head Anchors, or equal, electrically welded, ½-inch in diameter by 8-inches long.
16. Bedding Material for the catch basin or any material conforming to the Standard Specification requirements for select material for base and shall be spread to a minimum depth of 6-inches over the bottom of the excavation. Bedding for the inlet and outlet pipes shall be Class 470-B-2000 concrete poured between wall of excavation and wall of catch basin per detail on Sheet 3.
17. Epoxy that is approved by the Engineer shall be placed on surfaces of Inlet Section before placing gutter.
18. Monolithic Connection shall be tied to catch basin with ½-inch diameter by 8-inch long foundation bolts.