

NOTES:

1. DRAINS SHALL BE 3" DIAMETER PIPES FOR 6" CURB AND 4" DIAMETER PIPES FOR 8" CURB FACE OR GREATER UNLESS OTHER SHAPES ARE APPROVED BY THE ENGINEER.
2. ANGLE  $\theta = 90^\circ$ , UNLESS OTHERWISE SPECIFIED.
3. THE NUMBER OF PIPES AT ANY LOCATION SHALL NOT EXCEED 4.

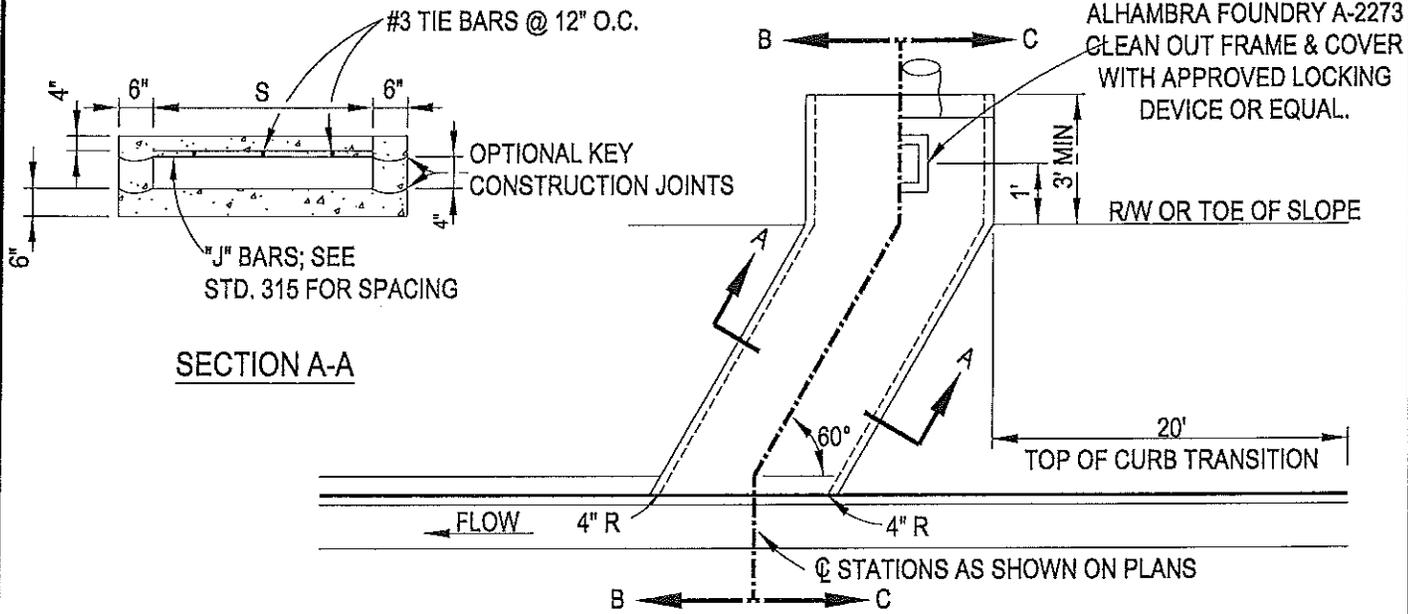
APPR. BY: *Steven C. Nix* 10/11  
 STEVEN C. NIX, CITY ENGINEER DATE

CITY OF CHINO HILLS  
 ENGINEERING DEPARTMENT

DATE	REVISION	BY

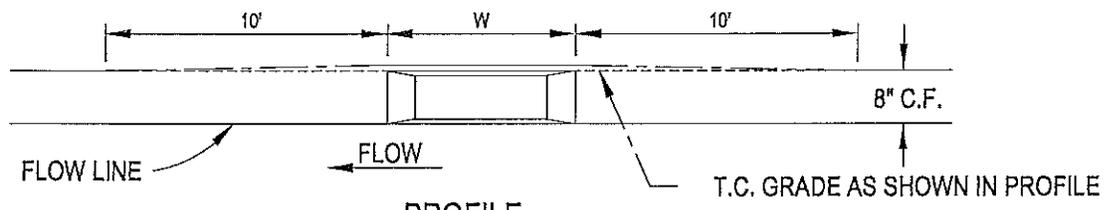
UNDER SIDEWALK DRAIN  
 TYPE A

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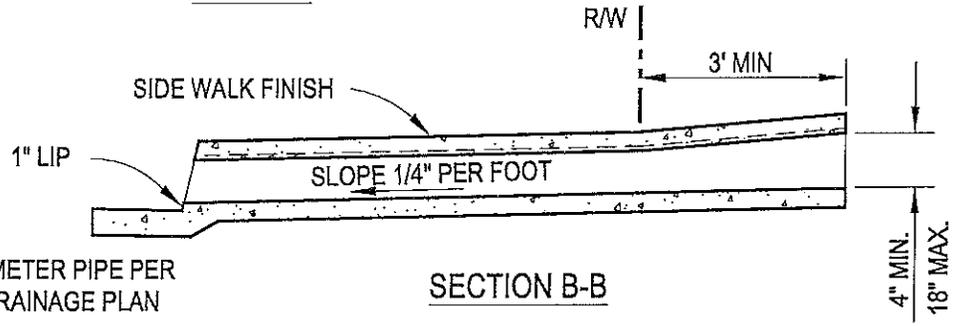


**SECTION A-A**

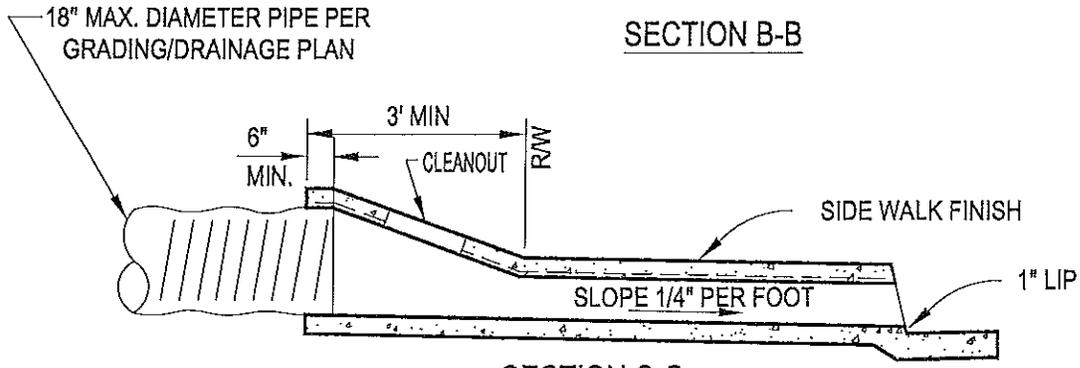
**PLAN**



**PROFILE**



**SECTION B-B**



**SECTION C-C**

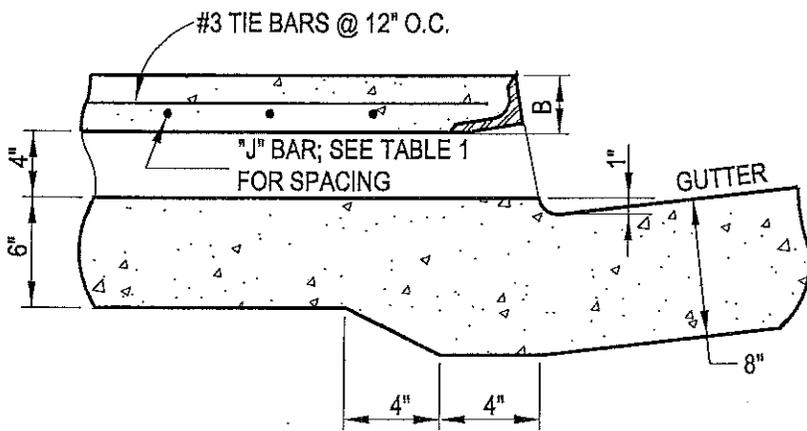
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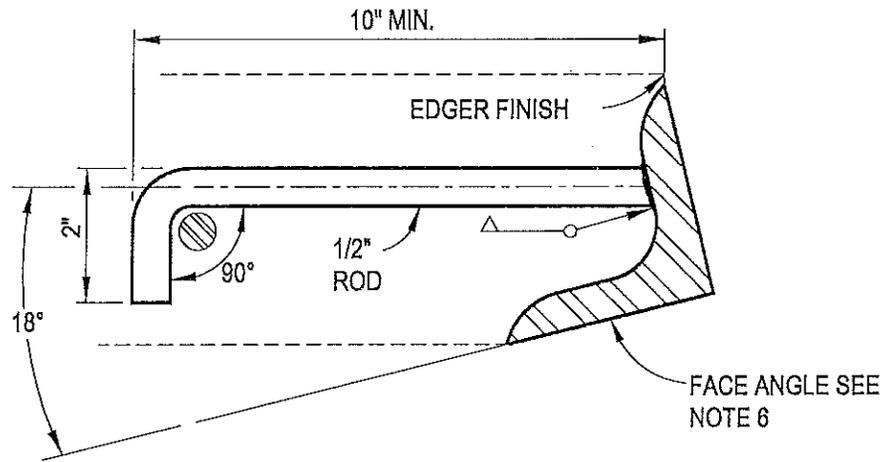
**UNDER SIDEWALK DRAIN  
TYPE B**

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SPAN S	B	SCHEDULE J-BARS		ANCHOR
		SPACING C-C	LENGTH	
2'-0"	3"	7"	2'-9"	2
2'-6"	3"	7"	3'-3"	2
3'-0"	3"	7"	3'-9"	3
3'-6"	3"	6"	4'-3"	3
4'-0"	3"	5"	4'-9"	3
4'-6"	4"	6.5"	5'-3"	3
5'-0"	4"	5"	5'-9"	3
5'-6"	4"	4"	6'-3"	3
6'-0"	4"	3.5"	6'-9"	3

TABLE 1



NOTES:

1. USE TYPE A PARKWAY CULVERT WHEN INLET VELOCITIES ARE 10' PER SECOND OR GREATER. USE TYPE B WHEN LESS THAN 10' PER SECOND
2. THE FLOOR SHALL HAVE A STEEL TROWEL FINISH.
3. EXPOSED METAL SHALL BE GALVANIZED AFTER FABRICATION.
4. SPAN S, WIDTH W, THE CURB FACE AND HEIGHT OF THE OPENING ARE DETERMINED FROM HYDRAULIC CAPACITY REQUIREMENTS AND DIMENSIONAL LIMITATIONS AND SHALL BE SHOWN ON THE PLANS.
5. THE CLEAN-OUT FRAME AND COVER SHALL HAVE AN APPROVED LOCKING DEVICE. ALHAMBRA FOUNDRY A-2273 OR EQUAL.
6. FOR B=3", THE FACE ANGLE SHALL BE  $2\frac{1}{2}'' \times 2'' \times \frac{5}{16}''$   
FOR B=4", USE  $3\frac{1}{2}'' \times 3'' \times \frac{5}{16}''$  ANGLE.
7. NEILSON STUDS MAY BE USED IN PLACE OF J BARS.
8. REINFORCING STEEL SHALL CLEAR 1" INSIDE THE CONCRETE FACE.

APPR. BY: <i>Steven C. Nix</i> 10/11			CITY OF CHINO HILLS ENGINEERING DEPARTMENT
STEVEN C. NIX, CITY ENGINEER DATE			
DATE	REVISION	BY	UNDER SIDEWALK DRAIN TYPE A & B DETAILS AND NOTES
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