

NOTES

1. ALL PARTS SHALL BE STEEL EXCEPT SET SCREWS, WHICH SHALL BE STAINLESS STEEL OR BRASS.
2. EXCLUDING -SET SCREWS, ALL EXPOSED -METAL PARTS SHALL BE GALVANIZED AFTER FABRICATION.
3. CURB FACE SHALL BE AS NOTED ON THE PROJECT PLANS.
4. CURB BATTER SHALL BE 3:12 UNLESS OTHERWISE SPECIFIED.

FACE PLATE

5. FACE PLATE LENGTHS SHALL BE CATCH BASIN "W" PLUS 12" EXCEPT AS MODIFIED FOR A CURB OPENING CATCH BASIN AT DRIVEWAY.
6. WHEN THE LENGTH OF THE FACE PLATE IS BETWEEN 22 FEET AND 43 FEET, 2 SECTIONS MAY BE USED. WHEN THE LENGTH EXCEEDS 43 FEET, 3 SECTIONS MAY BE USED. SECTIONS SHALL BE SPLICED ACCORDING TO THE APPLICABLE SPLICE DETAIL. SPLICE SHALL BE PLACED ONE FOOT FROM A SUPPORT BOLT.
7. WHERE CATCH BASINS ARE TO BE CONSTRUCTED ON CURVES, THE MAXIMUM CHORD LENGTH FOR THE FACE PLATE SHALL BE SUCH THAT THE MAXIMUM PERPENDICULAR DISTANCE TO THE TRUE CURVE SHALL NOT EXCEED ONE INCH. WHERE MORE THAN ONE CHORD IS REQUIRED, CHORD LENGTHS SHALL BE EQUAL. CHORD SECTIONS SHALL BE SPLICED ACCORDING TO THE APPLICABLE SPLICE DETAIL (MODIFIED TO FIT THE CHORD DEFLECTION) AND A SUPPORT BOLT SHALL BE PLACED ONE FOOT FROM THE SPLICE.
8. ROUND HEAD ANCHORS FOR THE FACE PLATE SHALL BE NELSON H-4F SHEAR CONNECTOR, KSW WELDING SYSTEMS DIVISION SHEAR CONNECTOR OR EQUAL.

SUPPORT BOLT

9. SUPPORT BOLTS ARE REQUIRED WHEN THE LENGTH OF THE CATCH BASIN OPENING IS 6 FEET OR GREATER, AND SHALL BE EVENLY SPACED ACROSS THE OPENING. SPACING SHALL NOT BE LESS THAN 3 FEET.

STIRRUP

10. FOR TYPE A, THE MATERIAL SHALL BE CAST STEEL.


PROTECTION PLAN

11. TYPE A SHALL BE USED UNLESS OTHERWISE SPECIFIED.
12. FOR TYPE A, THE BAR SHALL BE CUT TO FIT IN THE FIELD. WHEN "W" IS OVER 21 FEET, THE PROTECTION BAR SHALL CONSIST OF 2 OR MORE SECTIONS. A SPECIAL CONNECTOR BETWEEN THE PROTECTION BAR PIECES SHALL CONSIST OF A 5-INCH LENGTH OF STANDARD 3/4-INCH PIPE WITH STANDARD COUPLINGS FULLY THREADED ONTO EACH END DRILLED AND TAPPED FOR A SOCKET SET SCREW AS DETAILED FOR THE DOWNSTREAM END ANCHOR.
13. FOR TYPE B, THE BAR SHALL BE TWO PIECES. TWO EYE BOLTS AND A WELDED STIRRUP ON EACH SUPPORT BOLT ARE REQUIRED.
14. NUMBER OF PROTECTION BARS AND LOCATION (S) ARE AS FOLLOWS:

		MAXIMUM CURB FACE														
		0"-6"	7"	8"	9"	10"	11"	12"	13"	14"	15"	16"	17"	18"	S D I M E N S I O N	
C U R B B A T T E R	0:12	0	0	3-5"	3-5"	3-5"	4-5"	4-5"	5-5"	3-5"	3-5"	4-5"	4-5"	4-5"		
	1:12	0	0	3-5"	3-5"	3-5"	4-5"	4-5"	5-5"	3-5"	3-5"	4-5"	4-5"	5-5"		
	2:12	0	0	3-5"	3-5"	4-5"	4-5"	5-5"	3-5"	3-5"	4-5"	4-5"	5-5"	5-5"		
	3:12	0	0	3-5"	3-5"	4-5"	4-5"	5-5"	3-5"	4-5"	4-5"	5-5"	5-5"	4-5"		
	4:12	0	3-5"	3-5"	4-5"	4-5"	5-5"	3-5"	3-5"	4-5"	4-5"	5-5"	5-5"	4-5"		
		0	1				2*				3*					
		NUMBER OF PROTECTION BARS														

ADOPTED FROM APWA STANDARD PLAN 310-2

FORMER CITY STANDARD PLAN NUMBER (2004 EDITION): STD 316-L-F

APP. 	51568	11/24/2020			
	CITY ENGINEER	RCE	DATE	NO.	DATE

CITY OF NEWPORT BEACH DEPARTMENT OF PUBLIC WORKS

CATCH BASIN FACE PLATE ASSEMBLY  
AND PROTECTION BAR

STANDARD DRAWING NO.

305-F

SHEET 1 OF 1

DRAWN: M. ELIAS

DATE: 11/3/2020