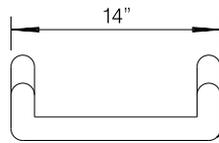
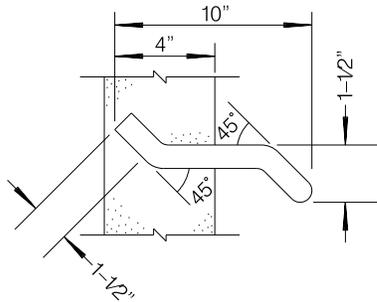


TYPICAL BOX SECTION



APPROVED STEEL REINFORCED POLYPROPYLENE STEP

STEP DETAIL

NOTES:

1. CONCRETE SHALL BE 560-C-3250 UNLESS OTHERWISE NOTED.
2. REINFORCING STEEL SHALL COMPLY WITH THIS DRAWING UNLESS OTHERWISE SPECIFIED.
3. REINFORCING STEEL SHALL BE INTERMEDIATE GRADE DEFORMED BARS CONFORMING TO LATEST ASTM SPECIFICATIONS.
4. BENDS SHALL BE IN ACCORDANCE WITH LATEST ACI CODE.
5. MINIMUM SPLICE LENGTH FOR REINFORCING SHALL BE 30 DIAMETERS.
6. FLOOR SHALL HAVE A WOOD TROWEL FINISH AND, EXCEPT WHERE USED AS JUNCTION BOXES, SHALL HAVE A MINIMUM SLOPE OF 1:12 TOWARD THE OUTLET.
7. DEPTH V IS MEASURED FROM THE TOP OF THE STRUCTURE TO THE FLOWLINE OF THE BOX.
8. WALL THICKNESS AND REINFORCING STEEL REQUIRED MAY BE DECREASED IN ACCORDANCE WITH TABLE LOCATED ON SHEET 2.
9. WALL THICKNESS SHALL BE STEPPED ON THE OUTSIDE OF THE BOX.
10. WHEN THE STRUCTURE DEPTH V EXCEEDS 4', STEPS SHALL BE CAST INTO THE WALL AT 15" INTERVALS FROM 15" ABOVE FLOOR TO WITHIN 12" OF TOP OF STRUCTURE. PLACE STEPS IN WALL WITHOUT PIPE OPENING, OTHERWISE OVER OPENING OF SMALLEST DIAMETER.
11. ALTERNATE STEP MAY BE AN APPROVED STEEL REINFORCED POLYPROPYLENE STEP.
12. UPON APPROVAL OF THE ENGINEER, AS DEFINED BY SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, THE USE OF PRECAST STORM STRUCTURES IS ACCEPTABLE AS AN ALTERNATE TO CAST-IN-PLACE. PRECAST UNITS SHALL CONFORM TO ASTM STANDARDS AND BE MANUFACTURED IN A PERMANENT FACILITY DESIGNED FOR THAT PURPOSE.
13. TYPICAL REINFORCEMENT LAP SHALL BE 30 TIMES THE BAR DIAMETER MINIMUM. DIMENSION T SHALL BE 6" MINIMUM.
14. MARK EVERY STORM DRAIN INLET WITHIN THE PROJECT BOUNDARIES WITH ADHESIVE DECAL-DISCS ON EXISTING INLETS OR AN IMBEDED CONCRETE STAMP ON NEW INLETS.
15. ON CURB INLETS, PLACE MARKER ON TOP OF THE INLET ROOF. ON CATCH BASIN, IMPRINT STAMP NEXT TO INLET GRATE.
16. NO RECYCLED WATER SHALL ENTER INTO STORM DRAIN.

SHEET 1 OF 2

REVISION	BY	APPROVED	DATE	CITY OF SAN DIEGO – STANDARD DRAWING	RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE	
ORIGINAL*	KA	J. NAGELVOORT	01/12		INLETS AND CLEANOUTS	<i>CP Dzunga</i> 7/21/15
UPDATED	FR	J. NAGELVOORT	07/15			COORDINATOR R.C.E. 56523 DATE
				NOTES AND DETAILS	DRAWING NUMBER SDD-114	

BOX SECTION HORIZONTAL REINFORCEMENT				
MAXIMUM SPAN X OR Y	DEPTH V	THICKNESS T	HOR. & FLR. REINF.	
3'-0" TO 4'-0"	4'-0"	6"	#4	18"
4'-1" TO 7'-0"		6"	#4	12"
7'-0" TO 8'-0"		6"	#4	8"
3'-0" TO 4'-0"	4'-1" TO 8'-0"	6"	#4	18"
4'-1" TO 5'-0"		6"	#4	12"
5'-1" TO 6'-0"		6"	#4	8"
6'-1" TO 8'-0"		6"	#4	6"
3'-0" TO 4'-0"	8'-1" TO 12'-0"	6"	#4	15"
4'-1" TO 5'-0"		8"	#4	12"
5'-1" TO 6'-0"		8"	#4	8"
6'-1" TO 8'-0"		8"	#4	6"
3'-0" TO 4'-0"	12'-1" TO 16'-0"	8"	#4	12"
4'-1" TO 5'-0"		8"	#4	12"
5'-1" TO 6'-0"		8"	#4	8"
6'-1" TO 7'-0"		8"	#4	6"
7'-1" TO 8'-0"		8"	#5	8"
3'-0" TO 4'-0"	16'-1" TO 20'-0"	8"	#4	12"
4'-1" TO 5'-0"		10"	#4	12"
5'-1" TO 6'-0"		10"	#4	8"
6'-1" TO 7'-0"		10"	#4	6"
7'-1" TO 8'-0"		10"	#5	8"
3'-0" TO 4'-0"	20'-1" TO 24'-0"	8"	#4	12"
4'-1" TO 5'-0"		10"	#4	12"
5'-1" TO 6'-0"		10"	#4	8"
6'-1" TO 7'-0"		10"	#4	6"
7'-1" TO 8'-0"		12"	#5	8"

SHEET 2 OF 2

REVISION	BY	APPROVED	DATE
ORIGINAL*	KA	J. NAGELVOORT	01/12
UPDATED	FR	J. NAGELVOORT	07/15

CITY OF SAN DIEGO – STANDARD DRAWING

**INLETS AND CLEANOUTS
NOTES AND DETAILS**

RECOMMENDED BY THE CITY OF SAN DIEGO
STANDARDS COMMITTEE

CA Aranga
COORDINATOR

7/21/15
R.C.E. 56523 DATE

DRAWING NUMBER **SDD-114**