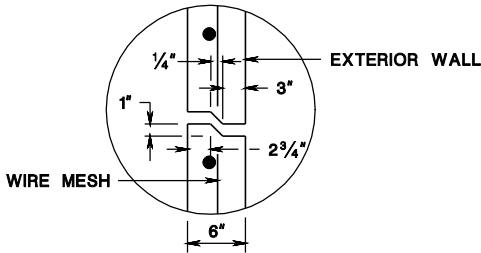


CONNECTION OF PIPE AND
INLET FOR PRECAST INLET

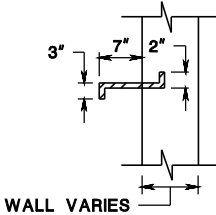
CD-602-1.1



RISER JOINT DETAIL
FOR PRECAST INLETS

NOTE:
JOINT TO BE GROUTED WITH MORTAR
BY CONTRACTOR

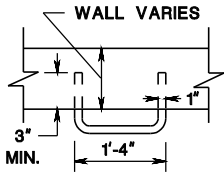
CD-602-1.2



ELEVATION

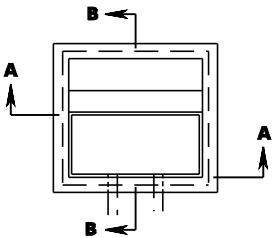
NOTE:
LADDER RUNGS FACING TRAFFIC 12" C TO C

LADDER RUNG DETAIL

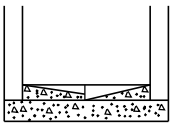


PLAN

CD-602-1.3



SECTION A-A

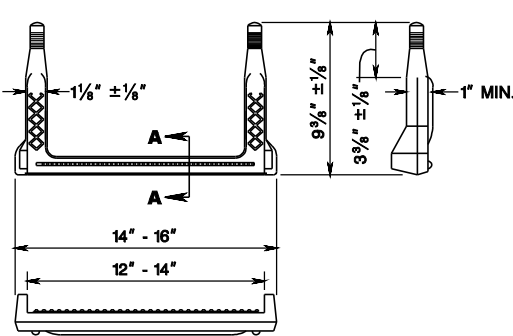


SECTION B-B

NOTE:
FOUNDATION AND INVERT TO BE CONSTRUCTED
IN TWO STAGES. THE TOP SURFACE OF
STAGE 1 TO BE LEFT ROUGH.

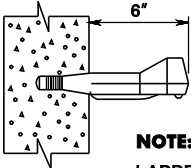
DETAIL OF INVERT FOR INLET WITHOUT CONTINUOUS PIPE

CD-602-1.4



COPOLYMER POLYPROPYLENE PLASTIC
#13 GRADE 60 REINFORCEMENT STEEL

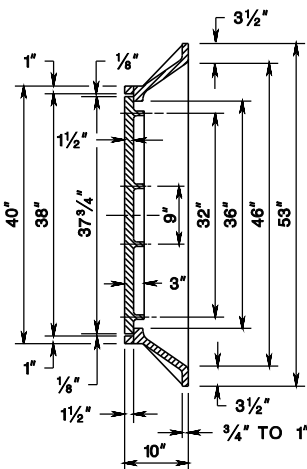
SECTION A-A



NOTE:
LADDER RUNGS FACING TRAFFIC 12" C TO C

COPOLYMER POLYPROPYLENE PLASTIC LADDER RUNG

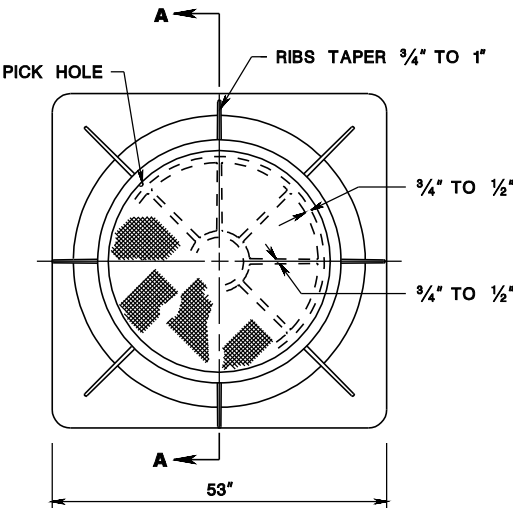
CD-602-1.5



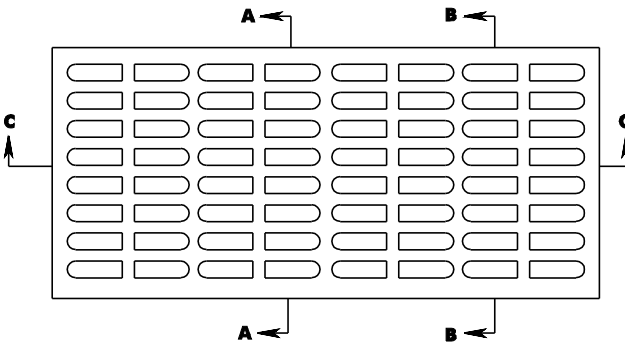
NOTE:
SEE GENERAL NOTE 9, CD-602-1.6

SQUARE FRAMED MANHOLE CASTING, CIRCULAR COVER

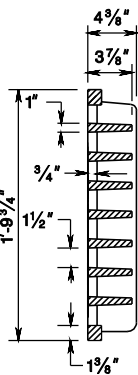
CD-602-1.7



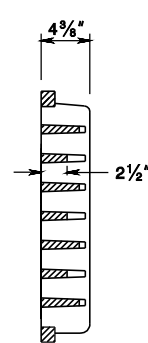
MINIMUM WEIGHTS
WEIGHT OF FRAME = 630#
WEIGHT OF COVER = 400#



WEIGHT 300 ± 15 LBS.



SECTION A-A



SECTION B-B

NOTE:
SEE GENERAL NOTE 9, CD-602-1.6

BICYCLE SAFE GRATE
(CAST IRON)

CD-602-1.8

GENERAL NOTES:

- INLETS MAY BE CONSTRUCTED OF BRICK, CONCRETE, CONCRETE BLOCK, OR PRECAST CONCRETE. WALLS TO BE 8 INCHES THICK IF BRICK AND 6 INCHES THICK IF CONCRETE, CONCRETE BLOCK, OR PRECAST CONCRETE. INLET FOUNDATIONS AND INVERTS TO BE CLASS B CONCRETE.
- CORBELLING OF INLET WALLS WILL BE PERMITTED AT THE RATE OF 1/2 INCH PER 8 INCHES OF HEIGHT; MAXIMUM CORBEL 6 INCHES PER WALL.
- EXCEPT FOR INLETS TYPE A AND C, FOUNDATIONS AND INVERTS TO BE CONSTRUCTED IN TWO STAGES, AND THE BOTTOM OF THE FOOTINGS TO BE 8 INCHES BELOW THE OUTER WALL OF THE LOWEST PIPE IN THE INLET.
- WHEN THE DEPTH OF AN INLET THAT IS NOT PRECAST EXCEEDS 10 FEET AS MEASURED FROM TOP OF GRATE TO INVERT, WALLS BELOW A DEPTH OF 8 FEET TO BE 12 INCHES THICK AND THE DEPTH OF FOUNDATION INCREASED TO 12 INCHES. WHEN ROCK IS ENCOUNTERED, THE DEPTH OF THE FOUNDATION NOT TO BE INCREASED.
- PLACE INLET FOUNDATIONS WHICH ARE PRECAST ON A 6 INCH THICK BED OF COMPACTED COARSE AGGREGATE #57. EXTEND THE COARSE AGGREGATE 6 INCHES BEYOND THE HORIZONTAL LIMITS OF THE INLET FOUNDATION.
- ADJUST CASTINGS FOR PRECAST INLETS TO GRADE WITH COURSES OF BRICK, AS REQUIRED, 12 INCHES MAXIMUM.
- WHEN THE DEPTH OF A PRECAST INLET EXCEEDS 10 FEET AS MEASURED FROM TOP OF GRATE TO INVERT, THE FOUNDATION IS TO BE INCREASED TO 12 INCHES. WHEN ROCK IS ENCOUNTERED, THE DEPTH OF THE FOUNDATION IS NOT TO BE INCREASED.
- MINIMUM WALL REINFORCEMENT FOR PRECAST INLETS TYPES A, B, C, E, D-1, D-2, AND B MODIFIED:

DEPTH BELOW TOP OF GRATE	HORIZONTAL REINF.	VERTICAL REINF.	WALL THK.
0' TO 10'-0"	#13 @ 10" C.C.	#13 @ 18" C.C.	6"
10'-1" TO 15'-0"	#13 @ 8" C.C.	#13 @ 18" C.C.	6"
15'-1" TO 20'-0"	#13 @ 6" C.C.	#13 @ 18" C.C.	6"

REINFORCING SHOWN FOR PRECAST INLETS IS THE MINIMUM REQUIRED. ADDITIONAL REINFORCING FOR HANDLING IS THE RESPONSIBILITY OF THE CONTRACTOR.

ALTERNATE REINFORCEMENT

0' TO 10'-0"	WWF 3 x 6 W6 WIRES SPACED AT 3" TO RUN HORIZONTAL IN ALL CASES.
10'-1" TO 15'-0"	WWF 3 x 6 W6 ADD #10 REINFORCEMENT STEEL @ 18" HORIZONTAL.
15'-1" TO 20'-0"	WWF 3 x 6 W6 ADD #10 REINFORCEMENT STEEL @ 9" HORIZONTAL OR ADD #13 REINFORCEMENT STEEL AT 15" HORIZONTAL.
- DIMENSIONS, WEIGHTS, AND OTHER CRITERIA SHOWN ON THESE DETAILS ARE FOR CLASS 35B CAST IRON.

CD-602-1.6

NOTE:
REINFORCEMENT STEEL IS IN METRIC UNITS.

INLET GENERAL DETAILS

N.T.S.

CD-602-1

NEW JERSEY DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS