IN Inside Face of inlet, manhole or Junction Box.

1

PLAN

SECTION A-A

SECTION C-C

SECTION B-B

CAST IRON

STEEL

ALUMINUM ALLOY (HOLLOW BAR)

ALUMINUM ALLOY (SOLID BAR)

NOTES

Metal ladder rungs are to be used in inlets, manholes, and junction boxes over three feet in depth or as directed by the Engineer. Used either with brick or concrete construction. (Where brick construction is employed, the mortar joints shall be adjusted to accommodate ladder rungs.) Metal ladder rungs may be comprised of one of the following:

1. Aluminum alloy shall conform to A.S.T.M. designation B 221 Alloy 6061-T6. That portion embedded in the structure shall be coated with zinc chromate or approved equivalent coating.
2. Cast iron shall conform to A.S.T.M. A-48 Class 30 B.

Typical ladder rung location

Specication Category Code Items

Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES

STANDARD METAL LADDER RUNGS
MISCELLANEOUS STRUCTURES

STANDARD NO. MD 383.91