



MANHOLE FRAME & COVER MINIMUM WEIGHT	
* Depth	6"
	7"
	8"
	9"
	10"
	380 lbs
	400 lbs
	440 lbs
	470 lbs
	500 lbs

- GENERAL NOTES:**
1. Either precast or cast-in-place manholes may be used.
 2. Details for manhole frame, cover and step are generic in nature and may vary from shown depending on manufacturer
 3. Use 8" thick cast-in-place concrete bases for depths less than 15' and 12" thick bases for depths 15' or greater.
 4. Manhole frames shall have a depth of 6" unless otherwise indicated on the plans.
 5. Step requirements:
 - a. 18" max. vertical clearance to bottom of manhole or concrete invert.
 - b. 3" minimum embedment.
 - c. 1,500 lb. min. pullout force.
 - d. ASTM A-615 grade 60 steel bar.
 - e. Injection molded polypropylene covering meeting ASTM D-41010
 - f. Slip resistant foot tread with "wings" to prevent feet from sliding off the edge.
 - g. Reflectors at step corners
 6. Reinforcement for precast manhole sections shall meet AASHTO M 199.

State of Alaska DOT&PF
ALASKA STANDARD PLAN
MANHOLES, FRAME AND COVER

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