

(G) Poles

Treat poles in accordance with AWWA Standard U1, except require retention of preservative as below.

Give all poles a preservative treatment of either pentachlorophenol, or chromated copper arsenate. The same type of preservative shall be used throughout the entire length of the project.

Minimum retention for poles treated with pentachlorophenol will be 0.45 lb by assay of dry chemical per cubic foot of wood. Minimum retention for poles treated with chromated copper arsenate will be 0.6 lb by assay of dry chemical per cubic foot of wood.

SECTION 1084 PILES

1084-1 PILES**(A) Treated Timber Piles**

Timber for treated timber piles shall meet Article 1082-3. Give treated timber piles a preservative treatment in accordance with Article 1082-4.

(B) Steel Piles

See Section 1076 for galvanized steel piles. Before incorporating steel piles into the work, obtain all applicable certified mill test reports clearly identifiable to the lot of material by heat numbers, submit these reports to the Engineer for review and analysis and receive approval of such test reports from the Engineer. These requirements apply to both domestic and foreign produced steel piles. Transfer the heat number of each painted pile to the newly painted surface with a permanent marker of a color contrasting to the paint once the paint has fully cured.

(1) Steel H-Piles

Steel H-piles shall meet ASTM A572 Grade 50 or ASTM A588.

(2) Steel Pipe Piles

Steel pipe piles shall be of uniform diameter and conform to ASTM A252 Grade 3 modified (50,000 psi). Make all joints and seams in the pipe pile watertight. Unless otherwise indicated by the contract, the ends of pipe pile may be flame cut. Square flame cut ends with axis of the pile to provide a full uniform bearing over the entire end area when the pile is being driven. Pipe piles under 24" in diameter shall be spliced by a certified pipe welder.

(C) Prestressed Concrete Piles

Prestressed concrete piles shall meet Section 1078.

1084-2 STEEL SHEET PILES

Steel sheet piles detailed for permanent applications shall be hot rolled and meet ASTM A690 unless otherwise required by the plans.

Steel sheet piles detailed for temporary applications shall be hot rolled and meet ASTM A328.