

SECTION 804 BEARING PILES

MATERIAL		REFERENCE	PURP.	SAMPLED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
		TESTED BY		METHOD		CONTAINER	DISTR.			
BACKFILL	Granular Type Material	804.05(k) Dist. Lab	Accept.	Proj. Engr. S 101	1/1000 yd ³	1 full sample sack	-----	-----	-----	Visual inspection by Proj. Engr. Sample only if questionable.
CONCRETE PILES (Cast-in-Place)	Concrete (Mix Designs, Materials & Tests)	804.02 804.06	Section 901 of this manual.							
	Reinforcing Steel	804.02 804.06 1009 Mat. Lab*	Accept.	Proj. Engr. S 501	1/size/grade/ 150,000 lb/ source**	48 in. length	-----	-----	10 days	*Dist. Lab in Dist. 02. **If listed on QPL 71, material with a CA (Distr. 1) need not be sampled. Sample for verification if questionable.
		804.02 804.06 1009 Mat. Lab	I A	Dist. Lab S 501	1/size/750 tons	48 in. length	-----	-----	10 days	See Independent Assurance Program S 701.
	Steel Pipe Pile	804.02 1013.11 Proj. Engr.	Accept.	-----	-----	-----	CA 4	-----	-----	Visual inspection by Proj. Engr.
	Steel Shell	804.06 Proj. Engr.	Accept.	-----	-----	-----	-----	-----	-----	Visual inspection by Proj. Engr.
CONCRETE PILES (Precast)	Pile	804.02 805.14 Const. Fab. Insp.	Accept.	Inspected, approved and stamped by Const. Fab. Insp. Unit prior to use. See Section 805 of this manual.			CD 1 & 6	-----	-----	Visual inspection by Proj. Engr. For specific details see EDSM III.2.5.7.
HYDRAULIC JACKS		804.08(a) Mat. Lab	Accept.	Calibrated by an approved, independent calibration service and a certified lab report furnished to the Mat. Lab for approval and distribution to the Proj. Engr.			CA 5	-----	12 days	The system must be calibrated at the beginning of each project and as required.
PAINT AND PROTECTIVE COATINGS	Coal Tar Epoxy	804.02 804.04(f) 1008.04	-----	-----	-----	-----	-----	-----	10 days	See Section 811 of this manual.

SECTION 804 BEARING PILES (Cont'd)

MATERIAL		REFERENCE	PURP.	SAMPLED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
		TESTED BY		METHOD		CONTAINER	DISTR.			
STEEL PILES		804.02 1013.09 Const. Fab. Insp.	Accept.	-----	-----	-----	CA 2	-----	-----	Visual inspection by Proj. Engr.
TIMBER PILES	Treated and Untreated	804.02 1014 Const. Fab. Insp.	Accept.	Inspected, approved and stamped by Const. Fab. Insp. prior to use. See Section 812 of this manual.			CD 1	-----	-----	Visual inspection by Proj. Engr.
TREATMENT OF PILE HEADS	Canvas	804.12 812.06(b) Mat. Lab	Accept.	Proj. Engr. S 601	1/shipment*	18 in. x 18 in.	-----	-----	10 days	*Visual inspection by Proj. Engr. Sample only if questionable.
	Coal Tar Pitch, Creosote Oil, Asphalt & Copper Naphthanate	804.12 812.06 Mat. Lab	Accept.	Proj. Engr. S 201	1/shipment*	1 qt Friction top can	-----	-----	10 days	*Visual inspection by Proj. Engr. Sample only if questionable.
	Fabric Covering	804.12 812.06(c) Mat. Lab	Accept.	Proj. Engr. S 601	1/shipment*	18 in. x 18 in.	-----	-----	10 days	*Visual inspection by Proj. Engr. Sample only if questionable.
	Galvanized Metal Covering	804.12 812.06(b) Mat. Lab	Accept.	Proj. Engr. S 501	1/shipment*	6 in. x 6 in.	-----	-----	10 days	*Visual inspection by Proj. Engr. Sample only if questionable.
	Galvanized Nails, Staples & Wire	804.12 812.06(c) Mat. Lab	Accept.	Proj. Engr. S 501	1/size/type/ shipment*	12 of each item** Wire - 24 in. length	-----	-----	10 days	*Visual inspection by Proj. Engr. Sample only if questionable. **Twelve nails and twelve staples are to be submitted.
WELDING		See Section 815 of this manual.								