

**SECTION 703 UNDERDRAIN SYSTEMS**

MATERIAL		REF.	PURP.	SAMPLED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
		TESTED BY		METHOD		CONTAINER	DISTR.			
FOR ASPHALTIC CONCRETE BASE COURSE & SURFACING SEE SECTIONS 724 AND 501 OF THIS MANUAL.										
BACKFILL	Aggregate (Size 3)	703.02 1003.05 Dist. Lab	Accept.	Proj. Engr. S 101	1/1000 yd³	1 full sample sack	-----	-----	4 days	-----
	Granular Material	703.02 1003.07 Dist. Lab	Accept.	Proj. Engr. S 101	1/1000 yd³	1 full sample sack	-----	-----	4 days	-----
GEOCOMPOSITE WALL DRAINS		703.02 1019.02 Mat. Lab	Accept.	Proj. Engr. S 601	1/type/lot *	4 ft²	CA 7	-----	11 days	(QPL 62) *Sample fittings 1 per type per shipment.
GEOTEXTILE FABRIC		703.02 1019.01 Mat. Lab	Prelim. Source Approval	Dist. Lab S 614	1/type/lot/ source/ shipment	3 lin ft/roll width of fabric *	-----	-----	10 days	(QPL 61) *Sample a minimum of 18 ft².
		703.02 1019.01 Mat. Lab	Accept.	Proj. Engr. S 614	1/type/ source/ shipment	3 lin ft/roll width of fabric *	CD** 1 & 7	150 yd²	10 days	(QPL 61) *Sample a minimum of 18 ft². ** Sample when not accompanied by a CD or if questionable
HARDWARE CLOTH	Rodent Screen	703.02 1018.22 Mat. Lab	Accept.	Proj. Engr. S 601	1/shipment *	1 screen	-----	-----	10 days	*Visual Inspection by Proj. Engr. Sample only if questionable.
METAL PIPE	Perforated Bituminous Coated Corrug. Steel	703.02 1007.03 Mat. Lab	Accept.	INSPECTED AND APPROVED WITH LAB NO. AND GAGE PAINTED ON OUTSIDE OF PIPE AND COUPLING BANDS BY MFR PRIOR TO USE. SEE SECTION 701 OF THIS MANUAL FOR CONST. FAB. INSP. SAMPLING.			CD 1 & 6	-----	11 days	Visual inspection by Proj. Engr. CD includes gage, diameter, coupling bands, gasket material and hardware.
	Perforated Corrugated Aluminum	703.02 1007.06 Mat. Lab	Accept.	INSPECTED AND APPROVED WITH LAB NO. AND GAGE PAINTED ON OUTSIDE OF PIPE AND COUPLING BANDS BY MFR PRIOR TO USE. SEE SECTION 701 OF THIS MANUAL FOR CONST. FAB. INSP. SAMPLING.			CD 1 & 6	-----	11 days	Visual inspection by Proj. Engr. CD includes gage, diameter, coupling bands, gasket material and hardware.

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**SECTION 703 UNDERDRAIN SYSTEMS (Cont'd)**

MATERIAL		REFERENCE	PURP.	SAMPLED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
		TESTED BY		METHOD		CONTAINER	DISTR.			
PLASTIC PIPE		703.02 1006.08 Mat. Lab	Accept.	Proj. Engr. S 601	1/type/size/ shipment	6 ft. length*	CC 7	Less than 1,000 ft	10 days	*For Corrugated Polyethylene 4 pieces 5 ft. length.
PLASTIC PIPE FITTINGS		703.02 1006.08	Accept.	Proj. Engr. S 601	3/type/size/ shipment*	-----	CC 7	Less than 1,000 ft.	10 days	Visual inspection by Proj. Engr. Sample only if questionable.
PORTLAND CEMENT CONCRETE	Headwalls (Class M)	703.03(b)(5) Proj. Engr.	Accept.	SEE SECTION 901 OF THIS MANUAL.				10 yd <sup>3</sup>	-----	-----
PRECAST CONCRETE HEADWALLS		703.02 1016.04 Mat. Lab	Accept.	INSPECTED, STAMPED AND APPROVED BY MFR PRIOR TO USE. SEE SECTION 805 OF THIS MANUAL.			CD 1 & 6	-----	-----	Visual inspection by Proj. Engr.
REINFORCING STEEL	Bars	1009.01 Mat. Lab*	Accept.	Proj. Engr. S 501	1/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.
	Wire Fabric	1009.01(e) Mat. Lab	Accept.	Proj. Engr. S 501	1/shipment*	48 in. x 48 in.	-----	-----	11 days	*Visual inspection by Proj. Engr. Sample only if questionable.

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