

Retaining Walls

Type of Construction	Material	Test	Frequency of Acceptance Samples and Tests for Job Control	Construction Stages for Obtaining Sample or Test	Sample Size	Procedures		Remarks
						Sampling Method	Test Methods	
Cast in Place	Cement	See Sections 501 and 815		See Materials, Sources, and Devices With Special Acceptance Requirements List I-2				Cement must be from an approved source
	Reinforcing Steel	Accepted on Certification	Certified mill test report ALDOT-195; Section 2.3					Verify that reinforcing bars were manufactured by an approved steel mill listed in the Materials Sources and Devices Manual with Special Acceptance Requirements Manual List I-12 Submit certifications to Division Materials Engineer
	Aggregates		Pretested ALDOT-249	See Materials, Sources, and Devices With Special Acceptance Requirements List I-1				Aggregate must be from an approved source
	Water	See Sections 501 and 807						
	Joint Fillers, Sealers, and Waterstop Materials		Pretested	See Materials, Sources, and Devices With Special Acceptance Requirements List II-10 and III-4				

Retaining Walls

Type of Construction	Material	Test	Frequency of Acceptance Samples and Tests for Job Control	Construction Stages for Obtaining Sample or Test	Sample Size	Procedures		Remarks
						Sampling Method	Test Methods	
Mechanically Stabilized Earth Wall	Wall Facing Elements		Pretested and stenciled ALDOT lot number, and technician number	Before incorporating into work			Visual for damage	ALDOT-364; Must be from an approved source on List I-8
	Concrete for Footings and/or Caps		See Section 501					
	MSE Wall Reinforcement	Chemical and Physical	Certified mill test report ALDOT-195; Section 2.3	Before incorporating into work			Visual check for damage	Submit Certifications to Division Materials Engineer with a copy to Materials and Tests Bureau, Geotech Section
	Selected Backfill (Local Material)	Gradation Atterberg Limits	Minimum 1 per each 500 yd ³ (400 m ³) ALDOT-195	Before incorporating into work	See Table No. 1 AASHTO T-2	ALDOT-210 AASHTO T-2	AASHTO T-88 AASHTO T-89 as modified by ALDOT-232 AASHTO T-90 AASHTO M-145	See Section 529 for gradation requirements
	(Commercial Aggregate)	Gradation	See ALDOT-249 and ALDOT-195	Before incorporating into work	AASHTO T-27	AASHTO T-2	AASHTO T-11 AASHTO T-27 ALDOT-253 AASHTO T-19 ALDOT-210	See List I-1, Qualified Products List

Retaining Walls

Type of Construction	Material	Test	Frequency of Acceptance Samples and Tests for Job Control	Construction Stages for Obtaining Sample or Test	Sample Size	Procedures		Remarks
						Sampling Method	Test Methods	
Gravity Walls	Precast Concrete Elements		Pretested and stenciled or tagged ALDOT and technician number	Before incorporating into work			Visual for damage	ALDOT-364; Must be from an approved source on List I-8
	Concrete for Footings and/or Caps		See Section 501					
	Selected Backfill (Local Material)	Gradation Atterberg Limits	Minimum 1 per each 500 yd ³ (400 m ³)	Before incorporating into work	50 lb (25 kg)	ALDOT-210	AASHTO T-27 AASHTO T-89 as modified by ALDOT-232 AASHTO T-90	See Section 529 for gradation requirements
	(Commercial Aggregate)	Gradation	See ALDOT-249 and ALDOT-195	Before incorporating into work	AASHTO T-27	AASHTO T-2	AASHTO T-11 AASHTO T-27 ALDOT-253 AASHTO T-19 ALDOT-210	See List I-1, Qualified Products List