

**SECTION 201 CLEARING & GRUBBING**

I-200 - 1 1/22

MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
		METHOD			CONTAINER				
BACKFILL	Usable Soil	Accept.	SEE SECTION 203 OF THIS MANUAL	Dist. Lab					

**SECTION 202 REMOVING OR RELOCATING STRUCTURES AND OBSTRUCTIONS**

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MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
		METHOD			CONTAINER				
BACKFILL	Usable Soil	Accept.	SEE SECTION 203 OF THIS MANUAL	Dist. Lab					

**SECTION 203 EXCAVATION & EMBANKMENT**

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MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
		METHOD			CONTAINER				
SOIL	Density	Quality Control	Contractor S 401	Contractor	*	----	----	----	*Shall check sufficient to ensure specifications are met.
		Accept.	PE S 401	PE	1 / 1,000 LF / 2-lane rdwy / lift	----	----	1/2 hr.	
	Embankment lift (Uncompacted Lift Thickness)	Quality Control	Contractor	Contractor	*	----	----	----	*Shall check sufficient to ensure specifications are met.
		Accept.	PE	PE	1 / 1,000 LF / 2-lane rdwy / lift	----	----	----	* PE to check lift thickness during placement & thickness of top layer during preparation.
	Moisture Content @ time of compaction	Quality Control	Contractor	Contractor	*	----	----	----	*Shall check sufficient to ensure specifications are met.
		Accept.	PE S 401	PE	1/1,000 LF/ 2-lane rdwy /lift	----	----	1 hr.	Test taken during or just prior to compaction operation.
Soil on Cut Slope (for pH and PI)	Accept.	PE S 401	Dist. Lab	1/1,000 LF/ slope/soil type	1 full sample sack	----	----	5 days	To determine the need for plastic soil blanket or soil modification option.

**SECTION 203 EXCAVATION & EMBANKMENT (Cont'd)**

MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS	
		METHOD			CONTAINER					
GEOTEXTILE FABRIC		Accept.	PE S 601	Mat. Lab	1/type/ shipment/ source	3 LF of full width of fabric roll*	CC 1	150 SY	10 days	(AML) Visually inspect seams & UV damage. Seams other than 401 or "J" shall be approved by the Materials & Testing Section. See QA Manual. *Sample a minimum of 18 SF. Avoid sampling at end of roll.
LIME	Agricultural	Accept.	PE S 102 or S 101	Mat. Lab	SEE SECTION 718 OF THIS MANUAL.					
	Hydrated or Quick Lime	SEE SECTION 304 OF THIS MANUAL.								
NON-PLASTIC EMBANKMENT	Density	Quality Control	Contractor S 401	Contractor	*	----	----	----	----	*Shall check sufficient to ensure specifications are met.
		Accept.	PE S 401	PE	1/1,000 LF/2-lane rdwy/lift	----	----	----	1/2 hr.	----
	Embankment Lift (Uncompacted Lift Thickness)	Quality Control	----	Contractor	*	----	----	----	----	*Shall check sufficient to ensure specifications are met.
		Accept.	PE*	PE	1/1,000 LF/ 2 lane rdwy/ lift	----	----	----	----	*Check lift thickness during placement.
	Moisture Content @ Time of Compaction	Quality Control	Contractor S 401	Contractor	*	----	----	----	----	*Shall check sufficient to ensure specifications are met.
		Accept.	PE S 401	PE	1/1,000 LF/ 2 lane rdwy/ lift	1 gal Friction top can	----	----	1 hr.	----
	Blended Calcium Sulfate	Source Approval	Dist. Lab S 101	Mat. Lab	1/source/ blend	6 full sample sacks	----	----	4 weeks	Source shall be approved by the Materials and Testing Lab prior to use.
		Quality Control	Contractor S 101	Contractor	*	----	----	----	----	*Shall check sufficient to ensure specifications are met.
		Accept.	PE S 101	Dist. Lab	1/2,000 CY	3 full sample sack	----	500 CY	4 days	Shall be from an approved source.

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SECTION 203 EXCAVATION & EMBANKMENT (Cont'd)

MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS	
		METHOD			CONTAINER					
NON-PLASTIC EMBANKMENT (Cont'd)	Sand	Quality Control	Contractor S 401	Contractor	*	----	----	----	*Shall check sufficient to ensure specifications are met.	
		Accept.	PE S 401	Dist. Lab	1/2,000 CY	3 full sample sack	----	500 CY	4 days	(AML)
	Stone	Quality Control	Contractor S 101	Contractor	*	----	----	----	----	*Shall check sufficient to ensure specifications are met.
		Accept.	PE S 101	Dist. Lab	1/2,000 CY	3 full sample sack	----	500 CY	4 days	(AML)
PLASTIC SOIL BLANKET	Thickness (Compacted)	Quality Control	Contractor	Contractor	*	----	----	----	----	*Shall check sufficient to ensure specifications are met.
		Accept.	PE	PE	1/1,000 LF / slope	----	----	----	----	PE to check lift thickness after compaction.
	Plastic Soil	Quality Control	Contractor S 401	Contractor	*	----	----	----	----	*Shall check sufficient to ensure specifications are met.
		Accept.	PE S 401	Dist. Lab	1/1,000 CY	1 full sample sack	----	300 CY	5 days	

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SECTION 203 EXCAVATION & EMBANKMENT (Cont'd)

MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS	
		METHOD			CONTAINER					
BORROW	Quality Control	Contractor S 401	Contractor	1 boring/acre*	----	CA	----	----	*Test results, property owner agreements, location plat, and borrow pit plat shall be submitted to Dist. Lab with boring request at least 30 calendar days prior to borrow operations.	
	Accept.	Dist. Lab S 401	Dist. Lab	1 boring/ acre for first 2 acres; 1 boring/2 acres thereafter.	1/2 sample sack*	----	100 CY	6 days	*Min. 10 lb required for test. May be sampled on the roadway if questionable.	
PRELIMINARY SOIL SURVEY	Excavation	Quality Control	Contractor S 401	Contractor	as required*	1 full sample sack	----	----	----	May be accepted by subgrade soil survey upon approval of the Dist. Lab. *Sample full depth of excavation.
		Accept.	Dist. Lab S 401	Dist. Lab	as required*	1 full sample sack	----	100 CY	5 days	
	Stockpile	Quality Control	Contractor S 401	Contractor	*	----	----	----	----	*Shall check sufficient to ensure specifications are met.
		Accept.	PE S 401	Dist. Lab	1/1,000 CY	1 full sample sack	----	100 CY	5 days	Will be approved in stockpile before placing on project.
	In Place	Verif.	PE S 401	Dist. Lab	1/project	1/2 sample sack			6 days	*Min. 10 lb required for test..
WATER	Accept.	PE S 303	Mat. Lab	1/source	1 qt plastic bottle	----	----	21 days	Visual, sample if questionable, if not potable	

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**SECTION 204 TEMPORARY EROSION CONTROL**

MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
		METHOD			CONTAINER				
FERTILIZER		SEE SECTION 718 OF THIS MANUAL.							
HAY BALES	Accept	----	PE	----	----	----	----	----	Visual inspection by PE
SILT FENCE (Wire Supported)	Livestock Wire	Accept.	PE S 601	Mat. Lab	----	----	----	10 days	*Visual inspection by PE Sample only if questionable.
	Geotextile Fabric	Accept.	PE S 601	Mat. Lab		3 LF of full width of fabric roll*	----	10 days	(AML) *Visual inspection by PE Sample only if questionable. Sample a minimum of 18 SF.
	Burlap	Accept.	PE S 601	Mat. Lab		3 LF of full width of fabric roll*	----	10 days	*Visual inspection by PE Sample only if questionable. Sample a minimum of 18 SF.
	Jute Fabric	Accept.	PE S 601	Mat. Lab		----	----	10 days	Visual inspection by PE Sample only if questionable.
SILT FENCE (Self Supported)	Geotextile Fabric	Accept.	PE S 601	Mat. Lab		3 LF of full width of fabric roll*	----	10 days	(AML) *Visual inspection by PE Sample only if questionable. Sample a minimum of 18 SF.
POSTS	Wood or Steel	Accept.	PE S 601	PE	*	----	----	----	*Visual inspection by PE
AGRICULTURAL LIME		SEE SECTION 718 OF THIS MANUAL.							
TEMPORARY CONSTR. ENTRANCE	Geotextile Fabric	Accept.	PE S 601	Mat. Lab		3 LF of full width of fabric roll*	----	10 days	(AML)*Visual inspection by PE Sample only if questionable. Sample a minimum of 18 SF.
	Recycled PCC	Accept.		PE			----	----	(AML) *Visual inspection by PE Sample only if questionable. Sample size and unit weight determined by Dist. Lab.
	Stone	Accept.		PE			----	----	(AML) *Visual inspection by PE Sample only if questionable. Sample size and unit weight determined by Dist. Lab. Must be from an approved source.

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SECTION 204 TEMPORARY EROSION CONTROL (Cont'd)

MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS	
		METHOD			CONTAINER					
MULCH	Fiber Mulch	SEE SECTION 716 OF THIS MANUAL.								
	Tacking Agent	SEE SECTION 716 OF THIS MANUAL.								
	Hay or Straw	SEE SECTION 716 OF THIS MANUAL.								
SEED		Accept.	SEE SECTION 717 OF THIS MANUAL							
SLOPE DRAINS	Fiber Mats	Accept.	----	Mat. Lab	*	----	----	----	21 days	*Visual inspection by PE Sample only if questionable.
	Pipe	Accept.	----	Mat. Lab	*	----	----	----	21 days	*Visual inspection by PE

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