

SECTION 201 CLEARING & GRUBBING

1-1 2/07	MATERIAL		PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
				METHOD			CONTAINER	DISTR.			
	BACKFILL SOIL (HOLES)	Usable Soil	Accept.	SEE SECTION 203 OF THIS MANUAL	Dist. Lab						

SECTION 202 REMOVING OR RELOCATING STRUCTURES AND OBSTRUCTIONS

1-2 2/07	MATERIAL		PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
				METHOD			CONTAINER	DISTR.			
	BACKFILL	Usable Soil	Accept.	SEE SECTION 203 OF THIS MANUAL	Dist. Lab						

SECTION 203 EXCAVATION & EMBANKMENT

1-3 2/07	MATERIAL		PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
				METHOD			CONTAINER	DISTR.			
	SOIL [D1] (Usable Soil, Usable Soil for Headers, Soil on Cut Slope) [A2] EMBANKMENT, CUT & FILL AREAS	Density	Quality Control	Contractor TR 401 S 401	Contractor TR 401	*	----	----	----	----	*Shall check sufficient to ensure specifications are met.
		Accept.	Proj. Engr. TR 401 S 401	Proj. Engr. TR 401	1/1,000 lin ft/ 2-lane rdwy /lift±	----	----	----	1/2 hr.	*DOTD TR 415 or TR 418 will be completed by the Department for each section/lift as needed for optimum moisture content and determining maximum dry weight density% compaction. [A3]	

	IA	Dist. Lab <u>TR 401</u> <u>S 401</u>	Dist. Lab <u>TR 401</u>	SEE INDEPENDENT ASSURANCE PROGRAM S 701.					
Embankment lift (Uncompacted Lift Thickness) or Subgrade Preparation [JD4]	Quality Control	Contractor	Contractor	*	----	----	----	----	*Shall check sufficient to ensure specifications are met.
	Accept.	Proj. Engr. *	Proj. Engr.	1/1,000 lin ft/ 2-lane rdwy /lift	----	----	----	----	* Proj. Engr. to check lift thickness during placement & thickness of top layer during preparation.
Moisture Content @ time of compaction [LC5]	Quality Control	Contractor <u>TR 403</u>	Contractor <u>TR 403</u>	*	----	----	----	----	*Shall check sufficient to ensure specifications are met.
	Accept.	Proj. Engr. <u>TR 403</u> <u>S 401</u>	Proj. Engr. <u>TR 403</u>	1/1,000 lin ft/ 2-lane rdwy /lift	----	----	----	1 hr.	Test taken during or just prior to compaction operation.
Soil on Cut Slope (for PH pH and PI)	Accept.	Proj. Engr. S 401	Dist. Lab <u>TR 430</u> <u>TR 428</u>	1/1,000 lin ft/ 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				DISTR.
GEOTEXTILE FABRIC		Accept.	Proj. Engr. S 601	Mat. Lab	1/type/ shipment/ source	3 lin ft of full width of fabric roll*	CC 1 [A6]	150 yd ²	10 days	(QPL-61AML) 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 ft ² . Avoid sampling at end of roll.
	Agricultural	Accept.	Proj. Engr. S 102 or S 101	Mat. Lab	SEE SECTION 718 OF THIS MANUAL.					
LIME	Hydrated or Quick Lime	Accept./ Verif./ Prelim. Source Approval	SEE SECTION 304 OF THIS MANUAL.							

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NON-PLASTIC EMBANKMENT	Density	Quality Control	Contractor <u>TR-S 401</u>	Contractor <u>TR 404</u>	*	----	----	----	----	*Shall check sufficient to ensure specifications are met.
		Accept.	Proj. Engr. <u>TR-S 401</u>	Proj. Engr. <u>TR 404</u>	1/1,000 lin ft/2-lane rdwy/lift	----	----	----	1/2 hr.	----
		IA	Dist. Lab <u>TR-S 401</u>	Dist. Lab <u>TR 404</u>	SEE INDEPENDENT ASSURANCE PROGRAM S 701.					
	Embankment Lift (Uncompacted Lift Thickness)	Quality Control	----	Contractor	*	----	----	----	----	*Shall check sufficient to ensure specifications are met.
		Accept.	Proj. Engr.*	Proj. Engr.	1/1,000 lin ft/ 2 lane rdwy/ lift[A7]	----	----	----	----	*Check lift thickness during placement.
	Moisture Content @ Time of Compaction	Quality Control	Contractor <u>S 401TR 403</u>	Contractor <u>TR 403</u>	*	----	----	----	----	*Shall check sufficient to ensure specifications are met.
		Accept.	Proj. Engr. <u>TR 403S 401</u>	Proj. Engr. <u>TR 403</u>	1/1,000 lin ft/ 2 lane rdwy/ lift	1 gal Friction top can	----	----	1 hr.	----
	Blended Calcium Sulfate	Prelim. 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.	Proj. Engr. S 101	Dist. Lab <u>TR 122 TR 113</u>	1/2,000 yd ³	43 full sample sack	----	500 yd ³	4 days	Shall be from Shall be from an approved source.
		IA	Dist. Lab S 101	Dist. Lab <u>TR 122 TR 113</u>	SEE INDEPENDENT ASSURANCE PROGRAM S 701.					

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	DISTR.			

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NON-PLASTIC EMBANKMENT (Cont'd)	Sand	Quality Control	Contractor S 401	Contractor	*	----	----	----	----	*Shall check sufficient to ensure specifications are met.
		Accept.	Proj. Engr. S 401	Dist. Lab TR 113	1/2,000 yd ³	1-3 full sample sack	----	500 yd ³	4 days	The Dist. Lab will sample if material is in borrow pit. Shall be from (AML); JD8]
		IA	Dist. Lab S 401	Dist. Lab TR 113	SEE INDEPENDENT ASSURANCE PROGRAM S 701.					
	Stone	Quality Control	Contractor S 101	Contractor	*	----	----	----	----	*Shall check sufficient to ensure specifications are met.
		Accept.	Proj. Engr. S 101	Dist. Lab TR 113	1/2,000 yd ³	1-3 full sample sack	----	500 yd ³	4 days	Shall be from QPL 2(AML);
		IA	Dist. Lab S 101	Dist. Lab TR 113	SEE INDEPENDENT ASSURANCE PROGRAM S 701.					
PLASTIC SOIL BLANKET	Thickness (Compacted)	Quality Control	Contractor S 401	Contractor	*	----	----	----	----	*Shall check sufficient to ensure specifications are met.
		Accept.	Proj. Engr. S 401	Proj. Engr.	1/1,000 lin ft /slope[A9]	----	----	----	----	Proj. Engr. to check lift thickness after compaction.
	Plastic Soil	Quality Control	Contractor S 401	Contractor	*	----	----	----	----	*Shall check sufficient to ensure specifications are met.
		Accept.**	Proj. Engr. S 401	Dist. Lab TR 413 TR 428 TR 430	1/1,000 yd ³ *	1 full sample sack	----	300 yd ³	5 days	*Not required if tested & approved as excavation or borrow pit material. Pit approval allowed if identifiable strata can be isolated. **Shall support a satisfactory stand of grass in accordance with Sections 714 or 717[LC10].
SELECTED SOIL refer to 701 repeat this column in 701 check with M. Morvant before finalized	In-Place on Roadway	Quality Control	Contractor S 401	Contractor	*	----	----	----	----	*Shall check sufficient to ensure specifications are met.
		Accept.	Proj. Engr. S 401	Dist. Lab	1/1,000 lin ft/ 2-lane rdwy or 1/2,000 lin ft / shoulder	1 full sample sack	----	----	5 days	----

Stockpile	Quality Control	Contractor S 401	Contractor	*	-----	-----	-----	-----	*Shall check sufficient to ensure specifications are met.
	Accept.	Proj. Engr. S 401	Dist. Lab	1/1,000 yd ³	-----	-----	-----	5 days	-----

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				DISTR.
USABLE SOIL BORROW	Borrow Pits	Quality Control	Contractor S 401	Contractor	1 boring/acre*	-----	-----CA	-----	-----	* Results 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.[JD11]	Dist. Lab S 401	Dist. Lab TR-423	1 boring/acre for first 2 acres; 1 boring/2 acres thereafter.	1/2 sample sack*	-----	100 yd ³	6 days	*Min. 10 lb required for test. May be sampled on the roadway if questionable.
PRELIMINARY SOIL SURVEY [JD12]	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 yd ³	5 days	
	Stockpile	Quality Control	Contractor S 401	Dist. Lab Contractor	*	-----	-----	-----	-----	*Shall check sufficient to ensure specifications are met.
		Accept.	Proj. Engr. S 401	Dist. Lab	1/1,000 yd ³	1 full sample sack	-----	100 yd ³	5 days	Will be approved in stockpile before placing on project.
In Place	Verif.	Proj. Engr. S 401	Dist. Lab TR-423	1/project	1/2 sample sack			6 days	*Min. 10 lb required for test..	

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		Accept.	Proj. Engr. S 601	Mat. Lab	-	-----	-----	-----	10 days	Visual inspection by Proj. Engr. Sample only if questionable.
	JUTE FABRIC									
		Accept.	Proj. Engr. S 601	Mat. Lab	-	3 lin ft of full width of fabric roll*	-----	-----	10 days	(QPL 61) *Visual inspection by Proj. Engr. Sample only if questionable. Sample a minimum of 18 ft ² .
	Geotextile Fabric (Self Supported)									
SILT FENCE [JD16] (Self Supported)	Geotextile Fabric	Accept.	Proj. Engr. S 601	Mat. Lab	-	3 lin ft of full width of fabric roll*	-----	-----	10 days	(AML) *Visual inspection by Proj. Engr. Sample only if questionable. Sample a minimum of 18 ft ² .
		Accept.	Proj. Engr. S 601	Proj. Engr.	*	-----	-----	-----	-----	*Visual inspection by Proj. Engr.
POSTS	Wood or Steel									
JUTE FABRIC		Accept.	Proj. Engr. S 601	Mat. Lab	-	-----	-----	-----	10 days	Visual inspection by Proj. Engr. Sample only if questionable.
LIME (Agricultural)		Accept.*	SEE SECTION 718 OF THIS MANUAL.	Mat. Lab						*Visual inspection by Proj. Engr. Sample only if questionable.
LIVESTOCK WIRE		Accept.	Proj. Engr. S 601	Mat. Lab	-	-----	-----	-----	10 days	*Visual inspection by Proj. Engr. Sample only if questionable.
TEMPORARY CONSTRUCTION ENTRANCE-M. Morvant will check spec	Geotextile Fabric	Accept.	Proj. Engr. S 601	Mat. Lab	-	3 lin ft of full width of fabric roll*	-----	-----	10 days	(QPL 61 AML) *Visual inspection by Proj. Engr. Sample only if questionable. Sample a minimum of 18 ft ² .
	Recycled PCC	Accept.	-	Proj. Engr.	-	-	-----	-----	-----	(AML) *Visual inspection by Proj. Engr. Sample only if questionable. Sample size and unit weight determined by Dist. Lab. Must be from approved source.
	Stone	Accept.	-	Proj. Engr.	-	-	-----	-----	-----	(QPL 2 AML) *Visual inspection by Proj. Engr. Sample only if questionable. Sample size and unit weight determined

by Dist. Lab. Must be from an approved source.

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				DISTR.		
MULCH	Fiber Mulch	Accept.*	SEE SECTION 716 OF THIS MANUAL.	Mat. Lab					*QPL 72AML			
	Tacking Agent	Accept.*	SEE SECTION 716 OF THIS MANUAL.	Mat. Lab					*QPL 72AML			
	Hay or Straw	Accept.*	SEE SECTION 716 OF THIS MANUAL.	Mat. Lab					*Visual inspection by Proj. Engr. Sample only if questionable.			
	Wood or Steel	Accept.	Proj. Engr. S-604	Proj. Engr.	*	---	---	---	---	*Visual inspection by Proj. Engr.		
POSTS		Accept.	SEE SECTION 717 OF THIS MANUAL.	Proj. Engr.	-	-	-	-	-			
SEED	Fiber Mats	Accept.	Proj. Engr. -----	SEE SECTION 717 OF THIS MANUAL - Mat. Lab								
							*	---	---	---	21 days	*Visual inspection by Proj. Engr. Sample only if questionable.
SLOPE DRAINS	Fiber Mats	Accept.	----	Mat. Lab	*	---	----	----	21 days	*Visual inspection by Proj. Engr. Sample only if questionable.		

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	Pipe	Accept.	----	Mat. Lab	*	----	----	----	21 days	*Visual inspection by Proj. Engr.
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