

Inspection And Verification Checklist For Roadside Revegetation

(Project Advertised on or after 1/1/20)

Complete	
SUBSOIL PREPARATION – 207-00704	
	Approve Contractor's Method Statement detailing the subsoil preparation equipment and that the minimum depth or as specified on plans can be achieved
	Approve Contractor's rod penetrometer
	Approve the initial equipment pass meets required decompaction depth by inspecting Contractor performing rod penetrometer transect method each foot along 30 feet
	Verify adequate decompaction achieved in by inspecting Contractor performing rod penetrometer testing at 10 random locations per acre.
	Verify first 4' from edge of pavement is decompacted to a depth of 6"
Complete	
TOPSOIL – On-site 207-00700, 207-00702, 207-00703, 207-00706	
	Verify that placed topsoil is free of clods, sticks, stones, debris, concrete, and asphalt more than 4 inches in any dimension
	Confirm a minimum 6" topsoil, or as specified on plans, placed on areas to be revegetated be revegetated
	Confirm that all soil amendments and mulching are completed within 4 days of placing topsoil
	Confirm no equipment, storage or foot traffic is permitted in areas to be revegetated after topsoil placement
IMPORTED TOPSOIL - 207-00702	
	Verify Amendment submittals conform with specifications. Provide submittal to Permanent Stabilization SME identified on the SWMP Plan Sheets
	Approve imported topsoil CTR submittal meets the specifications
	Approve COC submittal tis in accordance with the State of Colorado Noxious Weed Act
WETLAND TOPSOIL - 207-00703	
	Review and confirm the required depth and locations to salvage existing wetland topsoil and the stockpile locations with the wetland biologist
	Confirm wetland topsoil placed within 24 hours of excavation or as approved and to minimum 12" depth
ENGINEERED TOPSOIL – 207-00706	
	Approve CTR submittal for base material meets specifications



Complete	
AMENDMENTS (applies to all pay items)	
	Approve Seed and Amendment Quantities Worksheet
	Verify the correct application rate from the SWMP subsection 9.E. Soil Amendment Requirements
	Approve product CTR submittals meet parameters in 212
	Verify that bags or containers are unopened, damaged, and contain the approved manufacturers label. Do not accept damaged, opened or wet bags.
ORGANIC FERTILIZER – 212-00700	
	Verify if using high or low nitrogen (N) fertilizer in the SWMP Soil Amendment Requirements
COMPOST (Mechanically Applied) – 212-00701	
	Verify material is less than 2 inches in length
	Approve compost CTR submittal for testing in accordance with the U.S. Composting Council and meets specification properties
BIOTIC SOIL AMENDMENTS (Hydraulically Applied) – 212-00702	
	Verify product and manufacturer is on the Approved Product List (APL) website
	Approve the organic mulch tackifier submittal based on specification
	Perform visual observation verifying uniform application with 95% coverage rate
HUMATE -212-00703	
	Approve Humate CTR submittal meets specifications and is a screened granular form with 2% fines or less.
MYCORRHIZAE - 212-00704	
	Verify Contractor stores mycorrhizae onsite to avoid direct sunlight
ELEMENTAL SULFUR – 212-00705	
	Approve Sulfur COC submittal meets specifications

Complete	
SEEDING (applies to all pay items)	
	Inspect seed bag(s) to ensure it has not been opened and no wet or mold
	Review the vendors packing slip for the seed and verify the seed has not been in the Contractor's possession for more than 30 days
	Verify that the seed has been stored under dry conditions, between 35 ° to 90 °F and out of direct sunlight
	Verify that the seed bag label contains the following information: <ul style="list-style-type: none"> • Supplier name and address • Botanical and common name for each seed species • Lot # and Origin for each species, germination test date (month and year). Germination test date for any seed may not exceed 13 months from today's date per the Colorado Seed Act
	Verify that the seeding occurs within Seeding Seasons



SEEDING (applies to all pay items)	
	Use the Seed Tag Calculation Worksheet to calculate the amount of pure live seed (PLS) within each sealed bag and the amount of bulk seed required for each of the seeding phases based on area to be seeded.
	Verify that all invasive and noxious weeds are chemical treated a minimum of two weeks prior to seeding and any remaining plants are uprooted and disposed of offsite prior to seeding
	Verify that the finished grade is 1 inch below the top of all curbs, junction and valve boxes, walks, drives and other structures.
	Review and approve the Permanent Stabilization Phasing Plan provided by the Contractor to minimize construction activity damaged to seeded areas
	Remove seed tags and keep with project records <i>after</i> seed installation
	Verify - If drill seeding rate is specified in the plans and the Contractor uses another method increase the amount by 1.5 times at no additional cost to the Department
DRILL SEEDING – 212-00706	
	Verify topsoil surface is in a rough condition with a variance of 2 to 4 inches prior to seeding
	Test topsoil condition prior to drill seeding by the following: Walk through prepared areas, your boots should not sink more than a ¼". If the topsoil is too loose request that a cultipacker be used to firm the topsoil
	Verify that the drill seeder depth bands ride on the soil surface ensuring a ¼" planting depth and that furrows are closed with roller (packer) wheel. Adjust depth as necessary.
	Verify distance between drill seeder furrows are no more than 8 inches apart. If rows exceed 8 inches, the Contractor shall drill the areas twice at 30-degree angles to each other, where achievable, at no additional cost
HYDRAULIC SEEDING – 212-00707	
	Verify that hydro-seeder pump can operate at 100 gallons per minute and 100 pounds per square inch pressure, and tank volume can be measured
	Verify that the topsoil surface is in a rough condition with a variance of 6 to 8 inches prior to seeding
	Verify that the correct amount of water and amendments (from SWMP 9.A.) are added to the hydro-seeder tank and that the slurry is uniformly agitated
	Verify that the seed does not sit longer than three hours in the hydro-seeder tank. The Contractor should dispose of liquid mixtures sitting for longer than 3 hours offsite
	Verify a uniform application of the slurry was achieved
	Verify that the permanent stabilization mulching was completed within 24 hours of hydraulic application of seed
BROADCAST SEEDING – 212-00708	
	Verify topsoil surface is in a rough condition with 2 to 4 inches of variance prior to seeding activity
	Verify seed and mycorrhizae are lightly hand raked and covered with ¼ to ½ inches of topsoil
	Verify use of a roller on seeded areas to ensure proper seed to soil contact