



LICENSE EXPIRES - 12.31.2023
 DATE SIGNED - 12.01.2021
 ENGINEER OF RECORD:
 Todd J. Reyling, PE
 Missouri PE 201102072



New Ground Up Building for:
PLANET FITNESS
 914 Highway K
 O'Fallon, MO 63366
 St. Charles County
 MTSTUDIO PROJECT NUMBER:

ISSUED / REVISED	DATE
ISSUED TO CITY	05.12.2021
REVISED PER CITY/NOTO COMMENTS	07.20.2021
REVISED PER CITY/NOTO COMMENTS	08.10.2021
REVISED FOR RETAINING WALL	11.18.2021
REVISED PER CITY COMMENTS	12.01.2021

Table 60-5 Soil Stabilization Schedule

Soil Disturbance Activity or Condition	Required Stabilization Time
Soil disturbance has ceased in areas greater than 2,000 square feet.	14 days
After construction of dikes, swales, diversions, and other concentrated flow areas	5 days
When slopes are steeper than 3 horizontal to 1 vertical	7 days
When slopes are greater than 3% and longer than 150 feet.	14 days
Perimeter controls around soil stockpiles.	End of workday
Stabilization or covering of inactive stockpiles.	30 days
When land disturbance is completed, permanent soil stabilization must be installed.	30 days

Table 60-6 Soil Amendment Rates

Soil Amendment Material	Application Rate (Lb per Acre)
Fertilizer	Nitrogen (N) 30 ¹
	Phosphate (P ₂ O ₅) 90 ¹
	Potash (K ₂ O) 90 ¹
Lime	1,000 ²

¹Increase the rate by 25% for slopes steeper than 5:1.
²Rate is in effective neutralizing material (ENM) units.

Table 60-7 Temporary Fall Seeding

Plant Species	Rate ¹ (lb/acre)	Seeding Times
Side-Oats	65	8/16 – 9/30
Winter Rye	50	8/01 – 10/15
Winter Wheat	60	8/01 – 10/15
Orchard Grass	120	8/01 – 10/15
Perennial Ryegrass	80	8/01 – 10/15
Tall fescue, Smooth Brome	80	8/01 – 10/15
K-31 Fescue	120	9/01 – 11/15
Ladino Clover	2 ²	8/15 – 9/15
Crimson Clover	6 ²	8/15 – 9/15
Orchard Grass and Oats or Rye	15 ² 40 ²	8/15 – 9/15

¹If using aerial seeding or other broadcast method to apply seed without rolling or culti-packing, increase seeding rates by 50 percent.
²Pure live seed (PLS)

Table 60-9 Mulching Materials

Material	Rate	Requirements	Installation/Uses
Straw	1.5-2.5 tons/ac (3-4 tons, if roller punched)	Dry, unchopped, unweathered; free of weed seeds & rot.	Spread by machine 1.5-2.5 inches deep; must be tacked or tied down.
Compost Blanket	1" thick	Double the application rate for embankments	Follow manufacturer's application method.
Wood fiber, wood cellulose, paper	1-2 tons/ac	Double the application rate in critical areas	Use with power mulcher or hydroseeder; may be used to tack straw on steep slopes. Cannot be used in hot dry weather.