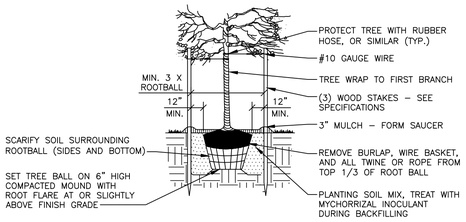
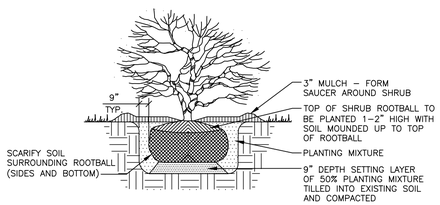


NOTES
1. TREES WITH 2.5" CALIPER MUST HAVE A MINIMUM VOLUME OF 500 CF OF NEW PLANTING SOIL MIX AROUND THE ROOT BALL.
2. TREES WITH 3" CALIPER MUST HAVE A MINIMUM VOLUME OF 750 CF OF NEW PLANTING SOIL MIX AROUND THE ROOT BALL
3. CONTRACTOR TO CONFIRM PERCOLATION OF ALL PLANTING PITS PRIOR TO TREE INSTALLATION. IF PITS DO NOT PERCOLATE, INSTALL 4" PERFORATED UNDERDRAIN AT BOTTOM OF PIT AND CONNECT TO NEAREST DOWNSTREAM STORM CATCHBASIN/MANHOLE.

1 TREE PLANTING DETAIL
NOT TO SCALE



2 SHRUB PLANTING DETAIL
NOT TO SCALE

SOIL AMENDMENT RATES:

Soil Amendment Material		Application Rate (Lb per Acre)
Fertilizer	Nitrogen (N)	30 [1]
	Phosphate (P_2O_5)	90 [1]
	Potash (K_2O)	90 [1]
Lime		1,000 [2]

Table 60-6 Saint Charles County, Missouri Design Criteria

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

Table 60-7 Saint Charles County, Missouri Design Criteria

TEMPORARY SPRING SEEDING:

Plant Species	Rate [1] (lb/acre)	Seeding Dates
Winter Rye	50	3/15 – 5/31
Spring Oats	65	3/15 – 5/31
Annual Ryegrass	4 [2]	3/15 – 6/15
Sudangrass	16 [2]	4/15 – 6/15
K-31 Fescue	30 [2]	3/15 – 5/31
Red Clover & Oats	2 [2] 30 [2]	3/15 – 5/31

Table 60-8 Saint Charles County, Missouri Design Criteria

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.

Table 60-9 Saint Charles County, Missouri Design Criteria

THESE DOCUMENTS ARE THE EXCLUSIVE PROPERTY OF MICHAEL E. NEIKIRK, PE AND THEREBY PROTECTED UNDER COPYRIGHT LAWS. ALL ORIGINAL DESIGNS, SPECIFICATIONS AND IDEAS REPRESENTED HERE ARE FOR THE SOLE USE OF THIS PROJECT AND SHALL NOT BE REPRODUCED OR ALTERED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF MICHAEL E. NEIKIRK, PE.
Copyright 2021 Michael E. Neikirk, PE. All rights reserved.

REVISIONS

NO.	DESCRIPTION	DATE
	CONSTRUCTION DOCUMENTS	11/29/22

MICHAEL E. NEIKIRK PE
Civil Engineer
306 North Market Street, Ste 101
Mt. Carmel, IL 62863
Phone: (618) 263-4100

SCALE:	NTS
DRAWN BY:	RM
DESIGNER:	TJL,RM
CHECKED BY:	TJL
ENGINEER:	Michael E. Neikirk
ARCHITECT:	IDesign
OWNER:	Bluegrass Hospitality Group

CERTIFIED BY

JOB TITLE
DRAKE'S RESTAURANT
900 HIGHWAY K
O'FALLON, MO

DRAWING TITLE
LANDSCAPE DETAILS

FILE LOCATION

DRAWING NUMBER
C7.1

REV #