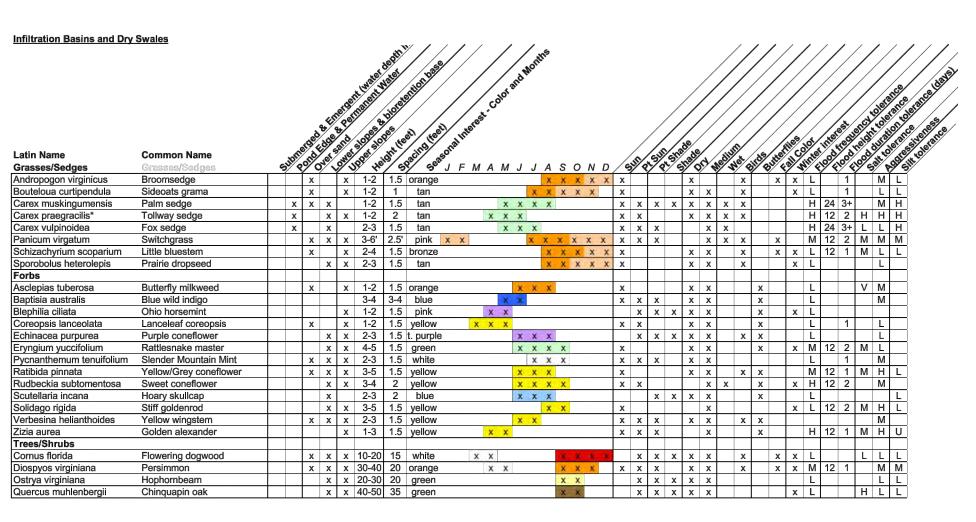


INFILTRATION TRENCH MAINTENANCE

Infiltration Practice Typical Routine Maintenance Activities and Schedule		
Maintenance Activity	Schedule	
 Inspect to ensure that contributing drainage area and infiltration practice are clear of sediment, trash and deb Remove any accumulated sediment and debris. Ensure that the contributing drainage area is stabilized. Plant replacement vegetation as needed. Check observation well to ensure that infiltration practic is properly dewatering after storm events. 	Monthly	
 Inspect pretreatment devices for sediment accumulation Remove accumulated sediment, trash and debris. Inspect top layer of filter fabric and pea gravel or 	n.	
landscaping for sediment accumulation. Remove and replace if clogged.		
 Inspect the practice for damage, paying particular attention to inlets, outlets and overflow spillways. Repair or replace any damaged components as needed. 	ir Semi-Annually during first year and Annually thereafter	
 Inspect the practice following rainfall events (specifically large rainfall events). Check observation well to ensure that complete drawdown has occurred within 72 hours after the end of a rainfall event. Failure to drawdown within this timeframe may indicate infiltration practice failure. 	y	
 Remove aggregate and install clean, washed trench aggregate It may be necessary to replace piping, filter fabric, etc. 	Upon Failure	



Local Ecotype Rule: Plants of Missouri or Southern Illinois ecotype are required.

Must use a minimum of 5 grass/sedge species and 8 forb species for each BMP. Each species must consist of between 5% - 15% of the total plant count for each BMP.

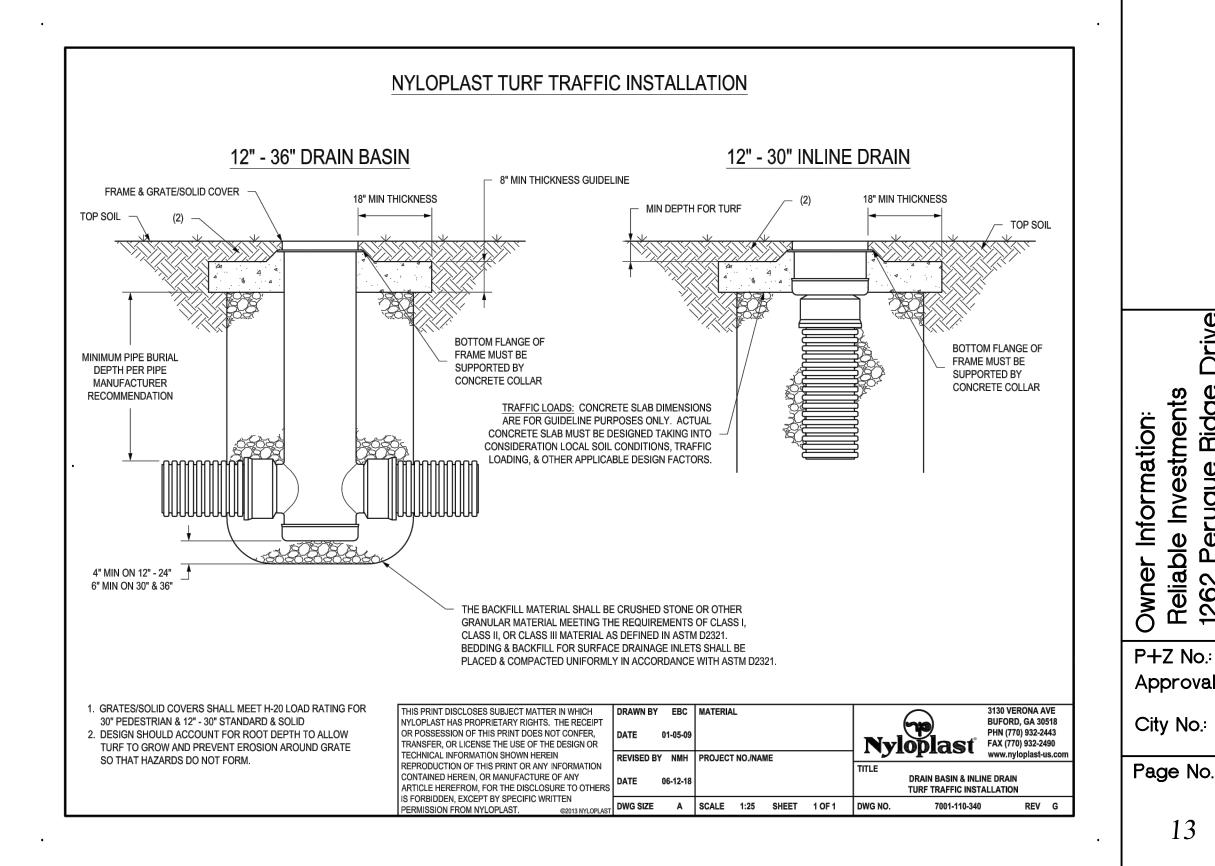
Refer to Planting, Water, and Mulch Requirements for Stormwater BMP's for plant sizes and irrigation requirements Biodegradable erosion blanket must be used on slopes greater than 10%.

Erosion blankets must be coarse to allow varying leaf sizes (examples include Geojute, Curlex #1 and NorthAmerican Green S75 single net straw blanket, or equivelant) *Experimental for practice and/or limited availability in commercial trade

NATIVE VEGETATION SWALE MAINTENANCE

Enhanced Swale Typical Routine Maintenance Activities and Schedule

	Activity	Schedule
•	Prune and weed to maintain appearance. Dissipate flow when erosion is evident. Remove trash and debris. Remove sediment and debris from inlets and outlets. Remove sediment build-up within the bottom of the swale once it has accumulated to 25% of the original design volume. Remove and replace dead or damaged plants.	As needed or 4 times during growing season
•	Mow the dry enhanced swale as necessary to maintain a grass height of 4-6 inches, ensuring grass clippings are not placed in the practice. Observe infiltration rates after rain events. Dry enhanced swales should have no standing water within 48 hours of a storm event (though 24 hours is more desirable). Inspect for evidence of animal activity.	
•	Inspect for erosion, rills, or gullies and repair. Replant wetland species (for wet swale) if not sufficiently established. Test the planting soils for pH levels. Consult with a qualified licensed Professional to determine and maintain the proper pH levels. Inspect pea gravel diaphragm for clogging.	Annually (Semi-annually the first year)
•	Trim planting material. Inspect for snow accumulation.	As needed or during winter months
•	Replace/repair inlets, outlets, scour protection or other structures as needed. Implement plant maintenance plan to trim and divide perennials to prevent overcrowding and stress. Check soil infiltration rates to ensure the dry enhanced swale soil is draining the water at a proper rate. Roto-till or cultivate the surface of the sand/soil bed of dry swales if the swale does not draw down within 48 hours.	2 to 3 years





ENGINEERS AUTHENTICATION

The responsibility for professional engineering liability on this project is hereby limited to the set of plans authenticated by the seal, signature, and date hereunder attached. Responsibility is disclaimed for all other engineering plans involved in this project and specifically excludes revisions after this date unless reauthenticated.

PICKETT, RAY & SILVER, INC

KARL A. SCHOENIKE PE-2003015039 04/15/2022

KARL ANTHONY SCHOENIKE, P.E. PE-2003015039

P+Z No.: Approval Date: 11-04-2021

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