

SOIL PROTECTION STANDARDS

Best Management Practices (BMPs)

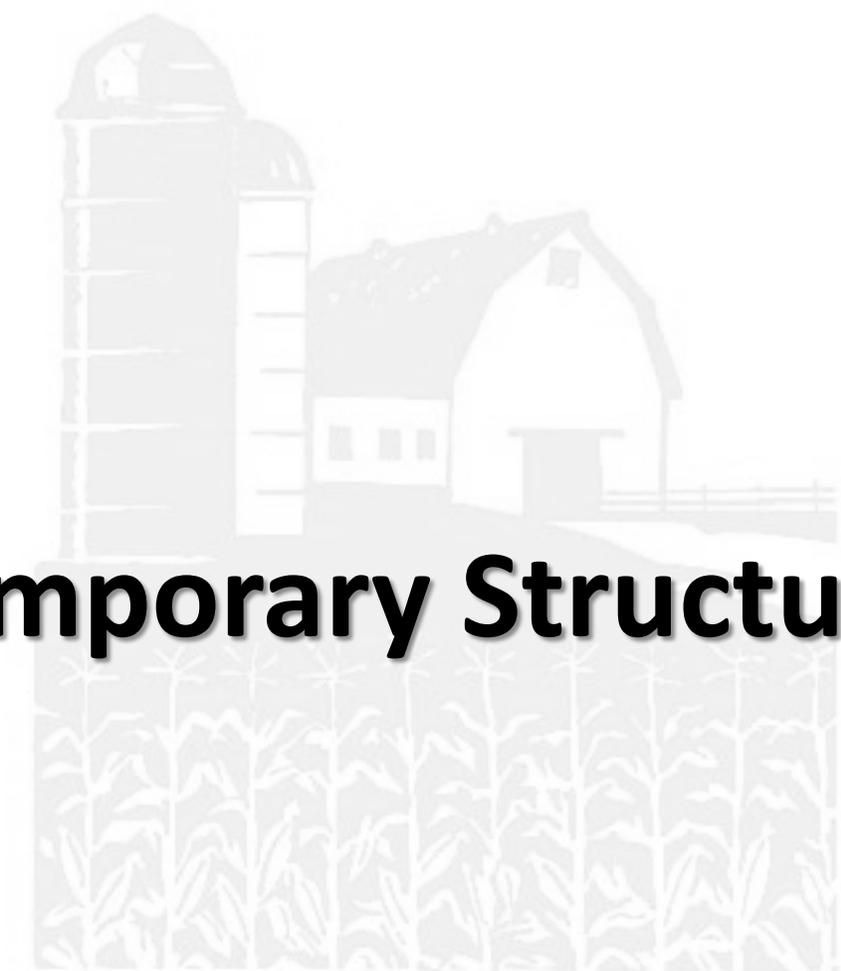
February 27, 2020





Degree of Reversibility

Land Use	Limitation Class
Permanent buildings/structures/hardscape	Limited to 8% of the premises or 6 acres, whichever is greater
Permanent travel lanes	
Permanent equine tracks and arenas	
Permanent parking and storage areas	
Soil movement below plow layer depth (includes stormwater basins)	
Improved travel lanes	Additional allowance of 5% of the premises (beyond 8%/6 acres threshold) if following BMPs; subject to 8%/6 acres if not following BMPs
Improved equine tracks and arenas	
Semi-permanent parking and storage areas	
Geotextiles and geomembranes	No limit on activity if following BMPs; subject to 8%/6 acres if not following BMPs
Temporary structures	
Unimproved travel lanes	
Unimproved equine tracks and arenas	
Temporary parking and storage areas	
Topsoil stockpiles and compost piles	
Agricultural water impoundment	
Solar panels	
Agricultural production (pastureland, cropland)	No Limit on Activity
Curtilage/lawn	
Woodlands	
Natural wetlands/streams	
Approved conservation practices	



Temporary Structures

PRESERVED

FARMLAND

PRIVATE LAND, PUBLIC LEGACY

High Tunnels and Low Tunnels

- ▶ No foundation
- ▶ Can be anchored
- ▶ Plastic cover no more than 6 mils thickness
- ▶ Installed to minimize erosion



High Tunnels Not Following BMPs



Temporary Tents

- ▶ Must maintain 70% ground cover, 90% crop residue, 6 inches coarse mulch, or ground protection mats
- ▶ Less than 30 consecutive days of use
- ▶ Less than 120 total days of use
- ▶ Restoration after use (reseeding, cover crop, straw mulch, etc.)



<http://www.jamaicatent.com>



<https://www.adirondack.net/>

Movable Structures

- ▶ Use outrigger boards beneath jacks
- ▶ Less than 120 total days of use
- ▶ Restoration after use (reseeding, cover crop, straw mulch, etc.)



Septicnow.com



Dakotariggers.com



<http://festivalandeventproduction.com/>

Run-in/Turn-out Shed

- ▶ No floor
- ▶ Less than 250 sq ft total area
- ▶ Less than 14 ft tall
- ▶ No utility connections



Thefencemaster.net

Garden-Type Utility Shed

- ▶ No foundation
- ▶ Less than 200 sq ft total area
- ▶ Less than 10 ft tall
- ▶ No utility connections



Permanent Structures





Temporary and Semi-Permanent Parking and Storage Areas

PRESERVED
FARMLAND
PRIVATE LAND, PUBLIC LEGACY

PARKING AND STORAGE AREA BMP CATEGORIES

	DESCRIPTION	DURATION	COVER	PUBLIC/PRIVATE	BMP
Not Disturbance	Occasional use, storage/staging/parking	Less than 30 days	>70% vegetation **	private only	
Temporary	Low intensity personal storage; tractors, RVs, trailers	More than 30 days	>70% vegetation ** around equipment	private only	Weed control
	Infrequent or seasonal parking on ag field	Less than 30 days	>70% vegetation **	public or private	No parking structures
		Less than 120 days	ground protection mats	public or private	Revegetate
Semi-Permanent	Infrequent parking in a grass parking lot (e.g. farm fair lot)	Less than 30 days	>70% vegetation **	public or private	Aerate soil monthly
	Semi-regular parking on ag field (well managed veg)	More than 30 days	> 70% vegetation ++	public or private	Aerate soil monthly
	Semi-regular parking on ag field (stressed veg)	More than 30 days	< 70% vegetation ++	public or private	Grass reinforcement mesh
		More than 120 days	ground protection mats	public or private	Soil Testing
	Improved parking	indefinite	stockpile topsoil, gravel to standard	public or private	Topsoil stockpile counts towards 5%
Permanent	Intensive-use farm yard, frequent parking	indefinite	0-30% vegetation	public or private	
	Intensive-use farm yard, frequent parking	indefinite	gravel not to standard	public or private	
	Permanent parking/storage	indefinite	asphalt, concrete	public or private	
	Blended soil profile	indefinite	any	public or private	

** or 90% crop residue or 4-6 inches coarse mulch

++ or 4-6 inches coarse mulch

Ag. Production

- ▶ Occasionally parking agricultural vehicles in a field



Temporary Parking and Storage

- ▶ Private Use:

- ▶ Low intensity

- ▶ Public Use:

- ▶ Short duration: Less than 30 days use
 - ▶ More than 70% vegetation, or 90% crop residue, or 4-6 inches coarse mulch



Low-Intensity Cover

- ▶ More than 90% crop residue



<https://www.mdpi.com/2073-4395/9/10/640/htm>

- ▶ 4-6 inches coarse mulch



<http://www.jarutter.com/>

- ▶ More than 70% vegetation



Field Moisture Capacity



The Forge Garden

Temporary Parking and Storage

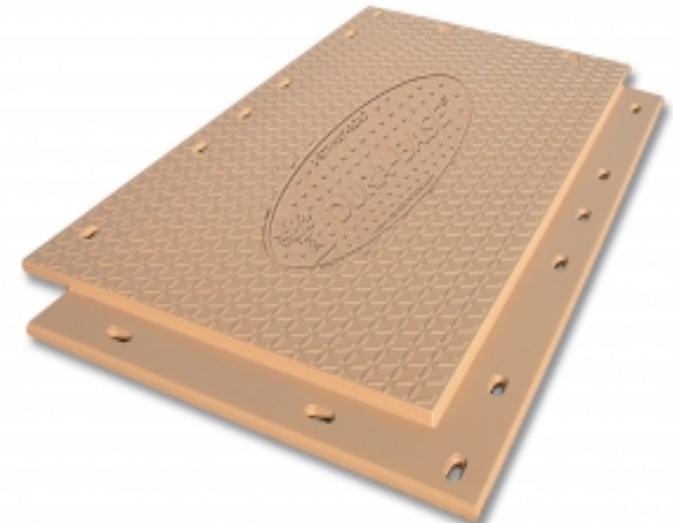
- ▶ Ground Protection Mats:
 - ▶ Less than 120 days of use
 - ▶ Restoration after use (reseeding, cover crop, straw mulch, etc.)



Chinahmwpe.com



Northerntool.com



<https://www.newpark.com/durabase-mats/>

PARKING AND STORAGE AREA BMP CATEGORIES

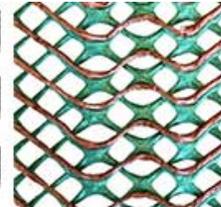
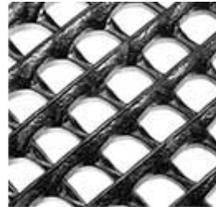
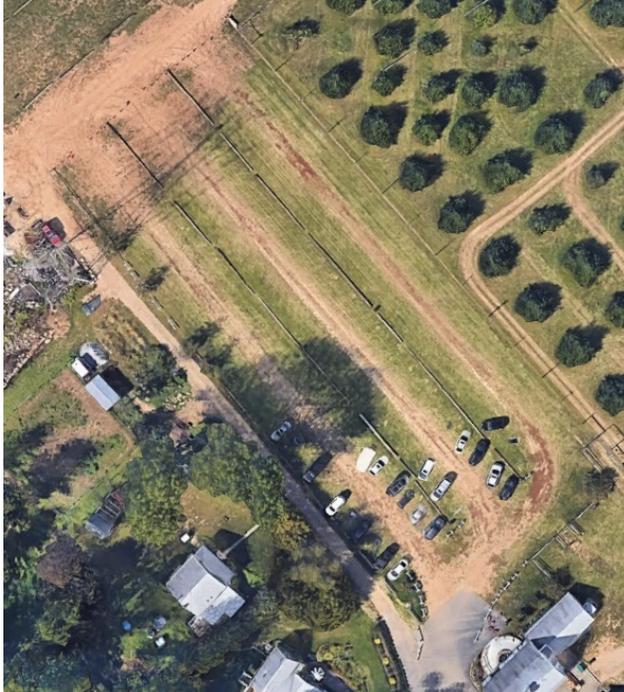
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Semi-Permanent Parking and Storage

- ▶ More than 30 days use AND
 - ▶ More than 70% vegetation or less than 4-6 inches coarse mulch
 - ▶ Aerate monthly
 - ▶ Less than 70% vegetation or less than 4-6 inches coarse mulch
 - ▶ Grass reinforcement mesh

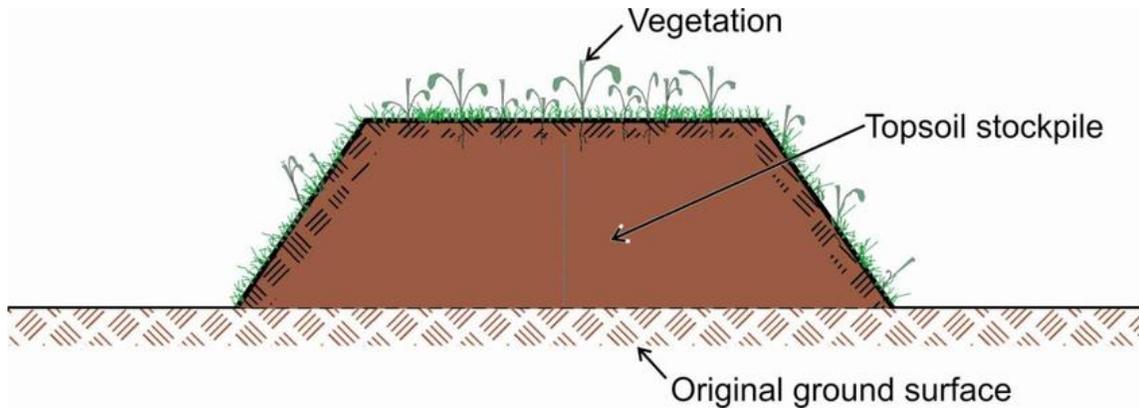


<https://www.landscapediscount.com>



Semi-Permanent Parking and Storage

- ▶ Improved
 - ▶ Stockpile topsoil
 - ▶ Separate layers
 - ▶ Minimum 6 inches of 1-3 inch gravel



https://www.researchgate.net/figure/Example-of-a-vegetated-topsoil-stockpile_fig168_318967816



Vtwatershedblog.com

Permanent Parking and Farmyards

