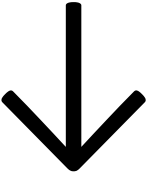


SOIL PROTECTION STANDARDS

Summary of Draft Proposal





Degree of Reversibility

Land Use	Treatment
Permanent buildings/structures/hardscape	Always Soil Disturbance
Permanent travel lanes	
Permanent equine tracks and arenas	
Permanent parking areas	
Soil movement below plow layer depth (includes stormwater basins)	
Improved travel lanes	Soil Disturbance but Dispensation Given if Following BMPs
Improved equine tracks and arenas	
Improved parking areas	
Geotextiles and geomembranes (weed fabric, plastic mulch)	Soil Protection if Following BMPs
Temporary structures (includes hoop houses)	
Unimproved travel lanes	
Unimproved equine tracks and arenas	
Temporary parking areas	
Topsoil stockpiles and compost piles	
Agricultural water impoundment (irrigation ponds, tailwater recovery)	
Solar panels	
Agricultural production (pastureland, cropland)	Always Soil Protection
Curtilage/lawn	
Woodlands	
Natural wetlands/streams	
Approved conservation practices	

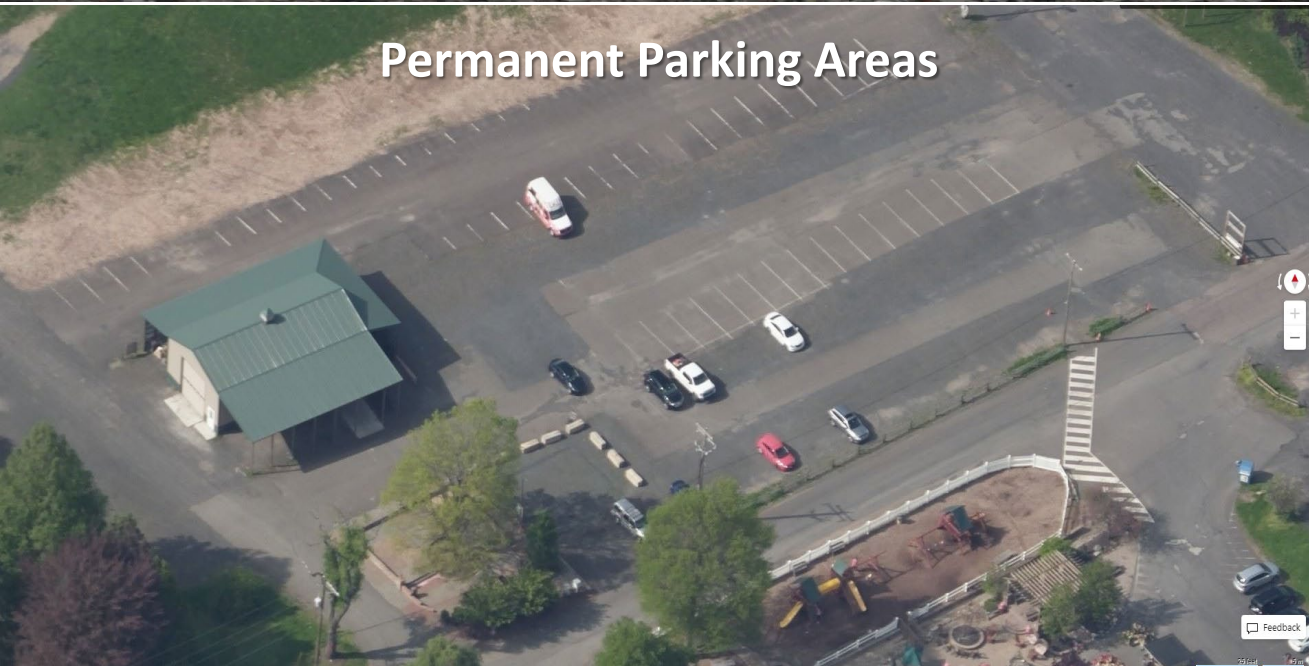
Soil Movement Below the Plow Layer



Permanent Travel Lanes



Permanent Parking Areas



Permanent Buildings/Structures



Perm. Dist. - Limited to 8%/6 ac. (whichever is greater)

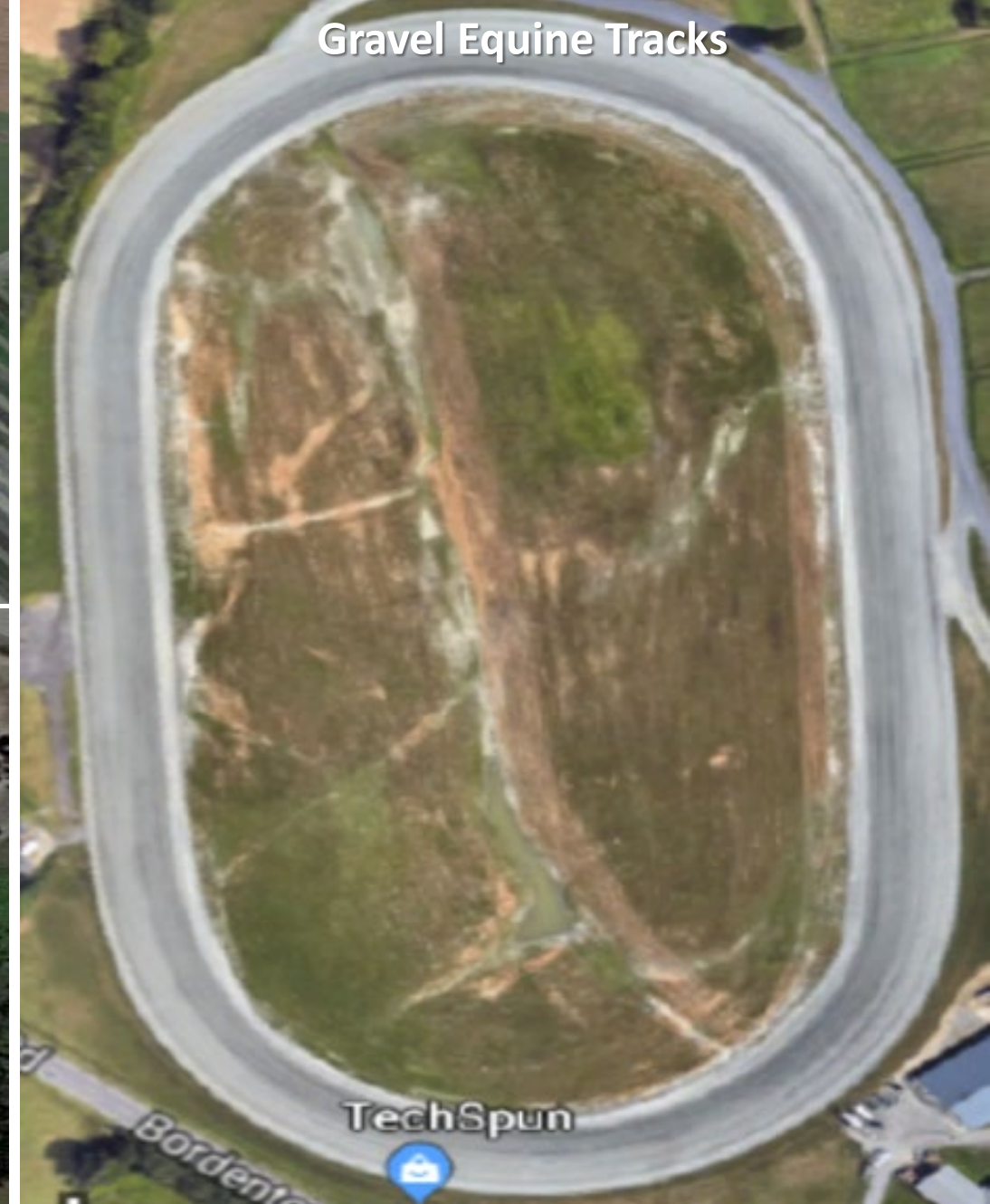
Gravel Travel Lanes



Compacted Parking Areas



Gravel Equine Tracks



Semi-Perm. Dist. - Additional 5% if Following BMPs

Geotextiles



Hoophouses



Solar Panels



Unimproved Travel Lanes



Temporary Disturbance - Unlimited if Following BMPs

Deep Tillage



Silviculture



Conservation Practices (Grass Waterway)

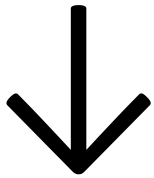


Ag. and Natural Resources - Unlimited

SOIL PROTECTION STANDARDS

Best Management Practices (BMPs)





Degree of Reversibility

Land Use	Treatment
Permanent buildings/structures/hardscape	Always Soil Disturbance
Permanent travel lanes	
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Soil movement below plow layer depth (includes stormwater basins)	
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Approved conservation practices	



Geotextiles & Geomembranes

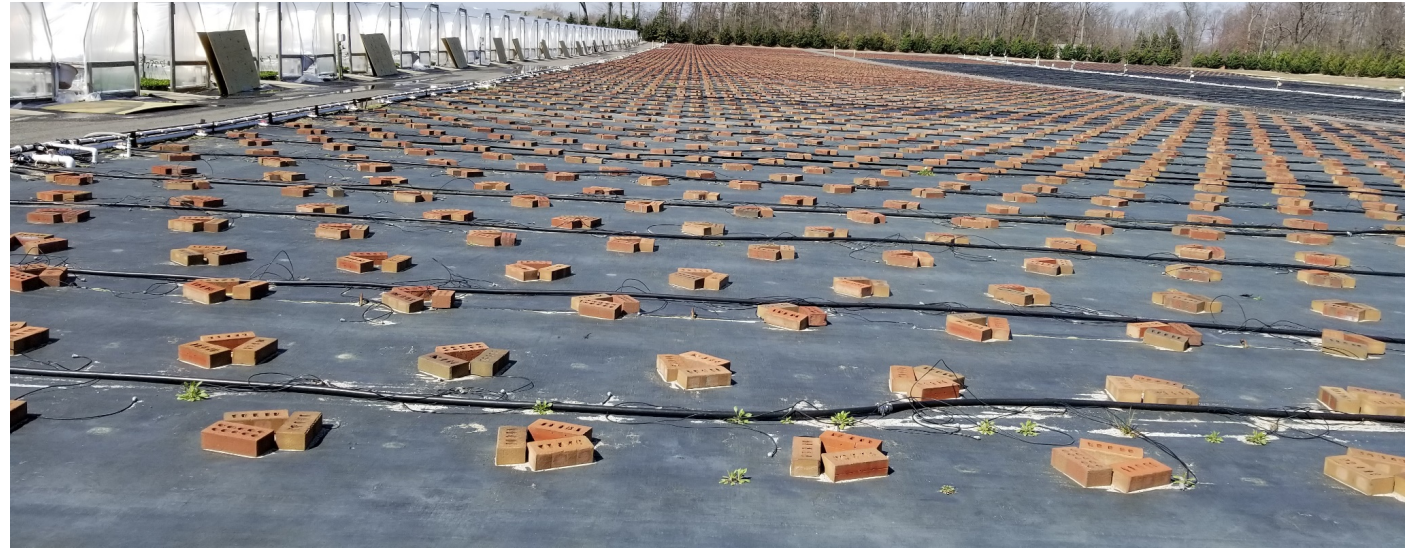
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FARMLAND

PRIVATE LAND, PUBLIC LEGACY

Permeable Geotextile Use that Follows BMPs

- ▶ Example use: intensive nursery production
- ▶ Fabric must be:
 - ▶ Over uncompacted native soil
 - ▶ Permeable to water



Impermeable Geomembrane Use that Follow BMPs

- ▶ Examples include liners for:
 - ▶ Manure lagoons
 - ▶ Irrigation ponds
 - ▶ Tailwater recovery systems
- ▶ Must be designed and sized as part of a conservation plan
- ▶ Must follow NRCS standards



Temporary Impermeable Geomembrane Use that Follows BMPs

- ▶ Example use: intensive field crop production, silage wraps
- ▶ Geomembrane must be:
 - ▶ Fully removed at the end of its life
 - ▶ Installed to minimize erosion



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Geotextile Use Not Following BMPs

- ▶ Compacted subsoil
- ▶ Underlain by gravel



Temporary Geomembrane Use Not Following BMPs

- ▶ Improper disposal
- ▶ Excessive erosion

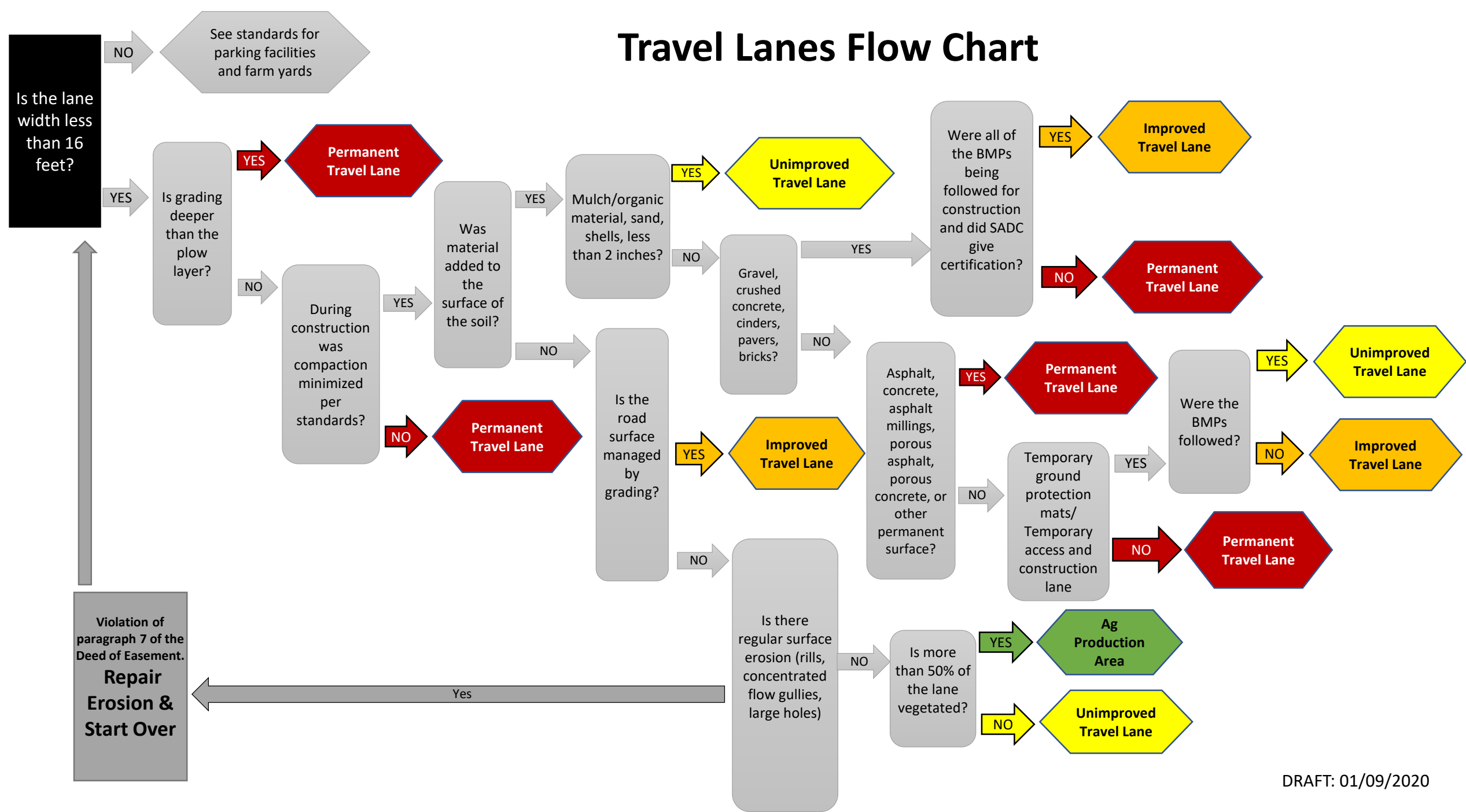




Travel Lanes

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Travel Lanes Flow Chart



Ag. Production Lanes

- Low-use lane
- Native soil
- Greater than 50% vegetated



Unimproved Travel Lanes

- ▶ Low- to moderate- use lane
- ▶ Minimal width – less than 16 feet
- ▶ Made of native soil or shells
- ▶ Includes protected temporary access roads



Improved Travel Lanes

- ▶ Stockpile topsoil
- ▶ No deliberate soil compaction
- ▶ Separate base material from native soil
- ▶ Minimum 6 inches subbase to distribute loads



Example of geotextile separation



Travel Lanes Not Following BMPs

- ▶ Erosion could be remediated by following Improved Travel Lane BMP and modifying field practices



Permanent Travel Lanes

- ▶ Any lanes not following BMPs
- ▶ Any lanes surfaced with
 - ▶ Asphalt
 - ▶ Poured concrete
 - ▶ Asphalt millings
 - ▶ Porous pavement

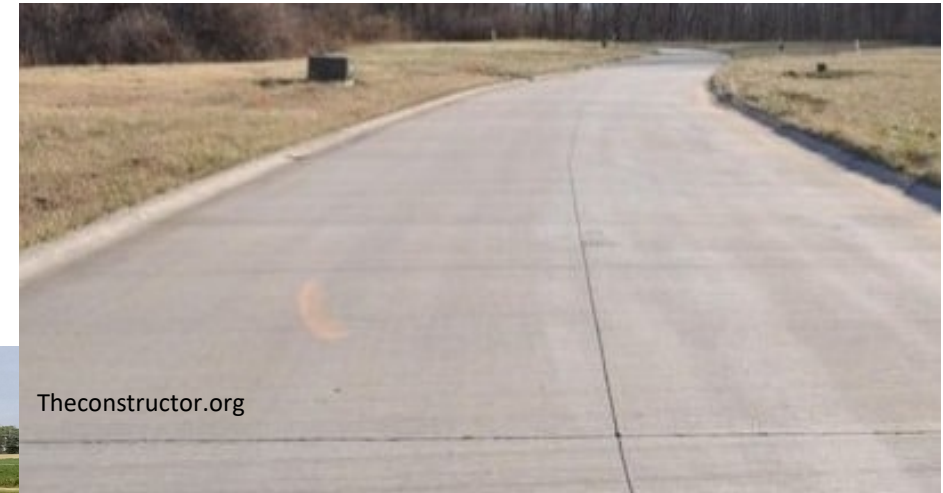
Asphalt



Asphalt millings



Poured concrete



Porous pavement

