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Court Condition Assessment & Professional Findings

This report outlines the observed conditions of the court surfaces, contributing factors, and recommended corrective actions. The goal is to support informed decision-making aligned with long-term playability, safety, and facility stewardship.

Surface Ponding

Certain areas of the court retain water after rainfall or washing. This indicates that the surface is no longer achieving the recommended true-plane drainage slope. Standing water accelerates surface wear and supports algae growth.

Recommended Action: Correct low areas ('birdbaths') and re-establish a consistent slope of approximately 0.83–1.0% (1:120 to 1:100), in line with industry guidance.

Subsurface Moisture & Soft Spots

Moisture infiltration beneath the surface can weaken the underlying structure and lead to localized soft areas or future cracking.

Recommended Action: Address drainage pathways and reinforce affected zones to restore structural stability.

Weather Exposure & Surface Wear

Outdoor hard courts experience year-round weathering. Inadequate stormwater management can increase wear rates.

Recommended Action: Resurface using an all-weather acrylic polymer system engineered for outdoor performance in high-traffic school environments.

Algae or Moss Growth

Algae or moss may appear in shaded or consistently damp areas, reducing surface traction and increasing slip risk.

Recommended Action: Improve drainage and sun exposure where practical, clean affected surfaces, and re-texture during resurfacing to restore safe grip.

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Tree Root Interference

Tree roots may cause surface lifting or uneven playing conditions.

Recommended Action: Remove or reduce root intrusion and repair affected areas to maintain level play.

Grass & Weed Edge Intrusion

Vegetation encroaching at the court perimeter allows moisture entry and compromises the surface bond.

Recommended Action: Excavate and seal edges to prevent regrowth and improve moisture resistance.

Structural Cracks

Cracks indicate movement in the base layers. Surface coatings alone will not fully resolve these conditions, though appropriate crack repair and resurfacing can limit further propagation.

Recommended Action: Repair and seal cracks before resurfacing with a flexible acrylic polymer coating designed to mitigate crack telegraphing.

Delamination (Layer Separation)

Separation of coating layers indicates compatibility or preparation issues.

Recommended Action: Remove loose material and resurface using a compatible acrylic sports-surface system with correct surface preparation.

Court Line Paint Compatibility

Some existing line markings appear to use non-acrylic paint, which may reduce adhesion and durability.

Recommended Action: Reapply lines using 100% acrylic, sport-grade line paint formulated for textured hard courts.

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Surface Texture & Traction

A slippery or overly smooth surface may result from wear, contamination, or loss of texture.

Recommended Action: Clean the surface and restore texture during resurfacing. Slip resistance may be evaluated where needed (e.g., ASTM E303).

Potholes & Depressions

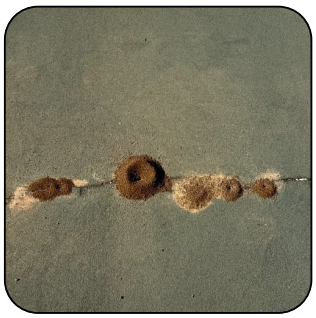
Surface depressions or potholes typically result from subsurface voiding or insufficient base
compaction.

Recommended Action: Rebuild affected areas using proper base preparation and layer bonding techniques.

Bird Droppings (Uric Acid)

Bird droppings are highly acidic and can chemically degrade acrylic coatings if not removed promptly. Overhanging trees increase accumulation.

Recommended Action: Trim foliage to reduce contamination and maintain regular cleaning to prevent surface erosion



Ant Activity Beneath the Surface

Ant burrowing may create voids near court edges, potentially affecting structural stability.

Recommended Action: Apply consistent ant control treatments. If activity persists or contributes to subsurface voiding, engage a licensed pest control service before repair work proceeds.

Conclusion

The conditions identified are correctable. With appropriate repair and resurfacing, the courts can be restored to a safe, durable, and visually consistent playing surface suitable for school sports programs.

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