



Central Ave Stormwater Overview

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Metro District

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Municipal checkpoints in project development

Fall 2026

Municipal Consent

- Changing capacity of the roadway
- Altering access
- Acquiring property

Memorandum of Understanding

- Any other important details – examples include:
- Maintenance issues
- Expectations for community engagement
- Financial obligations

2026 - 2027 – Project Design – Staff coordination

Late 2027 – Cooperative Construction Agreement

- Formal agreement
- Financial obligations
- Maintenance obligations

2028 – Construction starts

Stormwater Requirements



- New standards for runoff adopted by MPCA in 2021
- Calls for roughly 80% reduction in phosphorus in stormwater
- Standards are mandatory



Phosphorus, much of it from upstream rivers, causes algae blooms in Lake Pepin, as shown in this August 2014 photo by the Minnesota Department of Natural Resources.

How to reduce phosphorus?

- Reduce the amount of paved surface
 - 16% reduction in pavement surface planned
- Infiltrate stormwater in the soil
 - Requires 54,000 cubic feet of water storage – just shy of an Olympic Swimming Pool
- To hit our stormwater target – using 37th Ave-sized infiltration basins – we'd need 3 continuous miles of basin, we don't have space for that



Stormwater infiltration basins on 37th Ave

Preferred stormwater treatment approach



Turfgrass infiltration boulevard – essentially a ditch. Easy to maintain, can mow like a regular boulevard.

Less-preferred stormwater treatment approach



Deeper stormwater treatment basins so you can fit an equivalent volume of water in a narrower space. May require fences/railings. More difficult to maintain.

Stormwater treatment may change with additional investigation. Why?



Existing soils have to be tested to ensure that they are permeable so water can infiltrate

Groundwater table can't be too high



Cannot infiltrate where there is soil or groundwater contamination

Review Stormwater Treatment Areas

See PDF layout

Thank you again!

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