

Stormwater drainage issue on Coventry Dr.

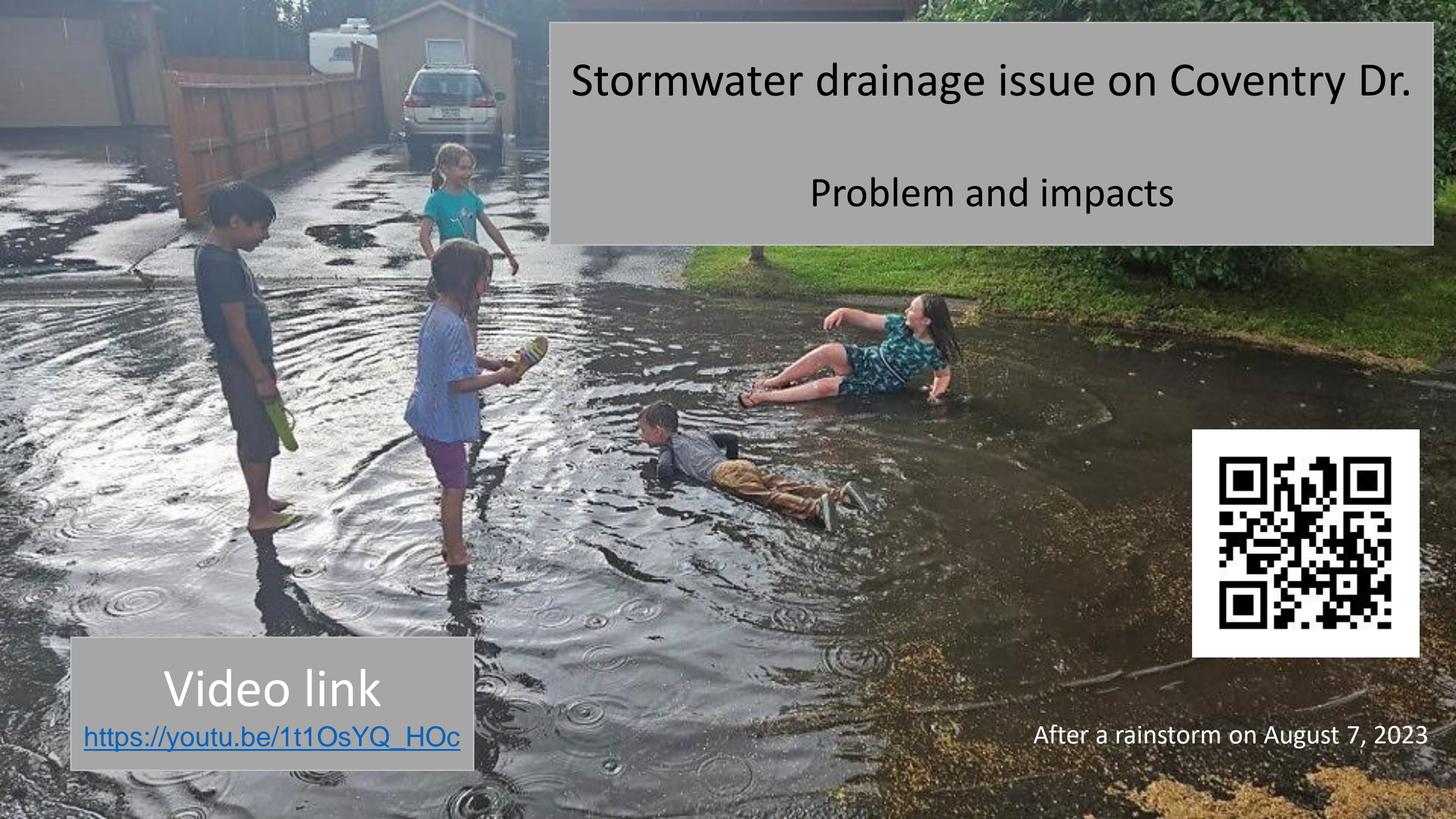
Problem and impacts



Video link

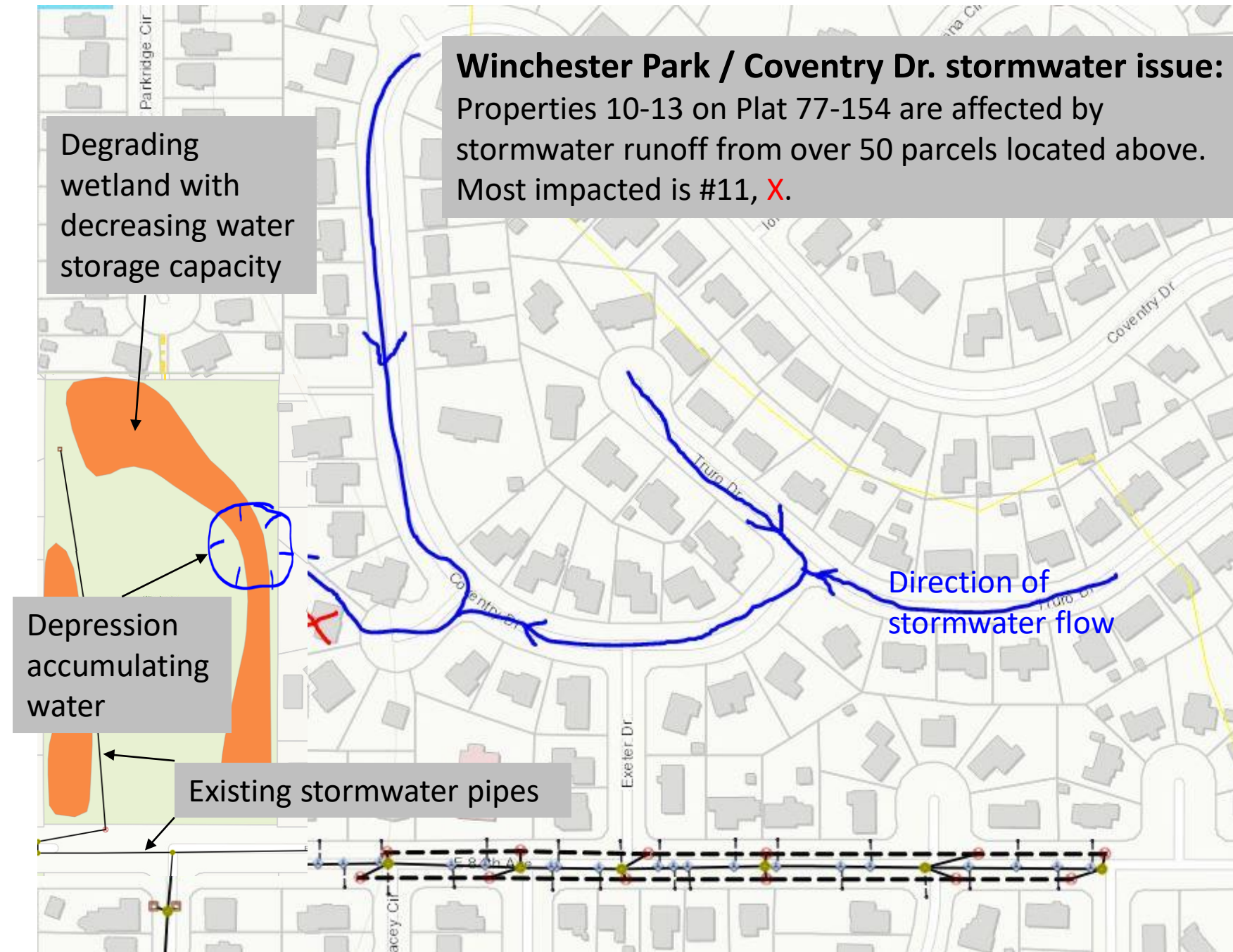
https://youtu.be/1t1OsYQ_HOc

After a rainstorm on August 7, 2023



Problem

1. Stormwater from 50+ properties
2. No stormwater pipe/drain
3. Increasing extreme precipitation (Bieniek et al. 2022)



Impacts

Flooded driveway

Ice sheet in winter



After a rainstorm on
August 7, 2023

Impacts

Year-round clearing
of drain path



We remove snow
after city plowing so
melt water can
drain.

March 18, 2021

Impacts

Clearing of drain
path
in winter

We remove snow and ice to clear drain
under fences to allow water to drain during
more frequent
freeze-thaw cycles



Shoveling drain
April 4, 2021

Impacts

Clearing drain path
can be costly



We clear drain path
and had to remove
mayday tree
infestation costing
\$400 to remove

Clearing drain
October 26, 2021

Impacts

Stronger rains frequently lead to flooded backyard, gardens, etc.



Impacts

We remove street muck, garbage, pollution, and sadly see motor oil and other pollutants accumulate.



Motor oils

Drain filling with street muck, needing cleaning and disposal



Impacts

We prepare for the worst,

flooding of the basement ...
happened before



We have sandbags closeby to prevent stormwater entering garage/basement

We operate 2 sump pumps, have sump pump alarm and 1 backup sump pump.

Questions?

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Video link

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April 4, 2021