

**Evidence of Historic Water Flow Along
Gregory Canyon Gulch in the
Willowbrook / Aurora Area**

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Background

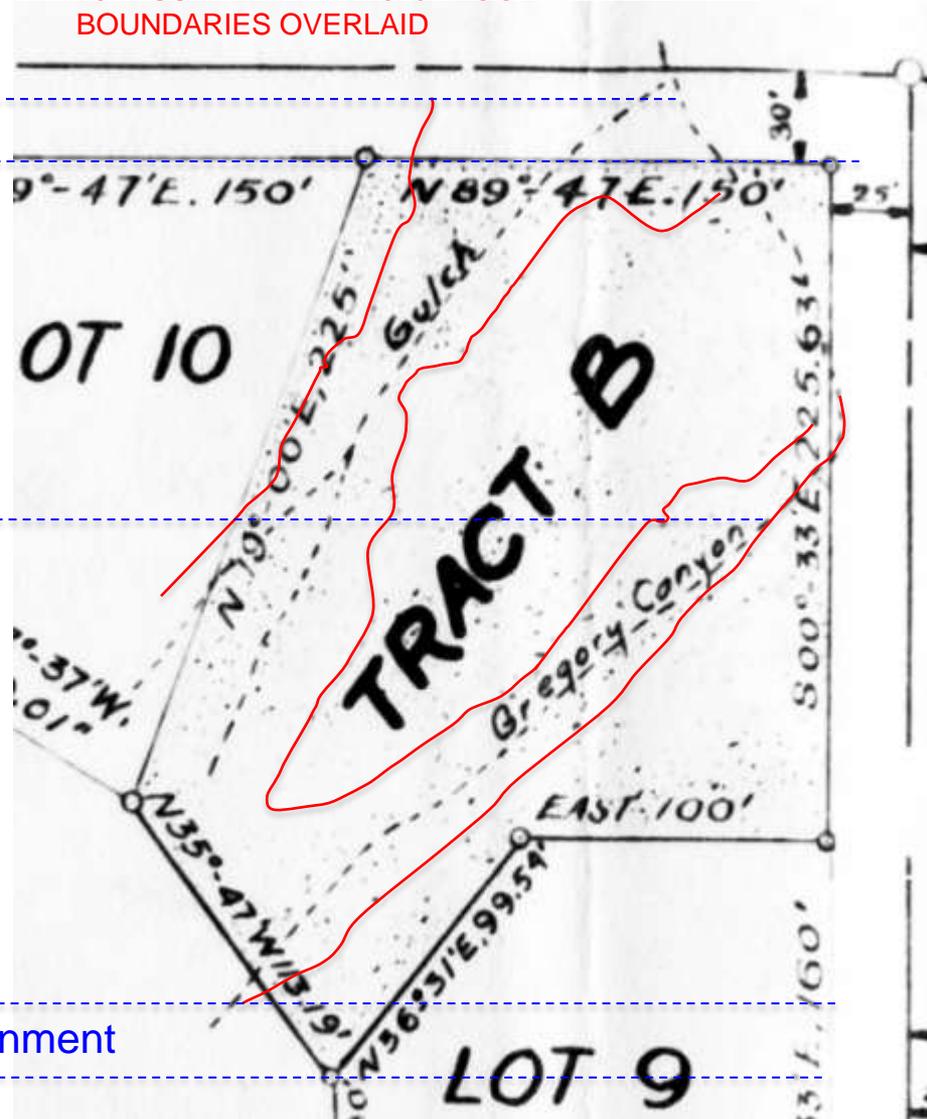
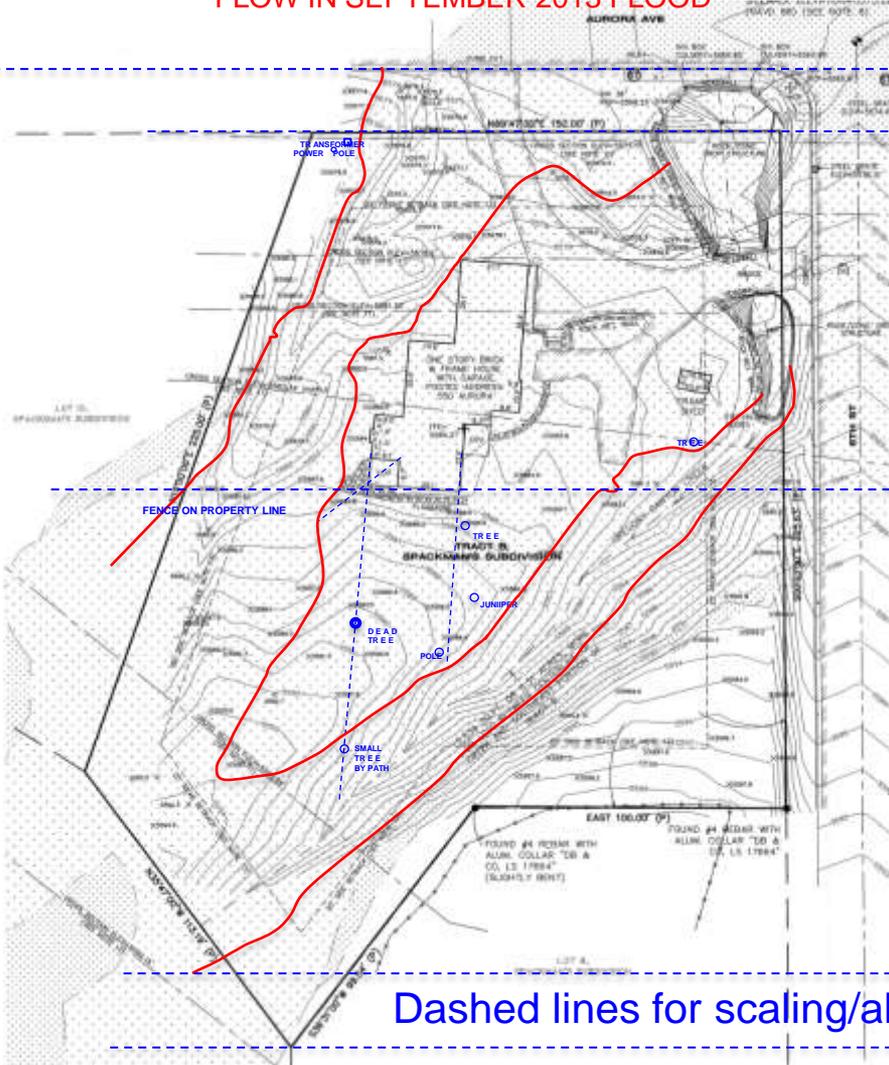
- A basin, strongly indicative of water flow, existed before the 2013 flood, running north/south throughout the property at 550 Aurora Ave. Above and below that basin, there was no obvious evidence of a basin just before the 2013 flood. The basin has historical reference as “Gregory Canyon Gulch,” (GCG herein).
- Former, longtime 550 Aurora resident Alan Weber stated that water flowed along GCG in the 1969 flood.
- In the 2013 Flood, the water flow along GCG appeared comparable to that of Gregory Creek. The blockage of the Willowbrook Culvert probably contributed to that flow.
- The upper end of GCG is well-aligned with the lowest point of Willowbrook Rd, whereas the Willowbrook culvert is above that point. Water naturally flows in the lowest region possible.
- In 2013, major damage was sustained above GCG at 860 and 870 Willowbrook, and below GCG at 595 Aurora. The floodwater cut gorges through those properties, connecting the water flow into and out of GCG through 550 Aurora.
- 2013 floodwater barely reached the doors of 550 Aurora; sealing of lower portions of doors prevented water from entering the house.
- A non-exhaustive search of old photos/maps was conducted to address the question “What was the historic water flow path associated with Gregory Creek? Such knowledge may be helpful in planning and damage mitigation for future flood events.

Gregory Canyon Gulch

1941 Survey of Spackman's Subdivision (550 Aurora records)
2013 flow matches 1941 record of Gulch

BOUNDARIES OF EVIDENT WATER
FLOW IN SEPTEMBER 2013 FLOOD

1941 SURVEY WITH 2013 FLOOD
BOUNDARIES OVERLAID



Dashed lines for scaling/alignment

Summary

- Corroborative evidence from historic photographs, maps, and personal account, indicate that “Gregory Canyon Gulch” is a historic water-flow path, at least during flood events (e.g. 1969 and 2013).
- Water flow through the GCG basin, at least during floods, is consistent with the topography of the area, e.g. GCG lines up with the lowest point of Willowbrook Rd.
- Based on historic evidence and topography, a 100-year flood event should be expected to produce significant water flow through GCG. Accordingly, mitigation of property damage from a 100-year flood event would advisably accommodate significant water flow through “Gregory Canyon Gulch.”