



P4 INFRASTRUCTURE

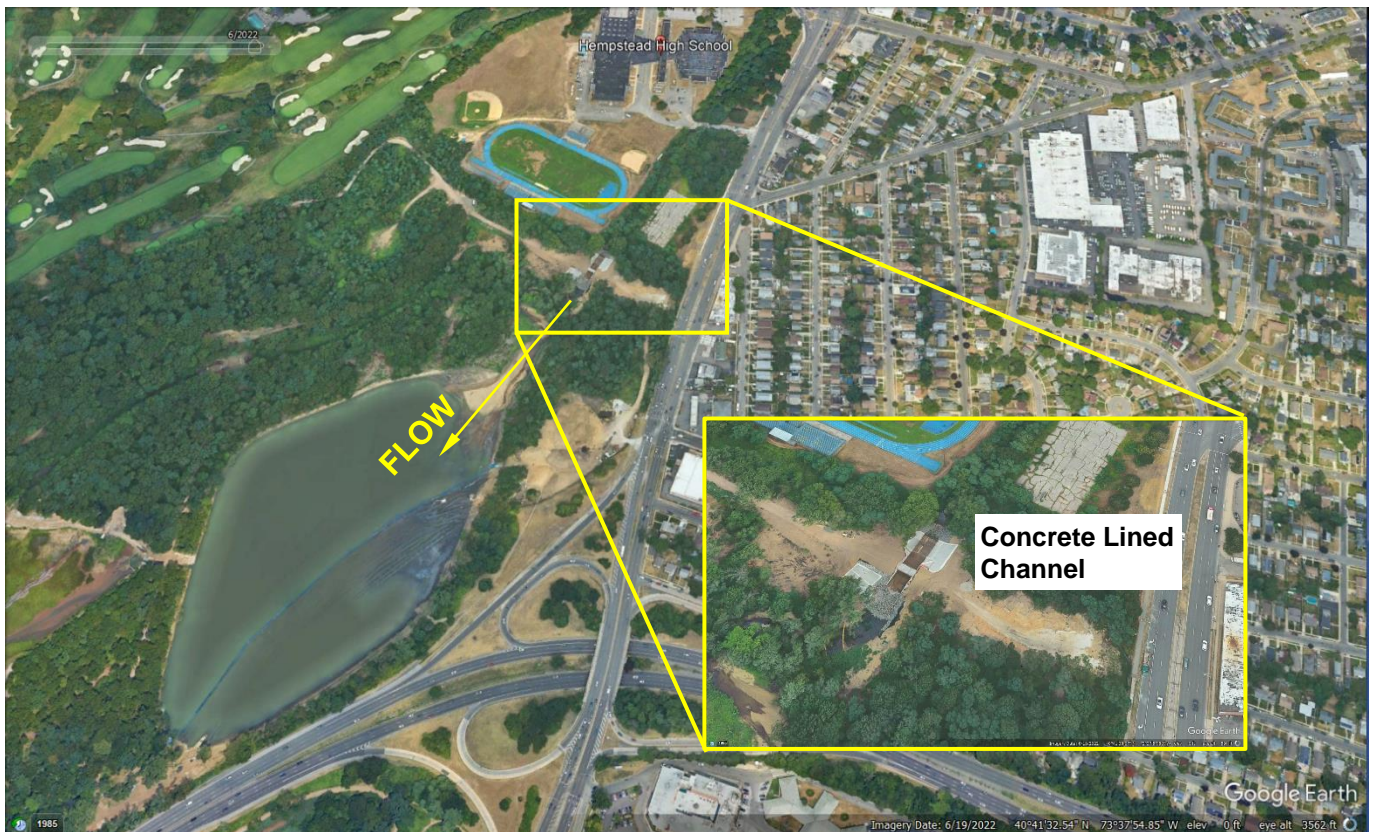


Surface Trash Collection
Hempstead, New York

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Introduction

Background
Customer Needs
P4 Solution



Background:

- Large surface retention basin served through concrete-lined channel from upstream watershed.
- Flow velocities difficult to predict.
- Trash collection maintenance frequency is difficult to predict.

Customer Need – Maintenance Requirements:

- Photographic record of trash accumulation correlated with rainfall event.
- Documentation of open channel flow characteristics during large trash accumulation events.
- Trash bag maintenance triggers.

P4 Solution

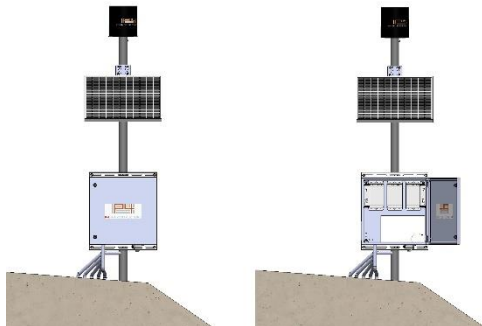
CamVIEW



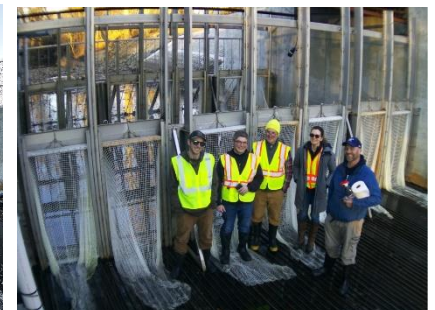
VELO



LIQUA-Level



Flow Direction



Measured Data

Operations & Maintenance

System Performance

Trash Collection Forecasting

Upstream Bag Row Images

3/3/2023



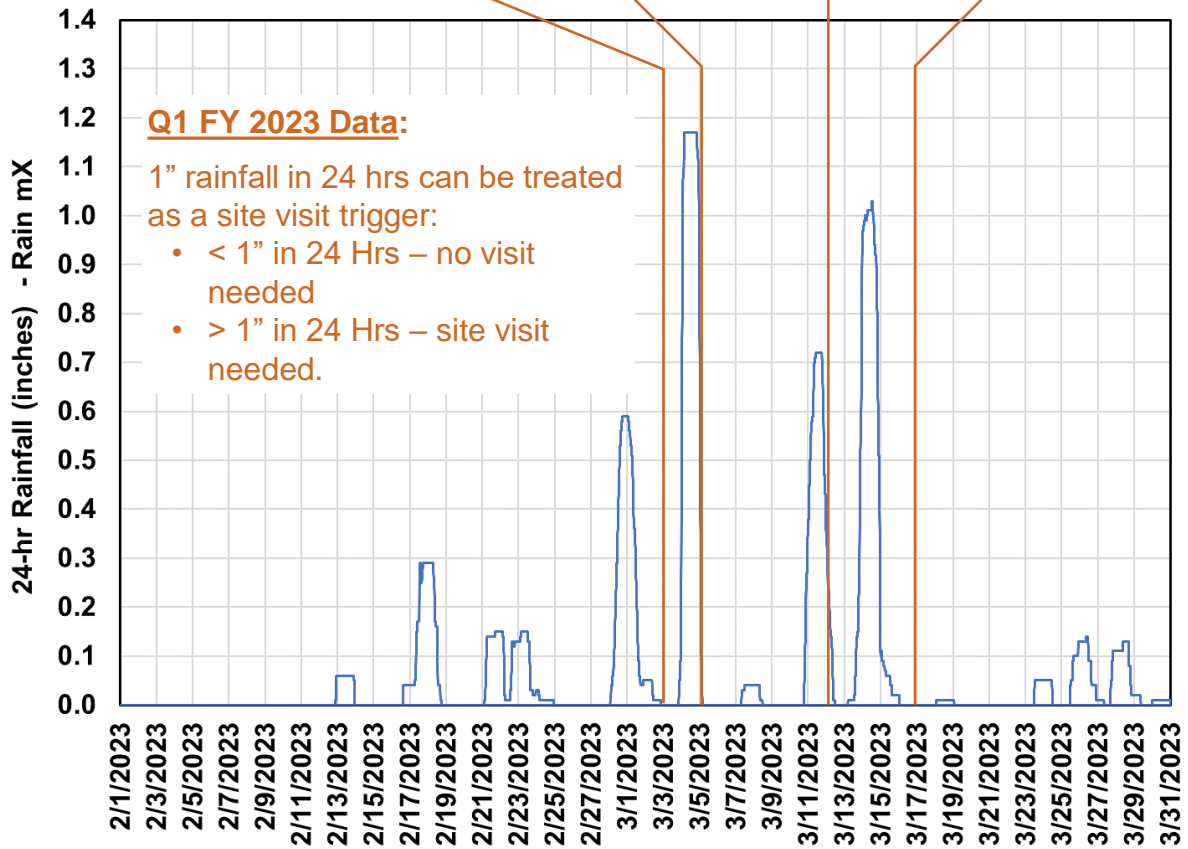
3/5/2023



3/12/2023



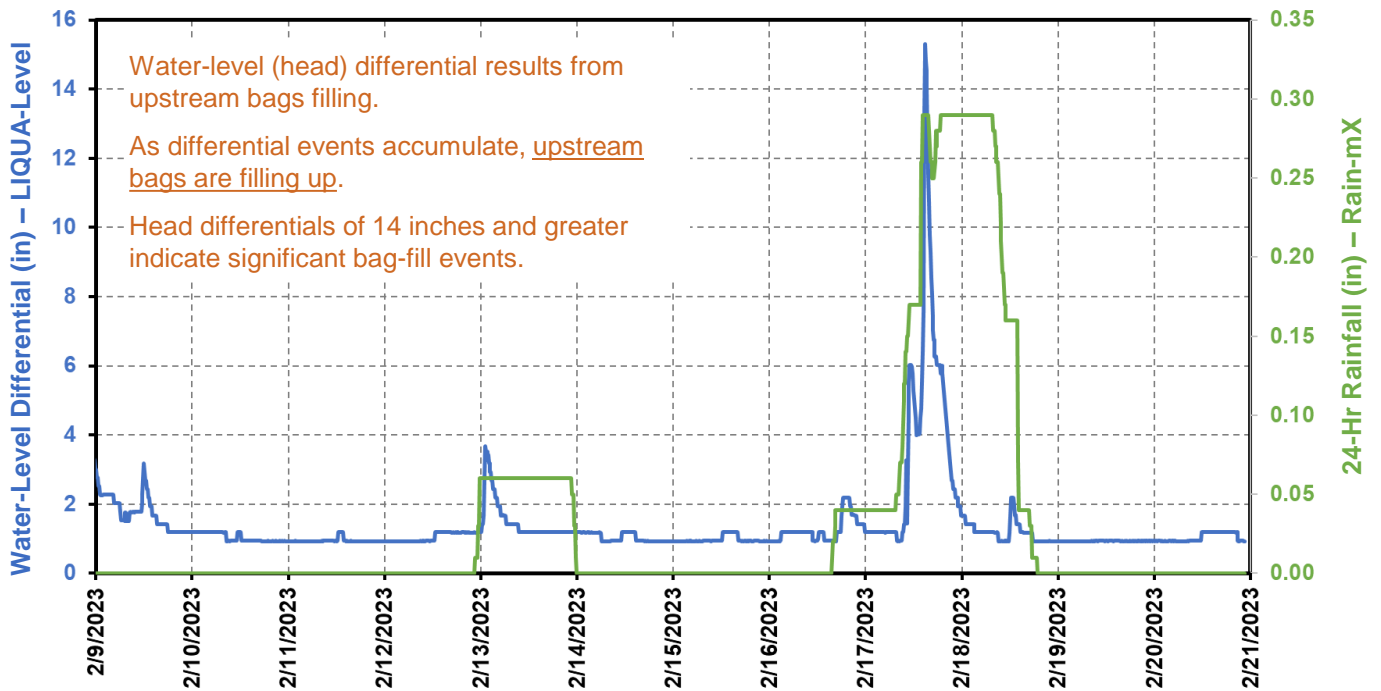
3/17/2023



Upstream Bag Row
2/18/2023 – 8:15 AM



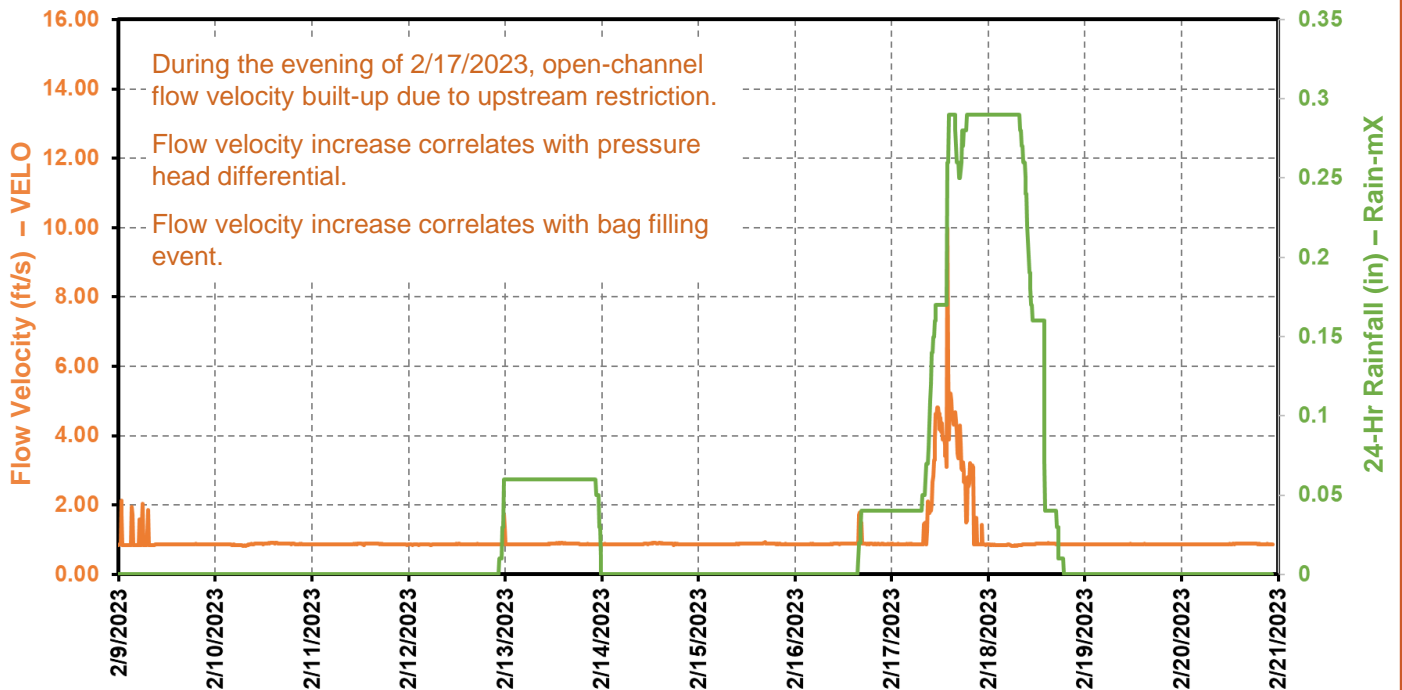
Downstream Bag Row
2/18/2023 – 8:15 AM

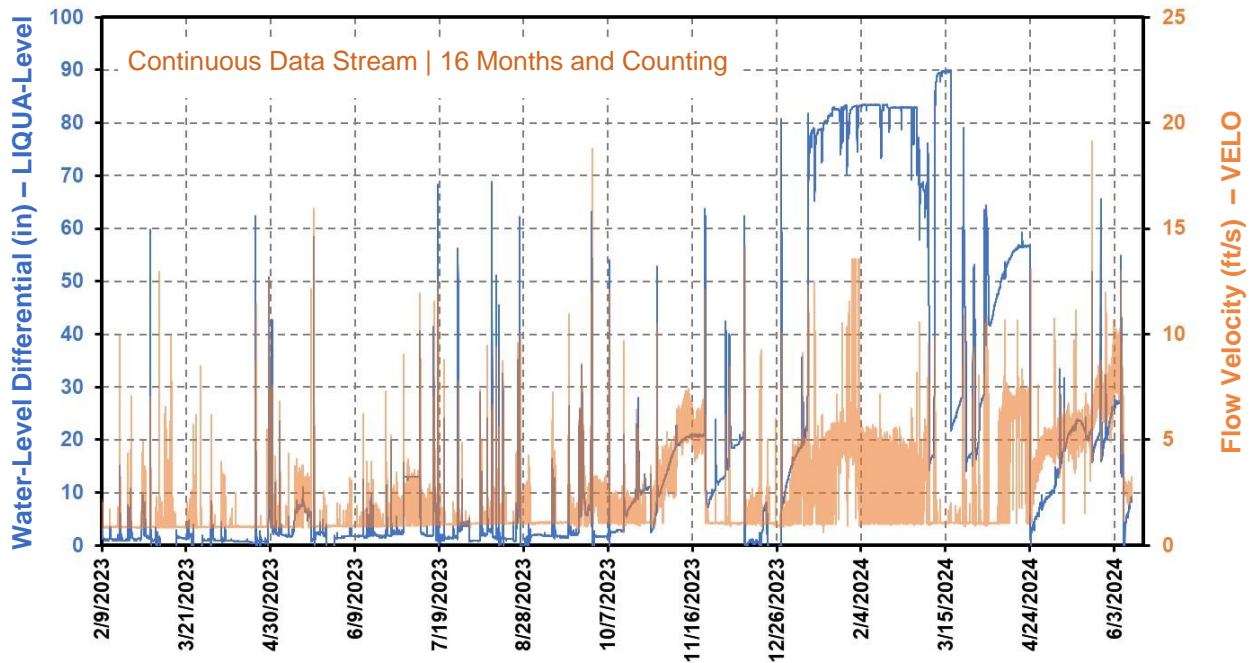
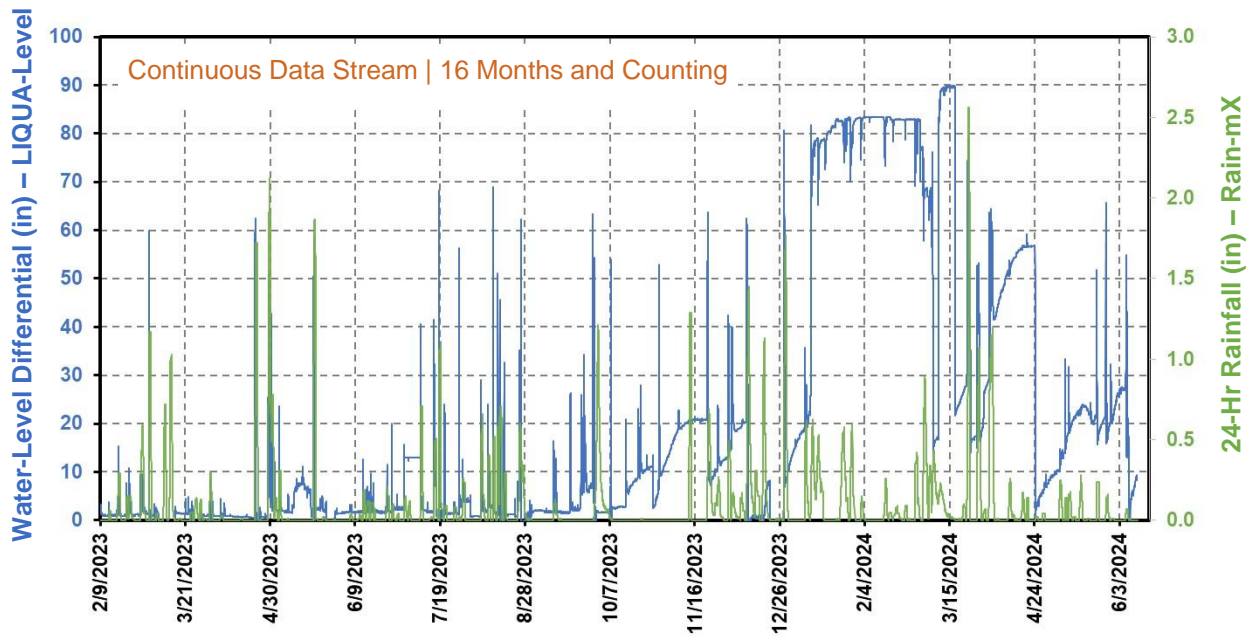


Upstream Bag Row
2/18/2023 – 8:15 AM



Downstream Bag Row
2/18/2023 – 8:15 AM





The End

Let P4 show you how digitalization of
stormwater infrastructure can change
the game.



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