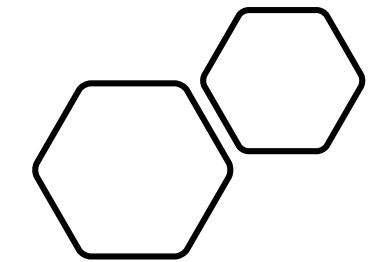
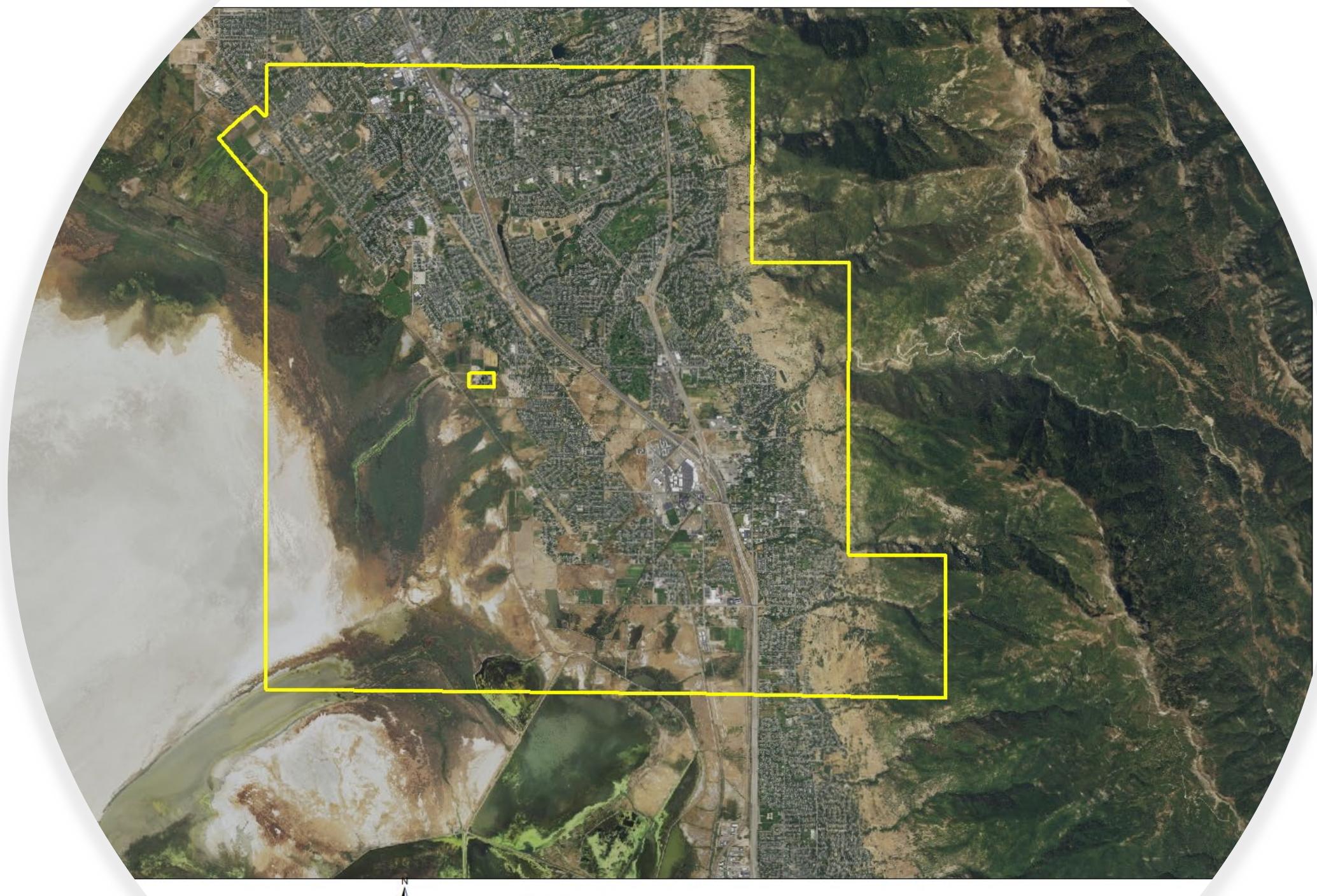


Central Davis Sewer District

Jill S. Jones
Manjot K. Masson



- District overview
- Background
- High density concerns



Central Davis Sewer District

Central Davis Sewer District



Serves
Farmington
Fruit Heights
Kaysville

Approximately
64,000
residents

Design
Capacity
9.9 MGD

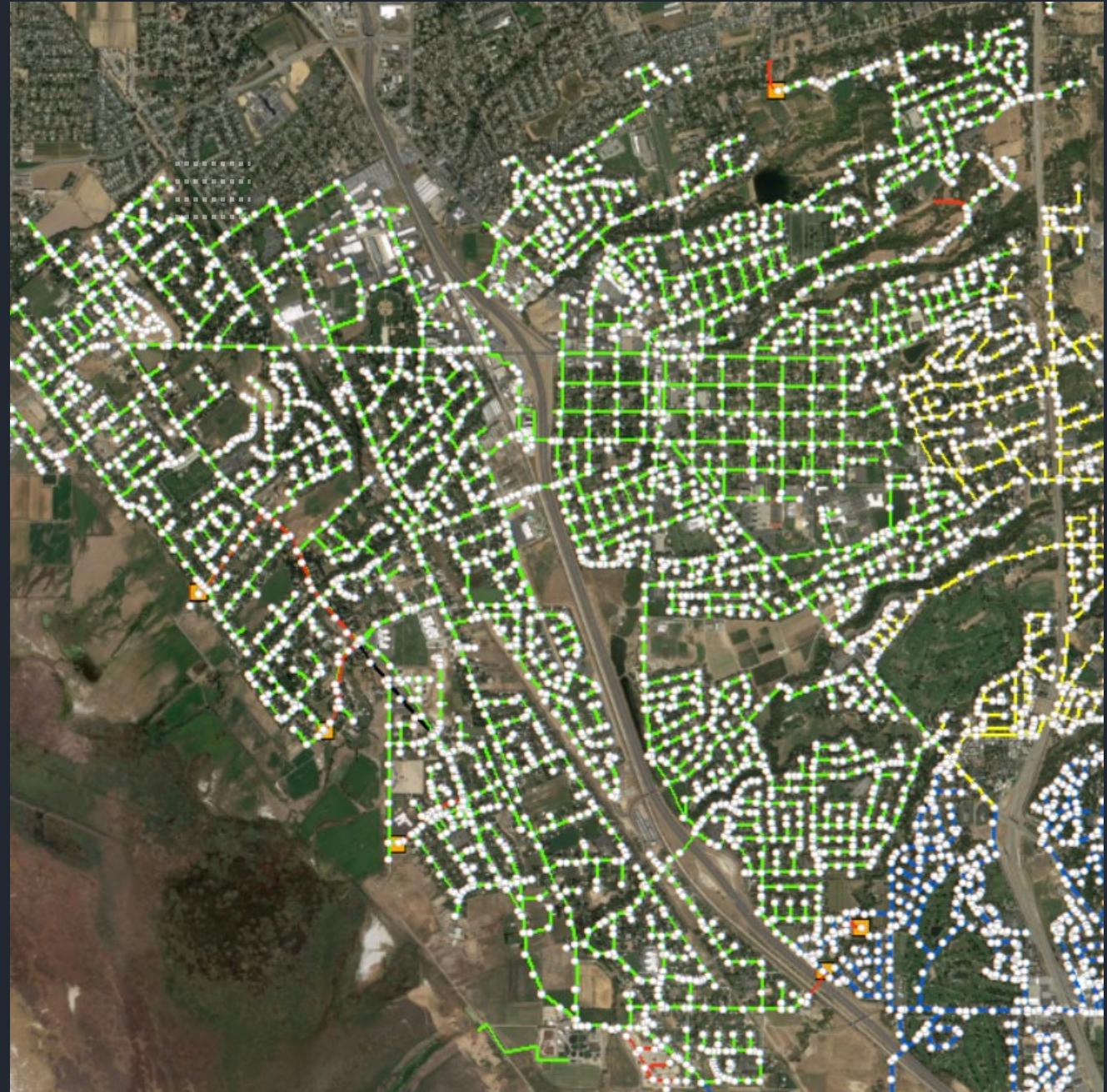
Average flow:
6.5 MGD(million
gallons per day)

Over 6,000
manholes

265 miles of
sewer lines

Kaysville

Population ~ 32,400
134 miles of sewer lines
3090 manholes

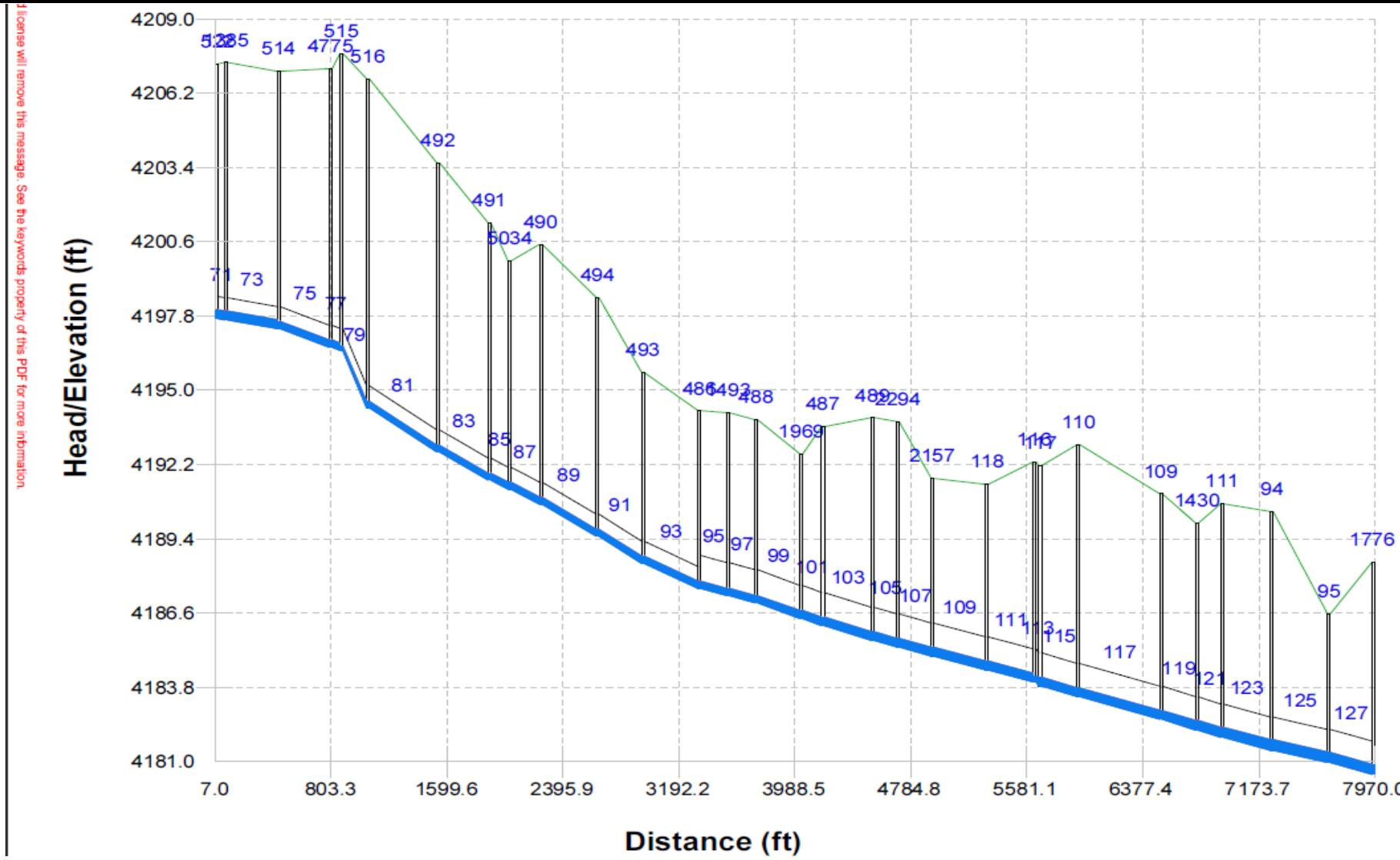


- Kaysville turned over Collection System in 1988
- Collection System Master Plan in 1997
- Flow modeling in 1997
 - 3 Homes / acre east of I-15
 - 2 Homes / acre west of I-15
- Flow modeling in 2003
- Upgraded all major trunk lines by 2008
- Periodic modeling ongoing

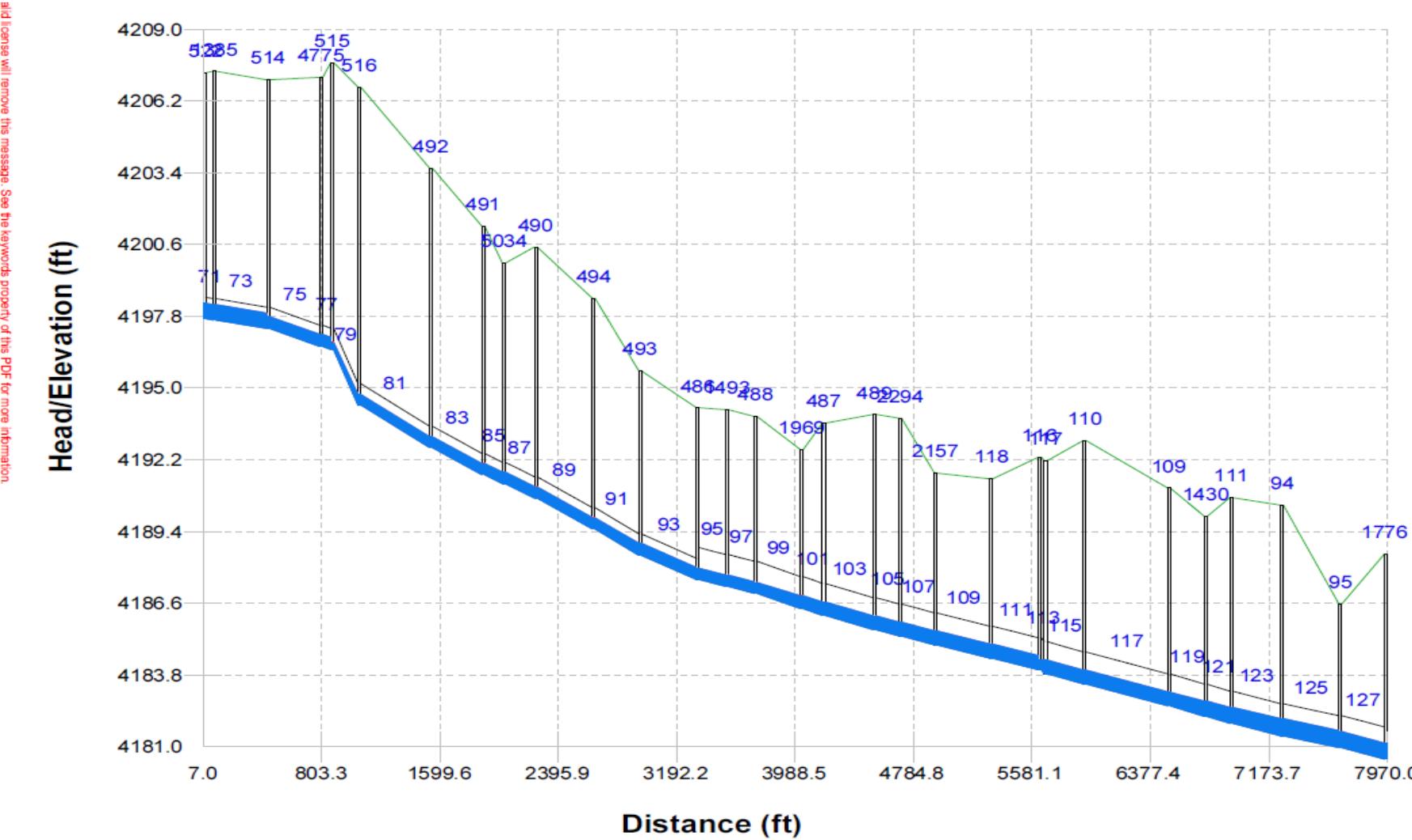


Flow Modeling

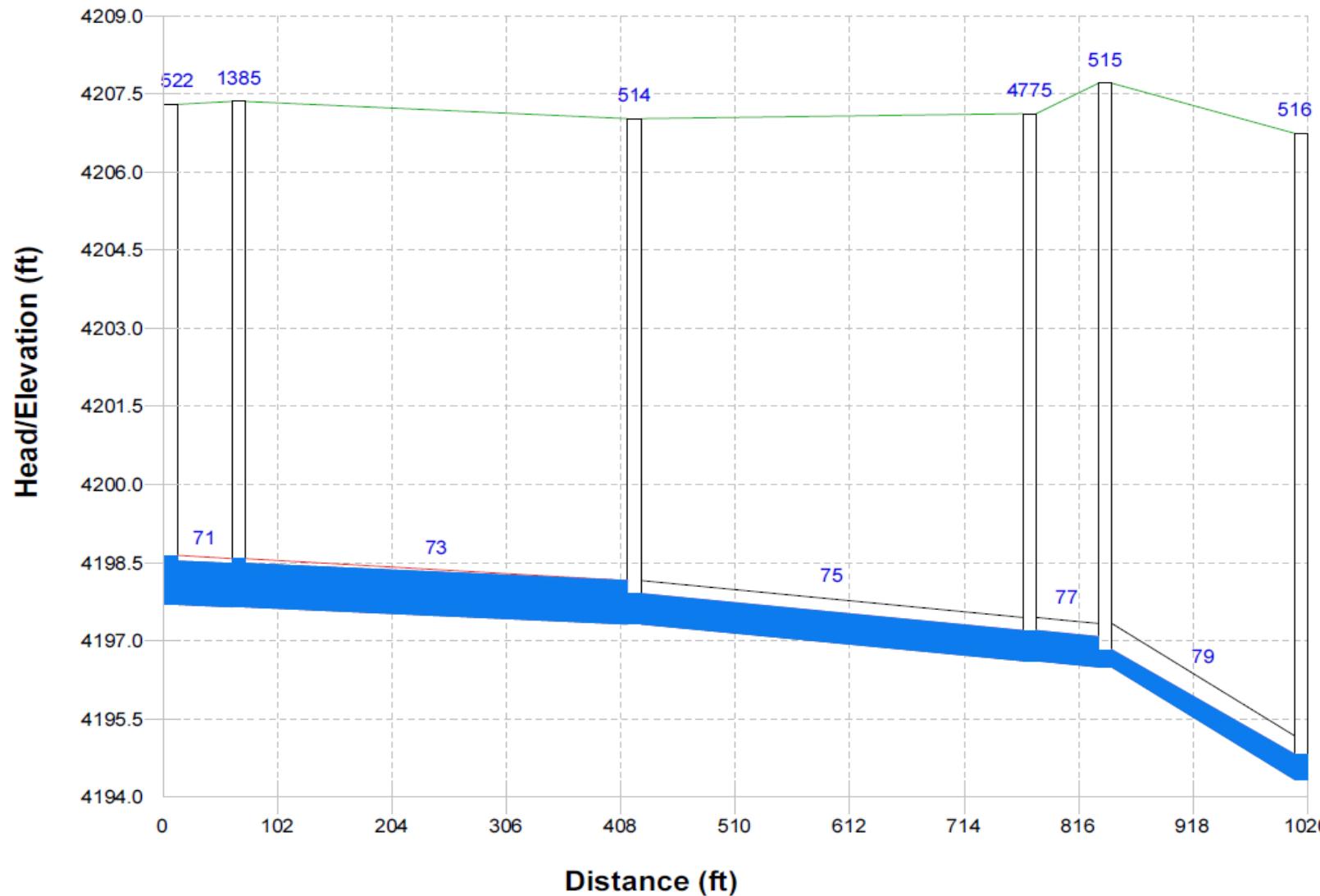
Angel Street Flow Modeling Dry Conditions



Angel Street Flow Modeling Wet Conditions



Angel Street Trunk line 4 units per acre

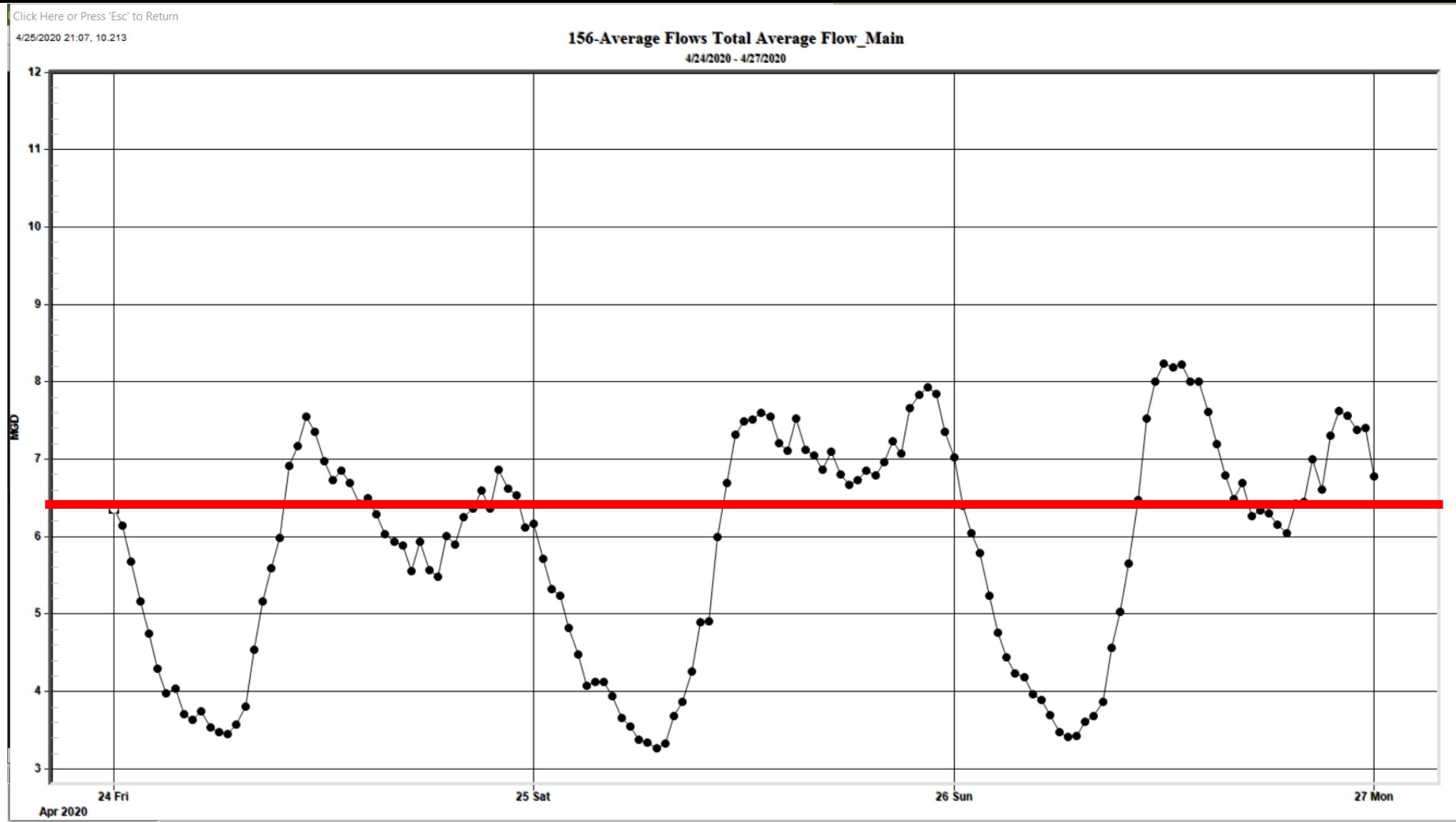




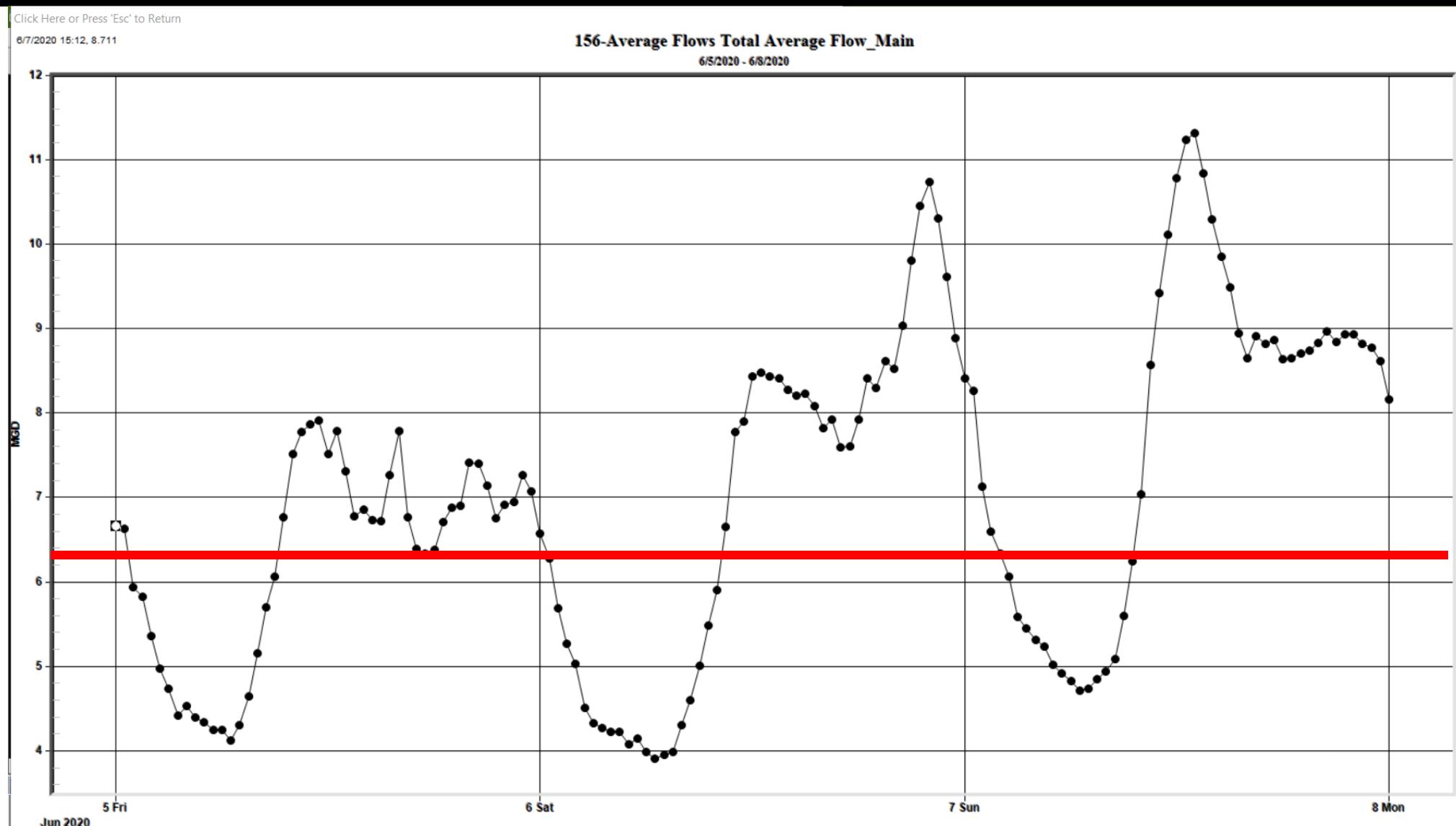
Flow Changes



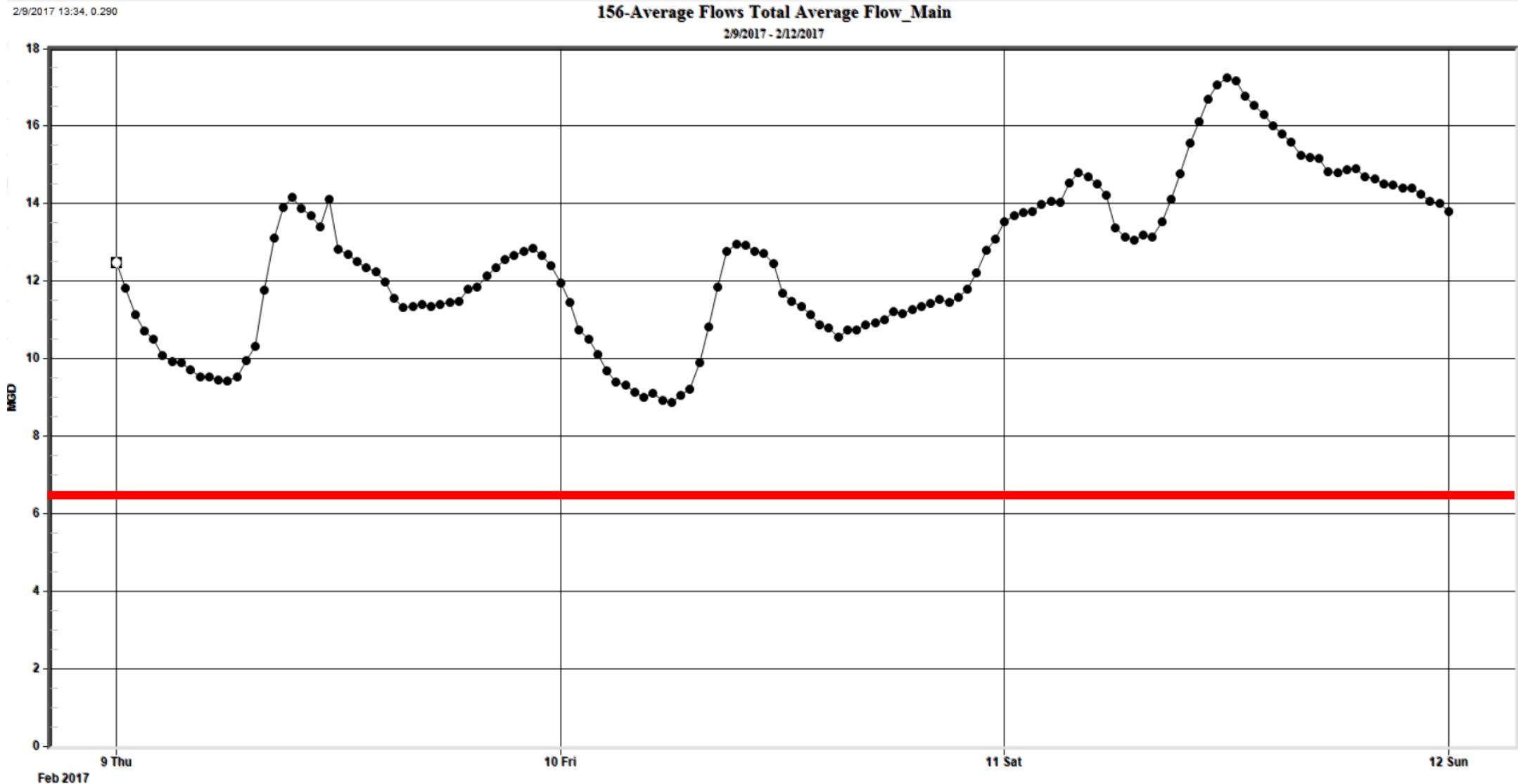
Plant Flows: April 24 - April 27, 2020



Plant Flows: June 5 - June 8, 2020

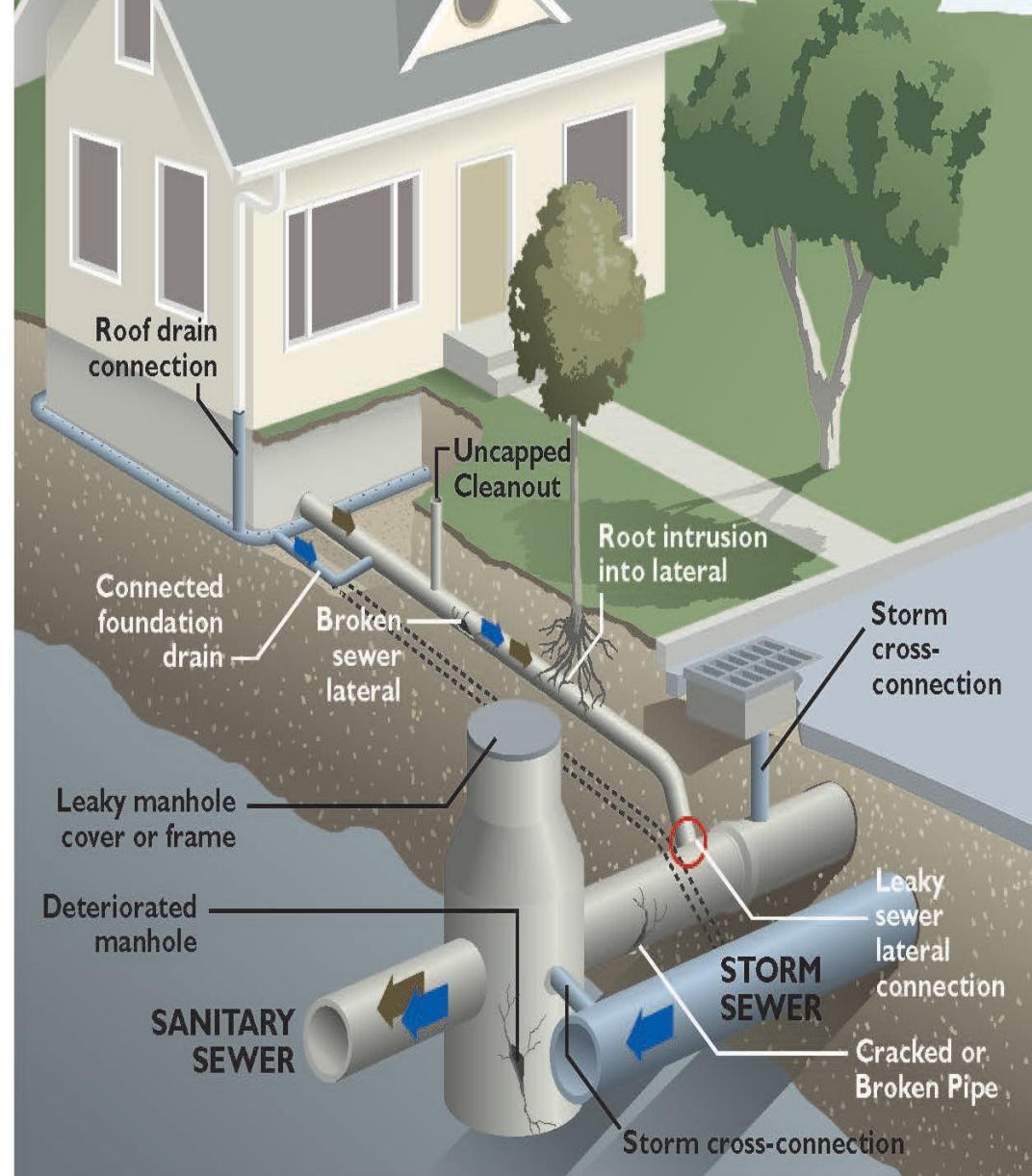
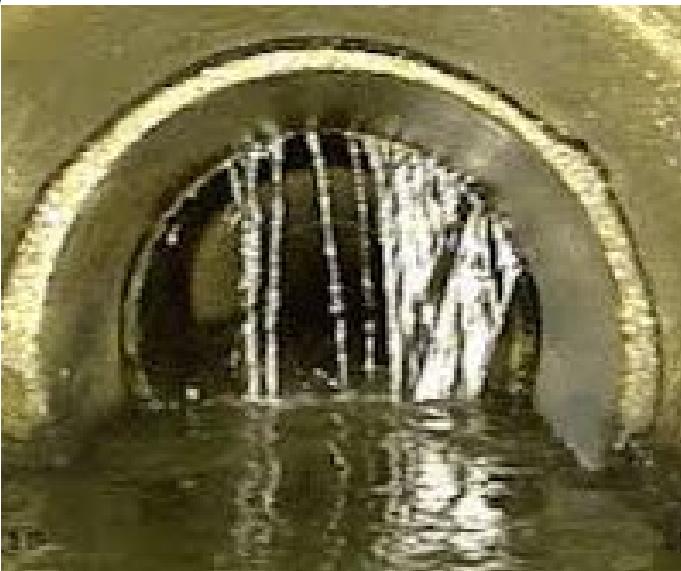


Plant Flows: Feb. 9-12, 2017



Infiltration and
Illegal Inflow
Decreases capacity
in sewer lines

Increases cost to
treatment system





High density housing adds to the flow



**Results of
surcharging of
sewer lines**



Keep the Wipes Out of the Pipes
#peepoopaperthat'sit!