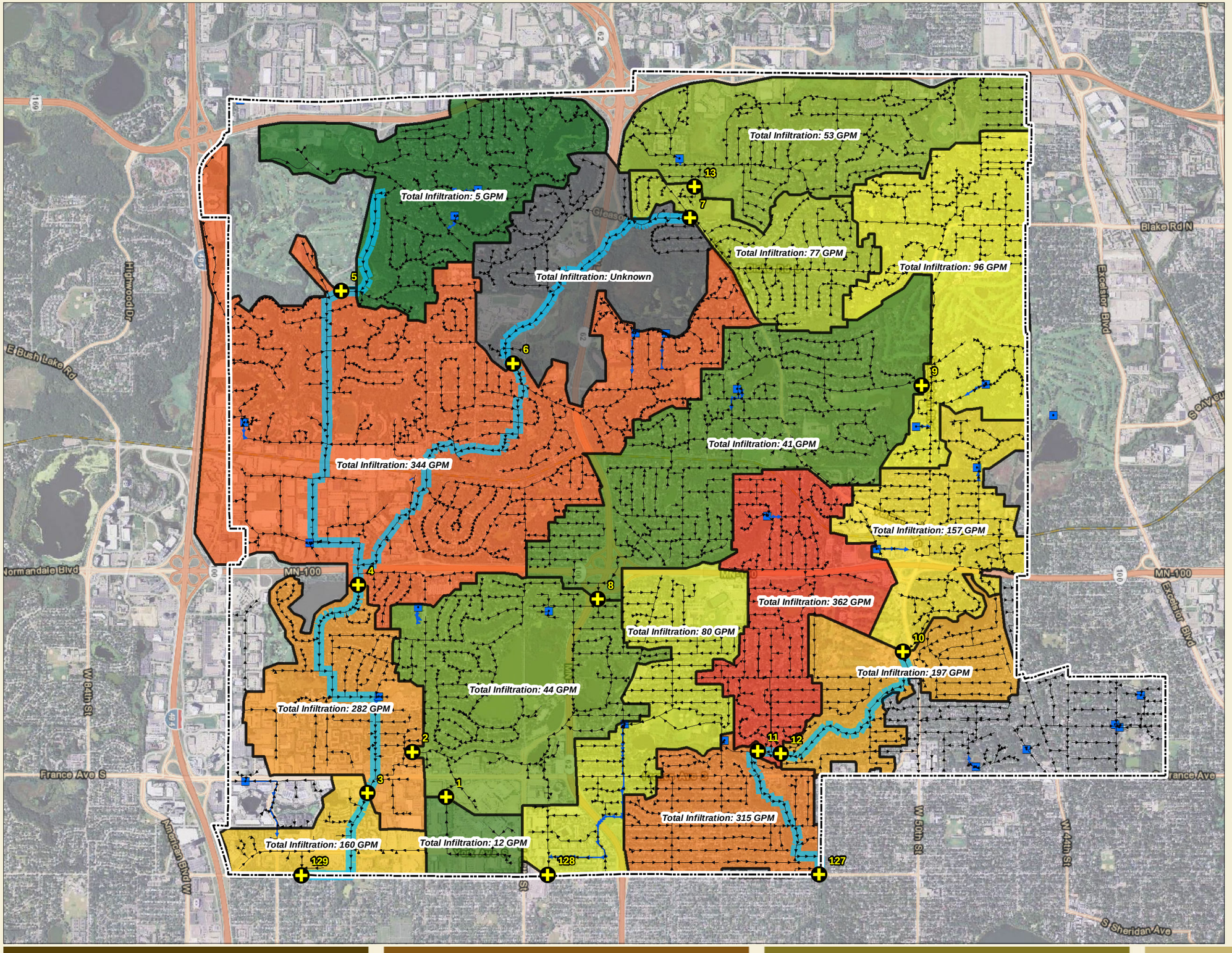
TRUNK SEWER INFILTRATION ABATEMENT



Legend

- City Limits
- Trunk Sewer Study Area
- Service Area
- Flow Meter
- Gravity Main
- Pressure Main
- Lift Station

Infiltration (GPM)

- 5
- 12
- 41
- 44
- 53
- 77
- 80
- 96
- 157
- 160
- 197
- 282
- 315
- 344
- 362
- Unknown

Source: Infiltration Values - Barr Engineering (2008)

0 2,500 Feet

OVERALL INFILTRATION SUMMARY

Figure 6

NOVEMBER, 2013

Map Document: H:\ED\NAT\1\6106814\ArcView\106814_6_INFILTRATION_OVERALL.mxd
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TRUNK SEWER INFILTRATION ABATEMENT

Total Infl. Per Acre: 0.083 GPM/AC
Total Infl. Per Acre: 0.152 GPM/AC
Total Infl. Per Acre: 0.247 GPM/AC
Total Infl. Per Acre: Unavailable
Total Infl. Per Acre: 0.181 GPM/AC
Total Infl. Per Acre: 0.045 GPM/AC
Total Infl. Per Acre: 0.37 GPM/AC
Total Infl. Per Acre: 0.75 GPM/AC
Total Infl. Per Acre: 0.563 GPM/AC
Total Infl. Per Acre: 0.061 GPM/AC
Total Infl. Per Acre: 0.619 GPM/AC
Total Infl. Per Acre: 0.805 GPM/AC
Total Infl. Per Acre: 0.115 GPM/AC

Legend

- City Limits
- Study Area
- Sanitary Service Area
- Flow Meter
- Pressure Main
- Gravity Main
- Lift Station

Infiltration/Acre (GPM)

- 0.008
- 0.045
- 0.061
- 0.083
- 0.115
- 0.152
- 0.159
- 0.181
- 0.247
- 0.37
- 0.563
- 0.619
- 0.75
- 0.805
- 0.897
- Unavailable

Source: Infiltration Values - Barr Engineering (2008)

0 2,500 Feet

OVERALL INFILTRATION PER ACRE SERVICE AREA

Figure 7

SEPTEMBER, 2013

Map Document: H:\ED\NAT\1610814\ArcView\106814_7_INFILTRATION_PER_AC.mxd
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TRUNK SEWER INFILTRATION ABATEMENT

Legend

- Service Area
- Flow Meter
- Pressure Main
- Gravity Main
- Lift Station

GW Depth Above Invert

- < -2
- -2 - 3
- 3 - 5
- 5 - 7
- 7 - 10
- > 10

Source: City of Edina - Ground Water Elevation Model

0 1,500 Feet

GROUNDWATER DEPTH ABOVE INVERT

Figure 8

NOVEMBER, 2013

Map Document: H:\ED\NA\T1\6106814\ArcView\106814_8_GW_DEPTH.mxd
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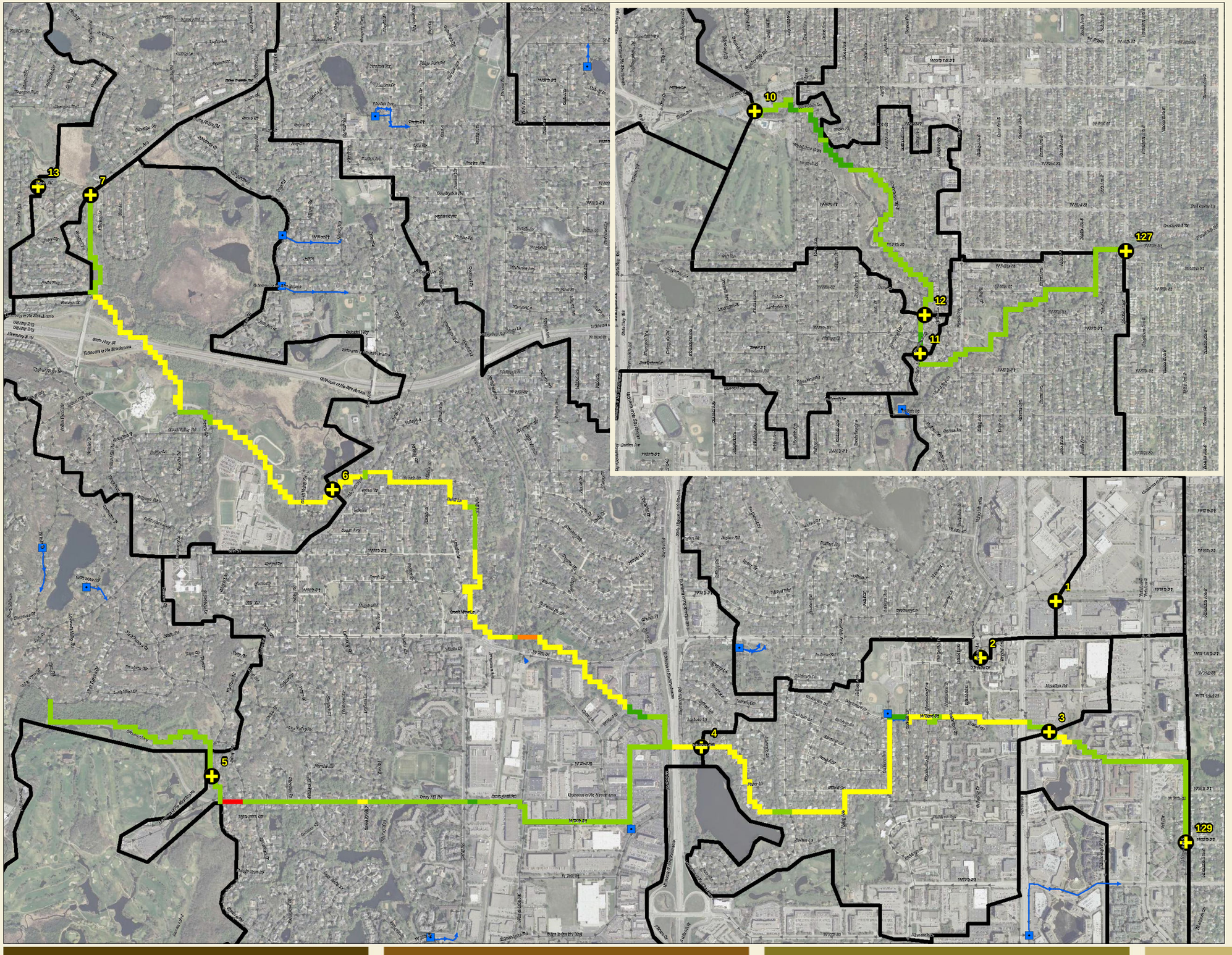
TRUNK SEWER INFILTRATION ABATEMENT



Legend

- SERVICE_AREA
- Gravity Main
- Flow Meter
- Pressure Main
- Lift Station

Pipe Capacity

- Free Flowing Pipe
- 0-50% Capacity
- 51-70% Capacity
- 81-100% Capacity
- Pipe Over Capacity

Source: City of Edina: Sanitary Sewer Model

0 1,500 Feet

DRY WEATHER PIPE CAPACITY

Figure 9

NOVEMBER, 2013

Map Document: H:\ED\NAT\16\106814\ArcView\106814_9_PIPE_CAPACITY.mxd
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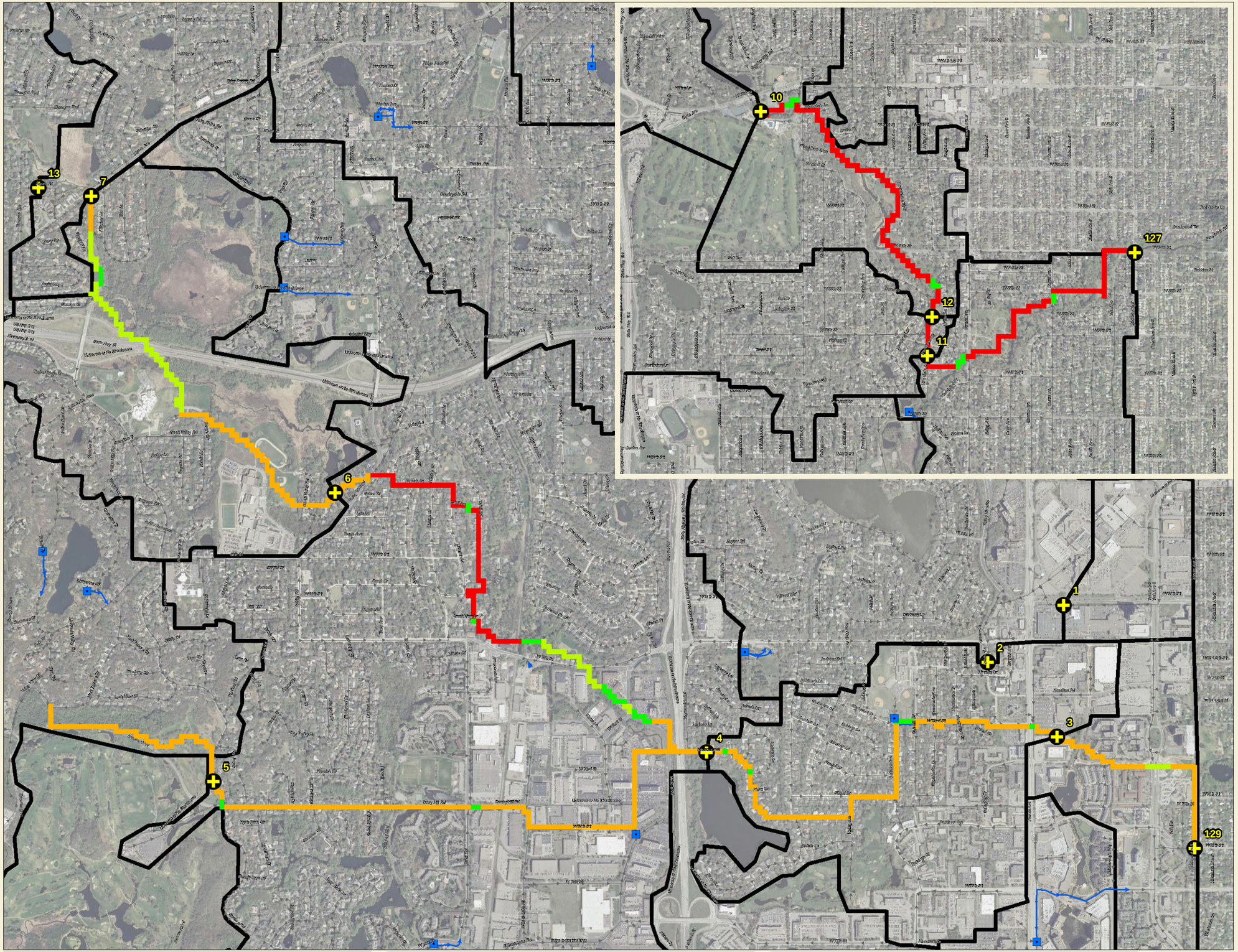
TRUNK SEWER INFILTRATION ABATEMENT



Legend

- Service Area
- Flow Meter
- Pressure Main
- Lift Station
- Gravity Main

Trunk Sewer Pipe Material

- CIPP
- CIP
- RCP
- VCP

Source: City of Edina GIS

0 1,500 Feet

PIPE MATERIAL

Figure 10

NOVEMBER, 2013

Map Document: H:\ED\NAIT\61\06814\ArcView\106814_10_PIPE_MATERIAL.mxd
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