

Figure S1 - Existing Sanitary System (Manhole Names)



Scale 1:7,500



Figure S2 - Existing Sanitary System (Manhole Names and Lagoon)



• Existing Manholes Existing Sanitary Pipes

Scale 1:3,000



Figure S3 - Pipe Slopes of Sanitary Lines



- Existing Manholes
- ----- Greater Than Minimum Slope
- ----- Does Not Meet Minimum Slope
- Negative Slope

Scale 1:7,500

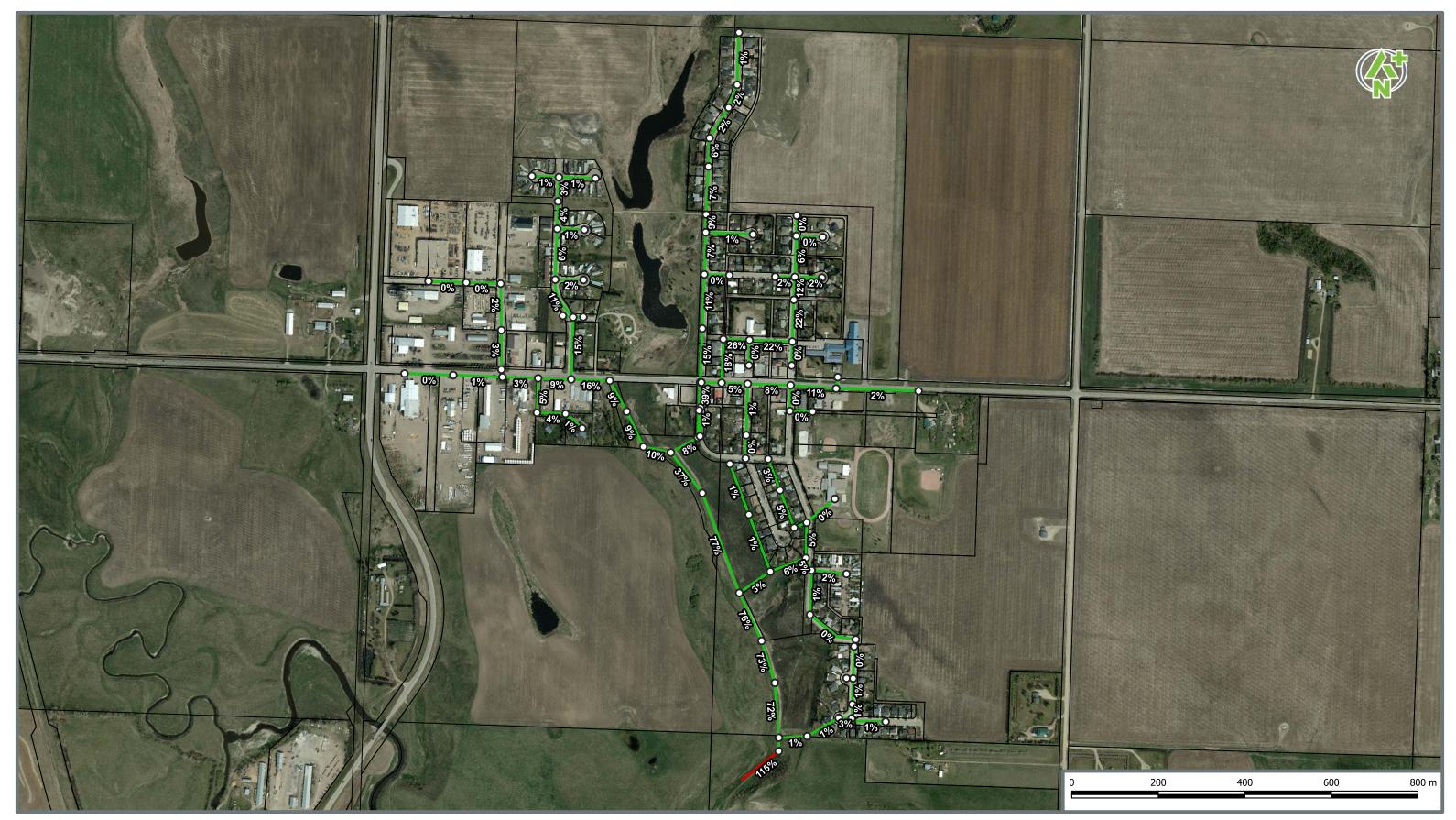


Figure S4 - Existing System Model Results (Percentage of Pipe Capacity vs Flow)



- Existing Manholes
- Pipe Capacity of 0% to 86%
- Pipe Capacity >86% and <100%</p>
- Pipe Capacity >100%

Scale 1:8,000



Figure S5 - Existing System Model Results (Percentage of Hydraulic Grade Line vs Pipe Depth)



- Existing Manholes
- HGL of 0%-90% of Pipe



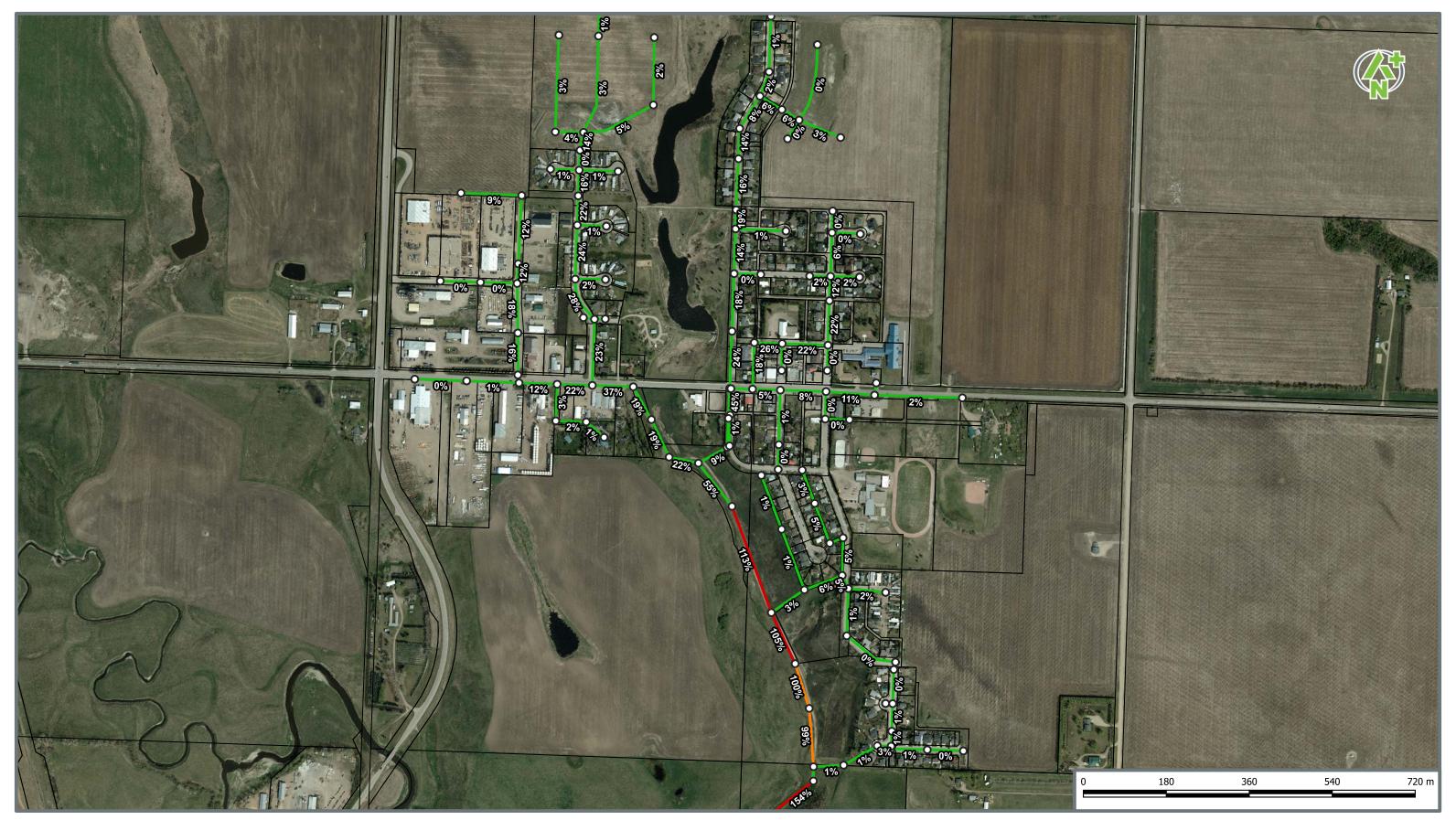


Figure S6 - 20 Year System Model Results - Original Pipes (Percentage of Pipe Capacity vs Flow)



- Existing Manholes
- Pipe Capacity of 0% to 86%
- Pipe Capacity >86% and <100%
- Pipe Capacity >100%

Scale 1:4,000



Figure S7 - 20 Year System Model Results - Original Pipes (Percentage of Hydraulic Grade Line vs Pipe Depth)



- Existing Manholes
- HGL of 0%-90% of Pipe
- HGL of 90%-100% of Pipe
- HGL of >100% of Pipe

Scale 1:7,500



Figure S8 - 20 Year System Propsosed Upgrades



- Existing Manholes
- ----- Proposed Upgrades
- ----- Sanitary Lines

Scale 1:7,500

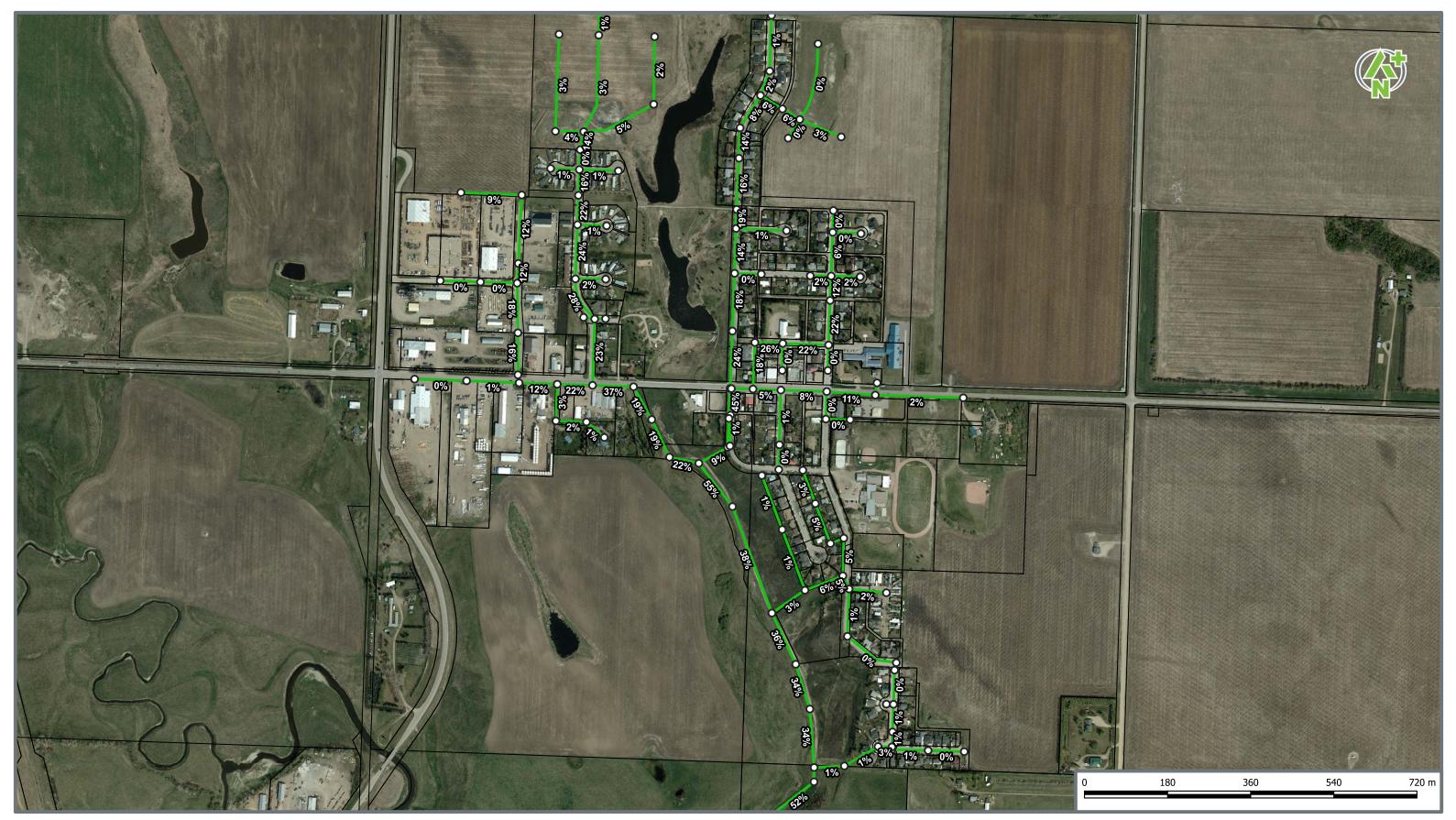


Figure S9 - 20 Year System Model Results - Upgraded Pipes (Percentage of Pipe Capacity vs Flow)



- Existing Manholes
- Pipe Capacity of 0% to 86%
- Pipe Capacity >86% and <100%
- Pipe Capacity >100%

Scale 1:7,500

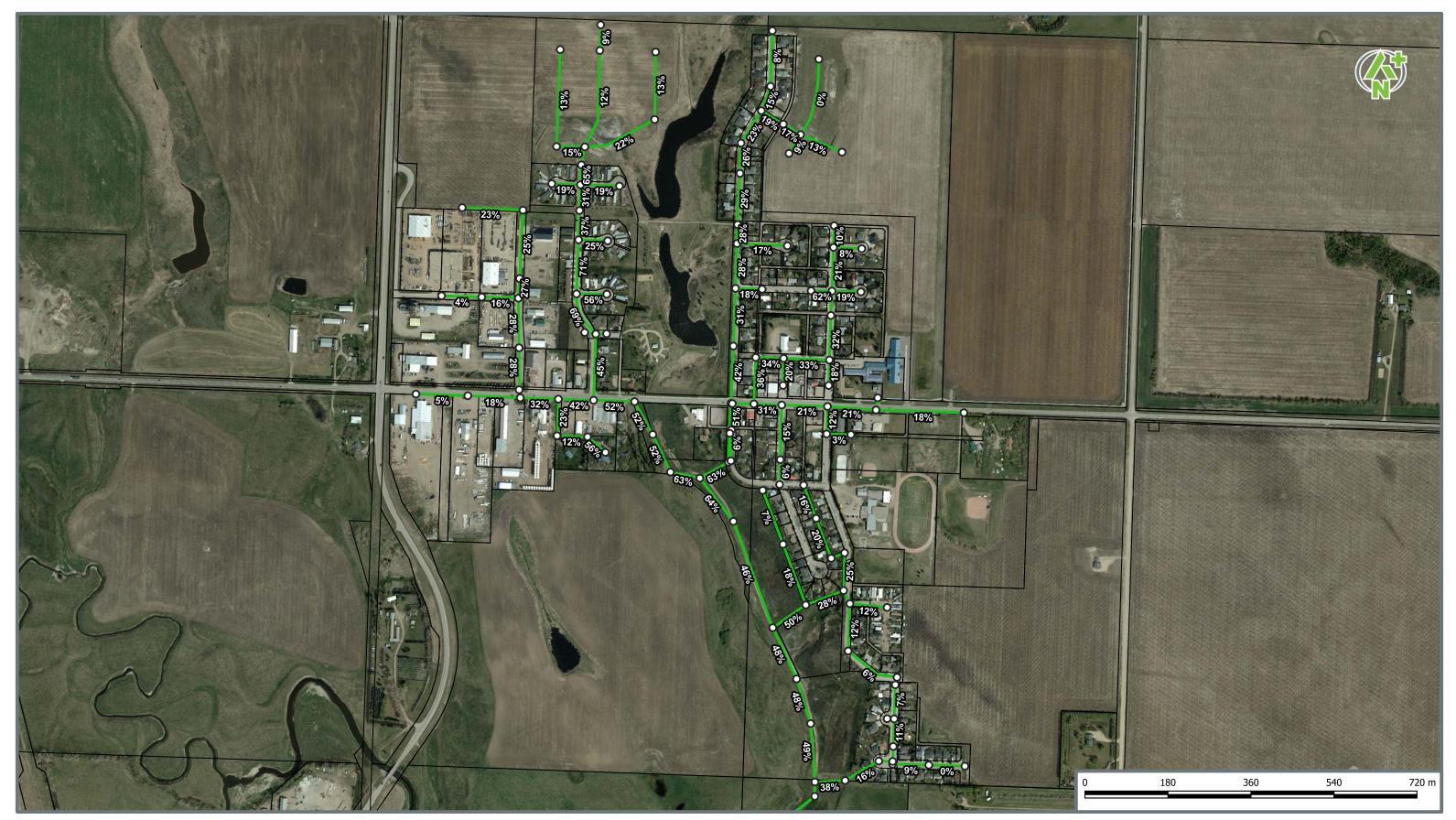


Figure S10 - 20 Year System Model Results - Upgraded Pipes (Percentage of Hydraulic Grade Line vs Pipe Depth)



- Existing Manholes
- HGL of 0%-90% of Pipe
- HGL of 90%-100% of Pipe
- HGL of >100% of Pipe

Scale 1:7,500

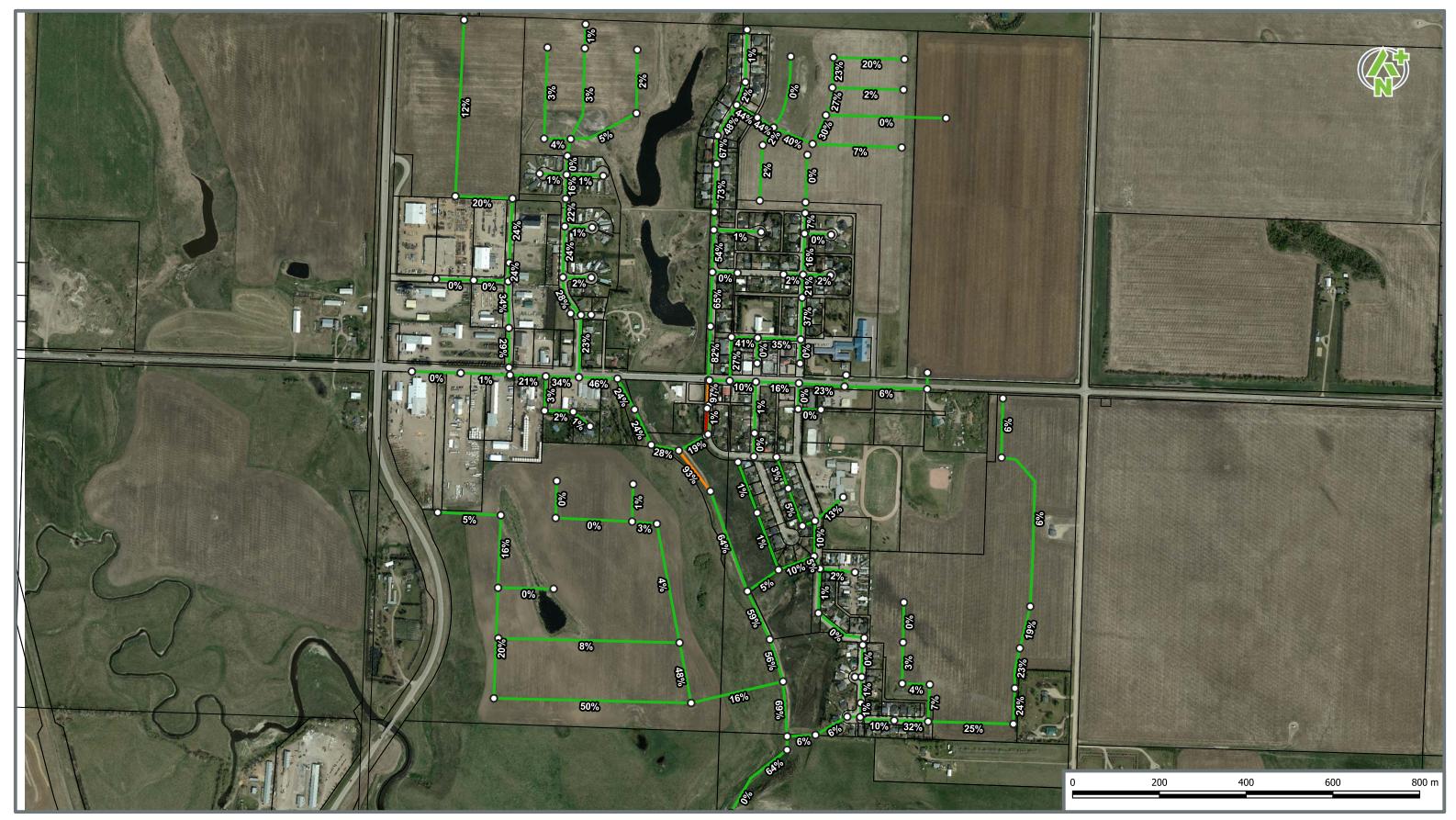


Figure S11 - Full Buildout System Model Results (Percentage of Pipe Capacity vs Flow)



- Existing Manholes
- Pipe Capacity of 0% to 86%
- Pipe Capacity >86% and <100%
- Pipe Capacity >100%

Scale 1:8,000

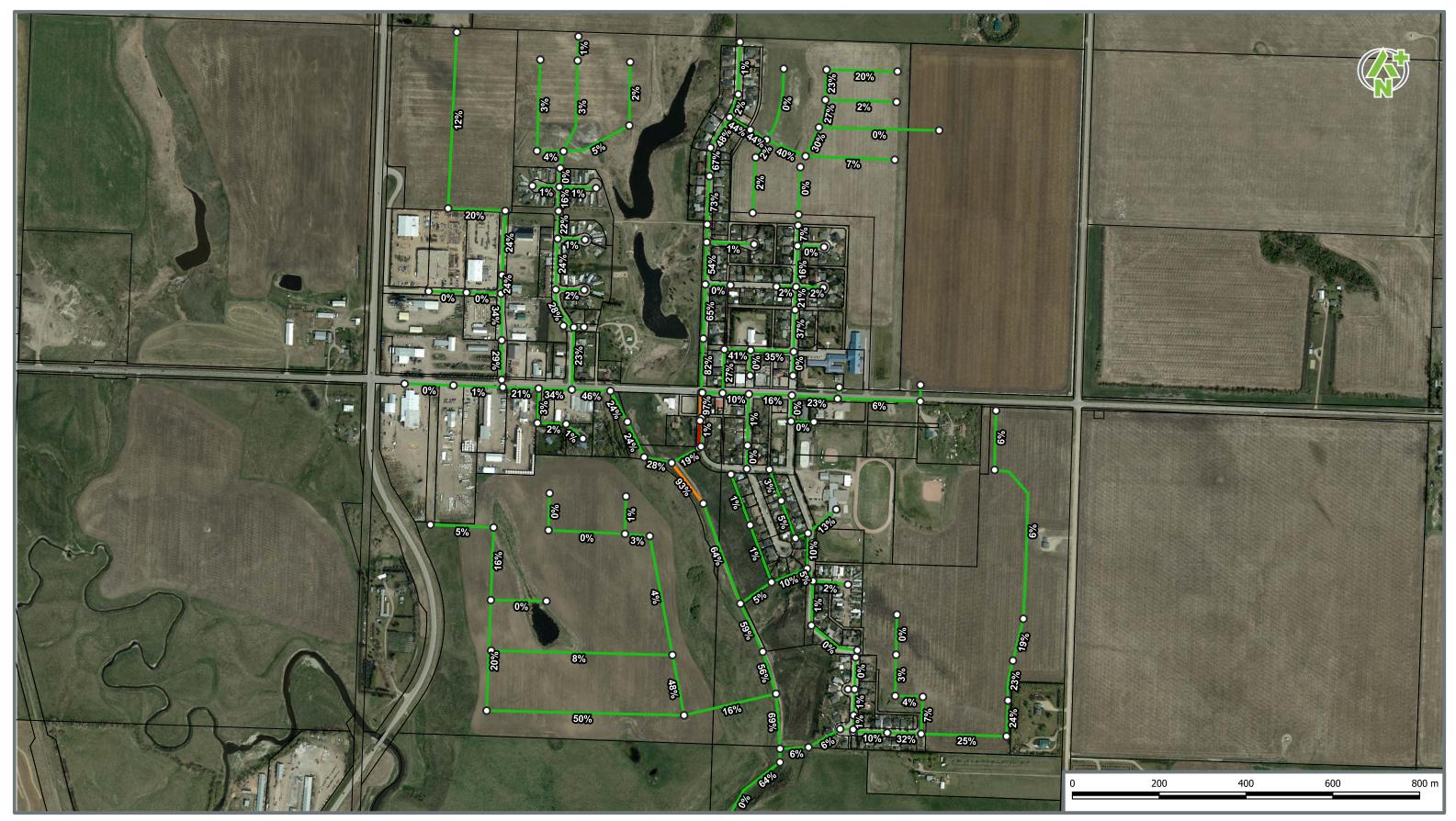
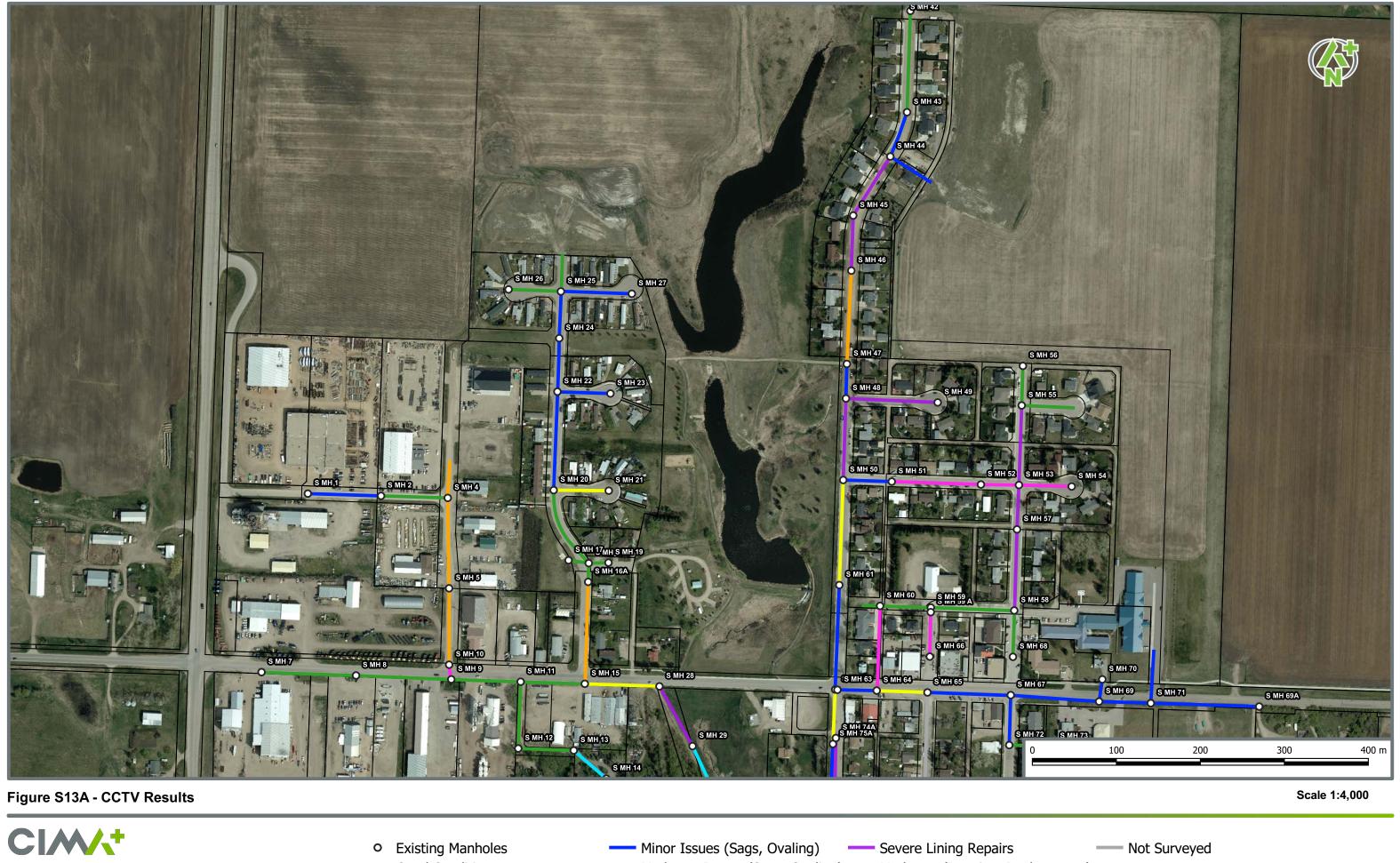


Figure S12 - Full Buildout System Model Results (Percentage of Hydraulic Grade Line vs Pipe Depth)



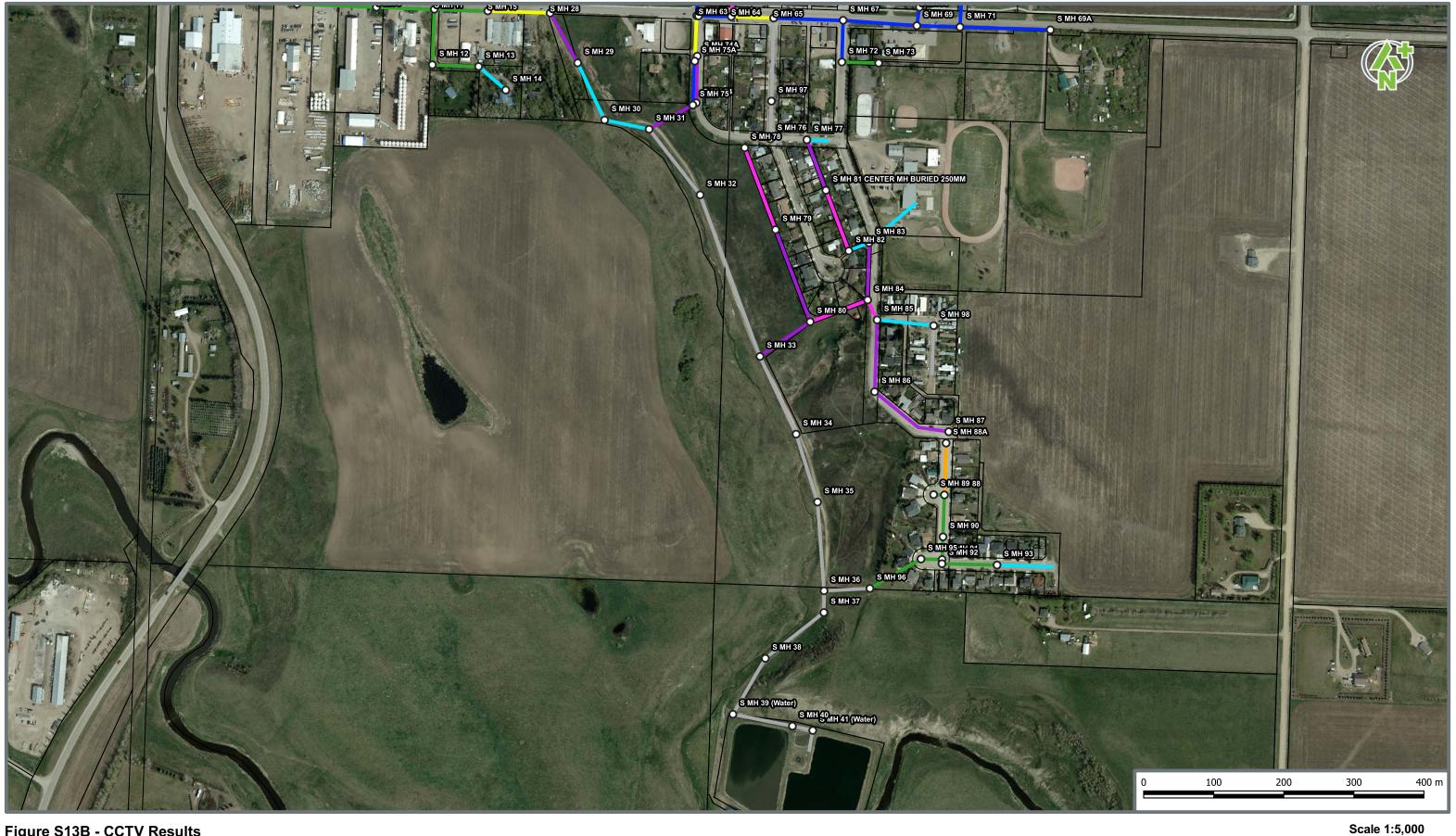
- Existing Manholes
- HGL of 0%-90% of Pipe

Scale 1:8,000





- Good Condition
- Operational / Maintenance Issues Moderate Lining Repairs
- Moderate Issues (Sags, Ovaling) —
- - Moderate (Requires Replacement)
  - ----- Severe (Requires Replacement)



## Figure S13B - CCTV Results



- Existing Manholes
- Good Condition
- Operational / Maintenance Issues Moderate Lining Repairs
- Minor Issues (Sags, Ovaling) Moderate Issues (Sags, Ovaling) —
- ----- Severe Lining Repairs
  - Moderate (Requires Replacement)

  - ----- Severe (Requires Replacement)

----- Not Surveyed