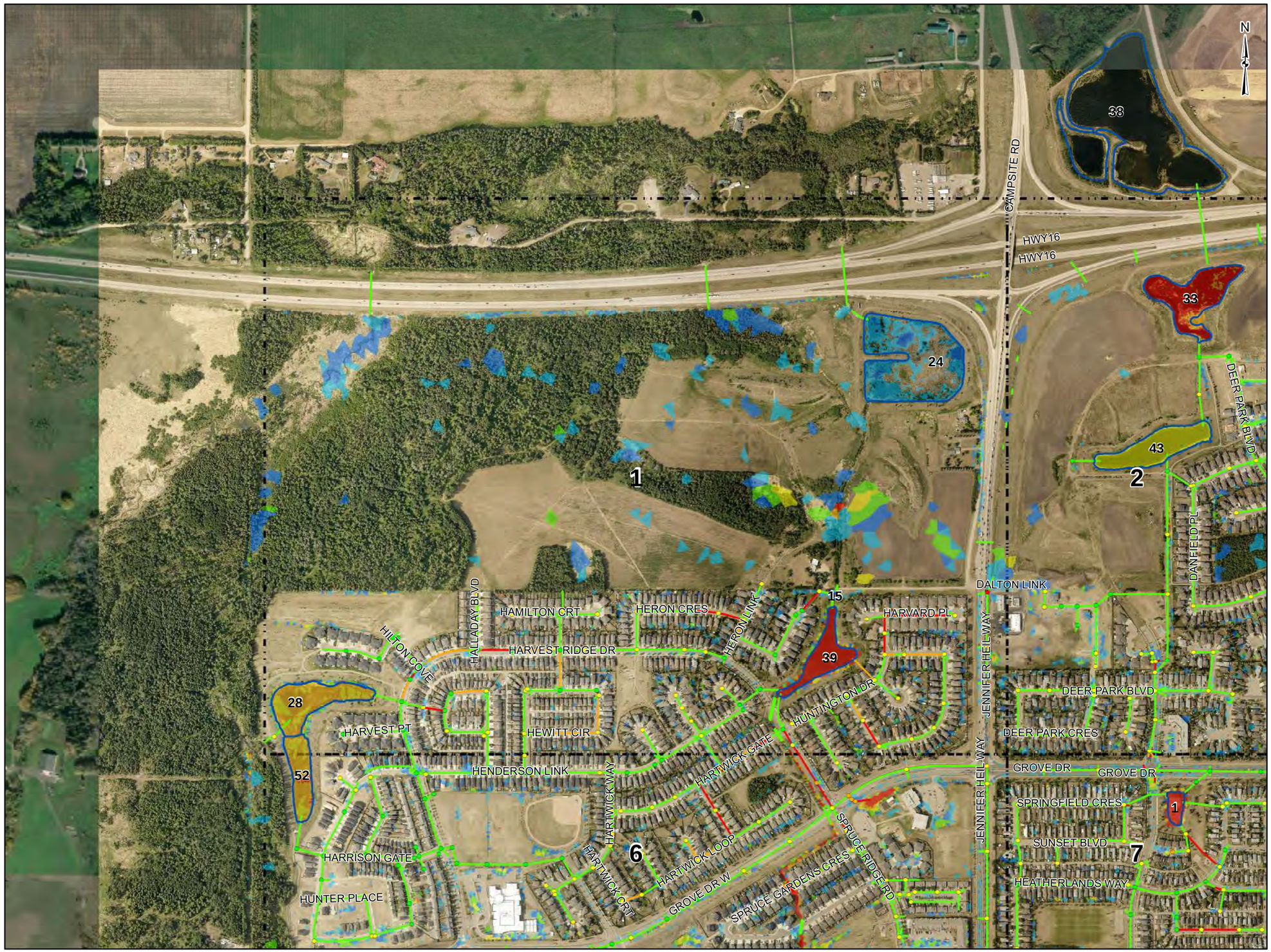
APPENDIX B

Existing System Detailed Modelling Results – 5 Year, 4 – Hour



LEGEND

SWMF

Maximum HGL Relative to Ground

- Less than -3.0m
- -3.0m to -1.2m
- -1.2m to 0.0m
- Greater than 0.0m

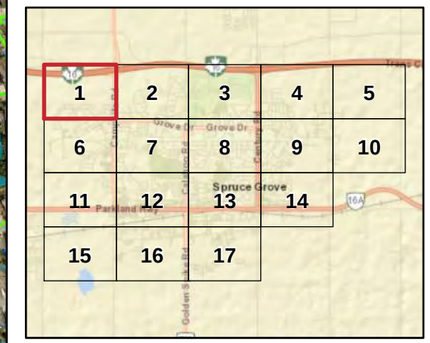
Peak Flow Relative to Capacity

- Less than 86%
- 86% to 100%
- Greater than 100%

Maximum Depth (m)

- <= 0.1 m
- 0.1 - 0.2 m
- 0.2 - 0.3 m
- 0.3 - 0.4 m
- 0.4 - 0.5 m
- > 0.5 m

SWMF maximum depths are relative to LiDAR elevations that cannot penetrate through water surfaces. Thus, elevations within SWMFs are relative to NWL.



TITLE

EXISTING STORMWATER SYSTEM MODELLING RESULTS: 5-YR, 4-HR DESIGN STORM

PROJECT

SPRUCE GROVE STORMWATER MASTER PLAN

CLIENT

THE CITY OF SPRUCE GROVE

DATA SOURCES

- Topographic Map: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

PROJECTION

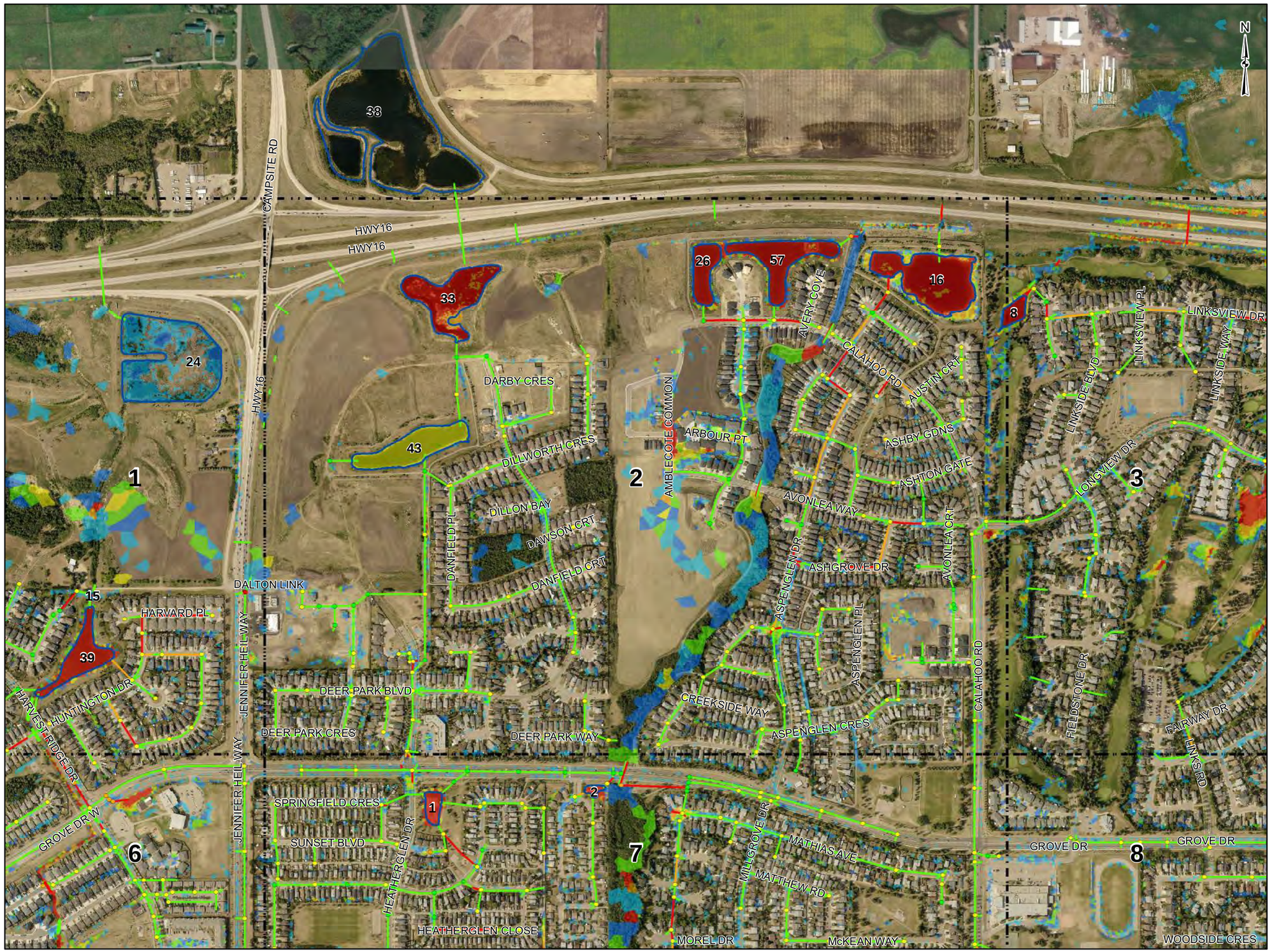
NAD 1983 CSRS 3TM 114

0 60 120 240

1:8,500 Meters

FIGURE	B.1
DATE	2024-05-27
PROJECT NO.	16462
AUTHOR	JS

Document Path: M:\Jeremy\s16462 - Spruce Grove Stormwater Master Plan\01_GIS\16462 - Map Book B - Existing System Results 5Y4H.mxd



LEGEND

SWMF

Maximum HGL Relative to Ground

- Less than -3.0m
- -3.0m to -1.2m
- -1.2m to 0.0m
- Greater than 0.0m

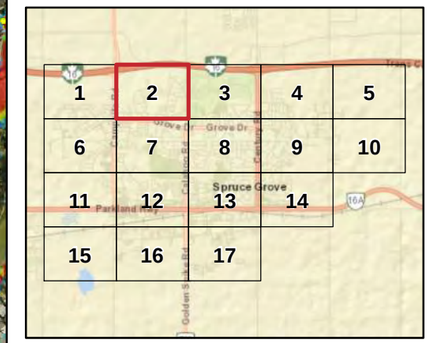
Peak Flow Relative to Capacity

- Less than 86%
- 86% to 100%
- Greater than 100%

Maximum Depth (m)

- <= 0.1 m
- 0.1 - 0.2 m
- 0.2 - 0.3 m
- 0.3 - 0.4 m
- 0.4 - 0.5 m
- > 0.5 m

SWMF maximum depths are relative to LiDAR elevations that cannot penetrate through water surfaces. Thus, elevations within SWMFs are relative to NWL.



TITLE

EXISTING STORMWATER SYSTEM MODELLING RESULTS: 5-YR, 4-HR DESIGN STORM

PROJECT

SPRUCE GROVE STORMWATER MASTER PLAN

CLIENT

THE CITY OF SPRUCE GROVE

DATA SOURCES

- Topographic Map: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

PROJECTION

NAD 1983 CSRS 3TM 114

0 60 120 240

1:8,500 Meters

FIGURE	B.2
DATE	2024-05-27
PROJECT NO.	16462
AUTHOR	JS

Document Path: M:\Jeremy\s16462 - Spruce Grove Stormwater Master Plan\01_GIS\16462 - Map Book B - Existing System Results 5Y4H.mxd

LEGEND

SWMF

Maximum HGL Relative to Ground

- Less than -3.0m
- -3.0m to -1.2m
- -1.2m to 0.0m
- Greater than 0.0m

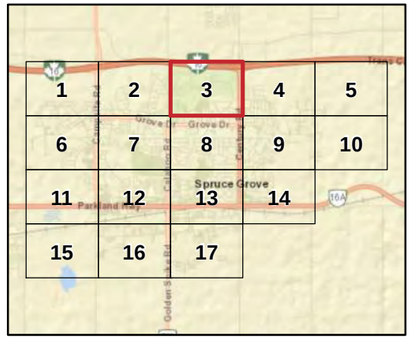
Peak Flow Relative to Capacity

- Less than 86%
- 86% to 100%
- Greater than 100%

Maximum Depth (m)

- <= 0.1 m
- 0.1 - 0.2 m
- 0.2 - 0.3 m
- 0.3 - 0.4 m
- 0.4 - 0.5 m
- > 0.5 m

SWMF maximum depths are relative to LiDAR elevations that cannot penetrate through water surfaces. Thus, elevations within SWMFs are relative to NWL.



TITLE

EXISTING STORMWATER SYSTEM MODELLING RESULTS: 5-YR, 4-HR DESIGN STORM

PROJECT

SPRUCE GROVE STORMWATER MASTER PLAN

CLIENT

THE CITY OF SPRUCE GROVE

DATA SOURCES

- Topographic Map: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

PROJECTION

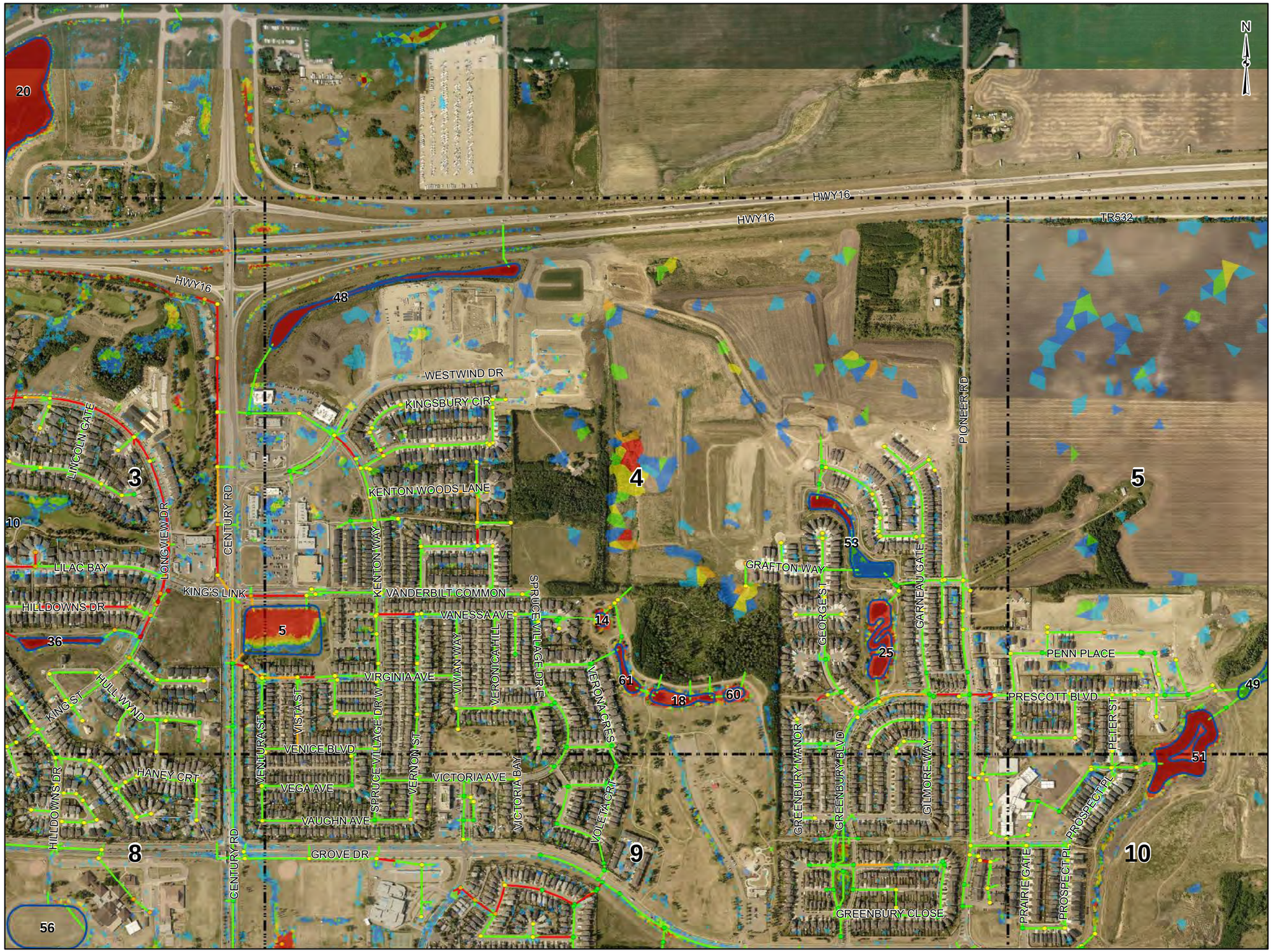
NAD 1983 CSRS 3TM 114

0 60 120 240

1:8,500 Meters

FIGURE	B.3
DATE	2024-05-27
PROJECT NO.	16462
AUTHOR	JS

Document Path: M:\Jeremy\s16462 - Spruce Grove Stormwater Master Plan\01_GIS\16462 - Map Book B - Existing System Results 5Y4H.mxd



LEGEND

SWMF

Maximum HGL Relative to Ground

- Less than -3.0m
- -3.0m to -1.2m
- -1.2m to 0.0m
- Greater than 0.0m

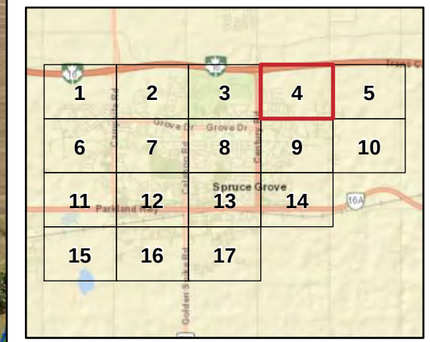
Peak Flow Relative to Capacity

- Less than 86%
- 86% to 100%
- Greater than 100%

Maximum Depth (m)

- <= 0.1 m
- 0.1 - 0.2 m
- 0.2 - 0.3 m
- 0.3 - 0.4 m
- 0.4 - 0.5 m
- > 0.5 m

SWMF maximum depths are relative to LiDAR elevations that cannot penetrate through water surfaces. Thus, elevations within SWMFs are relative to NWL.



TITLE

EXISTING STORMWATER SYSTEM MODELLING RESULTS: 5-YR, 4-HR DESIGN STORM

PROJECT

SPRUCE GROVE STORMWATER MASTER PLAN

CLIENT

THE CITY OF SPRUCE GROVE

DATA SOURCES

- Topographic Map: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

PROJECTION

NAD 1983 CSRS 3TM 114

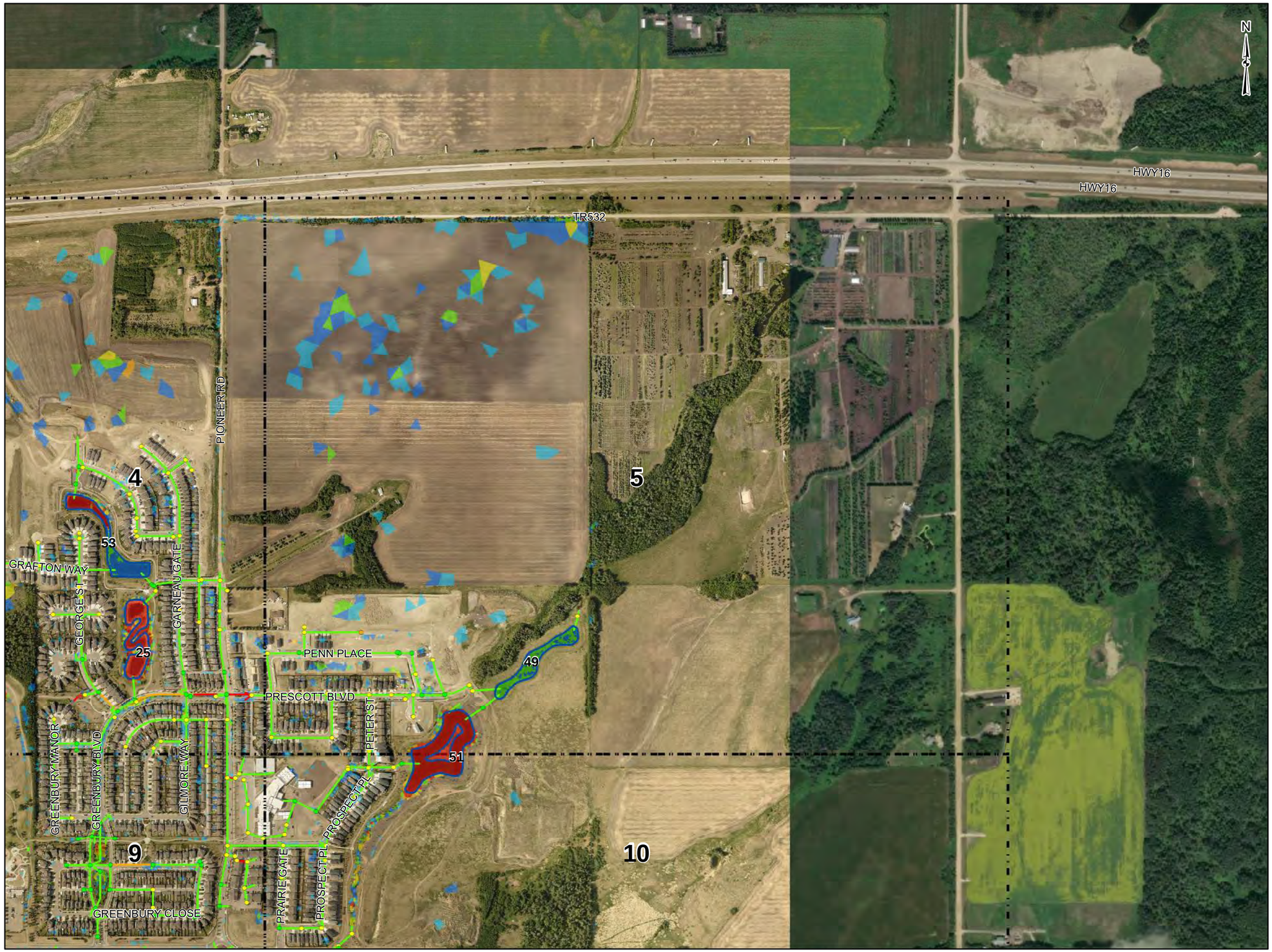
0 60 120 240

1:8,500 Meters

FIGURE	B.4
DATE	2024-05-27
PROJECT NO.	16462
AUTHOR	JS

ISL

Document Path: M:\Jeremy\s116462 - Spruce Grove Stormwater Master Plan\01_GIS\116462 - Map Book B - Existing System Results 5Y4H.mxd



LEGEND

SWMF

Maximum HGL Relative to Ground

- Less than -3.0m
- -3.0m to -1.2m
- -1.2m to 0.0m
- Greater than 0.0m

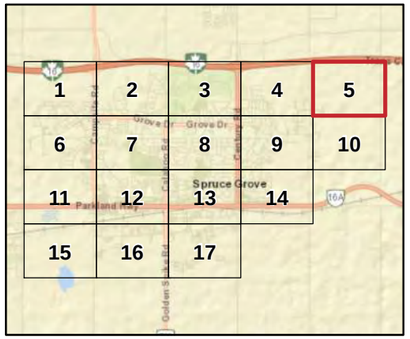
Peak Flow Relative to Capacity

- Less than 86%
- 86% to 100%
- Greater than 100%

Maximum Depth (m)

- <= 0.1 m
- 0.1 - 0.2 m
- 0.2 - 0.3 m
- 0.3 - 0.4 m
- 0.4 - 0.5 m
- > 0.5 m

SWMF maximum depths are relative to LiDAR elevations that cannot penetrate through water surfaces. Thus, elevations within SWMFs are relative to NWL.



TITLE

EXISTING STORMWATER SYSTEM MODELLING RESULTS: 5-YR, 4-HR DESIGN STORM

PROJECT

SPRUCE GROVE STORMWATER MASTER PLAN

CLIENT

THE CITY OF SPRUCE GROVE

DATA SOURCES

- Topographic Map: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

PROJECTION

NAD 1983 CSRS 3TM 114

0 60 120 240

1:8,500 Meters

FIGURE	B.5
DATE	2024-05-27
PROJECT NO.	16462
AUTHOR	JS

Document Path: M:\Jeremy\s\16462 - Spruce Grove Stormwater Master Plan\01_GIS\16462 - Map Book B - Existing System Results 5Y4H.mxd

LEGEND

SWMF

Maximum HGL Relative to Ground

- Less than -3.0m
- -3.0m to -1.2m
- -1.2m to 0.0m
- Greater than 0.0m

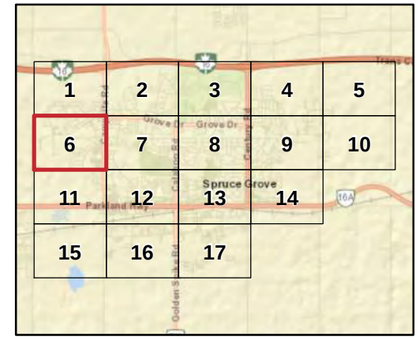
Peak Flow Relative to Capacity

- Less than 86%
- 86% to 100%
- Greater than 100%

Maximum Depth (m)

- <= 0.1 m
- 0.1 - 0.2 m
- 0.2 - 0.3 m
- 0.3 - 0.4 m
- 0.4 - 0.5 m
- > 0.5 m

SWMF maximum depths are relative to LiDAR elevations that cannot penetrate through water surfaces. Thus, elevations within SWMFs are relative to NWL.



TITLE

EXISTING STORMWATER SYSTEM MODELLING RESULTS: 5-YR, 4-HR DESIGN STORM

PROJECT

SPRUCE GROVE STORMWATER MASTER PLAN

CLIENT

THE CITY OF SPRUCE GROVE

DATA SOURCES

- Topographic Map: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

PROJECTION

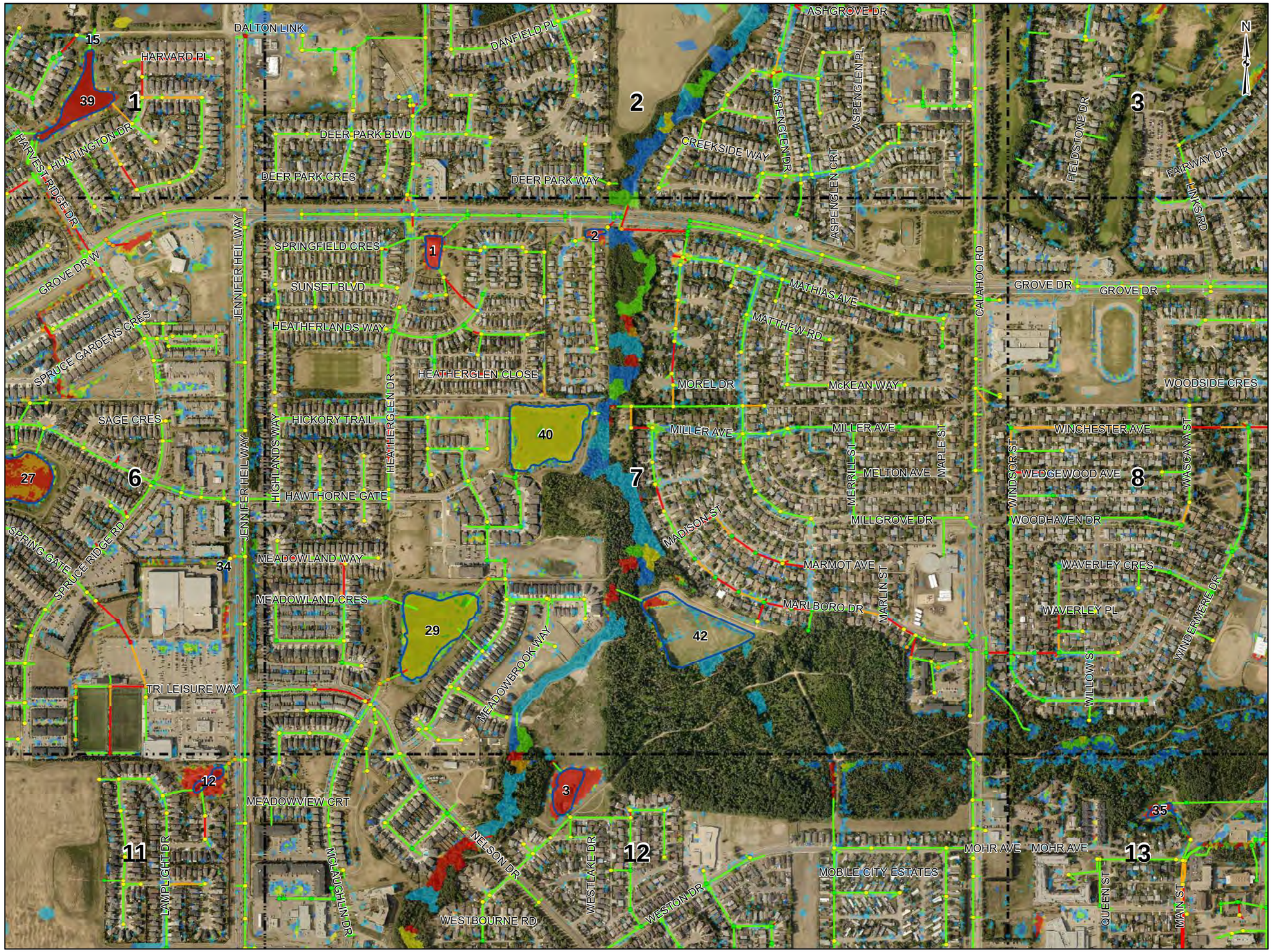
NAD 1983 CSRS 3TM 114

0 60 120 240

1:8,500 Meters

FIGURE	B.6
DATE	2024-05-27
PROJECT NO.	16462
AUTHOR	JS

Document Path: M:\Jeremy\S116462 - Spruce Grove Stormwater Master Plan\01_GIS\16462 - Map Book B - Existing System Results 5Y4H.mxd



LEGEND

SWMF

Maximum HGL Relative to Ground

- Less than -3.0m
- -3.0m to -1.2m
- -1.2m to 0.0m
- Greater than 0.0m

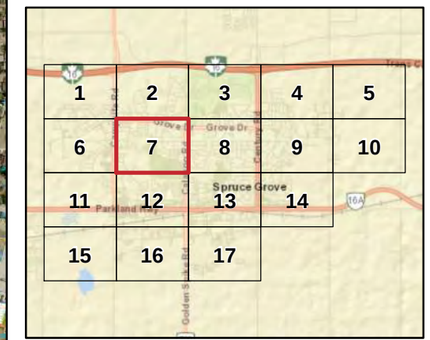
Peak Flow Relative to Capacity

- Less than 86%
- 86% to 100%
- Greater than 100%

Maximum Depth (m)

- <= 0.1 m
- 0.1 - 0.2 m
- 0.2 - 0.3 m
- 0.3 - 0.4 m
- 0.4 - 0.5 m
- > 0.5 m

SWMF maximum depths are relative to LiDAR elevations that cannot penetrate through water surfaces. Thus, elevations within SWMFs are relative to NWL.



TITLE

EXISTING STORMWATER SYSTEM MODELLING RESULTS: 5-YR, 4-HR DESIGN STORM

PROJECT
SPRUCE GROVE STORMWATER MASTER PLAN

CLIENT
THE CITY OF SPRUCE GROVE

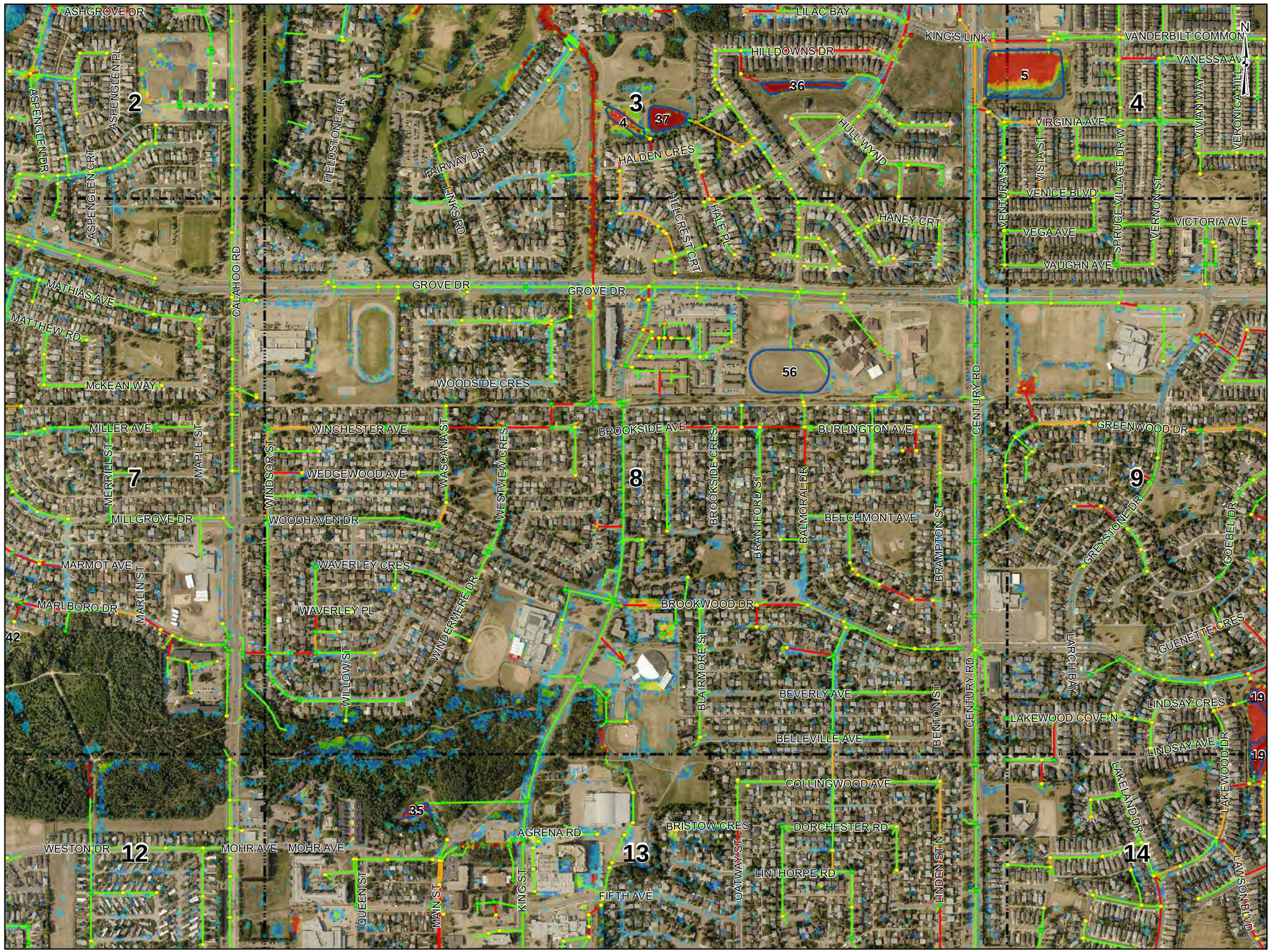
DATA SOURCES
- Topographic Map: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

PROJECTION
NAD 1983 CSRS 3TM 114

0 60 120 240
1:8,500 Meters

FIGURE	B.7
DATE	2024-05-27
PROJECT NO.	16462
AUTHOR	JS

Document Path: M:\Jeremy\s16462 - Spruce Grove Stormwater Master Plan\01_GIS\16462 - Map Book B - Existing System Results 5Y4H.mxd



LEGEND

SWMF

Maximum HGL Relative to Ground

- Less than -3.0m
- -3.0m to -1.2m
- -1.2m to 0.0m
- Greater than 0.0m

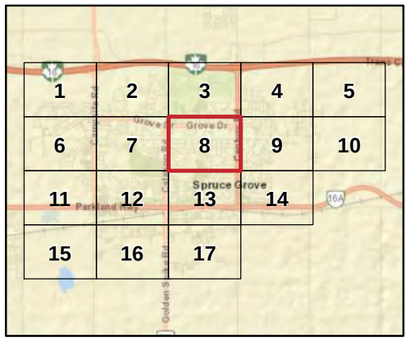
Peak Flow Relative to Capacity

- Less than 86%
- 86% to 100%
- Greater than 100%

Maximum Depth (m)

- <= 0.1 m
- 0.1 - 0.2 m
- 0.2 - 0.3 m
- 0.3 - 0.4 m
- 0.4 - 0.5 m
- > 0.5 m

SWMF maximum depths are relative to LiDAR elevations that cannot penetrate through water surfaces. Thus, elevations within SWMFs are relative to NWL.



TITLE

EXISTING STORMWATER SYSTEM MODELLING RESULTS: 5-YR, 4-HR DESIGN STORM

PROJECT

SPRUCE GROVE STORMWATER MASTER PLAN

CLIENT

THE CITY OF SPRUCE GROVE

DATA SOURCES

- Topographic Map: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

PROJECTION

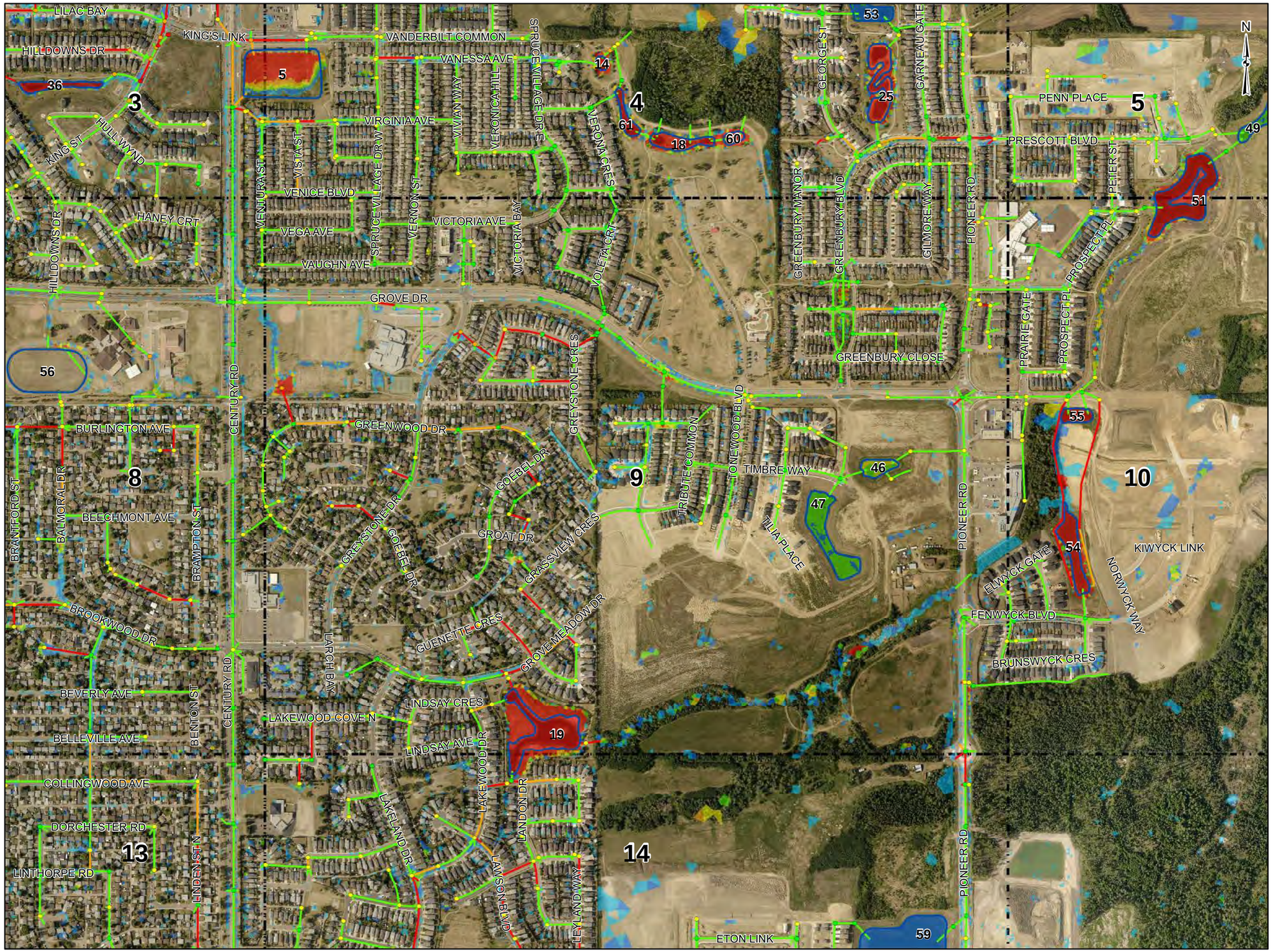
NAD 1983 CSRS 3TM 114

0 60 120 240

1:8,500 Meters

FIGURE	B.8
DATE	2024-05-27
PROJECT NO.	16462
AUTHOR	JS

Document Path: M:\Jeremy\s16462 - Spruce Grove Stormwater Master Plan\01_GIS\16462 - Map Book B - Existing System Results 5Y4H.mxd



LEGEND

SWMF

Maximum HGL Relative to Ground

- Less than -3.0m
- -3.0m to -1.2m
- -1.2m to 0.0m
- Greater than 0.0m

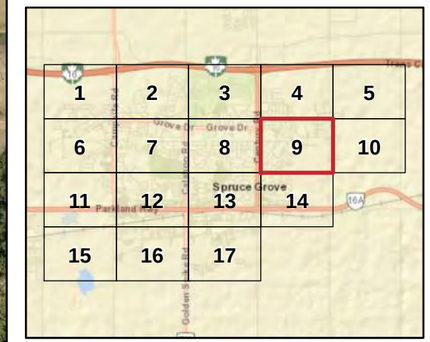
Peak Flow Relative to Capacity

- Less than 86%
- 86% to 100%
- Greater than 100%

Maximum Depth (m)

- <= 0.1 m
- 0.1 - 0.2 m
- 0.2 - 0.3 m
- 0.3 - 0.4 m
- 0.4 - 0.5 m
- > 0.5 m

SWMF maximum depths are relative to LiDAR elevations that cannot penetrate through water surfaces. Thus, elevations within SWMFs are relative to NWL.



TITLE

EXISTING STORMWATER SYSTEM MODELLING RESULTS: 5-YR, 4-HR DESIGN STORM

PROJECT

SPRUCE GROVE STORMWATER MASTER PLAN

CLIENT

THE CITY OF SPRUCE GROVE

DATA SOURCES

- Topographic Map: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

PROJECTION

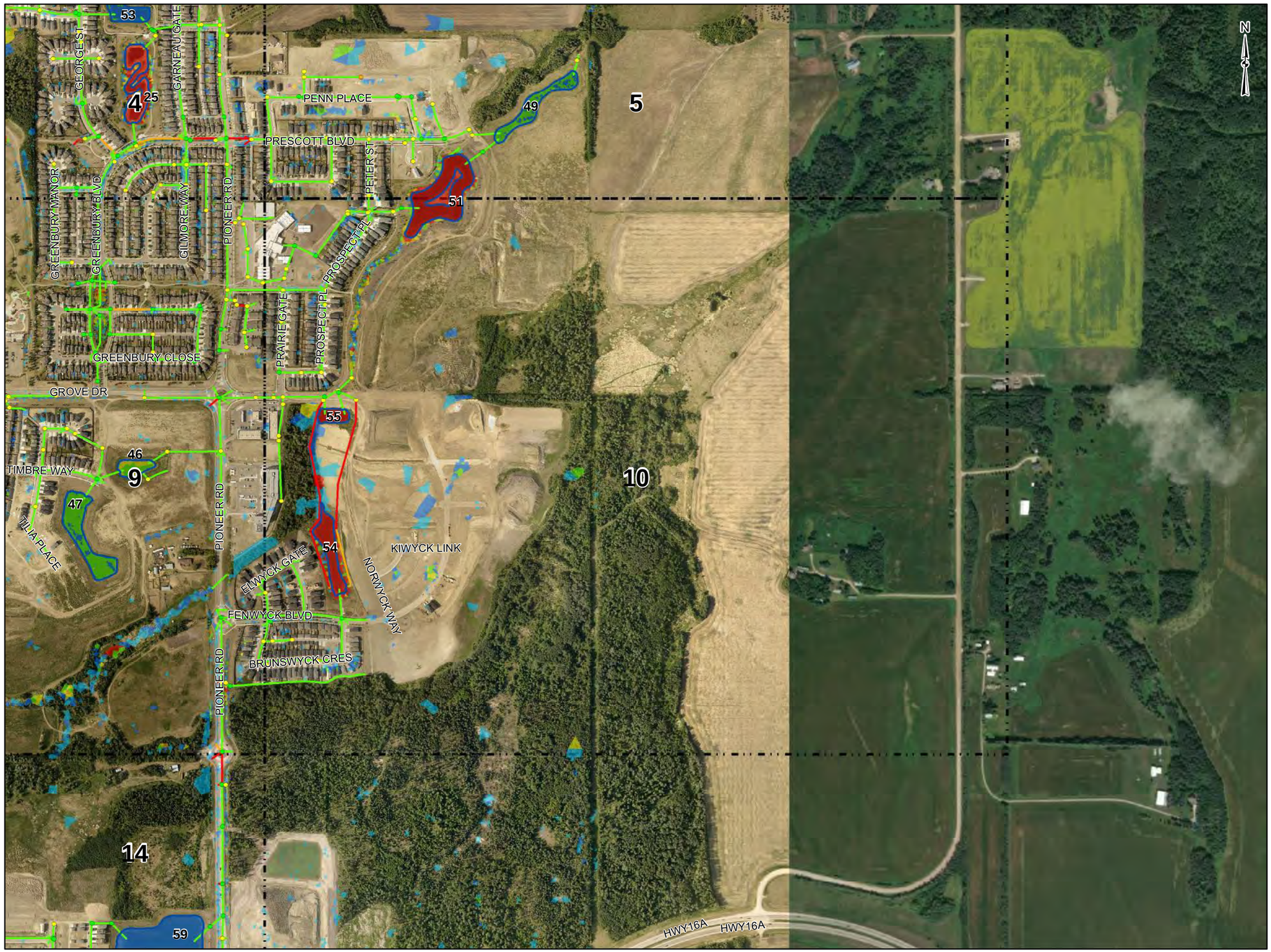
NAD 1983 CSRS 3TM 114

0 60 120 240

1:8,500 Meters

FIGURE	B.9
DATE	2024-05-27
PROJECT NO.	16462
AUTHOR	JS

Document Path: M:\Jeremy\S116462 - Spruce Grove Stormwater Master Plan\01_GIS\16462 - Map Book B - Existing System Results 5Y4H.mxd



LEGEND

SWMF

Maximum HGL Relative to Ground

- Less than -3.0m
- -3.0m to -1.2m
- -1.2m to 0.0m
- Greater than 0.0m

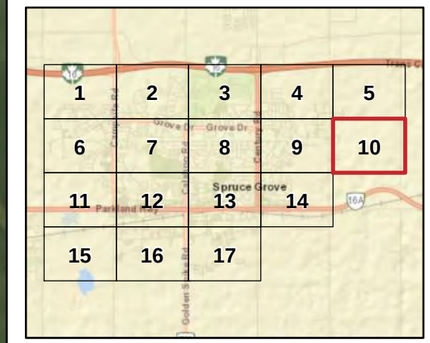
Peak Flow Relative to Capacity

- Less than 86%
- 86% to 100%
- Greater than 100%

Maximum Depth (m)

- <= 0.1 m
- 0.1 - 0.2 m
- 0.2 - 0.3 m
- 0.3 - 0.4 m
- 0.4 - 0.5 m
- > 0.5 m

SWMF maximum depths are relative to LiDAR elevations that cannot penetrate through water surfaces. Thus, elevations within SWMFs are relative to NWL.



TITLE

EXISTING STORMWATER SYSTEM MODELLING RESULTS: 5-YR, 4-HR DESIGN STORM

PROJECT

SPRUCE GROVE STORMWATER MASTER PLAN

CLIENT

THE CITY OF SPRUCE GROVE

DATA SOURCES

- Topographic Map: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

PROJECTION

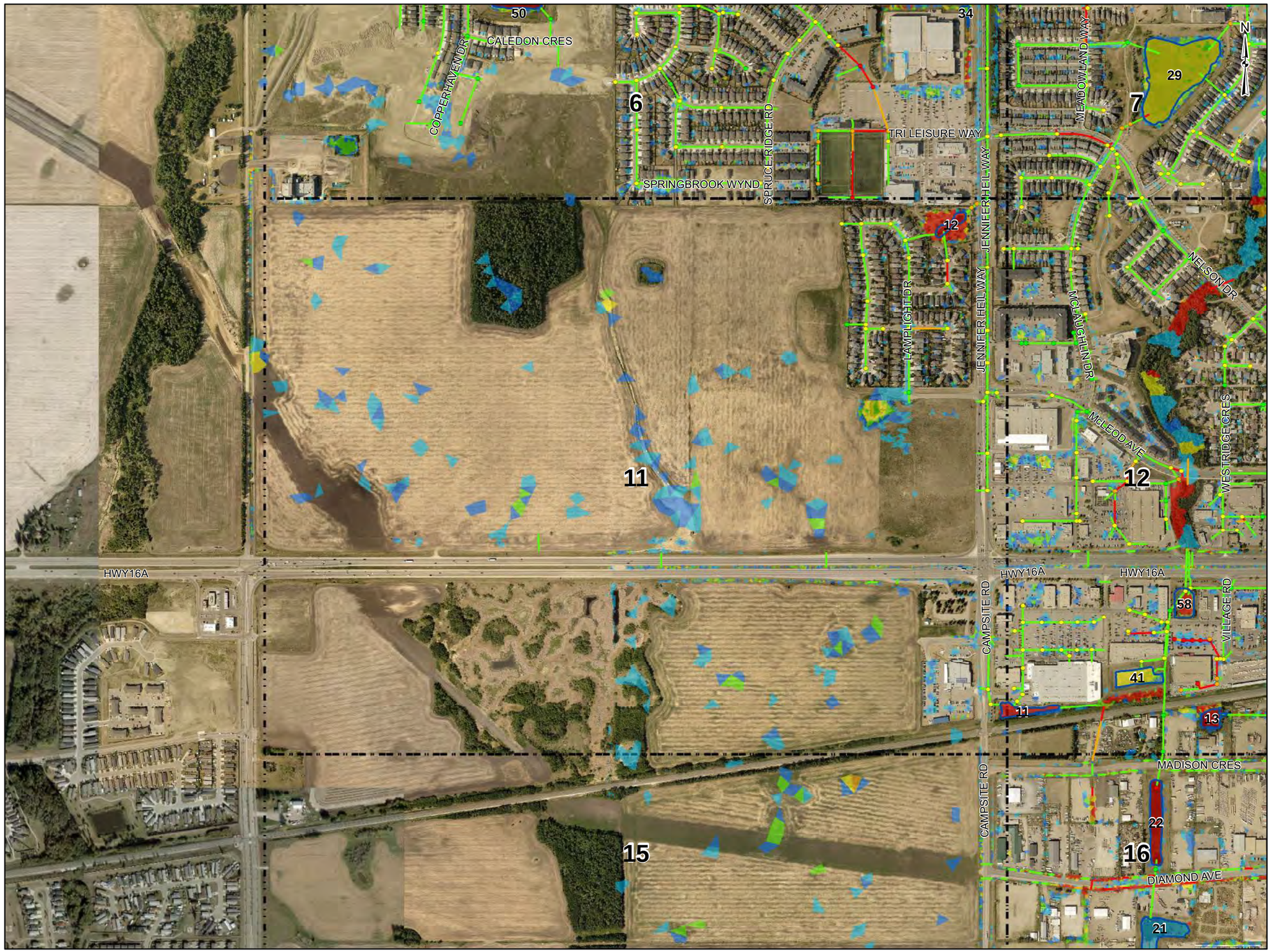
NAD 1983 CSRS 3TM 114

0 60 120 240

1:8,500 Meters

FIGURE	B.10
DATE	2024-05-27
PROJECT NO.	16462
AUTHOR	JS

Document Path: M:\Jeremy\s16462 - Spruce Grove Stormwater Master Plan\01_GIS\16462 - Map Book B - Existing System Results 5Y4H.mxd



LEGEND

SWMF

Maximum HGL Relative to Ground

- Less than -3.0m
- -3.0m to -1.2m
- -1.2m to 0.0m
- Greater than 0.0m

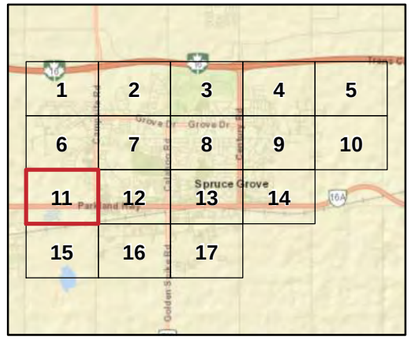
Peak Flow Relative to Capacity

- Less than 86%
- 86% to 100%
- Greater than 100%

Maximum Depth (m)

- <= 0.1 m
- 0.1 - 0.2 m
- 0.2 - 0.3 m
- 0.3 - 0.4 m
- 0.4 - 0.5 m
- > 0.5 m

SWMF maximum depths are relative to LiDAR elevations that cannot penetrate through water surfaces. Thus, elevations within SWMFs are relative to NWL.



TITLE

EXISTING STORMWATER SYSTEM MODELLING RESULTS: 5-YR, 4-HR DESIGN STORM

PROJECT

SPRUCE GROVE STORMWATER MASTER PLAN

CLIENT

THE CITY OF SPRUCE GROVE

DATA SOURCES

- Topographic Map: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

PROJECTION

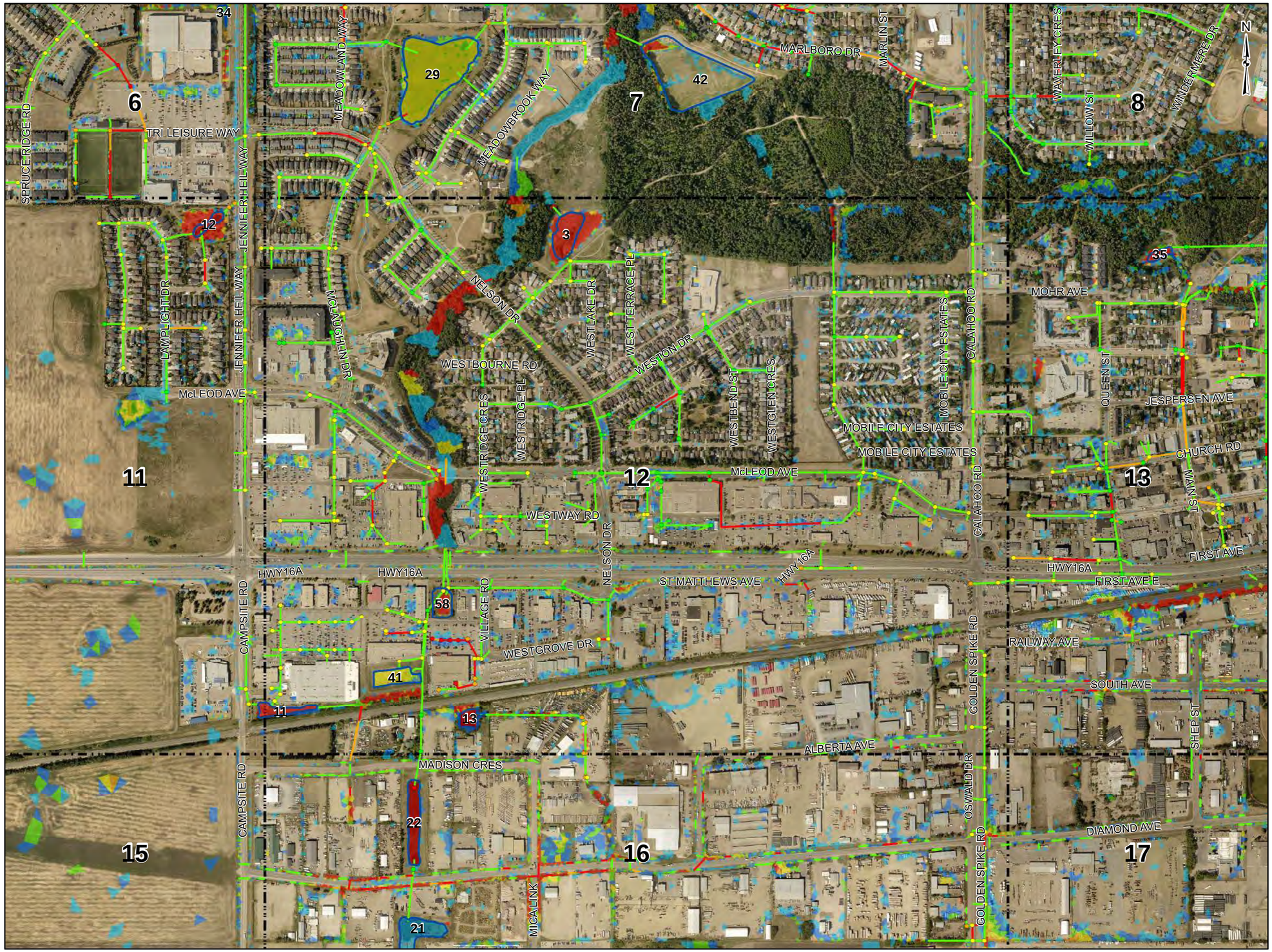
NAD 1983 CSRS 3TM 114

0 60 120 240

1:8,500 Meters

FIGURE	B.11
DATE	2024-05-27
PROJECT NO.	16462
AUTHOR	JS

Document Path: M:\Jeremy\s16462 - Spruce Grove Stormwater Master Plan\01_GIS\16462 - Map Book B - Existing System Results 5Y4H.mxd



LEGEND

SWMF

Maximum HGL Relative to Ground

- Less than -3.0m
- -3.0m to -1.2m
- -1.2m to 0.0m
- Greater than 0.0m

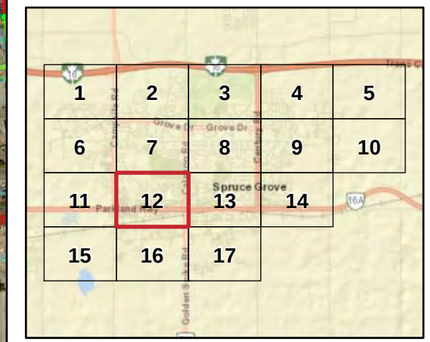
Peak Flow Relative to Capacity

- Less than 86%
- 86% to 100%
- Greater than 100%

Maximum Depth (m)

- <= 0.1 m
- 0.1 - 0.2 m
- 0.2 - 0.3 m
- 0.3 - 0.4 m
- 0.4 - 0.5 m
- > 0.5 m

SWMF maximum depths are relative to LiDAR elevations that cannot penetrate through water surfaces. Thus, elevations within SWMFs are relative to NWL.



TITLE

EXISTING STORMWATER SYSTEM MODELLING RESULTS: 5-YR, 4-HR DESIGN STORM

PROJECT

SPRUCE GROVE STORMWATER MASTER PLAN

CLIENT

THE CITY OF SPRUCE GROVE

DATA SOURCES

- Topographic Map: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

PROJECTION

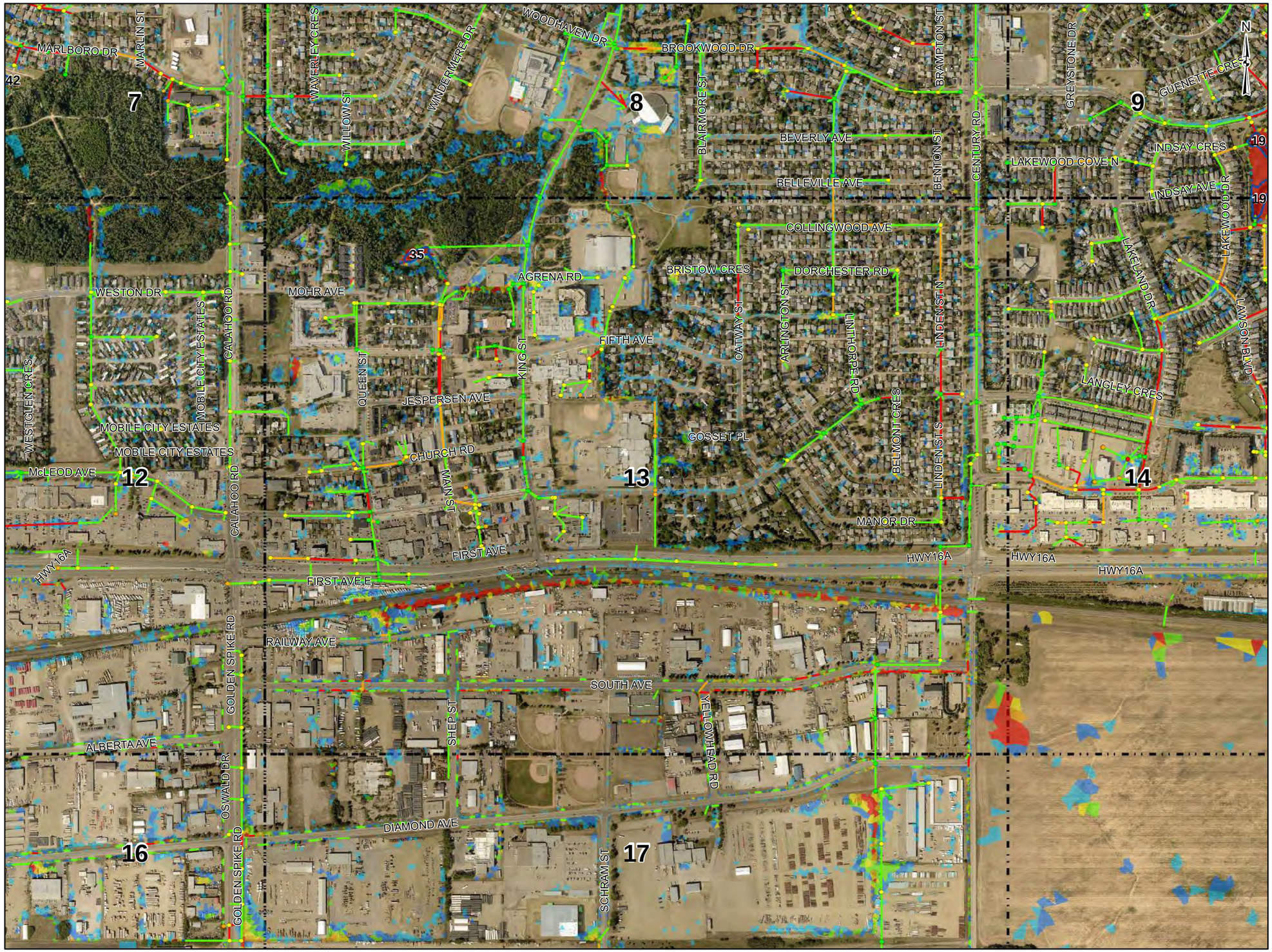
NAD 1983 CSRS 3TM 114

0 60 120 240

1:8,500 Meters

FIGURE	B.12
DATE	2024-05-27
PROJECT NO.	16462
AUTHOR	JS

Document Path: M:\Jeremy\S\16462 - Spruce Grove Stormwater Master Plan\01_GIS\16462 - Map Book B - Existing System Results 5Y4H.mxd



LEGEND

SWMF

Maximum HGL Relative to Ground

- Less than -3.0m
- -3.0m to -1.2m
- -1.2m to 0.0m
- Greater than 0.0m

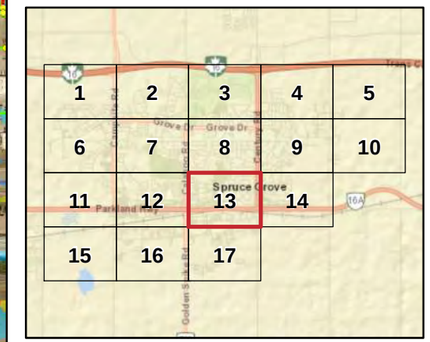
Peak Flow Relative to Capacity

- Less than 86%
- 86% to 100%
- Greater than 100%

Maximum Depth (m)

- <= 0.1 m
- 0.1 - 0.2 m
- 0.2 - 0.3 m
- 0.3 - 0.4 m
- 0.4 - 0.5 m
- > 0.5 m

SWMF maximum depths are relative to LiDAR elevations that cannot penetrate through water surfaces. Thus, elevations within SWMFs are relative to NWL.



TITLE

EXISTING STORMWATER SYSTEM MODELLING RESULTS: 5-YR, 4-HR DESIGN STORM

PROJECT

SPRUCE GROVE STORMWATER MASTER PLAN

CLIENT

THE CITY OF SPRUCE GROVE

DATA SOURCES

- Topographic Map: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

PROJECTION

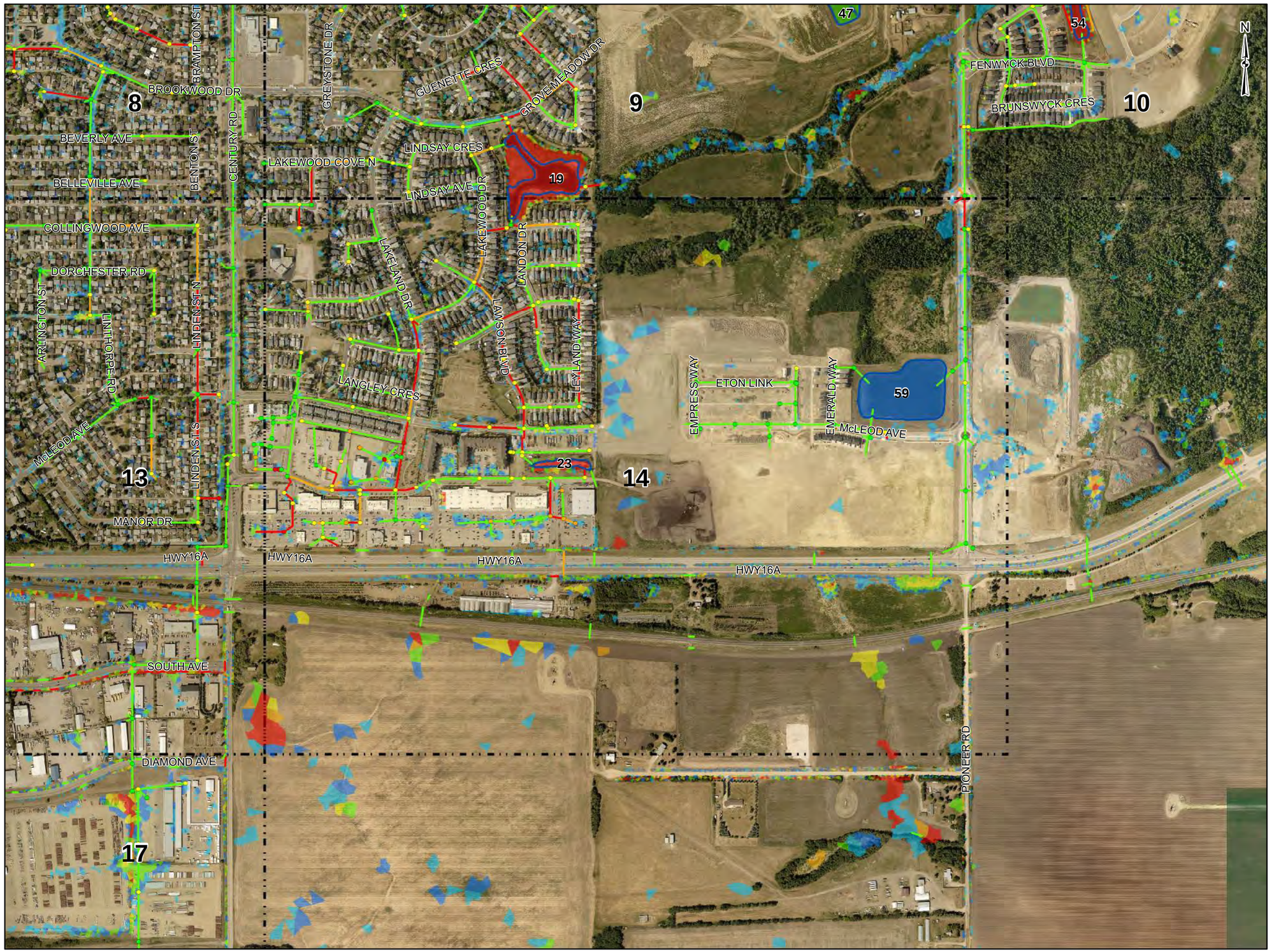
NAD 1983 CSRS 3TM 114

0 60 120 240

1:8,500 Meters

FIGURE	B.13
DATE	2024-05-27
PROJECT NO.	16462
AUTHOR	JS

Document Path: M:\Jeremy\S16462 - Spruce Grove Stormwater Master Plan\01_GIS\16462 - Map Book B - Existing System Results 5Y4H.mxd



LEGEND

SWMF

Maximum HGL Relative to Ground

- Less than -3.0m
- -3.0m to -1.2m
- -1.2m to 0.0m
- Greater than 0.0m

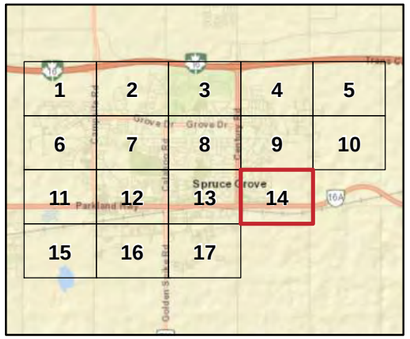
Peak Flow Relative to Capacity

- Less than 86%
- 86% to 100%
- Greater than 100%

Maximum Depth (m)

- <= 0.1 m
- 0.1 - 0.2 m
- 0.2 - 0.3 m
- 0.3 - 0.4 m
- 0.4 - 0.5 m
- > 0.5 m

SWMF maximum depths are relative to LiDAR elevations that cannot penetrate through water surfaces. Thus, elevations within SWMFs are relative to NWL.



TITLE

EXISTING STORMWATER SYSTEM MODELLING RESULTS: 5-YR, 4-HR DESIGN STORM

PROJECT

SPRUCE GROVE STORMWATER MASTER PLAN

CLIENT

THE CITY OF SPRUCE GROVE

DATA SOURCES

- Topographic Map: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

PROJECTION

NAD 1983 CSRS 3TM 114

0 60 120 240

1:8,500 Meters

FIGURE	B.14
DATE	2024-05-27
PROJECT NO.	16462
AUTHOR	JS

Document Path: M:\Jeremy\s16462 - Spruce Grove Stormwater Master Plan\01_GIS\16462 - Map Book B - Existing System Results 5Y4H.mxd

LEGEND

SWMF

Maximum HGL Relative to Ground

- Less than -3.0m
- -3.0m to -1.2m
- -1.2m to 0.0m
- Greater than 0.0m

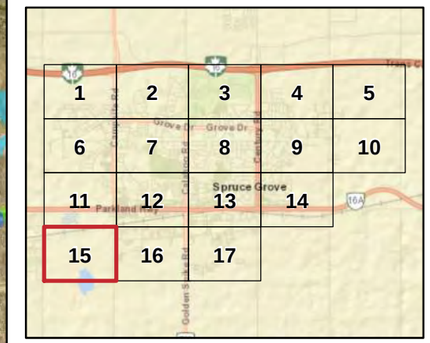
Peak Flow Relative to Capacity

- Less than 86%
- 86% to 100%
- Greater than 100%

Maximum Depth (m)

- <= 0.1 m
- 0.1 - 0.2 m
- 0.2 - 0.3 m
- 0.3 - 0.4 m
- 0.4 - 0.5 m
- > 0.5 m

SWMF maximum depths are relative to LiDAR elevations that cannot penetrate through water surfaces. Thus, elevations within SWMFs are relative to NWL.



TITLE

EXISTING STORMWATER SYSTEM MODELLING RESULTS: 5-YR, 4-HR DESIGN STORM

PROJECT

SPRUCE GROVE STORMWATER MASTER PLAN

CLIENT

THE CITY OF SPRUCE GROVE

DATA SOURCES

- Topographic Map: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

PROJECTION

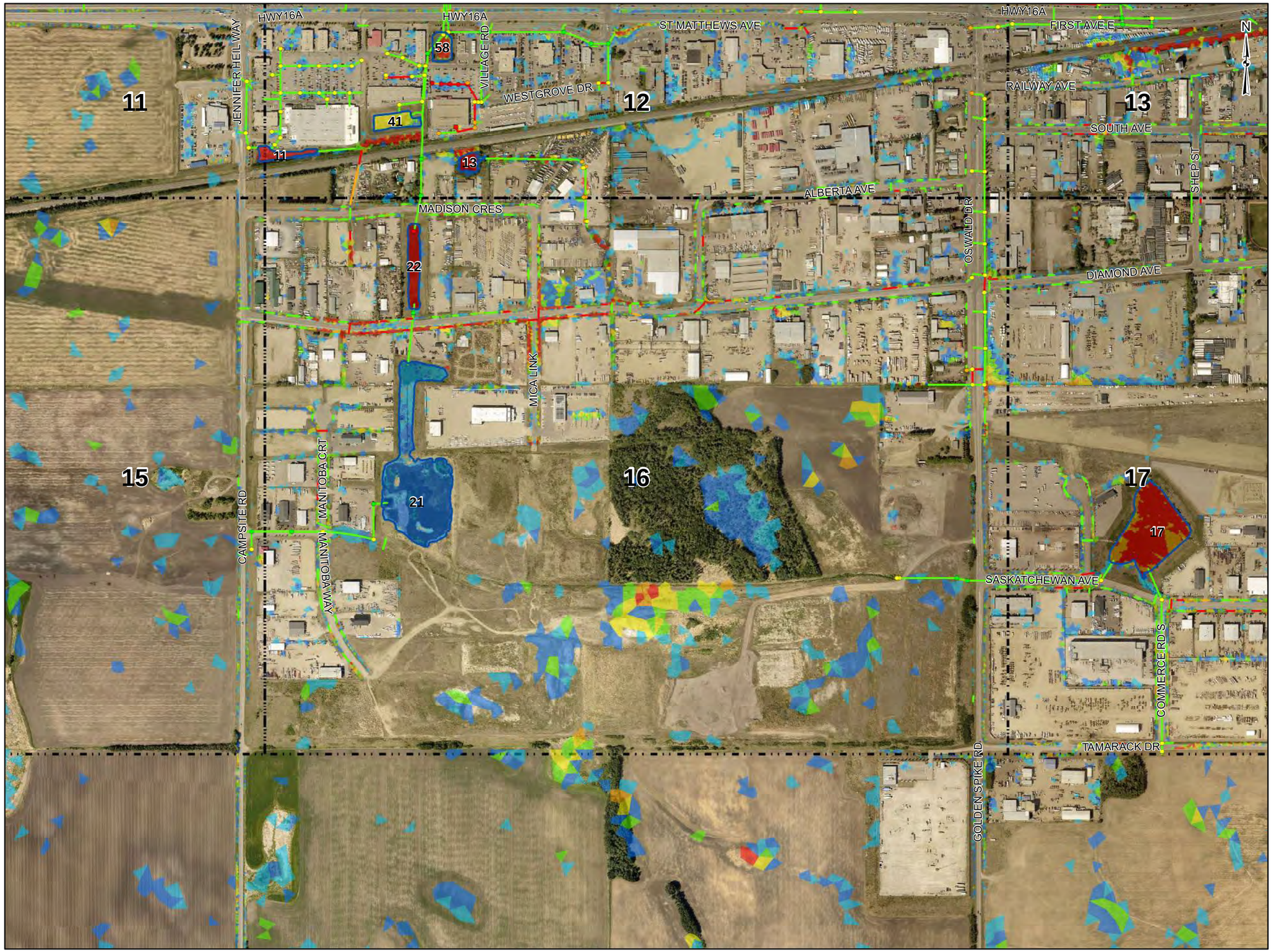
NAD 1983 CSRS 3TM 114

0 60 120 240

1:8,500 Meters

FIGURE	B.15
DATE	2024-05-27
PROJECT NO.	16462
AUTHOR	JS

Document Path: M:\Jeremy\s16462 - Spruce Grove Stormwater Master Plan\01_GIS\16462 - Map Book B - Existing System Results 5Y4H.mxd



LEGEND

SWMF

Maximum HGL Relative to Ground

- Less than -3.0m
- -3.0m to -1.2m
- -1.2m to 0.0m
- Greater than 0.0m

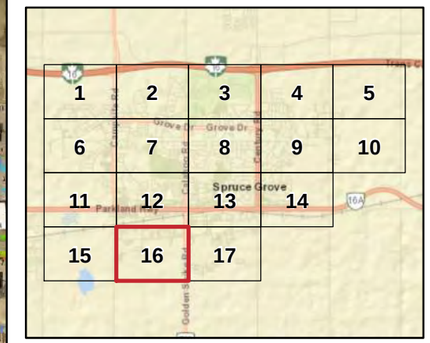
Peak Flow Relative to Capacity

- Less than 86%
- 86% to 100%
- Greater than 100%

Maximum Depth (m)

- <= 0.1 m
- 0.1 - 0.2 m
- 0.2 - 0.3 m
- 0.3 - 0.4 m
- 0.4 - 0.5 m
- > 0.5 m

SWMF maximum depths are relative to LiDAR elevations that cannot penetrate through water surfaces. Thus, elevations within SWMFs are relative to NWL.



TITLE

EXISTING STORMWATER SYSTEM MODELLING RESULTS: 5-YR, 4-HR DESIGN STORM

PROJECT

SPRUCE GROVE STORMWATER MASTER PLAN

CLIENT

THE CITY OF SPRUCE GROVE

DATA SOURCES

- Topographic Map: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

PROJECTION

NAD 1983 CSRS 3TM 114

0 60 120 240

1:8,500 Meters

FIGURE	B.16
DATE	2024-05-27
PROJECT NO.	16462
AUTHOR	JS

Document Path: M:\Jeremy\s\16462 - Spruce Grove Stormwater Master Plan\01_GIS\16462 - Map Book B - Existing System Results 5Y4H.mxd

LEGEND

SWMF

Maximum HGL Relative to Ground

- Less than -3.0m
- -3.0m to -1.2m
- -1.2m to 0.0m
- Greater than 0.0m

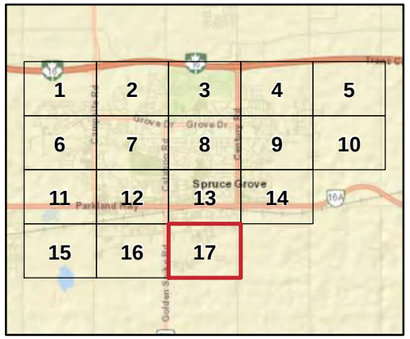
Peak Flow Relative to Capacity

- Less than 86%
- 86% to 100%
- Greater than 100%

Maximum Depth (m)

- <= 0.1 m
- 0.1 - 0.2 m
- 0.2 - 0.3 m
- 0.3 - 0.4 m
- 0.4 - 0.5 m
- > 0.5 m

SWMF maximum depths are relative to LiDAR elevations that cannot penetrate through water surfaces. Thus, elevations within SWMFs are relative to NWL.



TITLE

EXISTING STORMWATER SYSTEM MODELLING RESULTS: 5-YR, 4-HR DESIGN STORM

PROJECT

SPRUCE GROVE STORMWATER MASTER PLAN

CLIENT

THE CITY OF SPRUCE GROVE

DATA SOURCES

- Topographic Map: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

PROJECTION

NAD 1983 CSRS 3TM 114

0 60 120 240

1:8,500 Meters

FIGURE	B.17
DATE	2024-05-27
PROJECT NO.	16462
AUTHOR	JS

Document Path: M:\Jeremy\s16462 - Spruce Grove Stormwater Master Plan\01_GIS\16462 - Map Book B - Existing System Results 5Y4H.mxd