

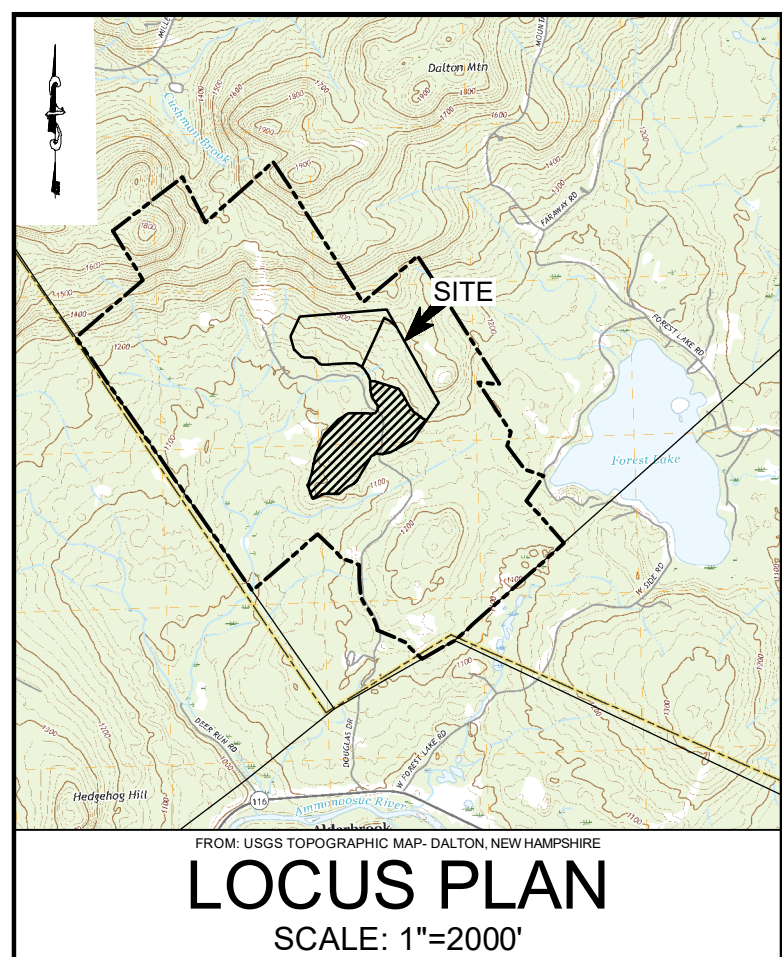
PRELIMINARY VIEWSHED ANALYSIS AND RENDERINGS

NEW ENGLAND WASTE SYSTEMS

GRANITE STATE LANDFILL

DALTON, NEW HAMPSHIRE
JANUARY 2021

SHEET INDEX



VIEWSHED ANALYSES		PHOTO RENDERINGS	
SHEET 1	EXISTING CONDITIONS VIEWSHED FROM OBSERVATION POINT 1	SHEET 9	OBSERVATION POINT 1 - EXISTING CONDITION
SHEET 2	PHASE I VIEWSHED FROM OBSERVATION POINT 1	SHEET 10	OBSERVATION POINT 1 - PHASE I
SHEET 3	PHASE II VIEWSHED FROM OBSERVATION POINT 1	SHEET 11	OBSERVATION POINT 1 - PHASE II
SHEET 4	PHASE III (FULL DEVELOPMENT) VIEWSHED FROM OBSERVATION POINT 1	SHEET 12	OBSERVATION POINT 1 - PHASE III (FULL DEVELOPMENT)
SHEET 5	EXISTING CONDITIONS VIEWSHED FROM OBSERVATION POINT 2	SHEET 13	OBSERVATION POINT 2 - EXISTING CONDITION
SHEET 6	PHASE I VIEWSHED FROM OBSERVATION POINT 2	SHEET 14	OBSERVATION POINT 2 - PHASE I
SHEET 7	PHASE II VIEWSHED FROM OBSERVATION POINT 2	SHEET 15	OBSERVATION POINT 2 - PHASE II
SHEET 8	PHASE III (FULL DEVELOPMENT) VIEWSHED FROM OBSERVATION POINT 2	SHEET 16	OBSERVATION POINT 2 - PHASE III (FULL DEVELOPMENT)

PREPARED FOR:

NEW ENGLAND WASTE SYSTEMS
DALTON, NEW HAMPSHIRE

PREPARED BY:

SANBORN HEAD

Existing Conditions Viewshed From Observation Point 1

Viewshed Analysis

Granite State Landfill
New England Waste Systems
Dalton, New Hampshire

Drawn By: E.Wright
Designed By: J. Grace
Reviewed By: B. Beaudoin
Project No: 1003.18
Date: January 2021

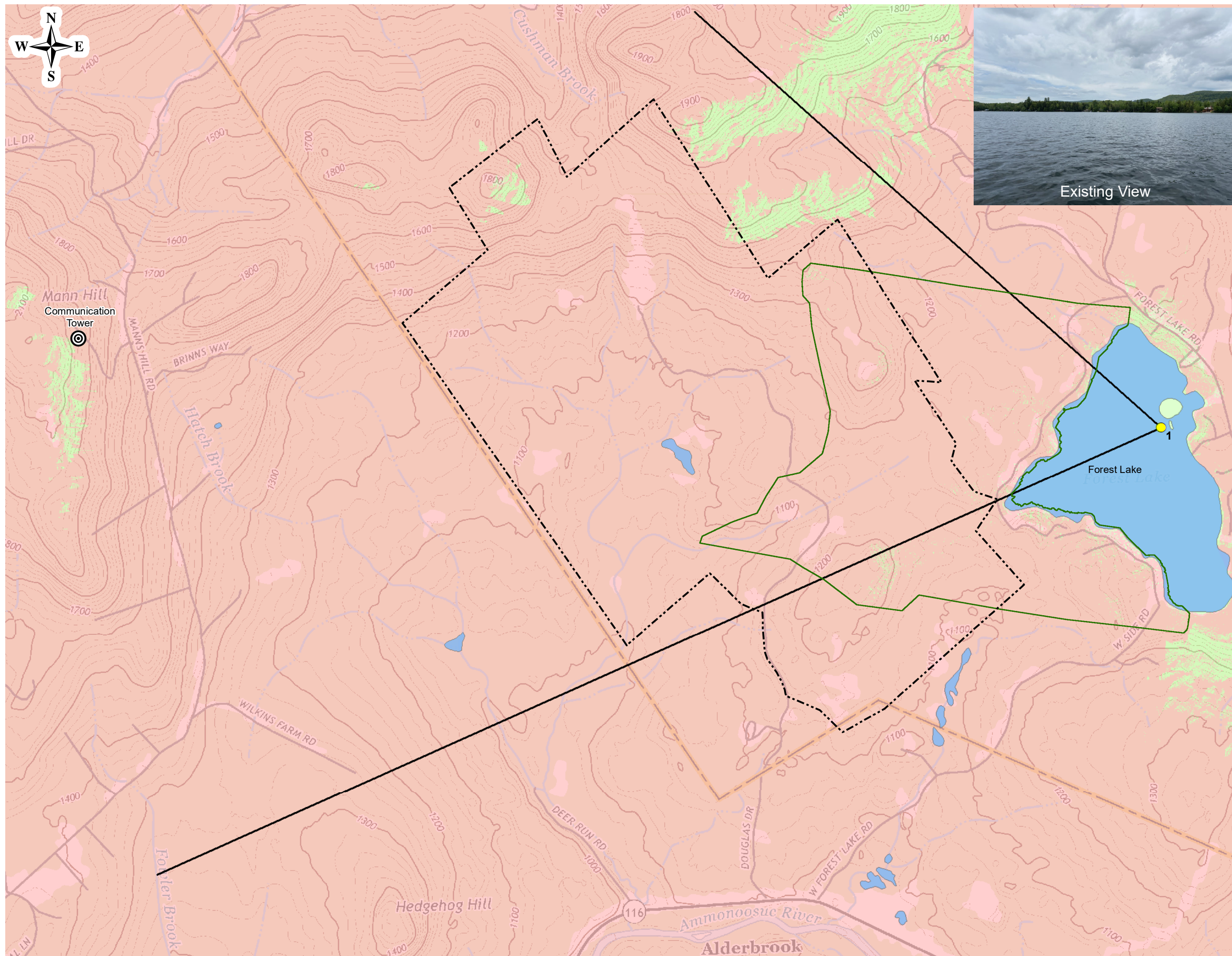
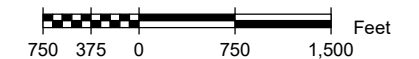


Figure Narrative

This figure shows the viewshed from the observation point shown on Forest Lake. It is based on approximate existing topography and LiDAR information representing the top of trees, roofs, and structures provided by ARE Corp on August 23, 2020.

Legend

- Project Property Line
- Approximate Extents of Photo View
- Tree Top LiDAR Area
- Observation Point
- NH Waterbody
- Area Not Visible from Observation Point
- Area Visible from Observation Point



Phase I Viewshed From Observation Point 1

Viewshed Analysis

Granite State Landfill
New England Waste Systems
Dalton, New Hampshire

Drawn By: E. Wright
Designed By: J. Grace
Reviewed By: B. Beaudoin
Project No: 1003.18
Date: January 2021



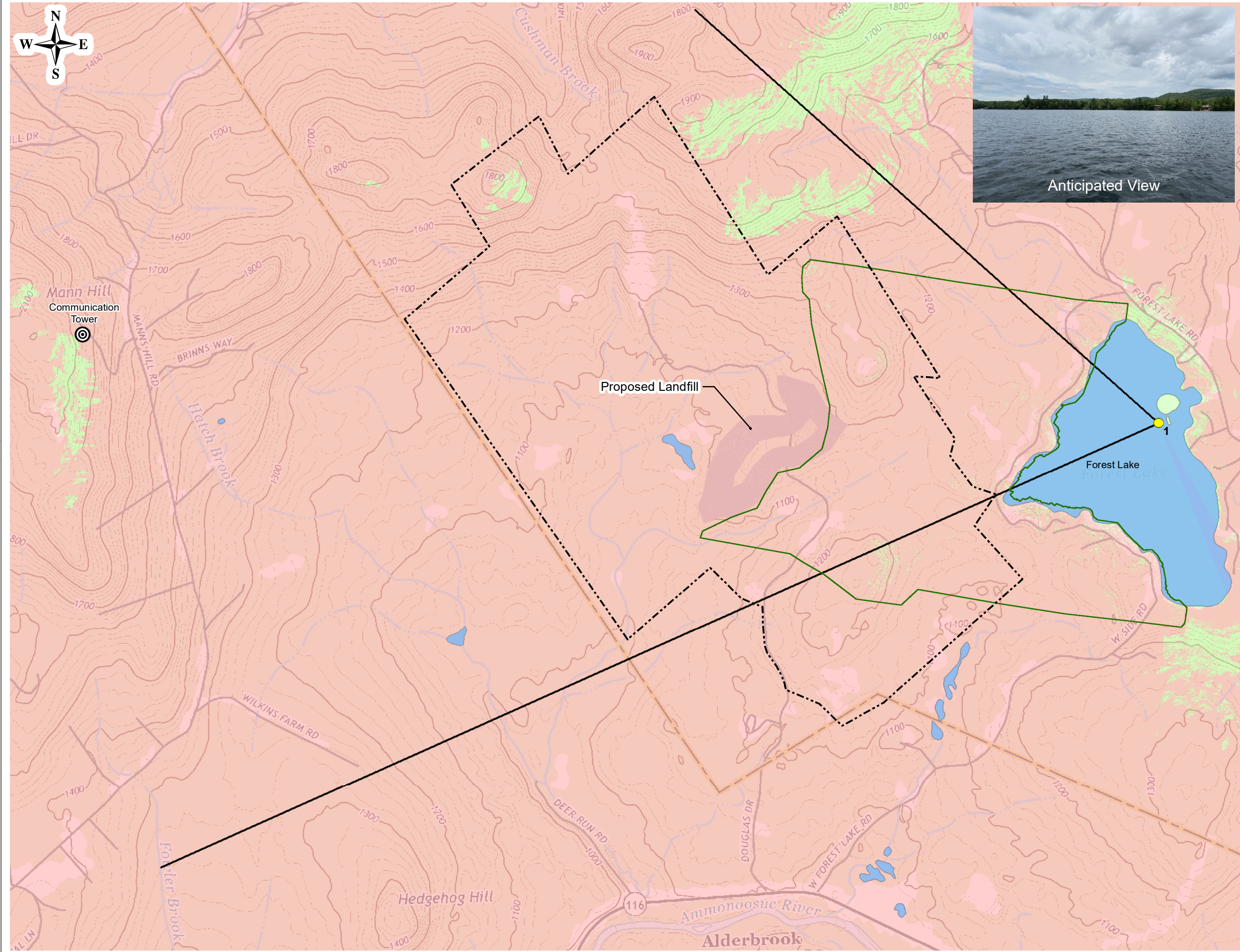
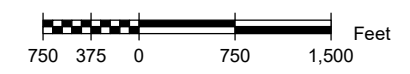
Anticipated View

Figure Narrative

This figure shows the viewshed from the observation point shown on Forest Lake. It is based on approximate existing topography and LiDAR information representing the top of trees, roofs, and structures provided by ARE Corp on August 23, 2020 merged with the proposed Phase I grades provided by CMA Engineers, Inc. of Portsmouth, NH on September 22, 2020. This viewshed is based on tree heights in August 2020. Growth of these relatively young trees is anticipated to continue and further decrease the visibility of the landfill from Forest Lake by the time the final landfill grades are achieved.

Legend

- Project Property Line
- Approximate Extents of Photo View
- Proposed Finished Landfill Topography
- Tree Top LiDAR Area
- Observation Point
- NH Waterbody
- Area Not Visible from Observation Point
- Area Visible from Observation Point



© 2021 SANBORN HEAD & ASSOCIATES, INC. Last Edited By: ewright Path: P:\1000s\1003.18\Graphics\Figures\Acclies\Figures\Viewshed\Viewshead_5cell.mxd

Phase II Viewshed From Observation Point 1

Viewshed Analysis

Granite State Landfill
New England Waste Systems
Dalton, New Hampshire

Drawn By: E.Wright
Designed By: J. Grace
Reviewed By: B. Beaudoin
Project No: 1003.18
Date: January 2021



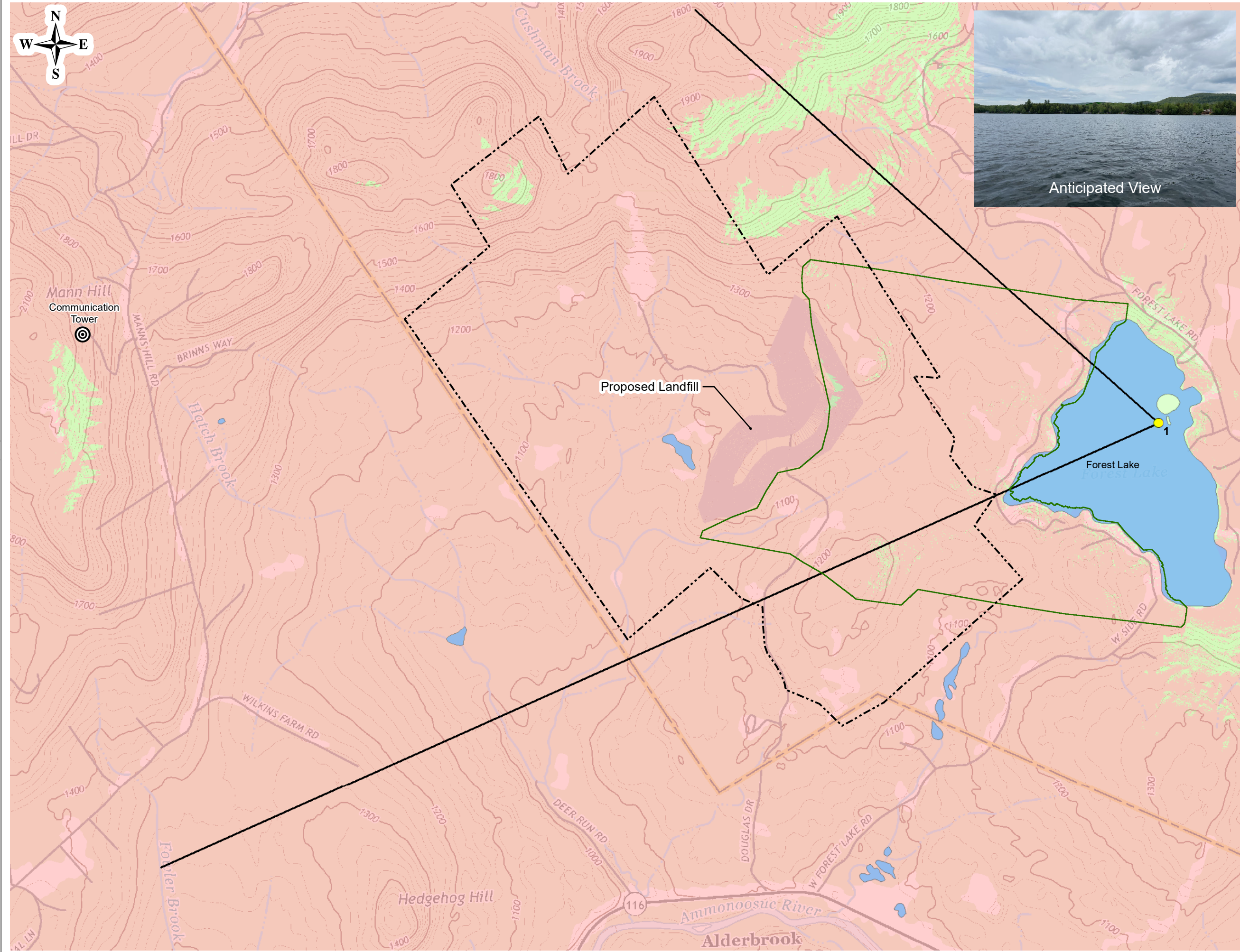
Anticipated View

Figure Narrative

This figure shows the viewshed from the observation point shown on Forest Lake. It is based on approximate existing topography and LiDAR information representing the top of trees, roofs, and structures provided by ARE Corp on August 23, 2020 merged with the proposed Phase II grades provided by CMA Engineers, Inc. of Portsmouth, NH on September 22, 2020. This viewshed is based on tree heights in August 2020. Growth of these relatively young trees is anticipated to continue and further decrease the visibility of the landfill from Forest Lake by the time the final landfill grades are achieved.

Legend

- Project Property Line
- Approximate Extents of Photo View
- Proposed Finished Landfill Topography
- Tree Top LiDAR Area
- Observation Point
- NH Waterbody
- Area Not Visible from Observation Point
- Area Visible from Observation Point



© 2021 SANBORN HEAD & ASSOCIATES, INC. Last Edited By: ewright Path: P:\1000s\1003.18\Graphics\Figures\Acclines\Figures\Viewshed\Viewsheds_Scell.mxd

Phase III (Full Development) Viewshed From Observation Point 1

Viewshed Analysis

Granite State Landfill
New England Waste Systems
Dalton, New Hampshire

Drawn By: E.Wright
Designed By: J. Grace
Reviewed By: B. Beaudoin
Project No: 1003.18
Date: January 2021



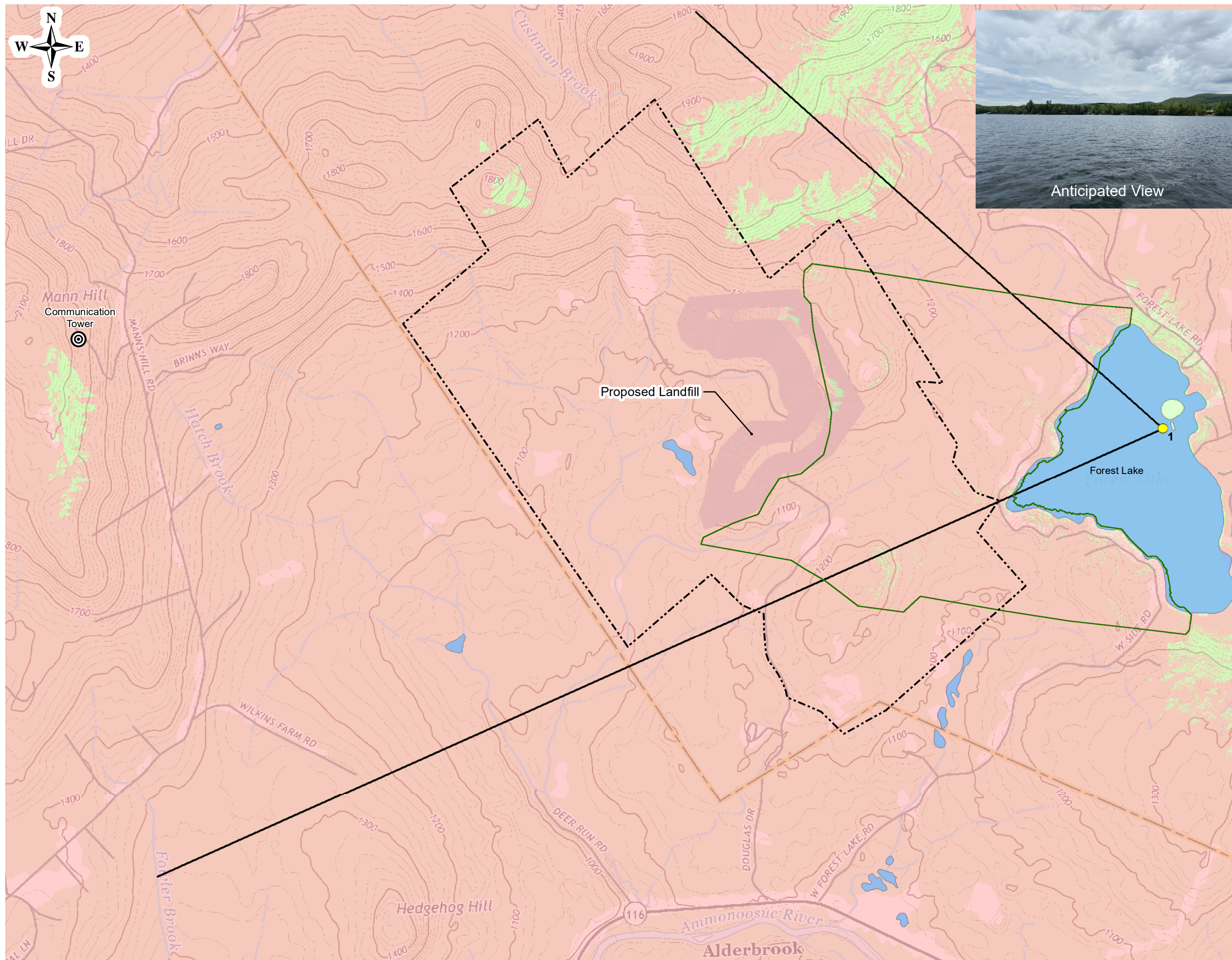
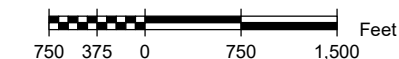
Anticipated View

Figure Narrative

This figure shows the viewshed from the observation point shown on Forest Lake. It is based on approximate existing topography and LiDAR information representing the top of trees, roofs, and structures provided by ARE Corp on August 23, 2020 merged with the proposed Phase III grades provided by CMA Engineers, Inc. of Portsmouth, NH on September 1, 2020. This viewshed is based on tree heights in August 2020. Growth of these relatively young trees is anticipated to continue and further decrease the visibility of the landfill from Forest Lake by the time the final landfill grades are achieved.

Legend

- Project Property Line
- Approximate Extents of Photo View
- Proposed Finished Landfill Topography
- Tree Top LiDAR Area
- Observation Point
- NH Waterbody
- Area Not Visible from Observation Point
- Area Visible from Observation Point



© 2021 SANBORN HEAD & ASSOCIATES, INC. Path: P:\1000s\1003.18\Graphics\Figures\Acclines\Figures\Viewshed\Viewshed_5cell.mxd Last Edited By: ewright

Existing Conditions Viewshed From Observation Point 2

Viewshed Analysis

Granite State Landfill
New England Waste Systems
Dalton, New Hampshire

Drawn By: E.Wright
Designed By: J. Grace
Reviewed By: B. Beaudoin
Project No: 1003.18
Date: January 2021

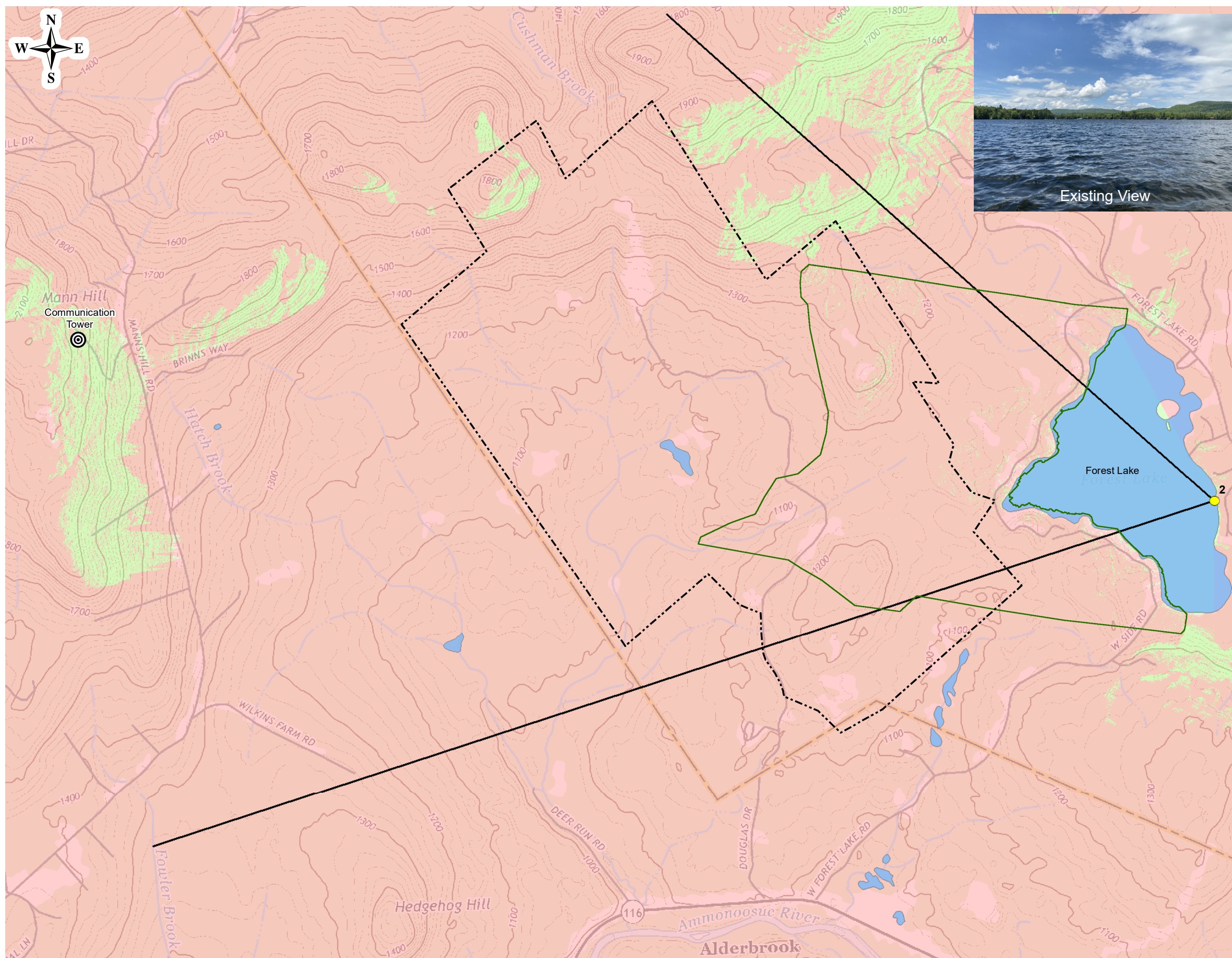


Figure Narrative

This figure shows the viewshed from the observation point shown on Forest Lake. It is based on approximate existing topography and LiDAR information representing the top of trees, roofs, and structures provided by ARE Corp on August 23, 2020.

Legend

- Project Property Line
- Approximate Extents of Photo View
- Tree Top LiDAR Area
- Observation Point
- NH Waterbody
- Area Not Visible from Observation Point
- Area Visible from Observation Point



Phase I Viewshed From Observation Point 2

Viewshed Analysis

Granite State Landfill
New England Waste Systems
Dalton, New Hampshire

Drawn By: E.Wright
Designed By: J. Grace
Reviewed By: B. Beaudoin
Project No: 1003.18
Date: January 2021



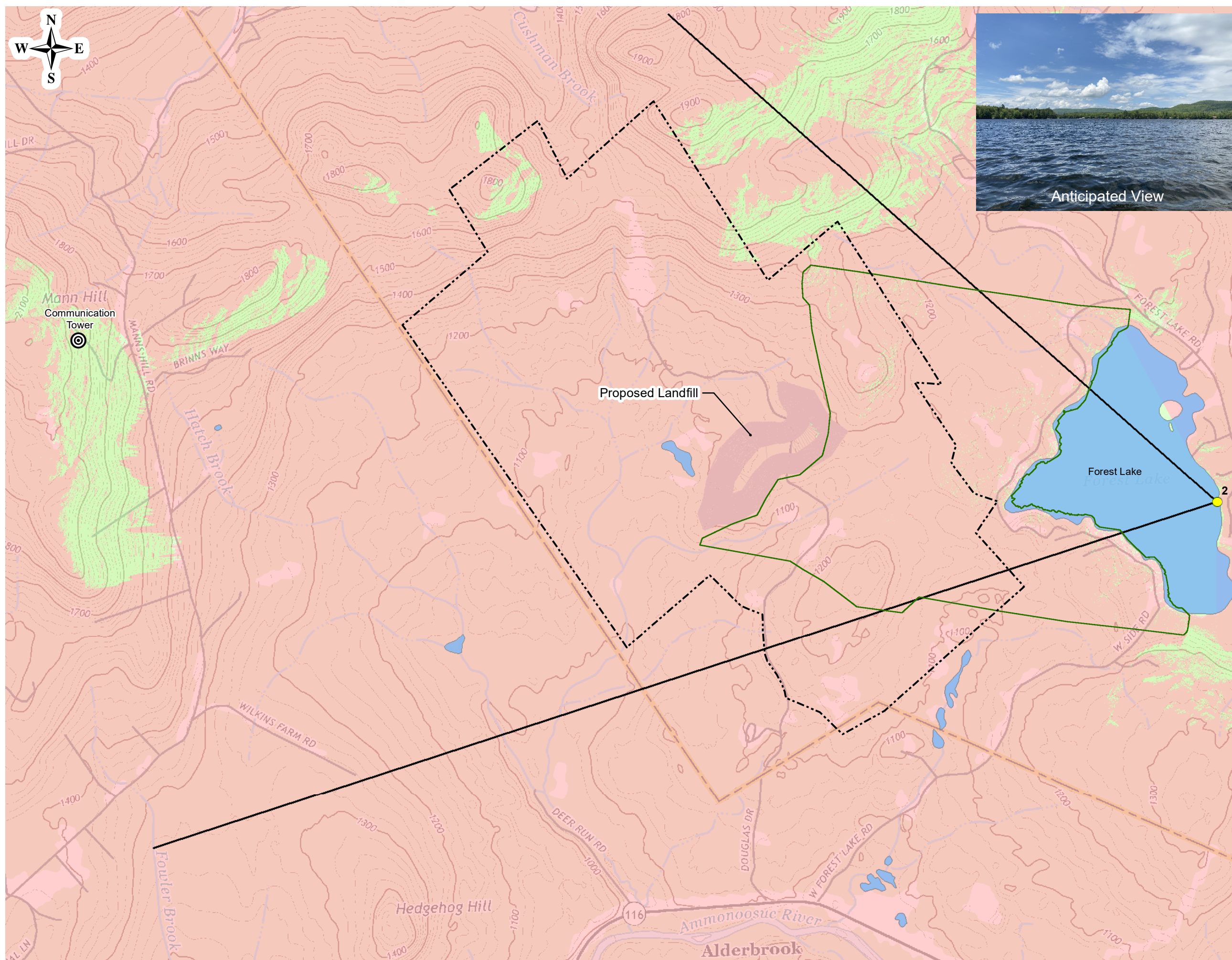
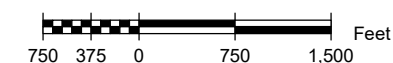
Anticipated View

Figure Narrative

This figure shows the viewshed from the observation point shown on Forest Lake. It is based on approximate existing topography and LiDAR information representing the top of trees, roofs, and structures provided by ARE Corp on August 23, 2020 merged with the proposed Phase I grades provided by CMA Engineers, Inc. of Portsmouth, NH on September 22, 2020. This viewshed is based on tree heights in August 2020. Growth of these relatively young trees is anticipated to continue and further decrease the visibility of the landfill from Forest Lake by the time the final landfill grades are achieved.

Legend

- Project Property Line
- Approximate Extents of Photo View
- Proposed Finished Landfill Topography
- Tree Top LiDAR Area
- Observation Point
- NH Waterbody
- Area Not Visible from Observation Point
- Area Visible from Observation Point



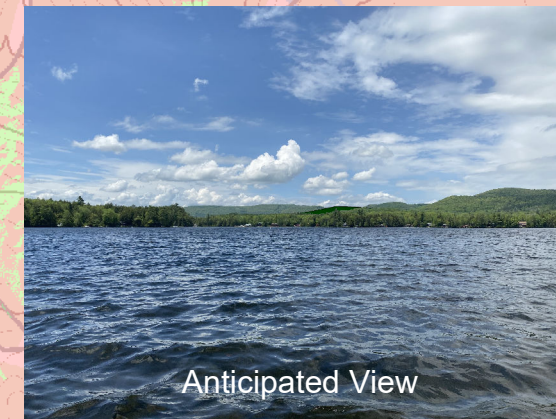
© 2021 SANBORN HEAD & ASSOCIATES, INC. Last Edited By: ewright Path: P:\1000s\1003.18\Graphics\Figures\Arcfiles\Figures\Viewshed\Viewsheads_Scell.mxd

Phase II Viewshed From Observation Point 2

Viewshed Analysis

Granite State Landfill
New England Waste Systems
Dalton, New Hampshire

Drawn By: E.Wright
Designed By: J. Grace
Reviewed By: B. Beaudoin
Project No: 1003.18
Date: January 2021



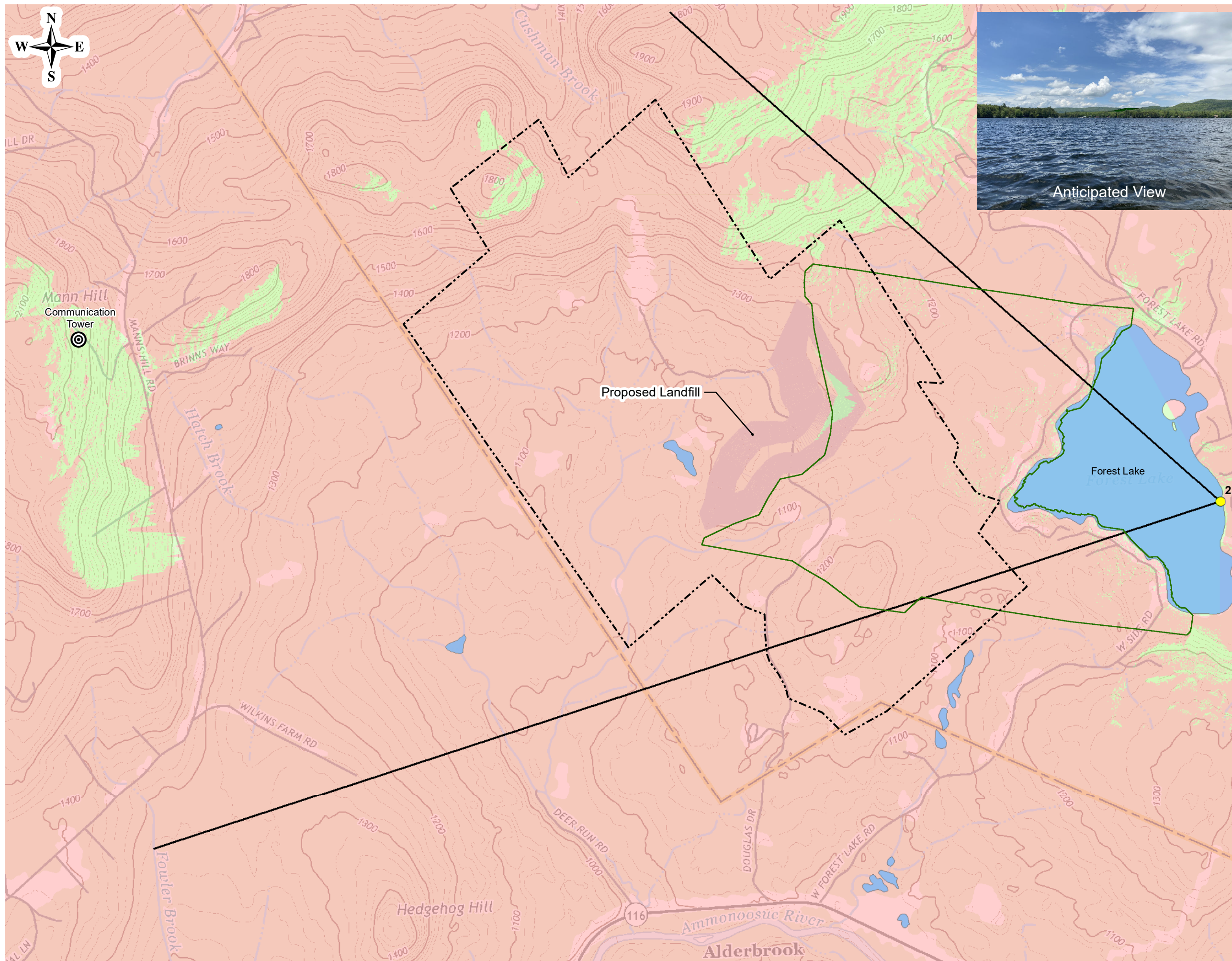
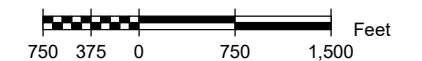
Anticipated View

Figure Narrative

This figure shows the viewshed from the observation point shown on Forest Lake. It is based on approximate existing topography and LiDAR information representing the top of trees, roofs, and structures provided by ARE Corp on August 23, 2020 merged with the proposed Phase II grades provided by CMA Engineers, Inc. of Portsmouth, NH on September 22, 2020. This viewshed is based on tree heights in August 2020. Growth of these relatively young trees is anticipated to continue and further decrease the visibility of the landfill from Forest Lake by the time the final landfill grades are achieved.

Legend

- Project Property Line
- Approximate Extents of Photo View
- Proposed Finished Landfill Topography
- Tree Top LiDAR Area
- Observation Point
- NH Waterbody
- Area Not Visible from Observation Point
- Area Visible from Observation Point



© 2021 SANBORN HEAD & ASSOCIATES, INC.

Last Edited By: ewright

Path: P:\1000s\1003.18\Graphics\Files\Arcfiles\Figures\Viewshed\Viewshead_Scull.mxd

Phase III (Full Development) Viewshed From Observation Point 2

Viewshed Analysis

Granite State Landfill
New England Waste Systems
Dalton, New Hampshire

Drawn By: E.Wright
Designed By: J. Grace
Reviewed By: B. Beaudoin
Project No: 1003.18
Date: January 2021



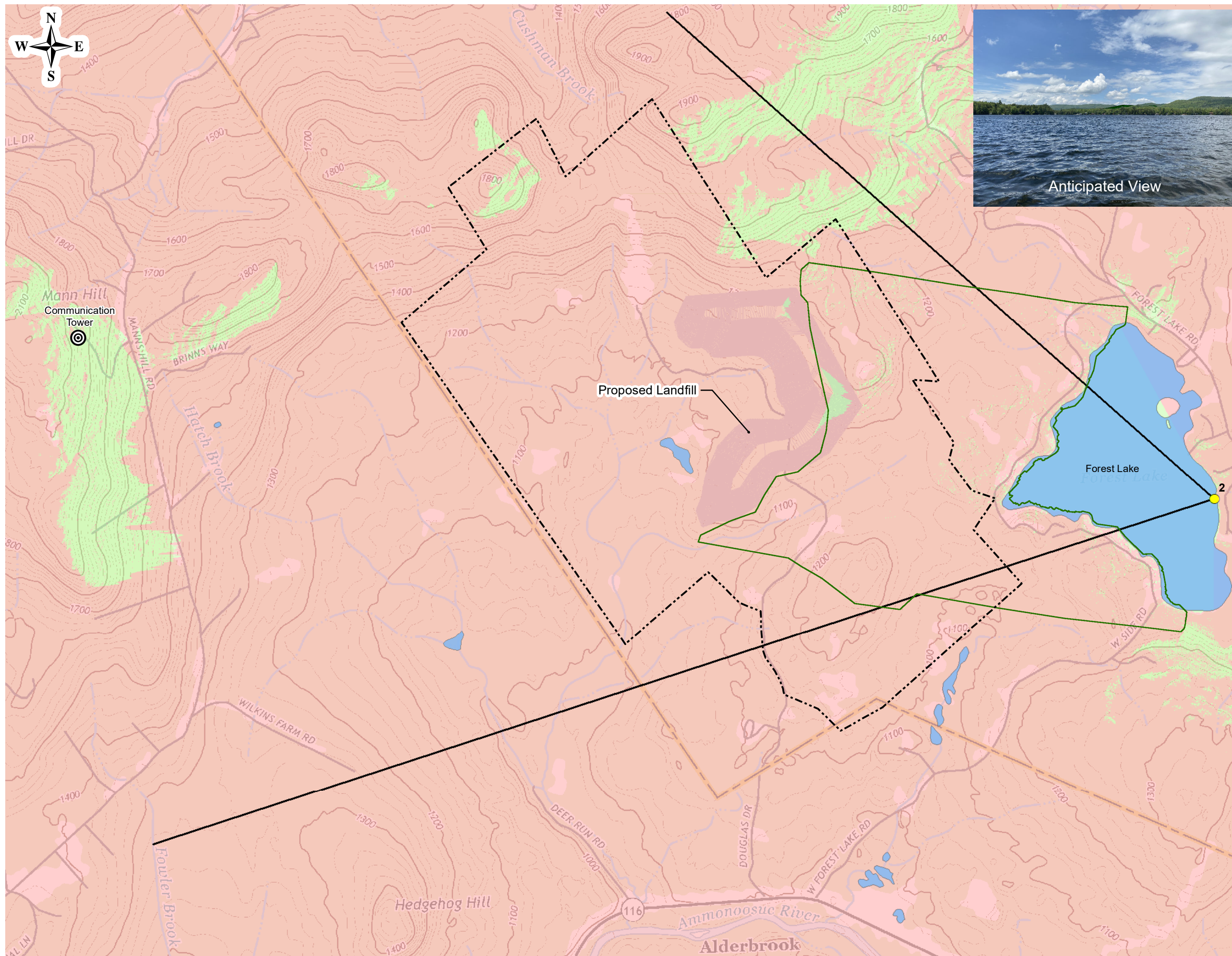
Anticipated View

Figure Narrative

This figure shows the viewshed from the observation point shown on Forest Lake. It is based on approximate existing topography and LiDAR information representing the top of trees, roofs, and structures provided by ARE Corp on August 23, 2020 merged with the proposed Phase III grades provided by CMA Engineers, Inc. of Portsmouth, NH on September 1, 2020. This viewshed is based on tree heights in August 2020. Growth of these relatively young trees is anticipated to continue and further decrease the visibility of the landfill from Forest Lake by the time the final landfill grades are achieved.

Legend

- Project Property Line
- Approximate Extents of Photo View
- Proposed Finished Landfill Topography
- Tree Top LiDAR Area
- Observation Point
- NH Waterbody
- Area Not Visible from Observation Point
- Area Visible from Observation Point



Observation Point 1 – Taken from West Side of Island in Forest Lake



Existing Condition

Sheet 9

Observation Point 1 – Taken from West Side of Island in Forest Lake



Observation Point 1 – Taken from West Side of Island in Forest Lake



Observation Point 1 – Taken from West Side of Island in Forest Lake



Observation Point 2 – Taken on Southeast Side of Forest Lake



Existing Condition

Sheet 13

Observation Point 2 – Taken on Southeast Side of Forest Lake



Observation Point 2 – Taken on Southeast Side of Forest Lake



Observation Point 2 – Taken on Southeast Side of Forest Lake



Phase III (Full Development)

Sheet 16