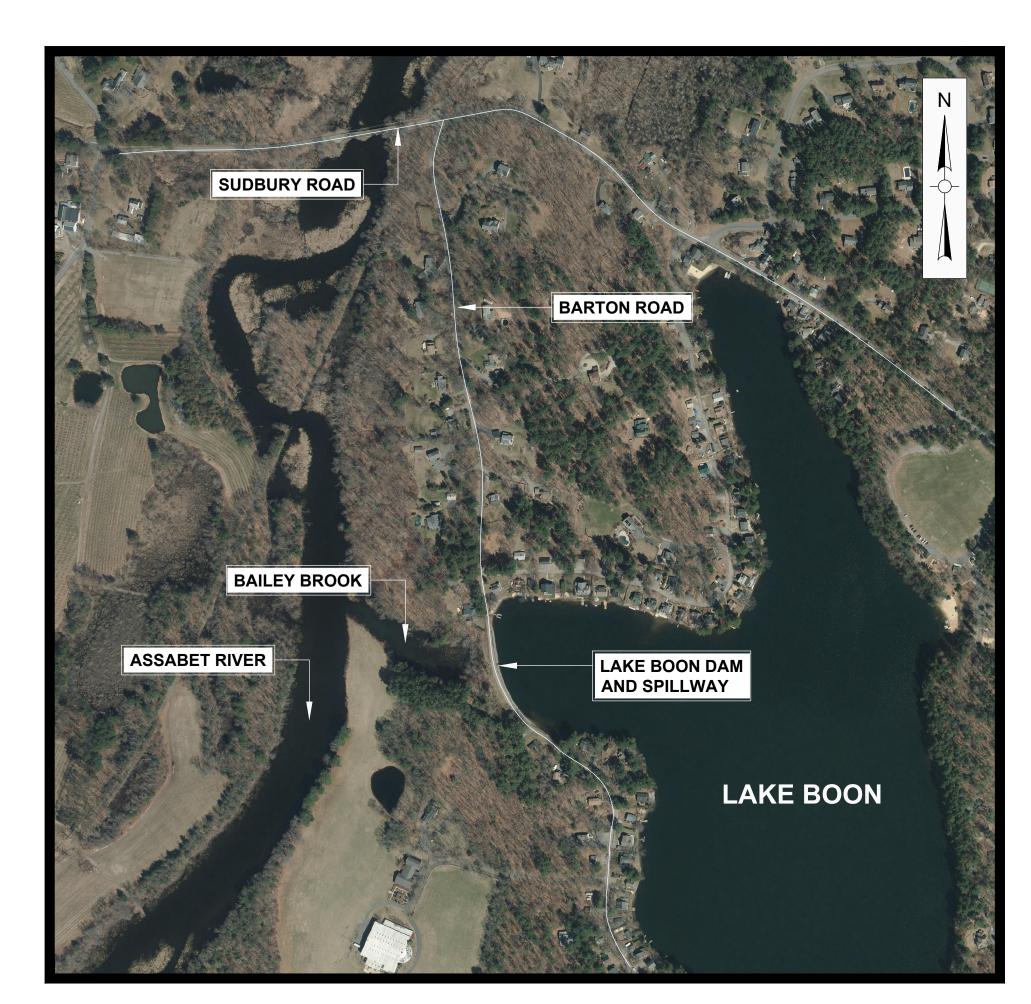
SITE LOCATION SITE LOCATION NATION PROMITS OF THE PROMITS OF THE

LOCUSSCALE: 1" = 3000



AERIAL SCALE: 1" = 400

TOWN OF STOW, MASSACHUSETTS



LAKE BOON DAM REHABILITATION PROJECT

JANUARY 2023 SPECIAL SELECT BOARD MEETING

NATIONAL DAM I.D. NUMBER:

DAM OWNER:

MA00137

TOWN OF STOW, MASSACHUSETTS

REGULATORY AUTHORITY:

MA DCR, OFFICE OF DAM SAFETY

STATE SIZE CLASSIFICATION:

LARGE

STATE HAZARD POTENTIAL CLASSIFICATION:

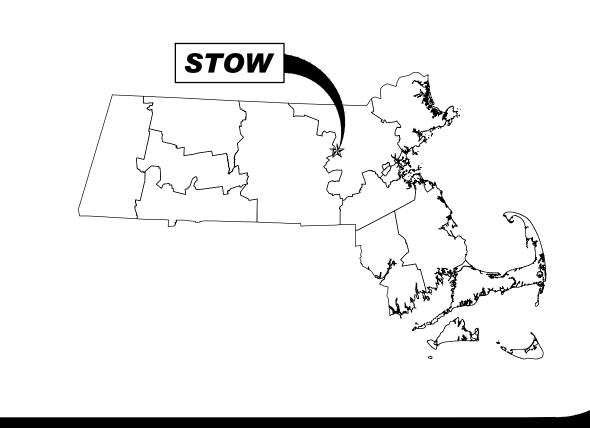
SIGNIFICANT

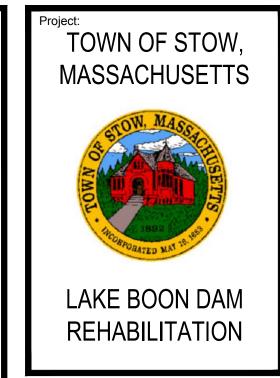
PROJECT DESIGN ENGINEER:

WESTON & SAMPSON ENGINEERS, INC.



Weston & Sampson Engineers, Inc. 55 Walkers Brook Drive, Reading, MA 01867





Weston & Sampson

Weston & Sampson Engineers, Inc. 55 Walkers Brook Drive, Suite 100 Reading, MA 01867 978.532.1900 800.SAMPSON www.westonandsampson.com

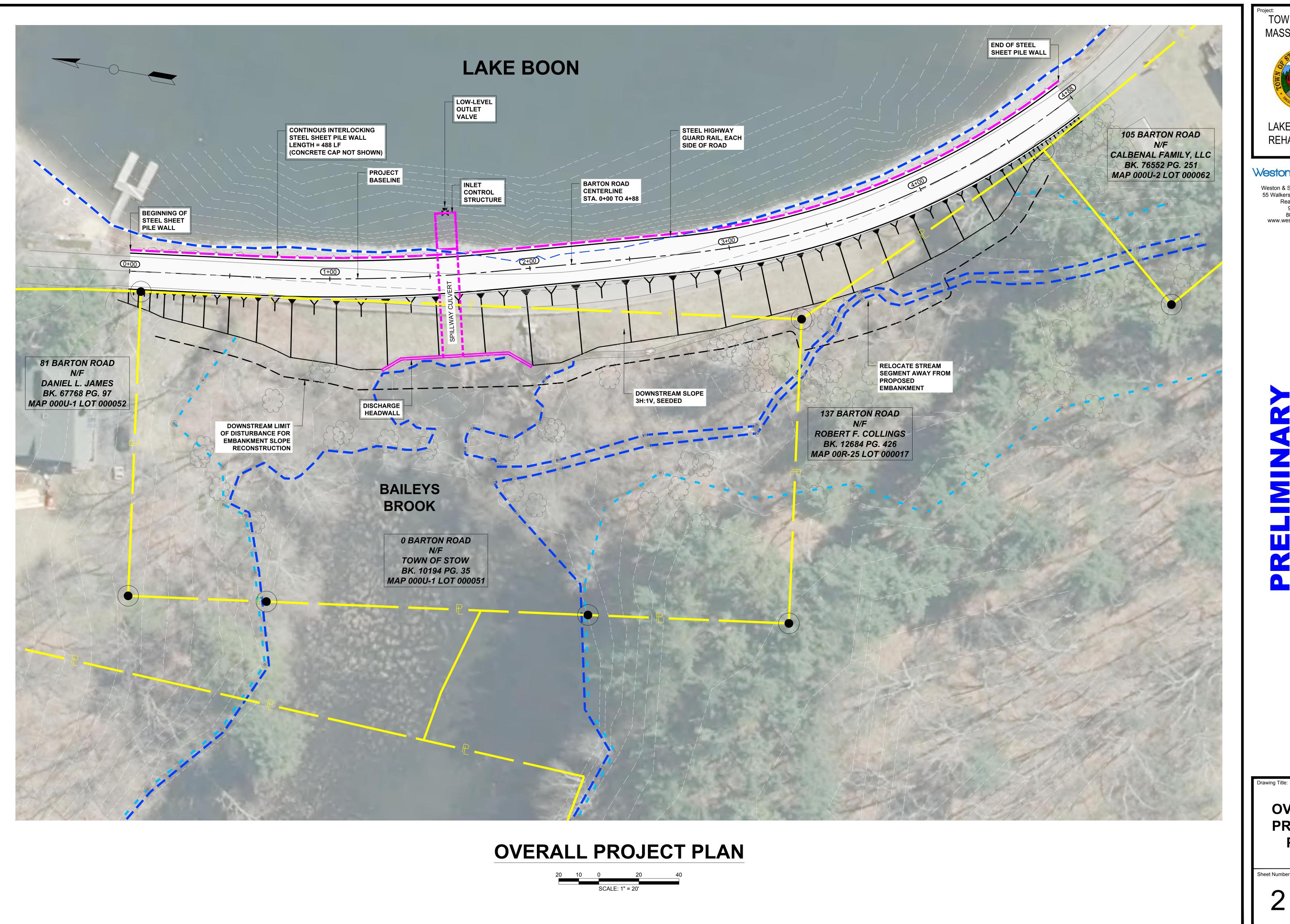
NOT FOR CONSTRUCTION

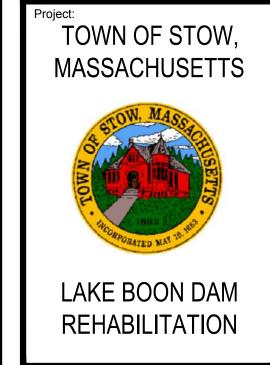
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EXISTING SITE OVERVIEW

Sheet Number:

1 of 5





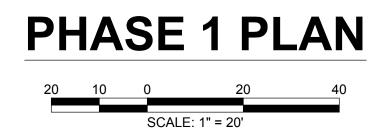
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OVERALL PROJECT PLAN

2 of 5

PHASE 1 CONSTRUCTION OVERVIEW:

- 1. INSTALL PERMANENT STEEL SHEET PILE WALL.
- 2. INSTALL TEMPORARY SHEET PILE COFFERDAM AT PROPOSED SPILLWAY LOCATION.
- 3. BACKFILL GAP BETWEEN SHEET PILE AND EXISTING EDGE OF ROAD.





RASTER IMAGE OF TYPICAL PERMANENT STEEL PILING APPLICATION FOR DAM IMPROVEMENTS



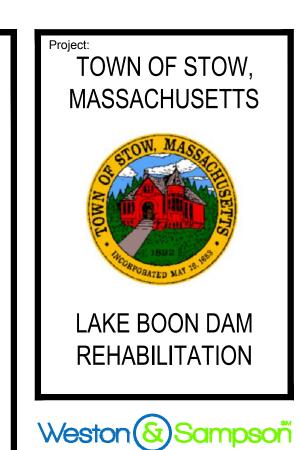
ILLUSTRATION OF CLEARANCE REQUIRED FOR FIXED-MAST PILING INSTALLATION EQUIPMENT



CONCRETE BEAM CAP CONSTRUCTED OVER SHEET PILE WALL (ARLINGTON RESERVOIR DAM, 2005)



CONCRETE BEAM CAP UNDER CONSTRUCTION (ARLINGTON RESERVOIR DAM, 2005)



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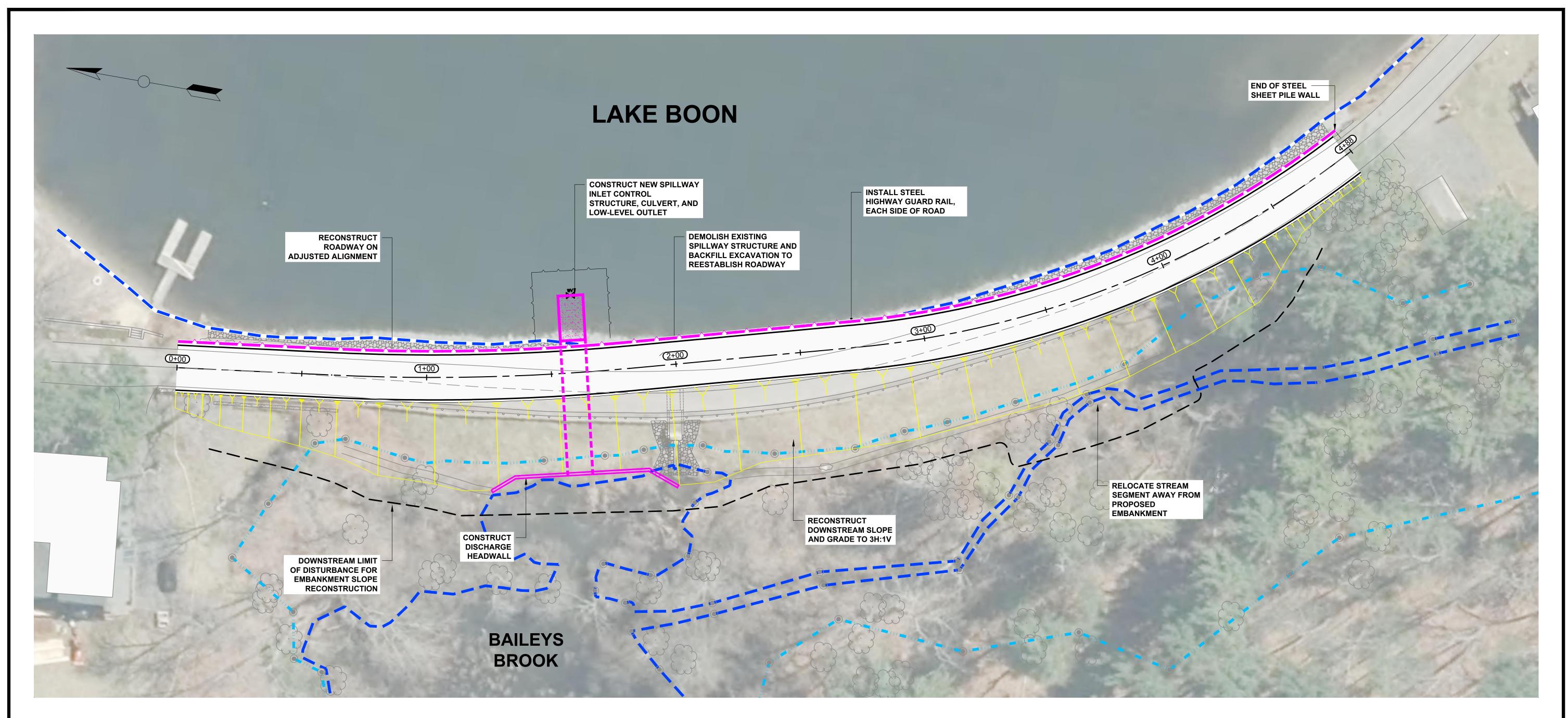
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PHASE 1
CONST.
PLAN

Sheet Number:

3 of 5

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TOWN OF STOW,

MASSACHUSETTS

LAKE BOON DAM

REHABILITATION

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PHASE 2 CONSTRUCTION OVERVIEW:

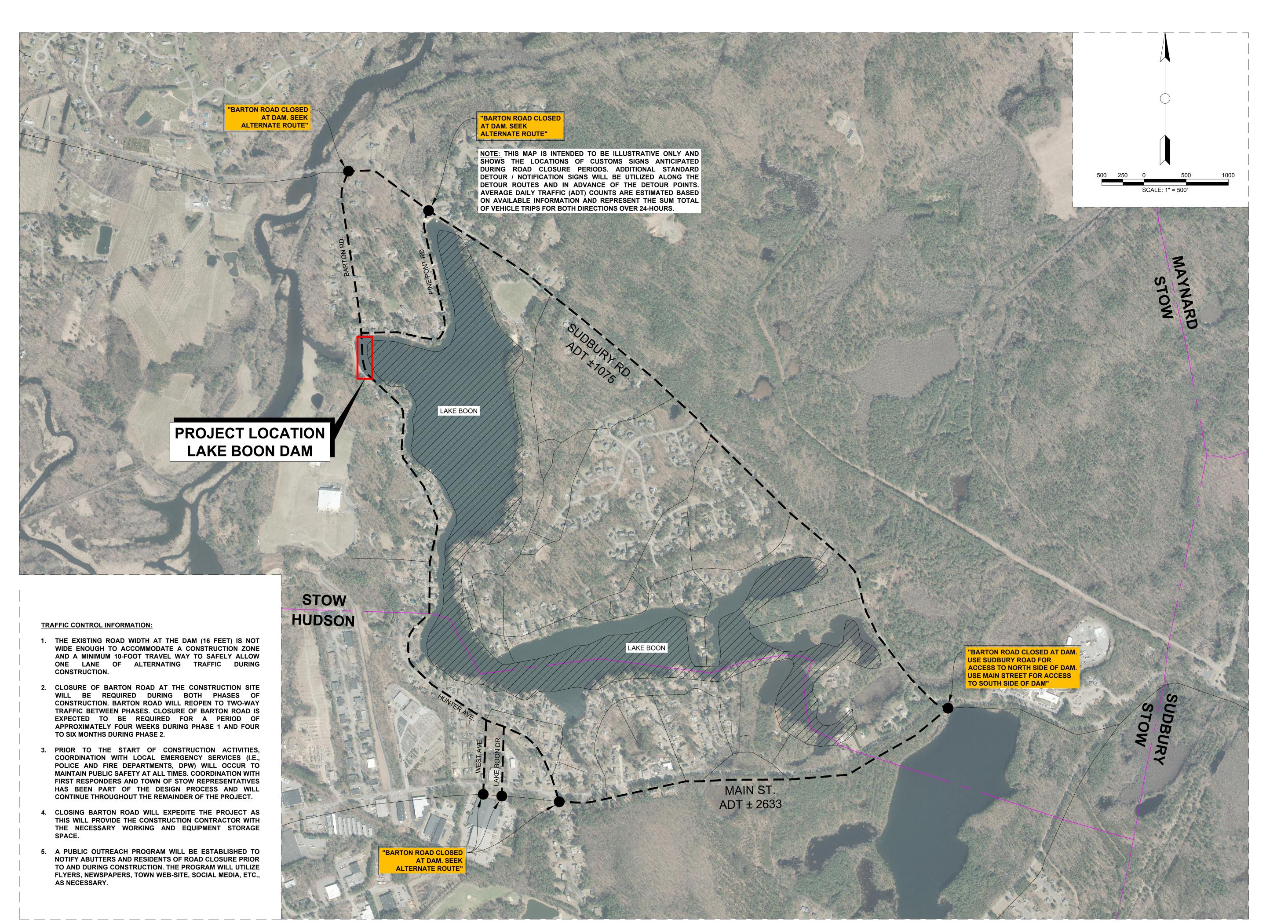
- CONSTRUCT NEW SPILLWAY.
- 2. DIVERT FLOW FROM EXISTING SPILLWAY TO NEW SPILLWAY.
- 3. DEMOLISH EXISTING SPILLWAY AND CLOSE RESULTING GAP IN EMBANKMENT.
- 4. RECONSTRUCT DOWNSTREAM EMBANKMENT SLOPE AND PERFORM ASSOCIATED SITE IMPROVEMENTS.
- 5. RECONSTRUCT ROADWAY ALONG ADJUSTED ALIGNMENT, FOLLOWING NEW SHEET PILE WALL.

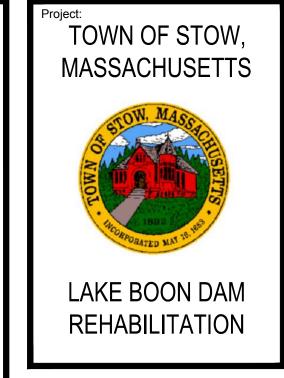


Drawing Title:

PHASE 2 CONST. **PLAN**

Sheet Number:





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Drawing Title:

TRAFFIC CONTROL SCHEMATIC

Sheet Number:

5 of 5