



May 26, 2023

Patrick Gallagher, Chair
Franklin Conservation Commission
355 E Central Street
Franklin, MA 02038

Re: Request for Minor Plan Change
MassDEP File No. 159-1264
Grove Street Shared Use Path & Roadway Improvements
Franklin, MA

Dear Chairperson Gallagher and Commissioners:

On behalf of the Town of Franklin Department of Public Works (DPW), BETA Group, Inc. (BETA) is submitting this Request for a Minor Plan Change in association with Phase 2 of the Grove Street Shared Use Path & Improvements Project (the Project). The Project received an Order of Conditions (OOC) from the Franklin Conservation Commission on April 10, 2023.

Following the issuance of the OOC and receiving the Town's comments on the 100% design, it was determined that a rock fill slope would be preferable to the originally proposed retaining wall at Station 47+00. A rock fill slope would offer far lower construction costs and present a safer alternative that does not create a sudden drop-off along a pedestrian route. The proposed slope would result in 59 square feet of BVW fill opposed to the 29 square feet permitted at this location under the original design. The new total area of permanent BVW impacts being proposed is 62 square feet, which also accounts for the 3 square feet of impacts associated with the placement of stone along an outfall.

Although permanent impacts have been increased, temporary BVW impacts at this location have been reduced from 813 square feet to 260 square feet since the extent of staging required for wall construction will not be required. Under this revised design, the wetland replication area is being increased to 124 square feet as depicted on the attached wetland replication/restoration plan to maintain compliance with the 2:1 replication requirement of the Bylaw. To account for the increase in the size of the replication area, three (3) additional silky dogwood (*Cornus amomum*) plantings are proposed. All temporarily impacted areas of BVW will be restored in place as described in the original Notice of Intent submission.

We look forward to discussing this at your next available public meeting and trust that this documentation is sufficient to secure a minor change to the plans of record without requiring the submission of a request for an Amended OOC. Should you have any additional questions, please do not hesitate to contact us.

Patrick Gallagher, Chair
May 26, 2023
Page 2 of 2

Very truly yours,
BETA Group, Inc.



Jonathan Niro
Project Scientist



Benjamin Boynton, P.E.
Senior Project Manager

Attachments:

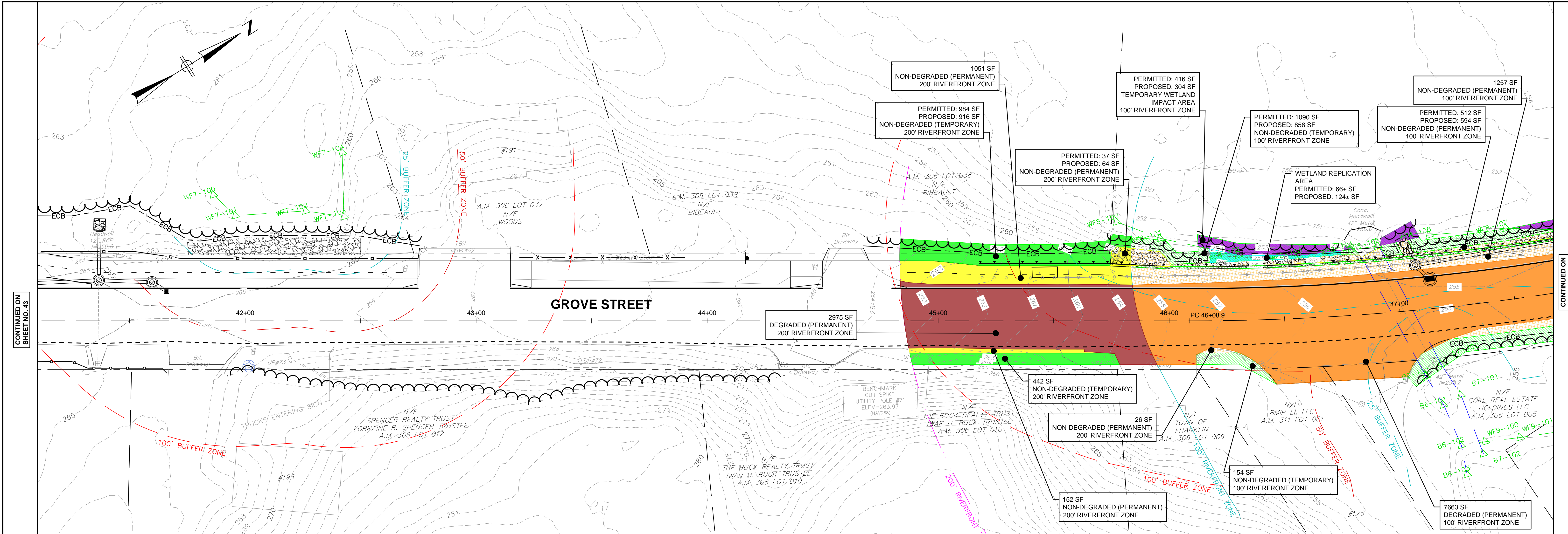
Attachment A: Revised Plan Sheets

cc: Michael Maglio, P.E., Town of Franklin
Robert Cantoreggi, Town of Franklin
William McGrath, BETA
Laura Krause, BETA

Job No: 22.10613.00



5/24/2023 12:27 PM \\BETA-INC.COM\MAPPROJECTS\1060\510613 - FRANKLIN, MA - GROVE ST ROADWAY DESIGN PHASE ZDRAWING FILES\PLANS\7548_RESOURCE AREA PLANS.DWG (BETA STB.BW.STB)



CONTINUED ON SHEET NO. 43

CONTINUED ON SHEET NO. 45

RESOURCE AREA LEGEND	
LINETYPE/HATCH	DESCRIPTION
	WETLAND BOUNDARY
	BANK BOUNDARY
	LIMIT OF 25 FT WETLAND BUFFER ZONE
	LIMIT OF 50 FT WETLAND BUFFER ZONE
	LIMIT OF 100 FT WETLAND BUFFER ZONE
	LIMIT OF 200 FT RIVERFRONT ZONE
	100 YEAR FLOOD ZONE
	100 YEAR FLOOD PLAIN IMPACT
	TEMPORARY WETLAND IMPACT
	PERMANENT WETLAND IMPACT
	WETLAND REPLICATION AREA
	PERMANENT DEGRADED 100' RIVERFRONT
	PERMANENT NON-DEGRADED 100' RIVERFRONT
	TEMPORARY NON-DEGRADED 100' RIVERFRONT
	PERMANENT DEGRADED 200' RIVERFRONT
	PERMANENT NON-DEGRADED 200' RIVERFRONT
	TEMPORARY NON-DEGRADED 200' RIVERFRONT

NUMBER	DATE	MADE BY	CHECKED BY	REVISIONS

DRAWN BY:
CL

DESIGNED BY:
RS

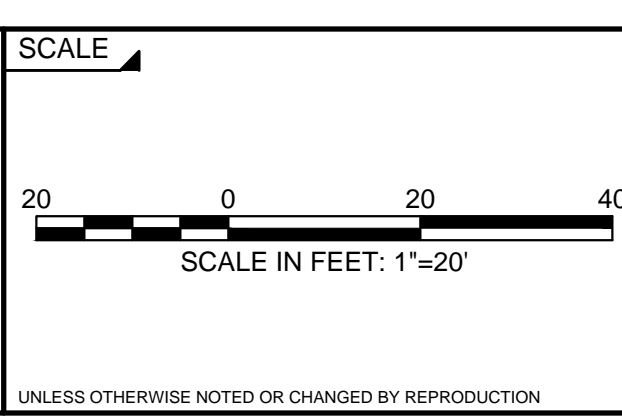
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TITLE

GROVE STREET IMPROVEMENTS

RESOURCE AREA PLAN 7

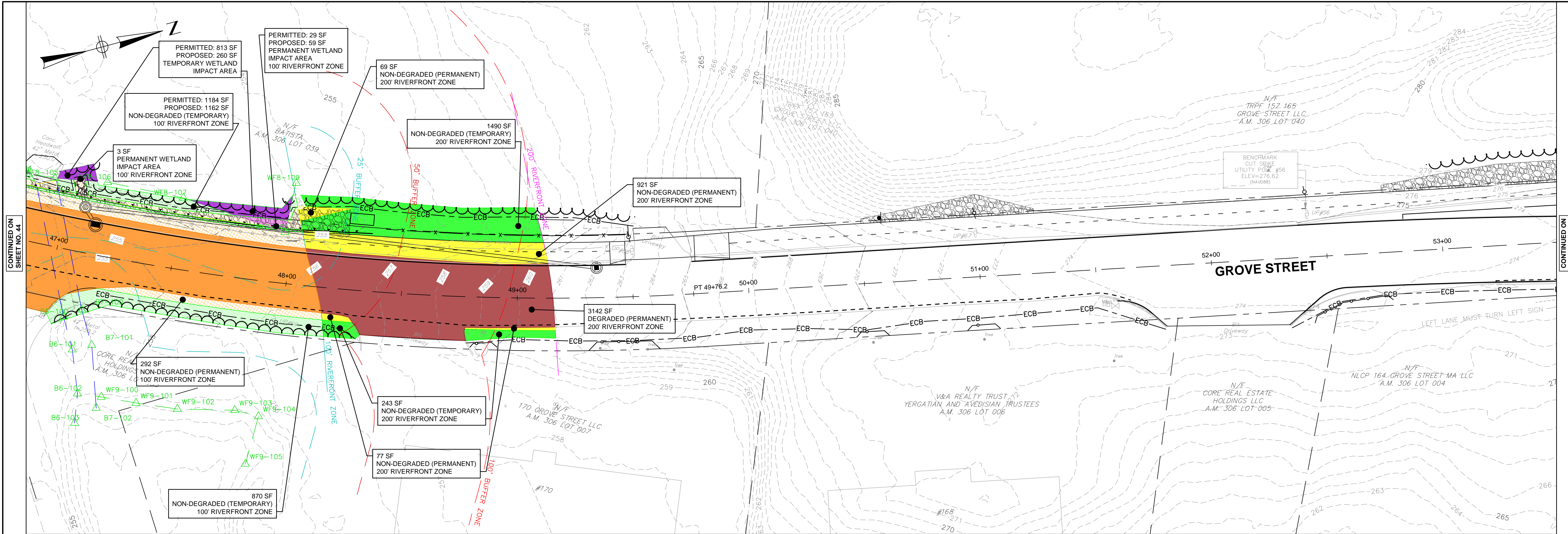
FRANKLIN, MA

BETA JOB NO. 10613

ISSUE DATE 02/2023

SHEET NO. 44

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CONTINUED ON SHEET NO. 44

CONTINUED ON SHEET NO. 46

RESOURCE AREA LEGEND	
LINETYPE/ HATCH	DESCRIPTION
WF	WETLAND BOUNDARY
BF	BANK BOUNDARY
(Orange dashed line)	LIMIT OF 25 FT WETLAND BUFFER ZONE
(Red dashed line)	LIMIT OF 50 FT WETLAND BUFFER ZONE
(Pink dashed line)	LIMIT OF 100 FT WETLAND BUFFER ZONE
(Purple dashed line)	LIMIT OF 200 FT RIVERFRONT ZONE
(Blue dashed line)	100 YEAR FLOOD ZONE
(Blue hatched)	100 YEAR FLOOD PLAIN IMPACT
(Purple hatched)	TEMPORARY WETLAND IMPACT
(Green hatched)	PERMANENT WETLAND IMPACT
(Cyan hatched)	WETLAND REPLICATION AREA
(Orange hatched)	PERMANENT DEGRADED 100' RIVERFRONT
(Yellow hatched)	PERMANENT NON-DEGRADED 100' RIVERFRONT
(Green hatched)	TEMPORARY NON-DEGRADED 100' RIVERFRONT
(Red hatched)	PERMANENT DEGRADED 200' RIVERFRONT
(Yellow hatched)	PERMANENT NON-DEGRADED 200' RIVERFRONT
(Green hatched)	TEMPORARY NON-DEGRADED 200' RIVERFRONT

NUMBER	DATE	MADE BY	CHECKED BY	REVISIONS

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RS

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BB

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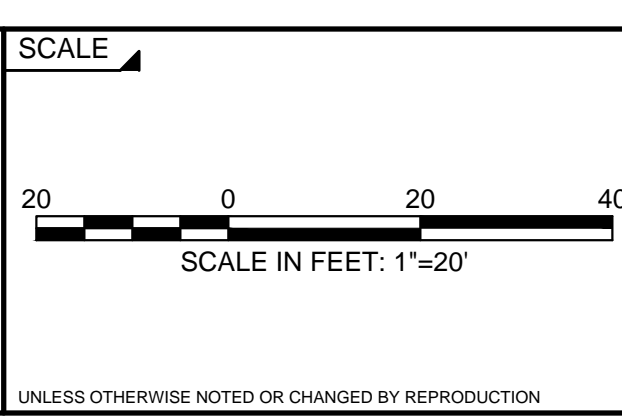
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TITLE

GROVE STREET IMPROVEMENTS

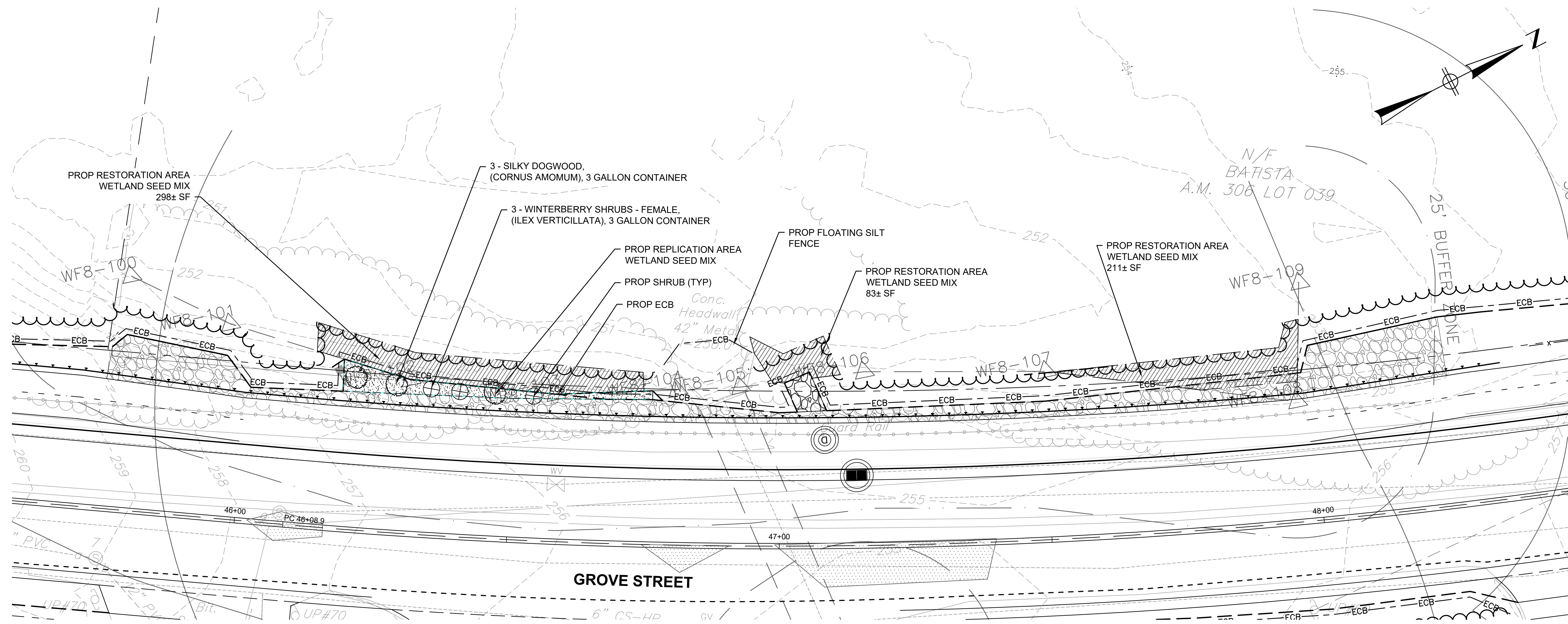
RESOURCE AREA PLAN 8

FRANKLIN, MA

BETA JOB NO. 10613

ISSUE DATE 02/2023

SHEET NO. 45

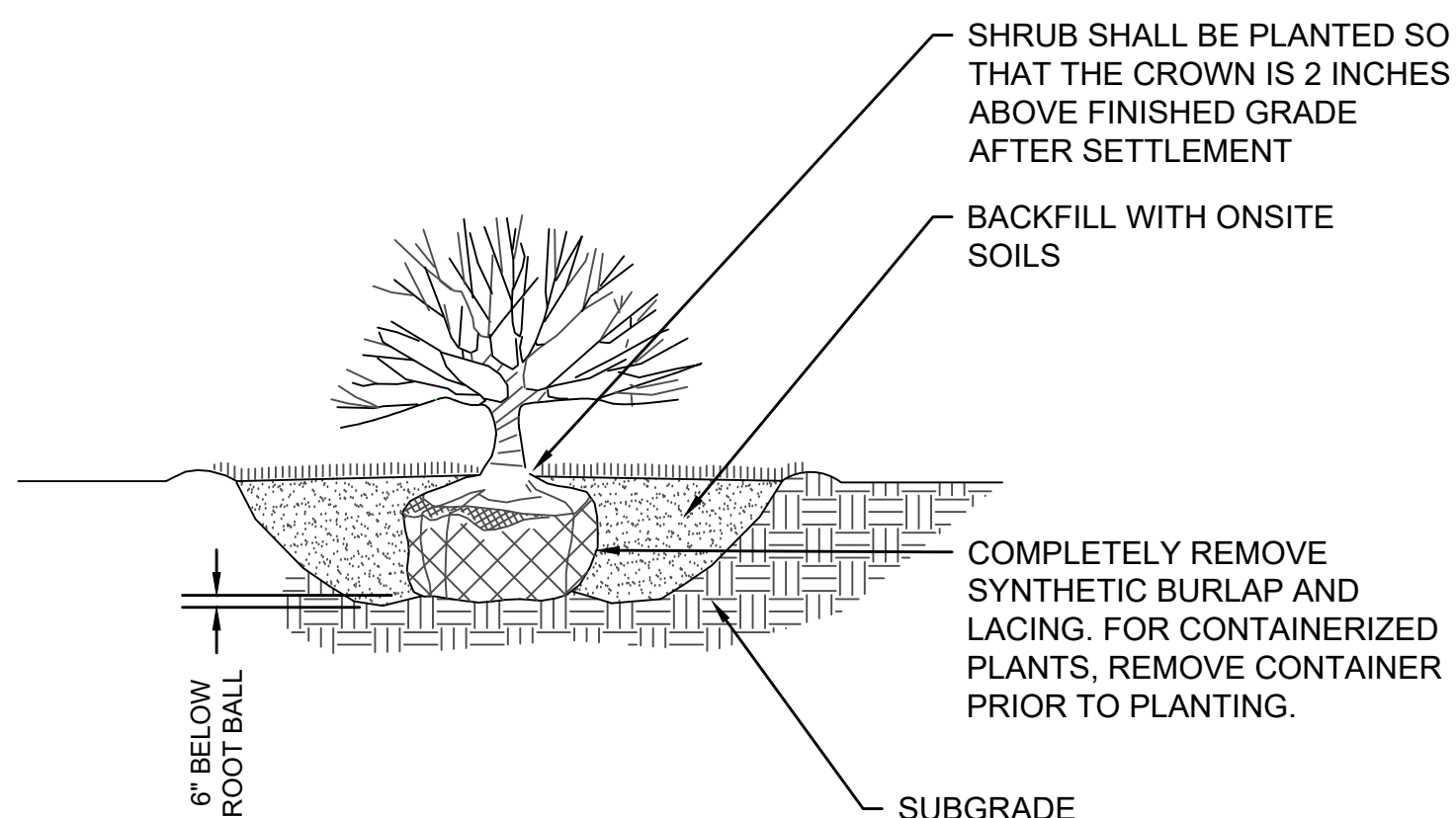


WETLAND REPLICATION & RESTORATION PLAN
SCALE: 1"= 10'

WETLAND SEED MIX SPECIFICATIONS:

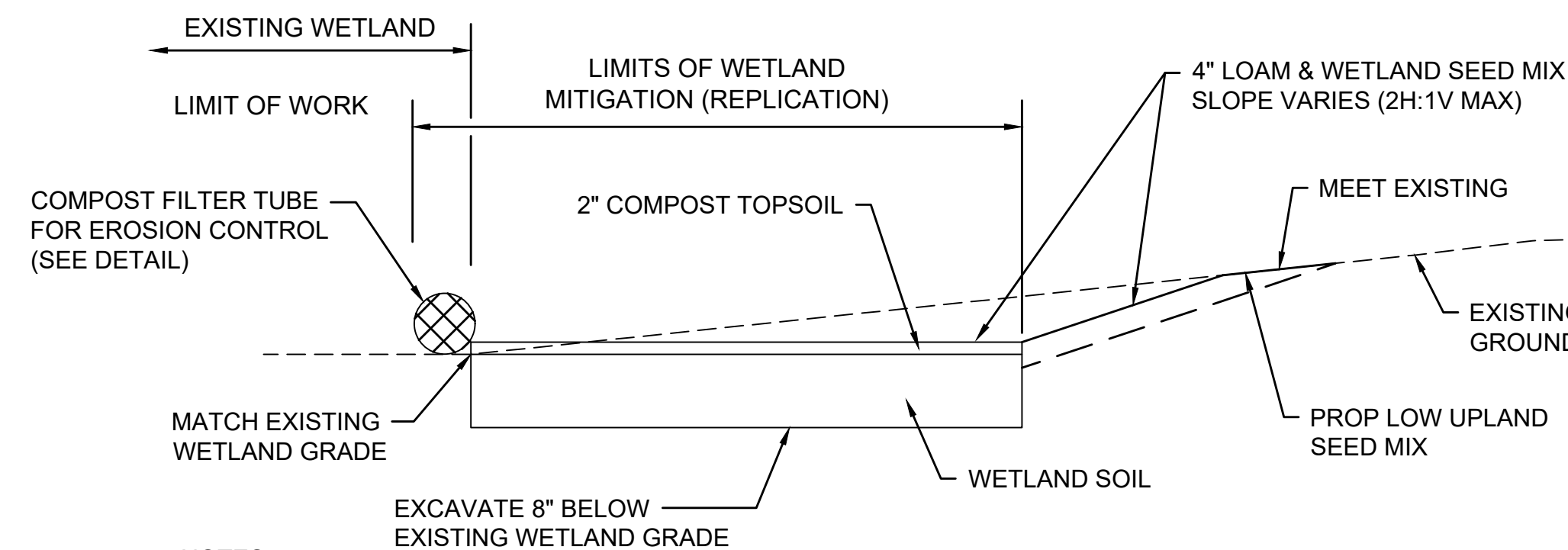
WETLAND SEED MIX SHALL BE COMPARABLE TO NEW ENGLAND WETLAND PLANTS WET MIX AND INCLUDE FOX SEDGE (CAREX VULPINOIDEA), LURID SEDGE (CAREX LURIDA), BLUNT BROOM SEDGE (CAREX SCOPARIA), BLUE VERVAIN (VERBENA HASTATA), FOWL BLUEGRASS (POA PALUSTRIS), HOP SEDGE (CAREX LUPULINA), GREEN BULRUSH (SCIRPUS ATROVIRENS), CREEPING SPIKE RUSH (ELEOCHARIS PALUSTRIS), FRINGED SEDGE (CAREX CRINITA), SOFT RUSH (JUNCUS EFFUSUS), SPOTTED JOE PYE WEED (EUPATORIUM MACULATUM), RATTLESNAKE GRASS (GLYCERIA CANADENSIS), SWAMP ASTER (ASTER PUNICEUS), BLUEFLAG (IRIS VERSICOLOR), SWAMP MILKWEED (ASCLEPIAS INCARNATA), AND SQUARE STEMMED MONKEY FLOWER (MIMULUS RINGENS).

APPLICATION RATE = 1 LB./2500 SQ. FT.
18 LBS./ACRE



NOTE:
LOOSE OR CRACKED ROOTBALLS WILL NOT BE ACCEPTED FOR PLANTING

SHRUB PLANTING
NOT TO SCALE



NOTES:

1. PROVIDE PLANTINGS AS DETAILED ON THIS SHEET.
2. ALL DISTURBED WETLAND AREAS SHALL BE RESTORED WITH WETLAND SEED MIX.

WETLAND REPLICATION AREA DETAIL
NOT TO SCALE

WETLAND REPLICATION NOTES:

- 1.) PRIOR TO GRADING THE REPLICATION AREA, EROSION CONTROLS SHALL BE INSTALLED ALONG THE DOWNGRADIENT AND UPGRADIENT EXTENTS.
- 2.) ALL SPECIES IDENTIFIED ON THIS PLAN SHALL BE USED UNLESS DIRECTED OTHERWISE BY THE FRANKLIN CONSERVATION COMMISSION. CULTIVARS SHALL NOT BE PLANTED.
- 3.) THE PLACEMENT OF PLANTINGS DEPICTED ON THIS PLAN SHALL BE USED AS A GUIDE AND IS NOT INTENDED TO DISCOURAGE FIELD ADJUSTMENTS BASED ON CONDITIONS. A QUALIFIED WETLAND PROFESSIONAL SHALL OVERSEE PLANTING WITHIN THE WETLAND REPLICATION AREA AND DIRECT THE CONTRACTOR ON EXACT PLACEMENT AND CLUSTERING OF PLANTS.
- 4.) A QUALIFIED PROFESSIONAL SHALL OVERSEE GRADING WITHIN THE WETLAND REPLICATION AREA AND DIRECT THE CONTRACTOR TO ACHIEVE THE APPROPRIATE GRADE FOR THE REPLICATION AREA.
- 5.) THE WETLAND REPLICATION AREA SHALL BE IMMEDIATELY SEEDED WITH NEW ENGLAND WETLAND PLANTS WET MIX OR A COMPARABLE BLEND OF NATIVE, HYDROPHYTIC SPECIES AS APPROVED BY THE FRANKLIN CONSERVATION COMMISSION. SHOULD FAVORABLE GROWING CONDITIONS NOT BE PRESENT, THE REPLICATION AREA SHALL BE COVERED WITH STRAW MULCH FREE OF SEED-HEADS AND SEEDED UPON COMMENCEMENT OF THE NEXT GROWING SEASON.
- 6.) SEE THE ACCOMPANYING NOTICE OF INTENT NARRATIVE FOR INFORMATION ON SEQUENCING OF ESTABLISHING THE REPLICATION AREAS.
- 7.) PLANTINGS SHALL BE SUFFICIENTLY IRRIGATED FOLLOWING INSTALLATION.
- 8.) WF 8 SERIES HYDROLOGY IS PRIMARILY PROVIDED THROUGH SURFACE WATER. THE SURFACE WATER ELEVATION WITHIN THE REPLICATION AREA WILL BE CONSISTENT WITH THE WF 8 SERIES.
- 9.) SOIL APPROPRIATE FOR THE REPLICATION AREA ME BE EITHER HYDRIC SOIL EXCAVATED AND STOCKPILED FROM THE IMPACTED WETLAND OR A MANUFACTURED MIX OF HALF COMPOST AND HALF CLEAN LOAM, OR A COMBINATION THEREOF, AS APPROVED BY A QUALIFIED WETLAND PROFESSIONAL. IF HYDRIC SOIL FROM THE IMPACTED WETLAND IS INFESTED WITH INVASIVE PLANT SPECIES, THE SOIL SHALL NOT BE USED IN THE REPLICATION AREA.

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DRAWN BY:	CL
DESIGNED BY:	RS
CHECKED BY:	BB

REGISTERED PROFESSIONAL
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PREPARED BY
SUBCONSULTANT

SCALE
AS SHOWN

TITLE

GROVE STREET IMPROVEMENTS
WETLAND REPLICATION PLAN
FRANKLIN, MA

BETA JOB NO. 10613
ISSUE DATE 02/2023
SHEET NO. 41

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION