

MASSACHUSETTS DEPARTMENT OF TRANSPORTATION HIGHWAY DIVISION

CONCORD
BRUCE FREEMAN RAIL TRAIL PHASE 2C

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	----	1	228
PROJECT FILE NO.		605189	

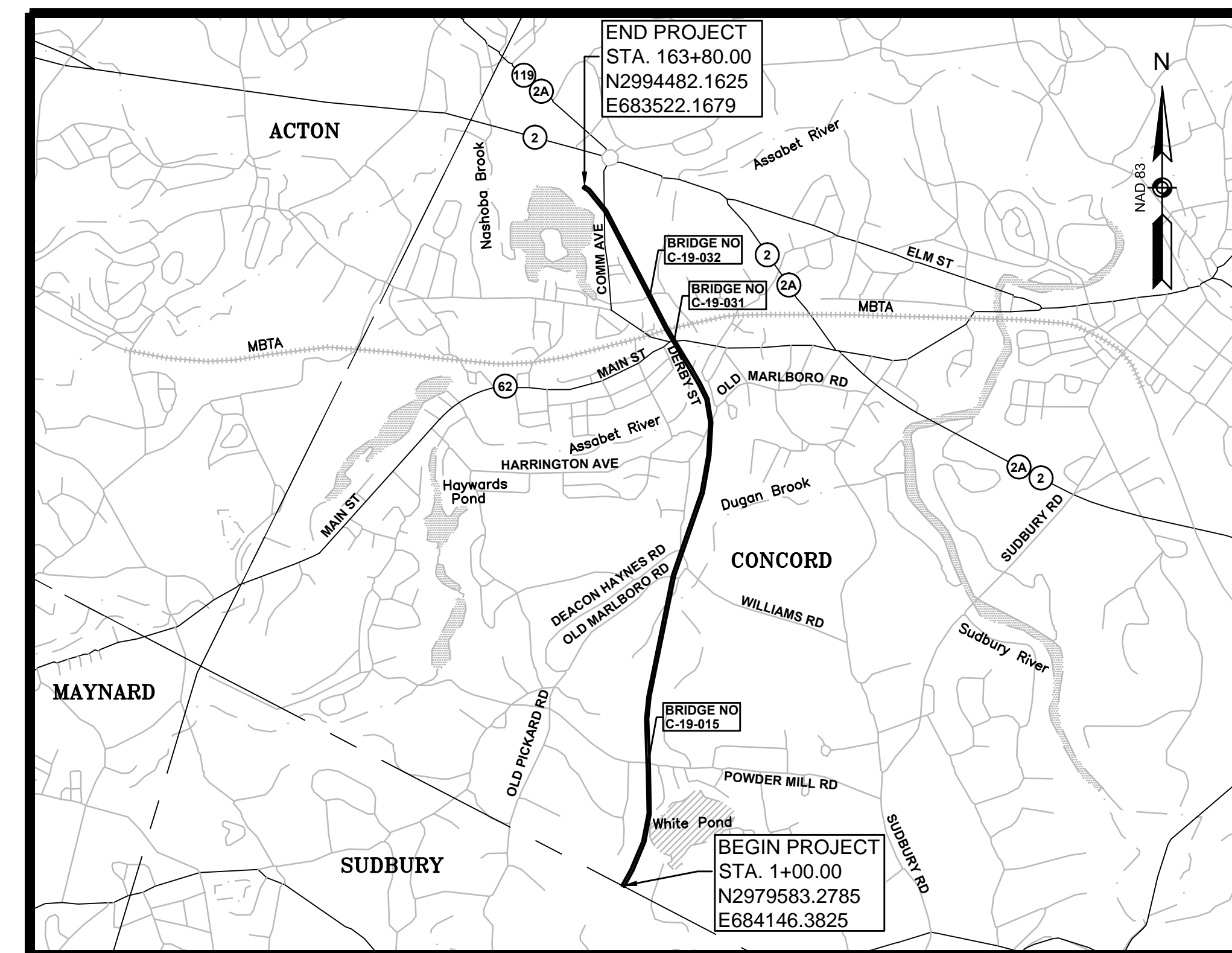
TITLE SHEET & INDEX

PLAN AND PROFILE OF
BRUCE FREEMAN RAIL TRAIL PHASE 2C
(BRIDGE NOS. C-19-015, C-19-031 & C-19-032)
IN THE TOWN OF
CONCORD
MIDDLESEX COUNTY

THE MASSACHUSETTS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES DATED 1988, AS AMENDED, THE SUPPLEMENTAL SPECIFICATIONS DATED JUNE 15, 2012, THE 2012 CONSTRUCTION STANDARD DETAILS, THE 1996 CONSTRUCTION AND TRAFFIC STANDARD DETAILS, (AS RELATED TO TRAFFIC STANDARD DETAILS ONLY), THE LATEST MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS WITH MASSACHUSETTS AMENDMENTS, THE 1990 STANDARD DRAWINGS FOR SIGNS AND SUPPORTS, THE 1968 STANDARD DRAWINGS FOR TRAFFIC SIGNALS AND HIGHWAY LIGHTING, AND THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK, WILL GOVERN.

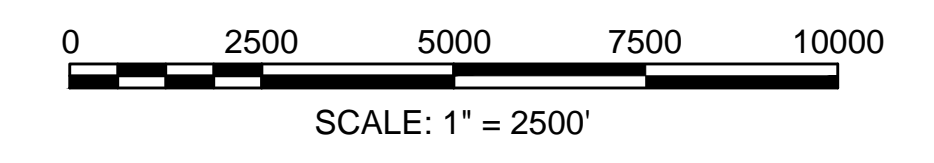
75% SUBMITTAL

SHEET NO.	DESCRIPTION
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2	LEGEND & ABBREVIATIONS
3	KEY PLAN & BORING LOCATIONS
4	BORING LOGS
5-9	TYPICAL SECTIONS
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28-60	CONSTRUCTION PLANS & PROFILES
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78-94	CURB TIE PLANS
95	GRADING PLAN
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113-114	TRAFFIC SIGN SUMMARY SHEET
115-116	TRAFFIC SIGNAL PLANS
117	TRAFFIC LEGEND ABBREVIATIONS & NOTES
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165-166	WHEELCHAIR RAMP/DRIVEWAY DETAILS
167-170	BRIDGE PLANS
171-228	CROSS SECTIONS




TRAIL DESIGN DESIGNATION

DESIGN SPEED	18 MPH
MINIMUM HORIZONTAL CURVE RADIUS	60'
MINIMUM LENGTH OF CREST VERTICAL CURVE	100'
MAXIMUM GRADE FOR LEVEL TERRAIN	4.5%



LENGTH OF PROJECT = 16,280 FEET = 3.083 MILES

GPI Greenman-Pedersen, Inc. <small>Engineers, Architects, Planners, Construction Engineers & Inspectors</small> 181 Ballardvale Street, Suite 202, Wilmington, MA 01887 Tel: (978) 570-2999 Fax: (978) 658-3044 http://www.gpinet.com	DATE	DESCRIPTION	REV #
DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION APPROVED:	 RECOMMENDED FOR APPROVAL		
	DIVISION ADMINISTRATOR _____ DATE _____	CHIEF ENGINEER _____ DATE _____	APPROVED HIGHWAY ADMINISTRATOR _____ DATE _____