MASSACHUSETTS DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION

PLAN AND PROFILE OF

BRUCE FREEMAN RAIL TRAIL PHASE 2A

IN THE TOWNS OF

WESTFORD, CARLISLE & ACTON

MIDDLESEX COUNTY

FEDERAL AID PROJECT NO.

PRELIMINARY RIGHT OF WAY

WESTFORD, CARLISLE & ACTON
BRUCE FREEMAN RAIL TRAIL PHASE 2A

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	1	31
PROJECT FILE NO.	604532		

PRELIMINARY RIGHT OF WAY
TITLE & INDEX

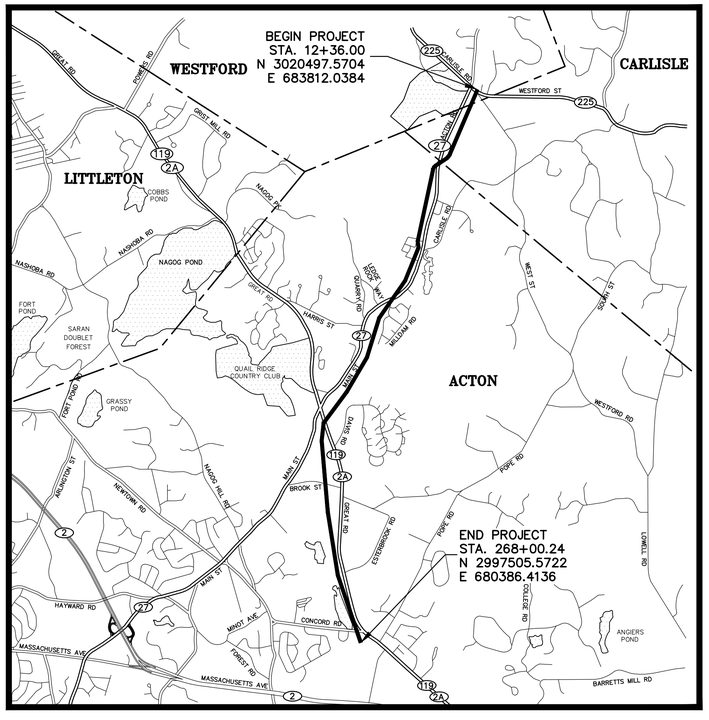
24-Mar-2014

06073_ROW_CS.DWG

THE MASSACHUSETTS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES DATED 1988, AS AMENDED, THE SUPPLEMENTAL SPECIFICATIONS DATED FEBRUARY 25, 2010, THE 2010 CONSTRUCTION STANDARD DETAILS, THE 1996 CONSTRUCTION AND TRAFFIC STANDARD DETAILS (AS RELATES TO TRAFFIC STANDARD DETAILS ONLY), THE 2009 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.

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET & INDEX
2-3	TYPICAL SECTIONS
4	CRITICAL PROFILE
5-6	PARCEL SUMMARY SHEETS
7-9	LOCATION PLANS
10-31	PROPERTY PLANS



LOCUS MAP

3000 0 3000 6000

SCALE 1" = 3000'

LENGTH OF PROJECT = 25,784.00 FEET = 4.883 MILES

GPI Greenman-Pedersen, Inc.
Engineers, Architects, Planners, Construction Engineers & Inspectors
181 Ballardvale Street, Suite 202, Wilmington, MA 01887
Tel: (978) 570-2999 Fax: (978) 658-3044
http://www.gpinet.com

DATE	DESCRIPTION	REV #
3/17/2014	100% SUBMITTAL	3
11/21/2013	ADD PARCELS A-E-6, A-TE-17 THRU A-TE-21, ELIMINATE A-TE-5 AND REDUCE A-TE-7	2
10/25/2012	75% SUBMITTAL	1
4/30/2008	ORIGINAL SUBMISSION	0

massDOT
Massachusetts Department of Transportation
Highway Division

RECOMMENDED FOR APPROVAL

CHIEF ENGINEER _____ DATE _____

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:

DIVISION ADMINISTRATOR _____ DATE _____

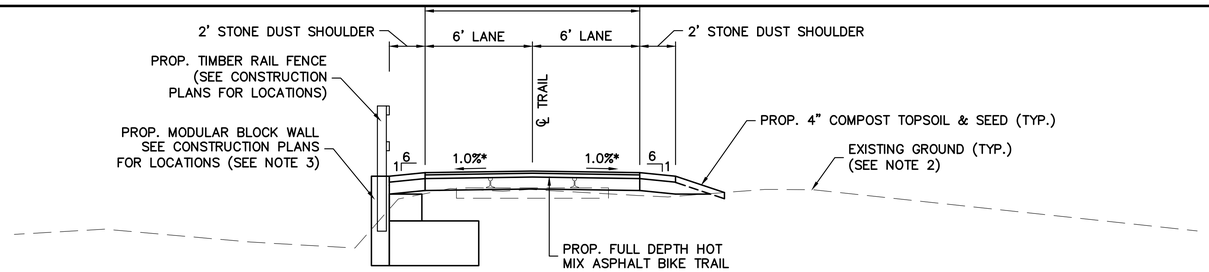
APPROVED

HIGHWAY ADMINISTRATOR _____ DATE _____

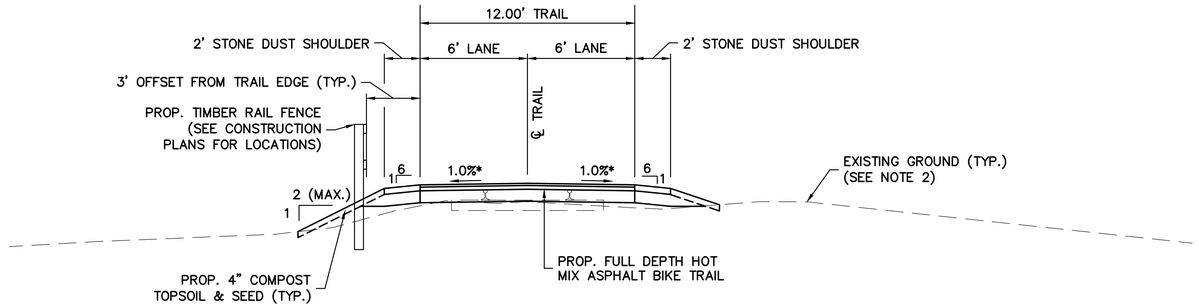
MassDOT DWT Version:

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	2	31
PROJECT FILE NO. 604532			

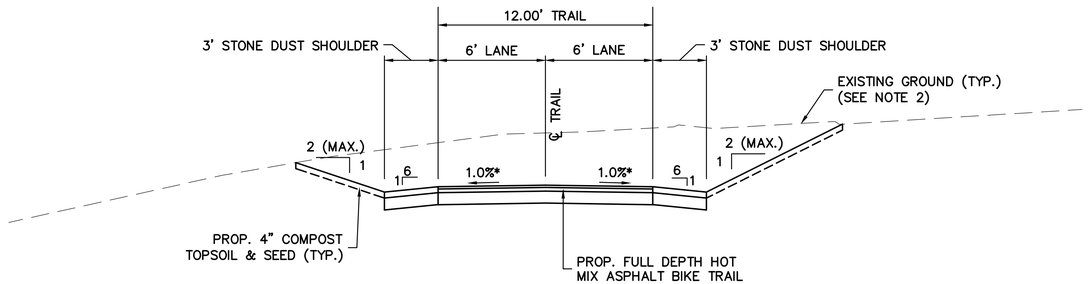
PRELIMINARY RIGHT OF WAY
TYPICAL SECTIONS
SHEET 1 OF 2



FILL SECTION WITH WALL



FILL SECTION



CUT SECTION

* – 0.5% CONSTRUCTION TOLERANCE

TYPICAL SECTION – 12' WIDE TRAIL

SCALE 1" = 4'
STA. 12+80 – STA. 46+95
STA. 47+50 – STA. 56+05
STA. 68+15 – STA. 103+55
STA. 103+95 – STA. 113+25
STA. 113+75 – STA. 115+20
STA. 117+85 – STA. 120+35
(SEE NOTE 1)

NOTES

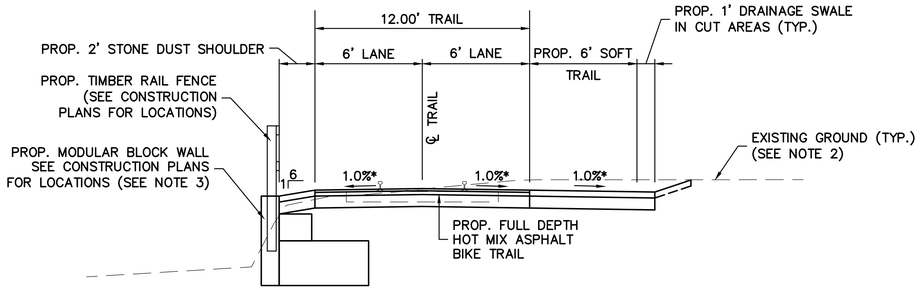
1. THE SECTIONS OF PROPOSED ROADWAY NOT COVERED IN THE RANGE OF STATIONS ASSOCIATED WITH THE TYPICAL SECTIONS ARE EITHER IN TRANSITION OR ARE LOCATED AT INTERSECTIONS AND THEREFORE HAVE NOT BEEN SHOWN. REFER TO CROSS SECTION SHEETS FOR MORE DETAILS.

2. CONTRACTOR SHALL REMOVE EXISTING ORGANIC MATERIAL (ABOVE RAILROAD BALLAST) THAT IS UNSUITABLE FOR REUSE AND DISPOSE OF OUTSIDE OF THE PROJECT LIMITS. IT IS ASSUMED THAT ALL OTHER EXCAVATED SUITABLE MATERIAL WILL REMAIN WITHIN THE PROJECT LIMITS. SEE SPECIAL PROVISIONS FOR DETAILS.

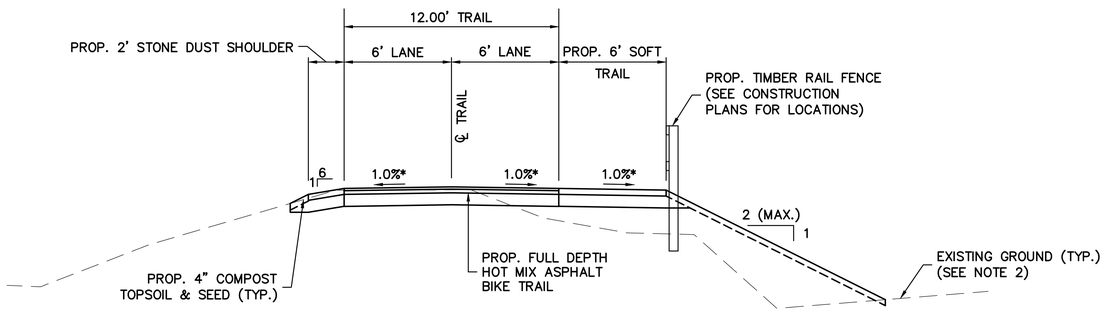
3. WALL IS SHOWN FOR INFORMATIONAL PURPOSES ONLY. ACTUAL DESIGN IS TO BE PROVIDED BY THE CONTRACTOR IN COORDINATION WITH THE ACTON PLANNING DEPARTMENT.

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	3	31
PROJECT FILE NO.	604532		

PRELIMINARY RIGHT OF WAY
TYPICAL SECTIONS
SHEET 2 OF 2



SOFT TRAIL WITHOUT FENCE



SOFT TRAIL WITH FENCE

TYPICAL SECTION – 12' WIDE TRAIL WITH SOFT TRAIL

SCALE 1" = 4'
STA. 120+35 – STA. 144+05
STA. 172+40 – STA. 188+30
STA. 195+00 – STA. 203+25
STA. 225+00 – STA. 246+75
STA. 248+40 – STA. 253+85
STA. 254+35 – STA. 261+45
STA. 261+95 – STA. 267+92
(SEE NOTE 1)

* – 0.5% CONSTRUCTION TOLERANCE

NOTES

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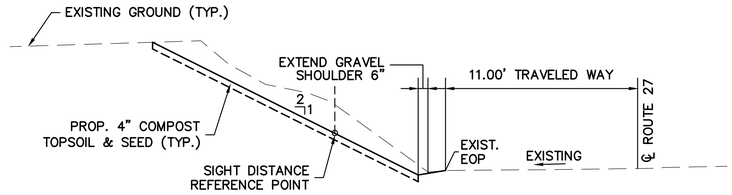
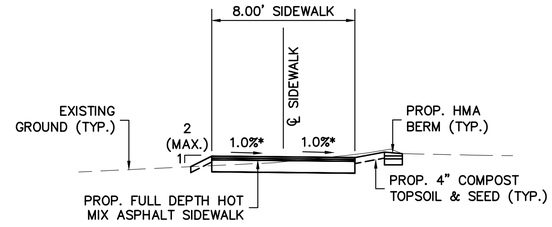


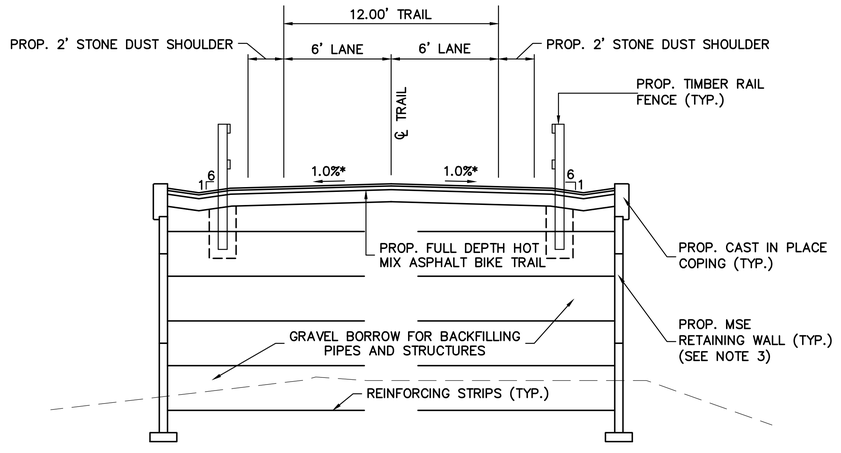
TYPICAL SECTION – ROUTE 27 SLOPE RECONSTRUCTION FOR SIGHT DISTANCE

SCALE 1" = 4'
STA. 310+51 – STA. 311+45



TYPICAL SECTION – SIDEWALK NEAR STATION 227+26.25 (POWERS GALLERY)

SCALE 1" = 4'
STA. 50+50 – STA. 51+67



* – 0.5% CONSTRUCTION TOLERANCE

TYPICAL SECTION – 12' WIDE TRAIL

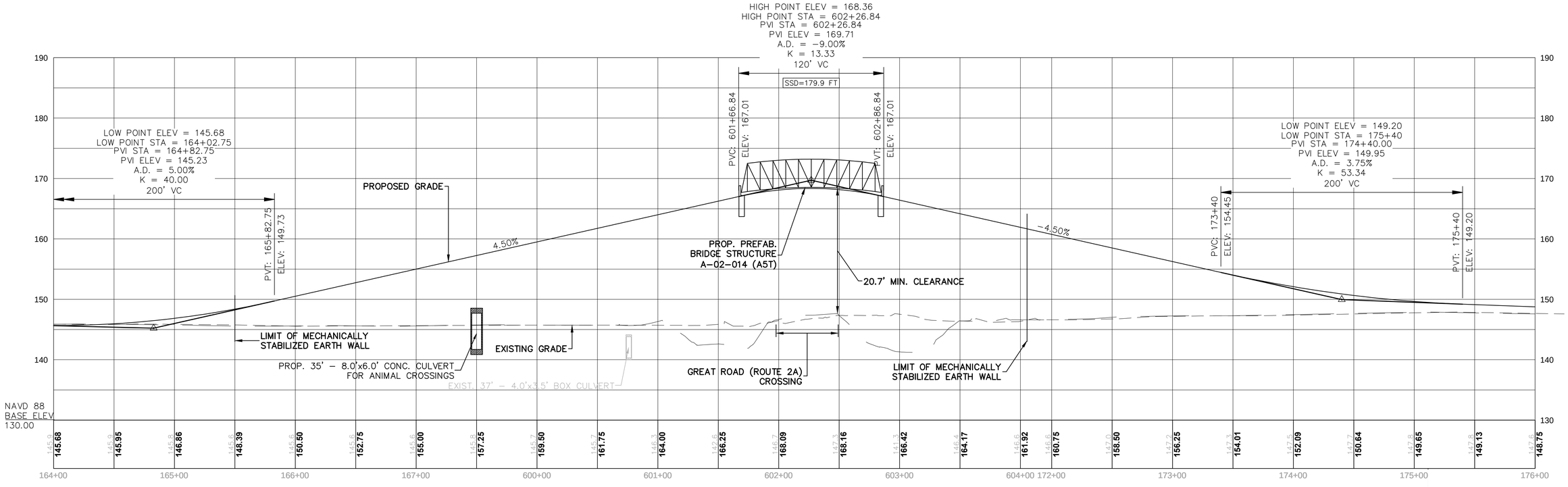
SCALE 1" = 4'
STA. 166+00 – STA. 601+30
STA. 603+20 – STA. 604+05

WESTFORD, CARLISLE & ACTON
BRUCE FREEMAN RAIL TRAIL PHASE 2A

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	4	31
PROJECT FILE NO.	604532		

PRELIMINARY RIGHT OF WAY
CRITICAL PROFILE

06073_ROW_PROF.DWG 24-Mar-2014



MassDOT DWT Version:

WESTFORD, CARLISLE & ACTON
BRUCE FREEMAN RAIL TRAIL PHASE 2A

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	5	31
PROJECT FILE NO.	604532		

PRELIMINARY RIGHT OF WAY
PARCEL SUMMARY SHEET
SHEET 1 OF 2

7-Apr-2014

06073_ROW_PS.DWG

PARCEL SUMMARY

PARCEL NO.	PLAN SHEET NO.	TITLEHOLDER	TITLE REFERENCE				AREA (S.F.±)						TOTAL PROPERTY AREA (S.F.)	REMARKS
			DEED BOOK	PAGE NO.	LCC NO.	CERT NO.	TAKEN		EASEMENT		TOTAL TAKEN	REMAINING		
							TOWN	STATE	TYPE	AREA				
		WESTFORD												
W-LT-1	10,11	COMMONWEALTH OF MASSACHUSETTS EXECUTIVE OFFICE OF TRANSPORTATION & CONSTRUCTION	14609	302				PERM	44,874					PERMANENT BIKEPATH EASEMENT
		CARLISLE												
C-LT-2	10,11	COMMONWEALTH OF MASSACHUSETTS EXECUTIVE OFFICE OF TRANSPORTATION & CONSTRUCTION	14609	302				PERM	56,366					PERMANENT BIKEPATH EASEMENT
		ACTON												
A-LT-3	11,12,13	COMMONWEALTH OF MASSACHUSETTS EXECUTIVE OFFICE OF TRANSPORTATION & CONSTRUCTION	14609	302				PERM	240,963					PERMANENT BIKEPATH EASEMENT
A-LT-4	13-16	COMMONWEALTH OF MASSACHUSETTS EXECUTIVE OFFICE OF TRANSPORTATION & CONSTRUCTION	14609	302				PERM	243,370					PERMANENT BIKEPATH EASEMENT
A-LT-5	18-23	COMMONWEALTH OF MASSACHUSETTS EXECUTIVE OFFICE OF TRANSPORTATION & CONSTRUCTION	14609	302				PERM	394,888					PERMANENT BIKEPATH EASEMENT
A-LT-6	23,24,25	COMMONWEALTH OF MASSACHUSETTS EXECUTIVE OFFICE OF TRANSPORTATION & CONSTRUCTION	14609	302				PERM	124,587					PERMANENT BIKEPATH EASEMENT
A-LT-7	25-30	COMMONWEALTH OF MASSACHUSETTS EXECUTIVE OFFICE OF TRANSPORTATION & CONSTRUCTION	14609	302				PERM	401,186					PERMANENT BIKEPATH EASEMENT
A-LT-8	30,31	COMMONWEALTH OF MASSACHUSETTS EXECUTIVE OFFICE OF TRANSPORTATION & CONSTRUCTION	14609	302				PERM	85,968					PERMANENT BIKEPATH EASEMENT
A-LT-9	31	COMMONWEALTH OF MASSACHUSETTS EXECUTIVE OFFICE OF TRANSPORTATION & CONSTRUCTION	14609	302				PERM	39,485					PERMANENT BIKEPATH EASEMENT
A-LT-10	17,18	COMMONWEALTH OF MASSACHUSETTS EXECUTIVE OFFICE OF TRANSPORTATION & CONSTRUCTION	14609	302				PERM	58,665					PERMANENT BIKEPATH EASEMENT
A-E-1	16	REX LUMBER CO.	15986	480				PERM	69,006					PERMANENT BIKEPATH EASEMENT
A-E-2	17,18	REX LUMBER CO.	15986	480				PERM	10,701					PERMANENT BIKEPATH EASEMENT
A-TE-3	16,17,18	REX LUMBER CO.	15986	480				TEMP	267,967					R&R BOULDERS, R&R ELEC. GATE AND EQUIP, PROP. 8' CLF, PROP. TIMBER RAIL FENCE, GRADING, LOAM & SEED
A-TE-23	17,18	REX LUMBER CO.	15986	480				TEMP	235					PROP. LOAM & SEED
A-E-3	24,25	NAGOG KNOLL REALTY TRUST	19139	175				PERM	11,315					PERMANENT BIKEPATH EASEMENT
A-E-6	16,17	TOWN OF ACTON (NARA PARK CONSERVATION)	12918	397				PERM	49,533					PERMANENT BIKEPATH EASEMENT
A-E-7	17,18	TOWN OF ACTON (NARA PARK CONSERVATION)	12918	397				PERM	1,383					PERMANENT BIKEPATH EASEMENT
A-TE-7	17,18	TOWN OF ACTON (NARA PARK CONSERVATION)	12918	397				TEMP	110,738					PROP. SILT FENCE & HAYBALES, LOAM & SEED
A-TE-22	16,17	TOWN OF ACTON (NARA PARK CONSERVATION)	12918	397				TEMP	3,172					PROP. CONC. WALK, GRADING, LOAM & SEED

MassDOT DWT Version:

WESTFORD, CARLISLE & ACTON
BRUCE FREEMAN RAIL TRAIL PHASE 2A

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	6	31
PROJECT FILE NO.	604532		

PRELIMINARY RIGHT OF WAY
PARCEL SUMMARY SHEET
SHEET 2 OF 2

7-Apr-2014

06073_ROW_PS.DWG

PARCEL SUMMARY

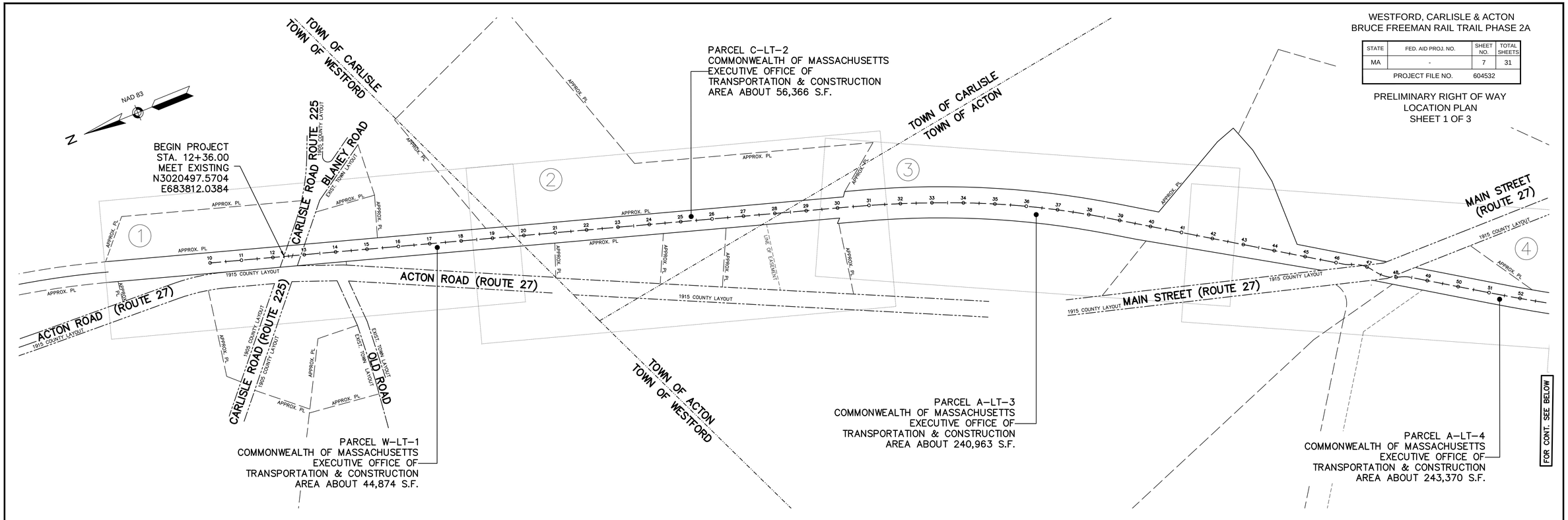
PARCEL NO.	PLAN SHEET NO.	TITLEHOLDER	TITLE REFERENCE				AREA (S.F.±)						TOTAL PROPERTY AREA (S.F.)	REMARKS
			DEED BOOK	PAGE NO.	LCC NO.	CERT NO.	TAKEN		EASEMENT		TOTAL TAKEN	REMAINING		
							TOWN	STATE	TYPE	AREA				
A–TE–1	13	WATER SUPPLY DISTRICT OF ACTON (ACTON WATER DISTRICT)	997	172				TEMP	718					PROP. CLEARING & GRUBBING
A–TE–14	23	TOWN OF ACTON (CONSERVATION COMMISSION)	14178	179				TEMP	3,568					TEMPORARY EASEMENT FOR WALL CONSTRUCTION
A–TE–15	29,30	TOWN OF ACTON (GENERAL MUNICIPAL)	15174	292				TEMP	661					PROP. LANDSCAPING
A–TE–12	31	M & D REALTY COMPANY	22945	42				TEMP	153					PROP. HMA DRIVEWAY
A–TE–16	30	WETHERBEE–ACTON REALTY TRUST u/d/t	12737	136				TEMP	59					PROP. GRADING & HAYBALES
A–TE–17	28	CHABAD CENTER OF ACTON, INC	30895	339				TEMP	339					PROP. LOAM & SEED, PROP. STOCKADE FENCE
A–TE–18	28	THE BRAVERY REALTY TRUST	46106	68				TEMP	60					PROP. LOAM & SEED
A–TE–19	18	PHILIP A. HARRIS AND LORNA HARRIS, (1/4 UNDIVIDED INTEREST) FREDERICK A. HARRIS & LEOTA P. HARRIS (3/4 UNDIVIDED INTEREST)	20489	497				TEMP	362					PROP. HMA DRIVEWAY
A–TE–21	17.18	6 REX LANE REALTY TRUST	38465	575				TEMP	95					PROP. GRADING
A–TE–24	16	ROBBINS BROOK CONDOMINIUM	34644	65				TEMP	50					PROP. HMA WALK, PROP. GRADING

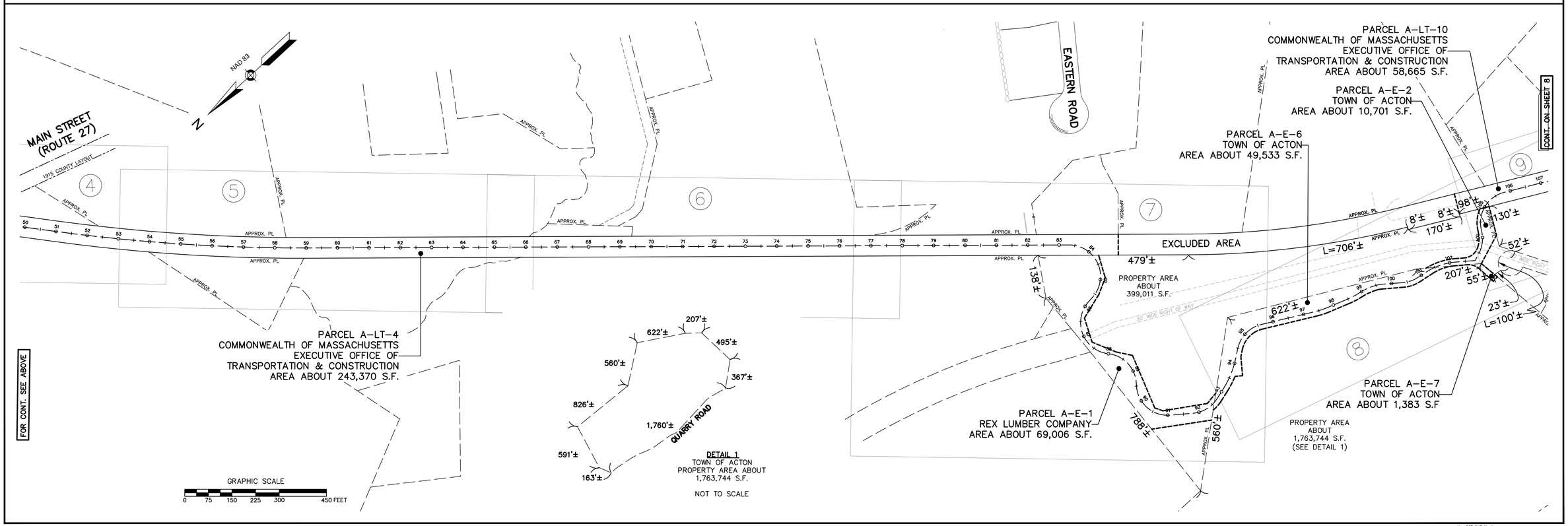
MassDOT CWT Version:

WESTFORD, CARLISLE & ACTON
BRUCE FREEMAN RAIL TRAIL PHASE 2A

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	7	31
PROJECT FILE NO.	604532		

PRELIMINARY RIGHT OF WAY
LOCATION PLAN
SHEET 1 OF 3





06073_ROW_LOC.DWG 24-Mar-2014

MassDOT DWT Version:

WESTFORD, CARLISLE & ACTON
BRUCE FREEMAN RAIL TRAIL PHASE 2A

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	8	31
PROJECT FILE NO.	604532		

PRELIMINARY RIGHT OF WAY
LOCATION PLAN
SHEET 2 OF 3

06073_ROW_LOC.DWG 7-Apr-2014

NAD 83

MAIN STREET (ROUTE 27) 1915 COUNTY LAYOUT

NORTH BRIAR ROAD

SAWMILL ROAD

EXCLUDED AREA

PARCEL A–E–2
REX LUMBER COMPANY
AREA ABOUT 10,701 S.F.

98'±

8'±

0'±

130'±

52'±

REX LANE (PRIVATE)

207'±

55'±

23'±

L=100'±

LEDGE ROCK WAY
EXIST. TOWN LAYOUT

HARRIS STREET 1915 COUNTY LAYOUT

MAIN STREET (ROUTE 27) 1915 COUNTY LAYOUT

392'±

L=118'±

132'±

172'±

162'±

184'±

338'±

13'±

324'±

6'±

606'±

702'±

APPROX. PL

PARCEL A–E–7
TOWN OF ACTON
AREA ABOUT
1,383 S.F

PARCEL A–LT–10
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF
TRANSPORTATION & CONSTRUCTION
AREA ABOUT 58,665 S.F.

PARCEL A–LT–5
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF
TRANSPORTATION & CONSTRUCTION
AREA ABOUT 394,888 S.F.

CONT. ON SHEET 7

FOR CONT. SEE BELOW

FOR CONT. SEE ABOVE

PARCEL A–LT–5
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF
TRANSPORTATION & CONSTRUCTION
AREA ABOUT 394,888 S.F.

DAVIS ROAD (PUBLIC) ANCIENT

PARCEL A–LT–6
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF
TRANSPORTATION & CONSTRUCTION
AREA ABOUT 124,587 S.F.

PARCEL A–E–3
NAGOG KNOLL REALTY TRUST
AREA ABOUT 11,315 S.F.

1940 STATE HIGHWAY LAYOUT
GREAT ROAD (ROUTE 2A)

552'±
PROPERTY AREA
ABOUT
87,120 S.F.

150'±

110'±

L=356'±

225'±

BROOK STREET (PUBLIC)
1947 COUNTY LAYOUT

PARCEL A–LT–7
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF
TRANSPORTATION & CONSTRUCTION
AREA ABOUT 401,186 S.F.

CONT. ON SHEET 9

GRAPHIC SCALE
0 75 150 225 300 450 FEET

MassDOT DWT Version:

WESTFORD, CARLISLE & ACTON
BRUCE FREEMAN RAIL TRAIL PHASE 2A

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	9	31
PROJECT FILE NO.		604532	

PRELIMINARY RIGHT OF WAY
LOCATION PLAN
SHEET 3 OF 3

06073_ROW_LOC.DWG 21-Mar-2014

N NAD 83

PARCEL A–LT–7
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF
TRANSPORTATION & CONSTRUCTION
AREA ABOUT 401,186 S.F.

GREAT ROAD (ROUTE 2A)
1940 STATE HIGHWAY LAYOUT

ESTERBROOK ROAD (PUBLIC)

GREAT ROAD (ROUTE 2A) (PUBLIC)

APPROX. PL

CONT. ON SHEET 8

FOR CONT. SEE BELOW

PARCEL A–LT–7
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF
TRANSPORTATION & CONSTRUCTION
AREA ABOUT 401,186 S.F.

ROUTE 2A/119

KEEFE ROAD (PUBLIC)
EXIST. TOWN LAYOUT

ACTON INDOOR SPORTS DRIVEWAY

WETHERBEE STREET (PUBLIC)

1987 COUNTY LAYOUT

GREAT ROAD (PUBLIC)

CONCORD ROAD (PUBLIC)
1944 COUNTY LAYOUT

END PROJECT
STA. 268+00.24
MEET EXISTING
N 2997505.5722
E 680386.4136

TOWN OF CONCORD
TOWN OF ACTON

PARCEL A–LT–8
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF
TRANSPORTATION & CONSTRUCTION
AREA ABOUT 85,968 S.F.

PARCEL A–LT–9
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF
TRANSPORTATION & CONSTRUCTION
AREA ABOUT 39,485 S.F.

FOR CONT. SEE ABOVE

GRAPHIC SCALE
0 75 150 225 300 450 FEET

MassDOT DWT Version:

WESTFORD, CARLISLE & ACTON
BRUCE FREEMAN RAIL TRAIL PHASE 2A

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	10	31
PROJECT FILE NO.	604532		

PRELIMINARY RIGHT OF WAY
PROPERTY PLAN
SHEET 1 OF 22

25-Mar-2014
06073_ROW_PROP.DWG

NAD 83
N

BEGIN PROJECT
STA. 12+36.00
N3020497.5704
E683812.0384

CARLISLE ROAD
ROUTE 225

BLANE ROAD
(PUBLIC)

1905 COUNTY LAYOUT

EXIST. TOWN LAYOUT

APPROX. PL

APPROX. PROPERTY LINE

N/F
DENNIS F. McCABE
BK. 2195 PG. 206
#176

N/F
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF TRANSPORTATION & CONSTRUCTION
BK. 14609 PG. 302

N/F
DANIEL S. HANLEY
BK. 1784 PG. 346

N/F
ROGER B. PLAISTED &
MARY JANE PLAISTED
BK. 2312 PG. 297
#175

N/F
TOWN OF WESTFORD
CONSERVATION
COMMISSION

N/F
ERIC DARLING AND MARGARET E. BALTZ
BK. 22273 PG. 250

TOWN OF CARLISLE
TOWN OF WESTFORD

PARCEL C-LT-2
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF
TRANSPORTATION & CONSTRUCTION
AREA ABOUT 56,366 S.F.

PARCEL W-LT-1
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF
TRANSPORTATION & CONSTRUCTION
AREA ABOUT 44,874 S.F.

PROP. 10' X 30' FILTER STRIP
AND LEVEL SPREADER (TYP.)

PROP. TRAFFIC SIGNAL
CONDUIT (TYP.)

PROP. SLOPE LIMIT
(TYP.)

PROP. SWALE (TYP.)

PROP. CONST.
℄ & PGL

PROP. 12' FULL DEPTH
HMA BIKE PATH (TYP.)

PROP. LOAM
& SEED (TYP.)

PROP. COMPOST FILTER
TUBES (TYP.)

PROP. CLEARING &
GRUBBING (TYP.)

PROP. TIMBER
RAIL FENCE (TYP.)

PROP. STAMPED
CONC. SPLITTER
ISLAND

LIMIT OF WORK

72'±

637'±

722'±

86'±

PROP. SLOPE
LIMIT (TYP.)

REM. EXIST. RAILS
AND TIES (TYP.)

PROP. LANDSCAPING (TYP.)

TRAIL WITHIN 100' WETLAND BUFFER

PROP. PAVEMENT MILLING
& HMA OVERLAY

PROP. GRAN.
CURB TRANSITION

ACTON ROAD (ROUTE 27)
(PUBLIC)

EXIST. COUNTY LAYOUT

1915 COUNTY LAYOUT

N/F
JOSEPH P. LENOX, IV &
DOUGLAS W. LENOX
BK. 20393 PG. 230
#1

PROP. GRANITE MARKER
(8.50, CARLISLE)

N/F
WADE RIPLEY
LC CERT 29631
#16

N/F
GEORGE F. DONNELLAN
LC CERT 28294
#14

N/F
CHOICE
BK. 24001 PG. 245
#173

N/F
LITTLE DIAMOND ISLAND
REALTY TRUST u/d/t
BK. 9675 PG. 86
#175

CARLISLE ROAD (ROUTE 225) (PUBLIC)

OLD ROAD (PUBLIC)

N/F
MICHAEL NOONAN
BK. 13922 PG. 188
#38

N/F
CHERVIN CARLISLE TRUST
BK. 20069 PG. 228
#161

GRAPHIC SCALE
0 20 40 60 80 120FEET

MassDOT DWT Version:

WESTFORD, CARLISLE & ACTON
BRUCE FREEMAN RAIL TRAIL PHASE 2A

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	11	31
PROJECT FILE NO.	604532		

PRELIMINARY RIGHT OF WAY
PROPERTY PLAN
SHEET 2 OF 22

7-Apr-2014

06073_ROW_PROP.DWG

NAD 83

N

PARCEL C–LT–2
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF
TRANSPORTATION & CONSTRUCTION
AREA ABOUT 56,366 S.F.

N/F
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF TRANSPORTATION & CONSTRUCTION
BK. 14609 PG. 302

N/F
ERIC DARLING AND
MARGARET E. BALTZ
BK. 2273 PG. 250

APPROX. PROPERTY LINE

PARCEL A–LT–3
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF
TRANSPORTATION & CONSTRUCTION
AREA ABOUT 240,963 S.F.

TOWN OF CARLISLE
TOWN OF WESTFORD

PROP. 12' FULL DEPTH HMA BIKE PATH (TYP.)
PROP. SLOPE LIMIT (TYP.)
PROP. CLEARING & GRUBBING (TYP.)
PROP. LOAM & SEED (TYP.)
PROP. SWALE (TYP.)
PROP. 6' X 20' REST AREA WITH TWO (2) BENCHES
PROP. CONST. ℄ & PGL
PROP. SLOPE LIMIT (TYP.)
PROP. LOAM & SEED (TYP.)
PROP. TIMBER RAIL FENCE (TYP.)
PROP. COMPOST FILTER TUBES (TYP.)
REM. EXIST. RAILS AND TIES (TYP.)

(RET.) WIRE FENCE
637'±
68'±
951'±
129'±
49'±
17'±
L=868'±
TRAIL WITHIN 100'
DISC (FND)
(REM.) IRON PIPE

19 20 21 22 23 24 25 26 27 28 29 30 31
TOS BOS PC +30.67

722'±
757'±
249'±
153'±
19'±
81'±
L=791'±

N/F
JOSEPH P. LENOX, IV &
DOUGLAS W. LENOX
BK. 20393 PG. 230
#1

R&S FENCE, WITHIN SLOPE LIMIT

PROP. LOAM & SEED (TYP.)

N/F
JOSEPH P. LENOX, IV &
DOUGLAS W. LENOX
BK. 20393 PG. 230

APPROX. PROPERTY LINE

PROP. 12' FULL DEPTH HMA BIKE PATH (TYP.)

PROP. CLEARING & GRUBBING (TYP.)

PROP. BOXWOOD PLANTING FOR SCREENING (69)

N/F
ACTON GARAGE STORAGE, INC.
BK. 13030 PG. 59
#1019

APPROX. PL

1915 COUNTY LAYOUT

PROP. GRANITE MARKER
(8.50, CARLISLE)

PROP. COMPOST FILTER TUBES (TYP.)

PARCEL W–LT–1
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF
TRANSPORTATION & CONSTRUCTION
AREA ABOUT 44,874 S.F.

TOWN OF CARLISLE
TOWN OF ACTON

N/F
ACTON GARAGE STORAGE, INC.
BK. 35343 PG. 268

EXISTING RECREATION EASEMENT LINE

EXISTING 225' WIDE
RECREATION EASEMENT
BK. 35673 PG. 84
(TO THE TOWN OF ACTON)

PROP. 10' HMA RAMP TO PARKING AREA

WETLANDS
PERM. IMPACT = 494 SF
TEMP. IMPACT = 137 SF

PROP. WETLAND REPLICATION AREA #1 – 1,233 SF

WETLANDS
TEMP. IMPACT = 6 SF

PROP. DISPLAY BOARD (TYP.)

PROP. CLEARING & GRUBBING (TYP.)

100–YEAR FLOODPLAIN
IMPACT 1 = 5,533 S.F.

WETLANDS
PERM. IMPACT = 80 SF
TEMP. IMPACT = 84 SF

N/F
JOHN W. BAKER
BK. 13388 PG. 100
BK. 13388 PG. 101

PROP. REMOVABLE BOLLARD

WETLANDS
TEMP. IMPACT = 9 SF

PROP. HMA PARKING LOT

61'
20'

MAIN STREET (ROUTE 27) (PUBLIC)

1915 COUNTY LAYOUT

GUARDRAIL
SAW
EXIST. EOP

CONT. ON SHEET 10
CONT. ON SHEET 12

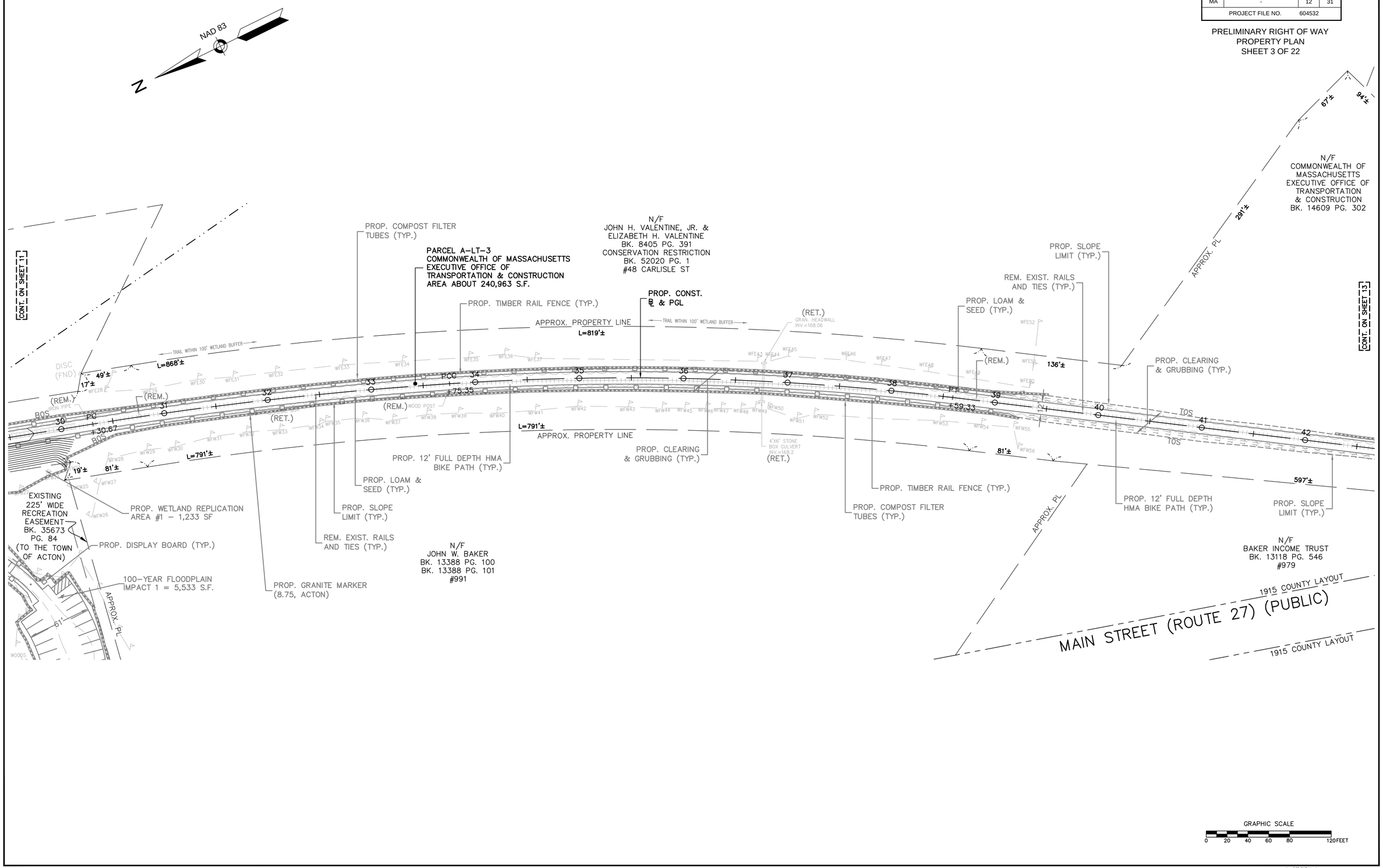
GRAPHIC SCALE
0 20 40 60 80 120FEET

MassDOT DWT Version:

WESTFORD, CARLISLE & ACTON
BRUCE FREEMAN RAIL TRAIL PHASE 2A

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	12	31
PROJECT FILE NO.		604532	

PRELIMINARY RIGHT OF WAY
PROPERTY PLAN
SHEET 3 OF 22



25-Mar-2014
06073_ROW_PROP.DWG

MassDOT DWT Version:

WESTFORD, CARLISLE & ACTON
BRUCE FREEMAN RAIL TRAIL PHASE 2A

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	13	31
PROJECT FILE NO.	604532		

PRELIMINARY RIGHT OF WAY
PROPERTY PLAN
SHEET 4 OF 22

25-Mar-2014

06073_ROW_PROP.DWG

NAD 83

N

[CONT. ON SHEET 12]

[CONT. ON SHEET 14]

N/F
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF TRANSPORTATION & CONSTRUCTION
BK. 14609 PG. 302

291'±

67'±

94'±

116'±

PROP. 12' FULL DEPTH HMA BIKE PATH (TYP.)

PROP. CLEARING & GRUBBING (TYP.)

PARCEL A-LT-3
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF TRANSPORTATION & CONSTRUCTION
AREA ABOUT 240,963 S.F.

N/F
WATER SUPPLY DISTRICT OF ACTON
(ACTON WATER DISTRICT)
BK. 997 PG. 172
#941

PROP. LANDSCAPING (TYP.)

PROP. TIMBER RAIL FENCE (TYP.)

APPROX. PROPERTY LINE

216'±

PROP. LANDSCAPING (TYP.)

PARCEL A-TE-1
ACTON WATER DISTRICT
AREA ABOUT 718 S.F.

PROP. TEMP. EASEMENT (TYP.)

WETLANDS
TEMP. IMPACT = 9 SF

PROP. MODULAR BLOCK WALL
STA. 46+25 LT
TO STA. 46+88 LT

PROP. CLEARING AND GRUBBING WITH REGRADING TO IMPROVE SIGHT DISTANCE

1915 COUNTY LAYOUT

MAIN STREET (ROUTE 27)(PUBLIC)

1915 COUNTY LAYOUT

50'±

72'±

7'±

96'±

26'±

N/F
WATER SUPPLY DISTRICT OF ACTON
BK. 1067 PG. 105

#942

PROP. CONST. ℄ & PGL

PROP. SLOPE LIMIT (TYP.)

PROP. SWALE (TYP.)

LIMIT OF WORK

PROP. CLEARING & GRUBBING (TYP.)

PROP. COMPOST FILTER TUBES (TYP.)

PROP. TIMBER RAIL FENCE (TYP.)

#954

N/F
TOWN OF ACTON

APPROX. PROPERTY LINE

248'±

95'±

APPROX. PL

REM. EXIST. RAILS AND TIES (TYP.)

TRAIL WITHIN RIVERFRONT AREA

TRAIL WITHIN 100' WETLAND BUFFER

L=795'±

BOS

42 43 44 45 46 47 48 49 50 51 52 53 54

PC PRC PT

+22.06 +50.12 +12.28 +39.96 +17.56 +45.78 +01.23 PC +86.85

BOS

TOS

(R&R)

597'±

289'±

198'±

(RET.)

11'±

(ADJ.)

(RET.)

(R&R)

(REM.)

PROP. SLOPE LIMIT (TYP.)

REM. EXIST. RAILS AND TIES (TYP.)

PROP. LOAM & SEED (TYP.)

PROP. SWALE (TYP.)

N/F
BAKER INCOME TRUST
BK. 13118 PG. 546
#979

APPROX. PROPERTY LINE

1915 COUNTY LAYOUT

MAIN STREET (ROUTE 27)(PUBLIC)

1915 COUNTY LAYOUT

LIMIT OF WORK

#962

#976

PROP. FULL DEPTH HMA CONSTRUCTION AT ROADWAY CROSSING WITH 10' MILL AND OVERLAY TRANSITIONS AT APPROACHES (TYP.)

APPROX. PL

70' WIDE ACCESS ROW (30 ABUTTER) BK. 16789 PG. 50 PLAN NO. 245 OF 1986

PROP. 10' X 30' FILTER STRIP AND LEVEL SPREADER (TYP.)

PROP. CLEARING & GRUBBING (TYP.)

374'±

PROP. LOAM & SEED (TYP.)

PROP. 12' FULL DEPTH HMA BIKE PATH (TYP.)

APPROX. WATER MAIN LOCATION
CONTRACTOR TO VERIFY LOCATION AND RELOCATE IF REQUIRED

PROP. MODULAR BLOCK WALL
STA. 47+50 RT TO STA. 48+00 RT

WETLANDS
TEMP. IMPACT = 6 SF

N/F
WATER SUPPLY DISTRICT OF ACTON
BK. 19375 PG. 3
#60

APPROX. PROPERTY LINE

L=805'±

APPROX. PL

PARCEL A-LT-4
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF TRANSPORTATION & CONSTRUCTION
AREA ABOUT 243,370 S.F.

GRAPHIC SCALE
0 20 40 60 80 120FEET

MassDOT DWT Version:

WESTFORD, CARLISLE & ACTON
BRUCE FREEMAN RAIL TRAIL PHASE 2A

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	14	31
PROJECT FILE NO.	604532		

PRELIMINARY RIGHT OF WAY
PROPERTY PLAN
SHEET 5 OF 22

24-Mar-2014

06073_ROW_PROP.DWG

NAD 83

N

N/F
WATER SUPPLY DISTRICT OF ACTON
BK. 1067 PG. 105
#942

APPROX. PL

PROP. REHABILITATED
BRIDGE STRUCTURE
A-02-031 (BFA)
(NO. 6)

BUTTER BROOK

BEGIN NHESP HABITAT
FOCUS AREA

PROP. CLEARING
& GRUBBING (TYP.)

PROP. 10' FULL DEPTH
HMA BIKE PATH (TYP.)

PROP. BOXWOOD
PLANTING FOR
SCREENING (41)

PARCEL A-LT-4
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF
TRANSPORTATION & CONSTRUCTION
AREA ABOUT 243,370 S.F.

PROP. 8' CLF

PROP. HIGHWAY GUARD WITH TIMBER RUB RAIL
STA. 62+00 LT TO STA. 63+00 LT

PROP. LOAM & SEED
(SEE NOTE 2)

WETLANDS
TEMP. IMPACT = 5 SF

FLOODWAY
IMPACT 3
FILL: 6 CY

N/F
MAIN STREET ACTON
REALTY VENTURES LLC
BK. 53416 PG. 122
#930

[CONT. ON SHEET 15]

REM. EXIST. RAILS
AND TIES (TYP.)

PROP. SWALE
(TYP.)

PROP. SLOPE
LIMIT (TYP.)

APPROX. PROPERTY LINE

L=795'±

L=805'±

2,586'±

2,330'±

TRAIL WITHIN RIVERFRONT AREA

TRAIL WITHIN 100' WETLAND BUFFER

PROP. TIMBER RAIL
FENCE (TYP.)

PROP. GRANITE MARKER
(9.25, ACTON)

PROP. 12' FULL DEPTH
HMA BIKE PATH (TYP.)

PROP. SILT FENCE W/
STRAW BALES (TYP.)

PROP. REHABILITATED
BRIDGE STRUCTURE
A-02-030 (BF8)
(NO. 5)

PROP. TIMBER RAIL FENCE (TYP.)

PROP. CONST.
℄ & PGL

PROP. SWALE
(TYP.)

PROP. LOAM
& SEED
(SEE NOTE 2)

PROP. SLOPE
LIMIT (TYP.)

PROP. CLEARING
& GRUBBING (TYP.)

APPROX. PROPERTY LINE

N/F
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF TRANSPORTATION
& CONSTRUCTION
BK. 14609 PG. 302

N/F
WATER SUPPLY DISTRICT
OF ACTON
BK. 19375 PG. 3
#60

N/F
MASSACHUSETTS DEPARTMENT
OF TRANSPORTATION
BK. 1219 PG. 271

N/F
WATER SUPPLY DISTRICT
OF ACTON
BK. 16799 PG. 50
#928

N/F
NASHOBA
SPORTSMAN'S CLUB, INC.
BK. 7006 PG. 310
BK. 7156 PG. 292
BK. 7229 PG. 195
#924

[CONT. ON SHEET 13]

GRAPHIC SCALE
0 20 40 60 80 120 FEET

MassDOT DWT Version:

WESTFORD, CARLISLE & ACTON
BRUCE FREEMAN RAIL TRAIL PHASE 2A

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	15	31
PROJECT FILE NO.	604532		

PRELIMINARY RIGHT OF WAY
PROPERTY PLAN
SHEET 6 OF 22

25-Mar-2014
06073_ROW_PROP.DWG

NAD 83
N

N/F
MAIN STREET ACTON
REALTY VENTURES LLC
BK. 53416 PG. 122
#930

N/F
MERIDIAN SENIOR LIVING, LLC
BK. 44951 PG. 97

N/F
RRV, LLC
BK. 44951 PG. 97

PARCEL A-LT-4
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF
TRANSPORTATION & CONSTRUCTION
AREA ABOUT 243,370 S.F.

N/F
NASHOBA SPORTSMAN'S
CLUB, INC.
BK. 7006 PG. 310

N/F
NASHOBA
SPORTSMAN'S CLUB, INC.
BK. 7006 PG. 310
BK. 7156 PG. 292
BK. 7229 PG. 195
#924

N/F
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF TRANSPORTATION
& CONSTRUCTION
BK. 14609 PG. 302

CONT. ON SHEET 14
CONT. ON SHEET 16

FLOODWAY
IMPACT 3
FILL: 6 CY.

REM. EXIST. RAILS
AND TIES (TYP.)

PROP. FES (TYP.)
INV.=170.823

PROP. STONE FOR
PIPE ENDS (TYP.)

PROP. 51'-10" DIP
INV.=173.112

PROP. SLOPE
LIMIT (TYP.)

PROP. 12' FULL DEPTH
HMA BIKE PATH (TYP.)

PROP. CONST.
℄ & PGL

PROP. SLOPE
LIMIT (TYP.)

PROP. LOAM
& SEED (TYP.)

PROP. CLEARING
& GRUBBING
(TYP.)

PROP. SWALE
(TYP.)

APPROX. PL

APPROX. PROPERTY LINE

2,586'±

2,330'±

NASHOBA BROOK

PROP. REHABILITATED
BRIDGE STRUCTURE
A-02-030 (BF8)
(NO. 5)

PROP. TIMBER RAIL FENCE (TYP.)

PROP. FES (TYP.)
INV.=172.273

PROP. 68'-10" DIP

END NHESP HABITAT
FOCUS AREA

PROP. HMA DRIVEWAY
(TYP.)

PROP. 10' FULL DEPTH
HMA BIKE PATH (TYP.)

PROP. CLEARING
& GRUBBING (TYP.)

PROP. SWALE (TYP.)

INV.=174.408

PROP. BOULDERS (TYP.)

PROP. 10' X 30' FILTER STRIP
AND LEVEL SPREADER (TYP.)

PROP. LOAM &
SEED (TYP.)

PROP. GRANITE MARKER
(9.50, ACTON)

PROP. SLOPE
LIMIT (TYP.)

PROP. SWALE
(TYP.)

WETLANDS
PERM. IMPACT = 15 SF
TEMP. IMPACT = 47 SF

REM. EXIST. RAILS
AND TIES (TYP.)

REM. 12" ACCMP
PROP. 10" DIP
WITH FES

WETLANDS
TEMP. IMPACT = 50 SF

PROP. COMPOST FILTER
TUBES (TYP.)

WETLANDS
TEMP. IMPACT = 5 SF

TRAIL WITHIN RIVERFRONT AREA
TRAIL WITHIN 100' WETLAND BUFFER
TRAIL WITHIN 100' WETLAND

GRAPHIC SCALE
0 20 40 60 80 120 FEET

MassDOT DWT Version:

WESTFORD, CARLISLE & ACTON
BRUCE FREEMAN RAIL TRAIL PHASE 2A

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	16	31
PROJECT FILE NO.	604532		

PRELIMINARY RIGHT OF WAY
PROPERTY PLAN
SHEET 7 OF 22

06073_ROW_PROP.DWG 7-Apr-2014

PARCEL A–TE–24
ROBBINS BROOK CONDOMINIUM
AREA ABOUT 50 S.F.

N/F
ROBBINS BROOK CONDOMINIUM
BK. 34644 PG. 65

INV.=174.858
PROP. SWALE (TYP.)
APPROX. PL
PROP. 11'–10" DIP
PROP. 6' X 20' REST AREA WITH TWO (2) BENCHES
PROP. SLOPE LIMIT (TYP.)
PROP. CLEARING & GRUBBING (TYP.)
PROP. LOAM & SEED (TYP.)
APPROX. PROPERTY LINE
PROP. 12' FULL DEPTH HMA BIKE PATH (TYP.)
PROP. SWALE (TYP.)
APPROX. PL
PROP. GRANITE MARKER (9.75, ACTON)
WETLANDS TEMP. IMPACT = 15 SF
EXCLUDED AREA
N/F
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF TRANSPORTATION & CONSTRUCTION
BK. 14609 PG. 302

REM. 12" ACCMP
PROP. 10" DIP WITH FES
WETLANDS TEMP. IMPACT = 50 SF
PROP. COMPOST FILTER TUBES (TYP.)
WETLANDS TEMP. IMPACT = 5 SF
REM. EXIST. RAILS AND TIES (TYP.)
WETLANDS PERM. IMPACT = 24 SF TEMP. IMPACT = 61 SF
PROP. HMA WALK
PROP. TIMBER RAIL FENCE (TYP.)
PROP. CONST. ℄ & PGL
PROP. 12' FULL DEPTH HMA BIKE PATH (TYP.)
N/F
NASHOBA SPORTSMAN'S CLUB, INC.
BK. 7006 PG. 310
BK. 7156 PG. 292
BK. 7229 PG. 195
#924
PARCEL A–LT–4
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF TRANSPORTATION & CONSTRUCTION
AREA ABOUT 243,370 S.F.
NAD 83
N
[CONT. ON SHEET 15]

WETLANDS PERM. IMPACT = 216 SF TEMP. IMPACT = 123 SF
EXTEND EXIST. 15" PIPE 7' AT EXIST. SLOPE INV.=173.385 R&R FES
PROP. CLEARING & GRUBBING (TYP.)
PROP. SWALE (TYP.)
R&R PORTION OF FENCE WITHIN ROW
APPROX. PL
APPROX. PL
N/F
KENNEDY MARITAL TRUST
APPROX. PL
N/F
NASHOBA SPORTSMAN'S CLUB, INC.
BK. 25055 PG. 460
APPROX. PL
N/F
KENNEDY LAND CORPORATION

PROP. LOAM & SEED (TYP.)
LUW/OTHER WATERS OF THE U.S. PERM. IMPACT = 7 SF
N/F
REX LUMBER COMPANY
BK. 15986 PG. 480
#9
PROP. PERM. EASEMENT (TYP.)
PROP. SLOPE LIMIT (TYP.)
PARCEL A–E–6
TOWN OF ACTON
AREA ABOUT 49,533 S.F
[CONT. ON SHEET 17]
EXCLUDED AREA
AREA ABOUT 9,416 S.F.
20' WIDE RIGHT OF WAY
BK. 15986 PG. 480
RET. EXIST. CLF W/ PROP. SCREENING (TYP.)
PARCEL A–E–1
REX LUMBER COMPANY
AREA ABOUT 69,006 S.F.
PARCEL A–TE–3
REX LUMBER COMPANY
AREA ABOUT 267,967 S.F.
(SEE NOTE)
PROP. 12' FULL DEPTH HMA BIKE PATH (TYP.)
DEPTH AND LOCATION OF EXIST. DRY HYDRANT LINE TO BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION
PROP. 8' CLF W/ SCREENING (TYP.)
PROP. COMPOST FILTER TUBES (TYP.)
RET. EXIST. CLF W/ PROP. SCREENING (TYP.)
PROP. LOAM & SEED (TYP.)
PARCEL A–TE–22
TOWN OF ACTON
AREA ABOUT 3,172 S.F
PROP. 8' CLF W/ SCREENING (TYP.)
PROP. CLEARING & GRUBBING (TYP.)
PROP. 12' FULL DEPTH HMA BIKE PATH (TYP.)
PROP. CONST. ℄ & PGL
PROP. SLOPE LIMIT (TYP.)
RET. EXIST. CLF W/ PROP. SCREENING (TYP.)
PROP. SWALE (TYP.)
PROP. PERM EASEMENT (TYP.)
PROP ELEC. CONDUIT TO BE INSTALLED IN COORDINATION WITH REX LUMBER CO.
PROP. SLOPE LIMIT (TYP.)
PROP. LOAM & SEED (TYP.)
APPROX. PL
N/F
TOWN OF ACTON
(NARA PARK CONSERVATION)
BK 12918 PG 397

NOTE:

ALL ITEMS WITH PARCEL A–TE–3 ARE TO BE RETAINED UNLESS OTHEWISE NOTED.

GRAPHIC SCALE
0 20 40 60 80 120FEET

MassDOT DWT Version:

WESTFORD, CARLISLE & ACTON
BRUCE FREEMAN RAIL TRAIL PHASE 2A

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	17	31
PROJECT FILE NO.	604532		

PRELIMINARY RIGHT OF WAY
PROPERTY PLAN
SHEET 8 OF 22

7-Apr-2014

06073_ROW_PROP.DWG

[CONT. ON SHEET 15]

EXCLUDED AREA
AREA ABOUT 9,416 S.F.

20' WIDE RIGHT OF WAY
BK. 15986 PG. 480

N/F
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF
TRANSPORTATION
& CONSTRUCTION
BK. 14609 PG. 302

N/F
REX LUMBER COMPANY
(REGISTERED LAND)
BK. 927 PG. 85

N/F
ACTON BLOCK
COMPANY
(REGISTERED LAND)
BK. 539 PG. 6
#816

APPROX. PROPERTY LINE

EXCLUDED AREA

PARCEL A–TE–3
REX LUMBER COMPANY
AREA ABOUT 267,967 S.F.

N/F
REX LUMBER COMPANY
BK. 15986 PG. 480

R&R BENCH

PROP. 5' X 12' CEM.
CONC. LEVEL LANDING

EXTEND EXIST.
12" RCP 10' AT
EXIST. SLOPE
INV.=175.231

PROP. SWALE
(TYP.)

PROP. LOAM
& SEED (TYP.)

PROP. CONST.
℄ & PGL

R&R BENCH

R&R BOULDER

EXCLUDED AREA
AREA ABOUT 16,290 S.F.

PROP. LANDSCAPING (TYP.)

PROP. 12' FULL DEPTH
HMA BIKE PATH (TYP.)

PROP. ELECTRIC
CONNECTION

RET CB & PIPE

R&R ELEC. GATE
AND EQUIPMENT

R&R GATE TO
STA. 103+70 RT

PROP. 8' CHAIN LINK
FENCE W/ SCREENING
(TYP.)

PROP. TIMBER RAIL FENCE (TYP.)

REM. BIT BERM WITHIN
PROPOSED WORK

R&S 7' CLF WITHIN ROW

PROP. CLEARING
& GRUBBING (TYP.)

APPROX. PROPERTY LINE

PROP. MODULAR
BLOCK WALL (TYP.)
STA. 104+90 RT TO
STA. 105+40 RT

PARCEL A–E–2
REX LUMBER COMPANY
AREA ABOUT 10,701 S.F.

PROP. COMPOST
FILTER TUBES (TYP.)

PROP. 12' FULL DEPTH
HMA BIKE PATH (TYP.)

PROP. PERM.
EASEMENT (TYP.)

RET. 6.5' CLF

R&R GATE FROM
STA. 105+33 LT

PROP. GRANITE
MONUMENT – SIDE A

PARCEL A–LT–10
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF
TRANSPORTATION & CONSTRUCTION
AREA ABOUT 58,665 S.F.

N/F
7 LEDGE ROCK WAY
REALTY TRUST
BK. 40087 PG. 135
#1

PARCEL A–TE–23
REX LUMBER COMPANY
AREA ABOUT 235 S.F.

PARCEL A–TE–21
6 REX LANE REALTY TRUST
AREA ABOUT 95 S.F.

PROP. CEM.
CONC. WCR #1

N/F
6 REX LANE
REALTY TRUST
BK. 38465 PG. 575
#6

PROP. FULL DEPTH
HMA PARKING LOT

REX LANE (PRIVATE)

LEDGE ROCK WAY (PUBLIC)

1997 TOWN LAYOUT

[CONT. ON SHEET 17]

RET. EXIST. CLF W/
PROP. SCREENING (TYP.)

RET. EXISTING
ACCESS GATE

PROP. 12' FULL DEPTH
HMA BIKE PATH (TYP.)

DEPTH AND LOCATION OF
EXIST. DRY HYDRANT LINE TO
BE VERIFIED BY CONTRACTOR
PRIOR TO CONSTRUCTION

PROP. 8' X 12' CEM.
CONC. LEVEL LANDING

R&R BENCH (2)

PROP. 8' X 12' CEM.
CONC. LEVEL LANDING

PROP 40'–10" DIP W/ FES
INV.=177.618

PARCEL A–TE–22
TOWN OF ACTON
AREA ABOUT 3,172 S.F

INV.=181.592

R&R BOULDER

PROP. CLEARING
& GRUBBING (TYP.)

PROP. 6' WALKING PATH
MEET EXIST.

PROP. LANDSCAPING (TYP.)

PARCEL A–E–6
TOWN OF ACTON
AREA ABOUT 49,533 S.F

PROP. TIMBER RAIL FENCE (TYP.)

R&R BOULDER (2)

PROP. SLOPE
LIMIT (TYP.)

R&R BENCH TO
STA. 100+00

R&R BENCH FROM
STA. 96+47

PROP. 8' X 12' CEM.
CONC. LEVEL LANDING

LINE OF EASEMENT (TYP.)

R&R PICNIC TABLE

N/F
TOWN OF ACTON
(NARA PARK CONSERVATION)
BK 12918 PG 397

PARCEL A–E–7
TOWN OF ACTON
AREA ABOUT 1,383 S.F.

R&S 9' CLF TO
CONC. WALL

PROP. SLOPE
LIMIT (TYP.)

PROP. REMOVABLE
BOLLARD

PROP. BOULDERS
(TYP.)

PROP. DISPLAY BOARD (TYP.)

PROP. FULL DEPTH
HMA PARKING LOT

PROP. MIN. 5.5' CEM.
CONC. SIDEWALK

PROP. HMA CURB
TYPE 3

LINE OF EASEMENT (TYP.)

PROP. HMA
CURB TYPE 3

PROP. HMA CURB
TYPE 3

PARCEL A–TE–7
TOWN OF ACTON
AREA ABOUT 110,738 S.F

NAD 83

N

NOTE:

ALL ITEMS WITH PARCEL A–TE–3 ARE TO
BE RETAINED UNLESS OTHEWISE NOTED.

GRAPHIC SCALE
0 20 40 60 80 120FEET

MassDOT DWT Version:

WESTFORD, CARLISLE & ACTON
BRUCE FREEMAN RAIL TRAIL PHASE 2A

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	18	31
PROJECT FILE NO.	604532		

PRELIMINARY RIGHT OF WAY
PROPERTY PLAN
SHEET 9 OF 22

24-Mar-2014

06073_ROW_PROP.DWG

NAD 83

N

CONT. ON SHEET 17

CONT. ON SHEET 19

PARCEL A–TE–3
REX LUMBER COMPANY
AREA ABOUT 267,967 S.F.

N/F
ACTON BLOCK COMPANY
(REGISTERED LAND)
BK. 539 PG. 6
#816

N/F
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF TRANSPORTATION
& CONSTRUCTION
BK. 14609 PG. 302

MAIN STREET
(ROUTE 27) (PUBLIC)

1915 COUNTY LAYOUT

PARCEL A–LT–5
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF
TRANSPORTATION & CONSTRUCTION
AREA ABOUT 394,888 S.F.

N/F
CHRISTOPHER WILLIAMS
& DIANE WILLIAMS
BK. 17879 PG. 468
#7

PROP. TIMBER RAIL FENCE (TYP.)

PROP. CLEARING
& GRUBBING (TYP.)

PROP. COMPOST
FILTER TUBES (TYP.)

PROP. SLOPE
LIMIT (TYP.)

WETLANDS
TEMP. IMPACT = 1 SF

PROP. CLEARING
& GRUBBING (TYP.)

PROP. CONST.
℄ & PGL

WETLANDS
TEMP. IMPACT = 9 SF

PROP. LOAM &
SEED (TYP.)

PROP. CEM. CONC. SIDEWALK
THROUGH DRIVEWAY

ABAN. SEPTIC SYSTEM

PROP. GRAVEL
PARKING LOT

PROP. BOULDER
(TYP.)

PROP. LOAM
& SEED (TYP.)

EXISTING
UTILITY
EASEMENT
PLAN 319
OF 1986

(R&R U.P.,
B.O.)
(RET.)

TRANSITION BIKE PATH
FROM 12' TO 10'
(STA. 114+55 TO 115+21)

PROP. BOXWOOD PLANTING
FOR SCREENING (18)

PROP. FULL DEPTH
HMA DRIVEWAY

PROP. SWALE
(TYP.)

APPROX. PROPERTY LINE

WETLANDS
BANK IMPACT = 18 LF

REBUILD EXIST. GRANITE
HEADWALL

WETLANDS
BANK IMPACT = 6 LF

LINE OF UTILITY EASEMENT

APPROX. PROPERTY LINE

PROP. 12' FULL DEPTH
HMA BIKE PATH (TYP.)

PROP. GRANITE MARKER
(10.00, ACTON)

R&S 7' CLF WITHIN ROW

PARCEL A–E–2
REX LUMBER COMPANY
AREA ABOUT 10,701 S.F.

RET. 6.5' CLF

PARCEL A–LT–10
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF
TRANSPORTATION & CONSTRUCTION
AREA ABOUT 58,665 S.F.

PROP. SLOPE
LIMIT (TYP.)

PROP. SWALE
(TYP.)

PROP. CEMENTED STONE MASONRY WALL
STA. 111+75 RT TO STA. 113+29 RT

PROP.
ACCESS PATH

REM. PORTION
OF STONE WALL

PROP. LANDSCAPING

PROP. 10' X 30' FILTER STRIP
AND LEVEL SPREADER (TYP.)

PROP. DRAINAGE
IMPROVEMENTS (B.O.)
(SEE NOTE 2)

N/F
REDLEDGE REALTY
TRUST VI
BK. 31982 PG. 1

PROP. LANDSCAPING
W/ BIOSWALE SEED MIX

N/F
PHILIP A. HARRIS
AND LORNA HARRIS,
(1/4 UNDIVIDED INTEREST)
FREDERICK A. HARRIS &
LEOTA P. HARRIS
(3/4 UNDIVIDED INTEREST)
BK. 20489 PG. 497

N/F
781 MAIN STREET
REALTY TRUST
BK. 18991 PG. 278
#781

PROP. EOP

PROP. GRAVEL
DRIVEWAY

PROP. HIGHWAY GUARD WITH
TIMBER RUB RAIL (TYP.)

LUW/OTHER WATERS OF
THE U.S
TEMP. IMPACT = 33 SF

N/F
7 LEDGE ROCK WAY
REALTY TRUST
BK. 40087 PG. 135
#1

PARCEL A–TE–23
REX LUMBER COMPANY
AREA ABOUT 235 S.F.

PARCEL A–E–7
TOWN OF ACTON
AREA ABOUT 1,383 S.F.

PARCEL A–TE–21
6 REX LANE REALTY TRUST
AREA ABOUT 95 S.F.

N/F
6 REX LANE
REALTY TRUST
BK. 38465 PG. 575

PARCEL A–TE–7
TOWN OF ACTON
AREA ABOUT 110,738 S.F

#6

REX LANE (PRIVATE)

LEDGE ROCK WAY (PUBLIC)

PARCEL A–TE–19
PHILIP A. HARRIS
AND LORNA HARRIS,
(1/4 UNDIVIDED INTEREST)
FREDERICK A. HARRIS &
LEOTA P. HARRIS
(3/4 UNDIVIDED INTEREST)
AREA ABOUT 362 S.F.

N/F
REDLEDGE REALTY TRUST III
BK. 29757 PG. 119
#7

N/F
JAMES J. REDMOND, JR. AND
JENNINE M. REDMOND
BK. 40087 PG. 132
#5

GRAPHIC SCALE
0 20 40 60 80 120FEET

MassDOT DWT Version:

WESTFORD, CARLISLE & ACTON
BRUCE FREEMAN RAIL TRAIL PHASE 2A

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	19	31
PROJECT FILE NO.	604532		

PRELIMINARY RIGHT OF WAY
PROPERTY PLAN
SHEET 10 OF 22

17-Mar-2014
06073_ROW_PROP.DWG

NAD 83

N/F
CHRISTOPHER WILLIAMS &
DIANE WILLIAMS
BK. 17879 PG. 468
#7

WETLANDS
BANK IMPACT = 18 LF

REBUILD EXIST. GRANITE HEADWALL

WETLANDS
BANK IMPACT= 50 LF

TRANSITION BIKE PATH
FROM 10' TO 12
(STA. 117+75 TO 117+86)

WETLANDS
BANK IMPACT = 6 LF

PROP. FULL DEPTH HMA DRIVEWAY

PROP. 12' FULL DEPTH HMA BIKE PATH (TYP.)

LINE OF UTILITY EASEMENT

8'±

400'±

APPROX. PL

N/F
CHARLES B. ROWLEY III &
ANITA Q. ROWLEY
BK. 23291 PG. 281
#5

N/F
GERALD J. McGAVICK, III &
DONNA P. McGAVICK
BK. 27493 PG. 511
#7

PROP. GRANITE MARKER
(10.25, ACTON) (SEE
SHEET 88 FOR DETAILS)

PROP. 6' STONE
DUST TRAIL (TYP.)

N/F
RICHARD W. FORTIER &
MARGARET R. FORTIER
BK. 19878 PG. 43
#9

stone wall

N/F
GRANT E. HICKS, &
LUCIA HICKS
BK. 25030 PG. 58
#11

PROP. CLEARING
& GRUBBING (TYP.)

PARCEL A-LT-5
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF
TRANSPORTATION & CONSTRUCTION
AREA ABOUT 394,888 S.F.

PROP. CONST.
℄ & PGL

1988 TOWN LAYOUT
SAWMILL ROAD
(PUBLIC)
1988 TOWN LAYOUT

N/F
MICHAEL S. BRANDSTEIN &
KAREN M. BRANDSTEIN
BK. 42910 PG. 382
#13

N/F
DAVID G. DAVIDSON &
ANNE M. FULGINITI
BK. 24563 PG. 122
#15

CONT. ON SHEET 20

TRAIL WITHIN 100' WETLAND BUFFER

PROP. SLOPE
LIMIT (TYP.)

8'±

N/F
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF TRANSPORTATION & CONSTRUCTION
BK. 14609 PG. 302

APPROX. PROPERTY LINE
745'±

PROP. 12' FULL DEPTH
HMA BIKE PATH (TYP.)

PROP. SLOPE
LIMIT (TYP.)

PROP. SWALE (TYP.)

REM. EXIST. RAILS
AND TIES (TYP.)

L=558'±

TOS

BOS

PC
+31.61

L=240'±

117 118 119 120 121 122 123 124 125 126 127 128 129

(RET.) 1.392'±

APPROX. PROPERTY LINE
1,382'±

PROP. EDGE
OF GRAVEL

PROP. SWALE
(TYP.)

PROP. LOAM
& SEED (TYP.)

EXISTING 15' WIDE
RIGHT OF WAY
BK. 26724 PG. 528

DIRT MOUND

VENT PIPE

PROP. TIMBER RAIL FENCE (TYP.)

PROP. 6' STONE
DUST TRAIL (TYP.)

(RET.)
STONE WALL W/
METAL FENCE

N/F
781 MAIN STREET
REALTY TRUST
BK. 18991 PG. 278
#781

PROP. EOP

PROP. GRAVEL
DRIVEWAY

PROP. HIGHWAY GUARD WITH
TIMBER RUB RAIL (TYP.)

REM. EXIST. RAILS
AND TIES (TYP.)

N/F
773 MAIN STREET REALTY TRUST
BK. 1059 PG. 155
#773

N/F
MARK M. FINNERAN &
PIA S. FINNERAN
BK. 27069 PG. 26
#100

HARRIS STREET
(PUBLIC)
187.6' COUNTY LAYOUT
187.6' COUNTY LAYOUT

PROP. COMPOST FILTER
TUBES (TYP.)

PROP. BOXWOOD PLANTING
FOR SCREENING (61)

PROP. SWALE (TYP.)

N/F
MICHAEL J. GOWING
BK. 39288 PG. 145
#93

N/F
WILLIAM N. HALL
BK. 11728 PG. 580
#751

N/F
WILLIAM N. HALL
BK. 11728 PG. 580
#747

N/F
JASON KOMULAINEN &
ANDREA KOMULAINEN
BK. 45824 PG. 339
#743

[CONT. ON SHEET 18]

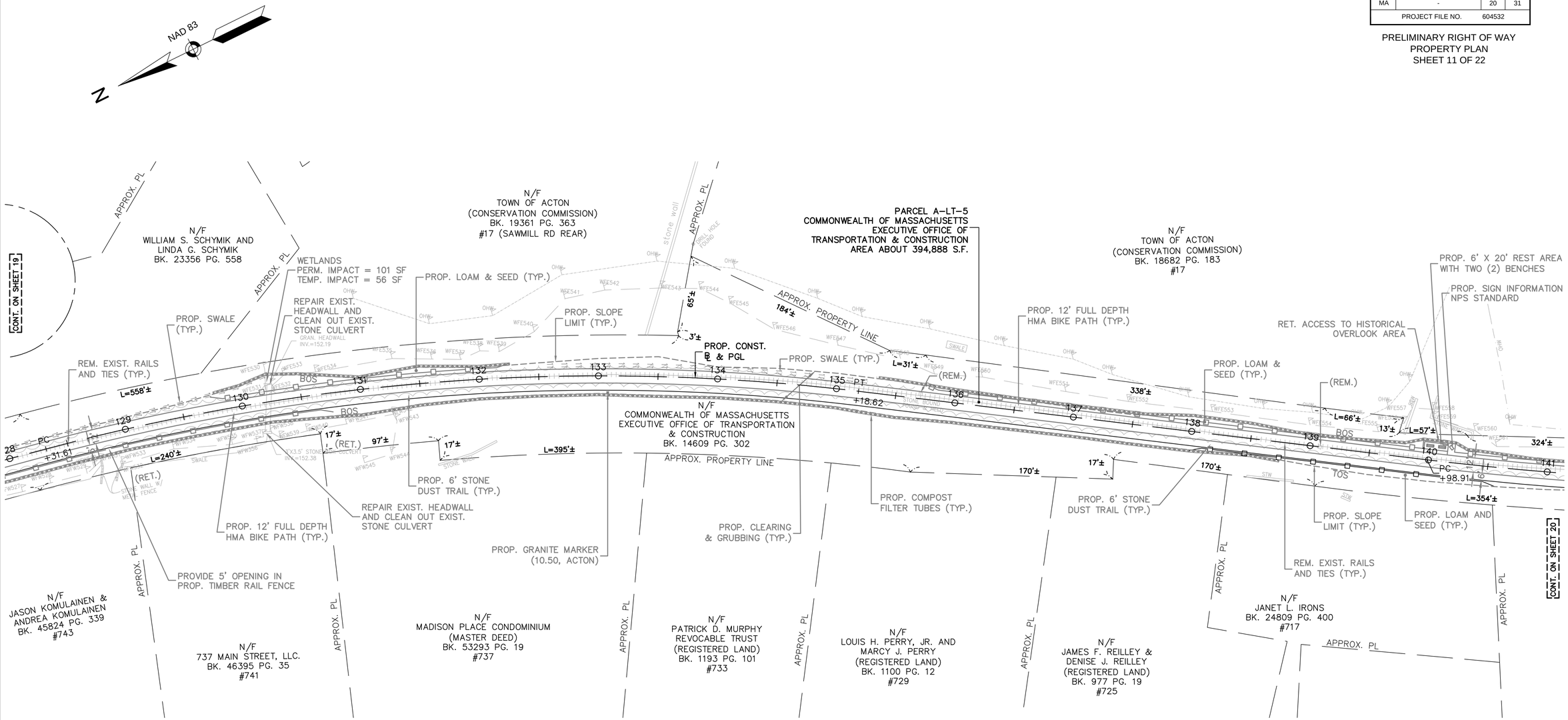
GRAPHIC SCALE
0 20 40 60 80 120 FEET

MassDOT DWT Version:

WESTFORD, CARLISLE & ACTON
BRUCE FREEMAN RAIL TRAIL PHASE 2A

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	20	31
PROJECT FILE NO.	604532		

PRELIMINARY RIGHT OF WAY
PROPERTY PLAN
SHEET 11 OF 22



GRAPHIC SCALE
0 20 40 60 80 120 FEET

MassDOT DWT Version:

06073_ROW_PROP.DWG 24-Mar-2014

WESTFORD, CARLISLE & ACTON
BRUCE FREEMAN RAIL TRAIL PHASE 2A

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	21	31
PROJECT FILE NO.	604532		

PRELIMINARY RIGHT OF WAY
PROPERTY PLAN
SHEET 12 OF 22

25-Mar-2014

06073_ROW_PROP.DWG

NAD 83

N

RET. ACCESS TO HISTORICAL OVERLOOK AREA

PROP. 6' X 20' REST AREA WITH TWO (2) BENCHES

PROP. SIGN INFORMATION NPS STANDARD

PROP. COMPOST FILTER TUBES (TYP.)

PROP. 12' FULL DEPTH HMA BIKE PATH (TYP.)

PROP. TIMBER RAIL FENCE (TYP.)

N/F
TOWN OF ACTON
BK. 18682 PG. 183
#17

PROP. REHABILITATED BRIDGE STRUCTURE A-02-032 (BGO) (NO. 4)

BEGIN NHESP HABITAT FOCUS AREA

PARCEL A-LT-5
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF
TRANSPORTATION & CONSTRUCTION
AREA ABOUT 394,888 S.F.

PROP. CLEARING & GRUBBING (TYP.)

PROP. SILT FENCE W/ STRAW BALES (TYP.)

N/F
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF TRANSPORTATION
& CONSTRUCTION
BK. 14609 PG. 302

PROP. CONST. ℄ & PGL

APPROX. PROPERTY LINE
606'±

WETLANDS TEMP. IMPACT = 37 SF

PROP. 10' FULL DEPTH HMA BIKE PATH (TYP.)

APPROX. PL

N/F
THE ARBORS AT BELLOWS
FARM CONDOMINIUM
(MASTER DEED)
BK. 19256 PG. 478

PROP. SLOPE LIMIT (TYP.)

WETLANDS TEMP. IMPACT = 3 SF

PROP. LOAM & SEED

REM. EXIST. RAILS AND TIES (TYP.)

886'±

L=57'±

324'±

140

141

142

143

144

145

146

147

148

149

150

151

152

PC
+98.91

PT
+87.13

L=354'±

BOS

NASHOBA BROOK

6'±

(REM.)

16" STEEL BEAMS

TRAIL WITHIN 100' WETLAND BUFFER
TRAIL WITHIN RIVERFRONT AREA

APPROX. PROPERTY LINE

1,592'±

PROP. LOAM AND SEED (TYP.)

PROP. SLOPE LIMIT (TYP.)

PROP. 6' STONE DUST TRAIL (TYP.)

REM. EXIST. RAILS AND TIES (TYP.)

PROP. LOAM & SEED (SEE NOTE 2)

PROP. TIMBER RAIL FENCE (TYP.)

PROP. GRANITE MARKER (10.75, ACTON)

PROP. SILT FENCE W/ STRAW BALES (TYP.)

PROP. 6' STONE DUST TRAIL (TYP.)

PROP. CLEARING & GRUBBING (TYP.)

N/F
TOWN OF ACTON
BK. 18682 PG. 183
(CONSERVATION AREA)
#0

N/F
LAURENCE E. ULLMANN
AND
HELEN S. ULLMANN
BK. 11596 PG. 620
#713

N/F
LAURENCE E. ULLMANN AND
HELEN S. ULLMANN
BK. 11596 PG. 618
#709

CONT. ON SHEET 20

CONT. ON SHEET 22

GRAPHIC SCALE
0 20 40 60 80 120FEET

MassDOT DWT Version:

WESTFORD, CARLISLE & ACTON
BRUCE FREEMAN RAIL TRAIL PHASE 2A

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	22	31
PROJECT FILE NO.	604532		

PRELIMINARY RIGHT OF WAY
PROPERTY PLAN
SHEET 13 OF 22

24-Mar-2014

06073_ROW_PROP.DWG

NAD 83

N

[CONT. ON SHEET 21]

REM. EXIST. RAILS AND TIES (TYP.)

886'±

WETLANDS TEMP. IMPACT = 29 SF

PROP. 10' FULL DEPTH HMA BIKE PATH (TYP.)

REM. EXIST. RAILS AND TIES (TYP.)

N/F
THE ARBORS AT BELLOWS FARM CONDOMINIUM
(MASTER DEED)
BK. 19256 PG. 478

(ABAN.)
APPROX. CULVERT LOCATION (BURIED)

APPROX. PROPERTY LINE

PROP. SILT FENCE W/ STRAW BALES (TYP.)

PROP. CONST. ℄ & PGL

PROP. TIMBER RAIL FENCE (TYP.)

PARCEL A–LT–5
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF TRANSPORTATION & CONSTRUCTION
AREA ABOUT 394,888 S.F.

N/F
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF TRANSPORTATION & CONSTRUCTION
BK. 14609 PG. 302

PROP. 10' FULL DEPTH HMA BIKE PATH (TYP.)

PROP. SLOPE LIMIT (TYP.)

PROP. LOAM & SEED (SEE NOTE 2)

L=501'±

[CONT. ON SHEET 23]

REM. EXIST. RAILS AND TIES (TYP.)

437'±

584'±

PROP. LOAM & SEED (SEE NOTE 2)

PROP. 6' STONE DUST TRAIL (TYP.)

PROP. SLOPE LIMIT (TYP.)

L=513'±

PROP. GRANITE MARKER (11.00, ACTON)

1,592'±

BOS

152 153 154 155 156 157 158 PC 159 +84.69 160 BOS 161 162 163 PT +46.13 164

TOS

PROP. CLEARING & GRUBBING (TYP.)

APPROX. CULVERT LOCATION (BURIED)
(ABAN.)

TRAIL WITHIN 100' WETLAND BUFFER
TRAIL WITHIN RIVERFRONT AREA

PROP. MODULAR BLOCK WALL
STA. 154+00 RT TO STA. 157+16 RT

WETLANDS TEMP. IMPACT = 14 SF

PROP. 6' STONE DUST TRAIL (TYP.)

N/F
TOWN OF ACTON
BK. 18682 PG. 183
#0

PROP. TIMBER RAIL FENCE (TYP.)

FUTURE PATH TO VETERANS MEMORIAL FIELD & PARKING AREA (B.O.)

APPROX. PL

WETLANDS TEMP. IMPACT = 1 SF

PROP. CLEARING & GRUBBING (TYP.)

PROP. TIMBER RAIL FENCE (TYP.)

N/F
THE TOWN OF ACTON
BK. 14178 PG. 179
#323

GRAPHIC SCALE
0 20 40 60 80 120 FEET

MassDOT DWT Version:

WESTFORD, CARLISLE & ACTON
BRUCE FREEMAN RAIL TRAIL PHASE 2A

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	23	31
PROJECT FILE NO.	604532		

PRELIMINARY RIGHT OF WAY
PROPERTY PLAN
SHEET 14 OF 22

25-Mar-2014
06073_ROW_PROP.DWG

NAD 83

N/F
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF TRANSPORTATION
& CONSTRUCTION
BK. 14609 PG. 302

N/F
THE ARBORS AT BELLOWS
FARM CONDOMINIUM
(MASTER DEED)
BK. 19256 PG. 478

PARCEL A–LT–5
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF
TRANSPORTATION & CONSTRUCTION
AREA ABOUT 394,888 S.F.

N/F
THE SPENCER VALLEY REALTY TRUST
BK. 25103 PG. 522
#301

N/F
CONCORD WATER
SERVICE
#300

N/F
GREAT ROAD PROFESSIONAL
PARK CONDOMINIUM
(MASTER DEED)
BK. 41493 PG. 294
#296

[CONT. ON SHEET 22]

[CONT. ON SHEET 24]

REM. EXIST. RAILS AND TIES (TYP.)
PROP. TIMBER RAIL FENCE (TYP.)
PROP. CLEARING & GRUBBING (TYP.)
PROP. 10' FULL DEPTH HMA BIKE PATH (TYP.)
APPROX. PL
PROP. 8' WIDE BY 6' TALL CONC. CULVERT FOR ANIMAL CROSSINGS INV.=142.500
PROP. MSE RETAINING WALL (TYP.) (SEE TYPICAL SECTIONS STA. 165+50 TO STA 601+32)
WETLANDS PERM. IMPACT = 192 SF TEMP. IMPACT = 297 SF
RET. EXIST. STONE CULVERT AND HEADWALLS IN COORDINATION WITH PROP. MSE RETAINING WALL CONSTRUCTION
PROP. 8' CLF
PROP. PREFABRICATED BRIDGE A–02–014 (A5T)
END NHESP HABITAT FOCUS AREA
PROP. FULL DEPTH HMA CONSTRUCTION AT ROADWAY CROSSING WITH 10' MILL AND OVERLAY TRANSITIONS AT APPROACHES (TYP.)
PROP. 89'–6" DIP
PROP. STONE FOR PIPE END
JUNE 11, 1940 SHLO NO. 3350
APPROX. PL
PROP. SLOPE LIMIT (TYP.)
STONE WALL
APPROX. PROPERTY LINE
437'±
584'±
9'±
393'±
404'±
233'±
112'±
24'±
108'±
14'±
26'±
25'±
L=440'±
902'±
L=65'±
17'±
L=490'±
PT +46.13
PC 601
PRC +15.16
PC 602
PRC +82.35
PC 603
PRC +46.15
PR 604 +89.75
PT +40.29
164
165
166
167
600
172
173
174
175
176
BOS
PROP. CONST. ℄ & PGL
PROP. FUTURE SIDEWALK
PROP. 12' FULL DEPTH HMA BIKE PATH (TYP.)
PROP. LOAM & SEED (TYP.)
PROP. SLOPE LIMIT (TYP.)
REM. EXIST. RAILS AND TIES (TYP.)
PROP. 6' STONE DUST TRAIL (TYP.)
PROP. TIMBER RAIL FENCE (TYP.)
PROP. SILT FENCE W/ STRAW BALES (TYP.)
WETLANDS PERM. IMPACT = 49 SF TEMP. IMPACT = 136 SF
N/F
THE TOWN OF ACTON
(CONSERVATION COMMISSION)
BK. 14178 PG. 179
#323
PARCEL A–TE–14
TOWN OF ACTON
AREA ABOUT
3,568 S.F.
WETLANDS PERM. IMPACT = 69 SF
PROP. MSE RETAINING WALL (TYP.) (SEE TYPICAL SECTIONS STA. 166+00 TO STA 601+06)
LUW/OTHER WATERS OF THE U.S. TEMP. IMPACT = 262 SF
INV.=140.200
PROP. 10.5' ACCESS ROAD
WETLANDS TEMP. IMPACT = 196 SF
JUNE 11, 1940 SHLO NO. 3350
GREAT ROAD (ROUTE 2A)
(PUBLIC)
NASHOBA BROOK
R&R UP (B.O.)
R&R 2 ADDITIONAL UTILITY POLES (B.O.) TO ACHIEVE ELEVATION CHANGE REQ'D)
R&R (2) UP (B.O.)
WETLANDS PERM. IMPACT = 4 SF TEMP. IMPACT = 50 SF
PROP. STEEL PIPE ACCESS GATE
WETLANDS PERM. IMPACT = 102 SF TEMP. IMPACT = 119 SF
N/F
KATHERINE T. SOUTHALL
BK. 11264 PG. 602
#304
PROP. WATER MAIN RELOCATION
PROP. 16" 45° BEND (4)
PROP. MSE RETAINING WALL (TYP.) (SEE TYPICAL SECTIONS STA. 603+20 TO STA 604+30)
PROP. GRANITE MARKER (11.25, ACTON)
PROP. CLEARING & GRUBBING (TYP.)
PARCEL A–LT–6
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF
TRANSPORTATION & CONSTRUCTION
AREA ABOUT 124,587 S.F.
N/F
ACTON WATER
SUPPLY DISTRICT

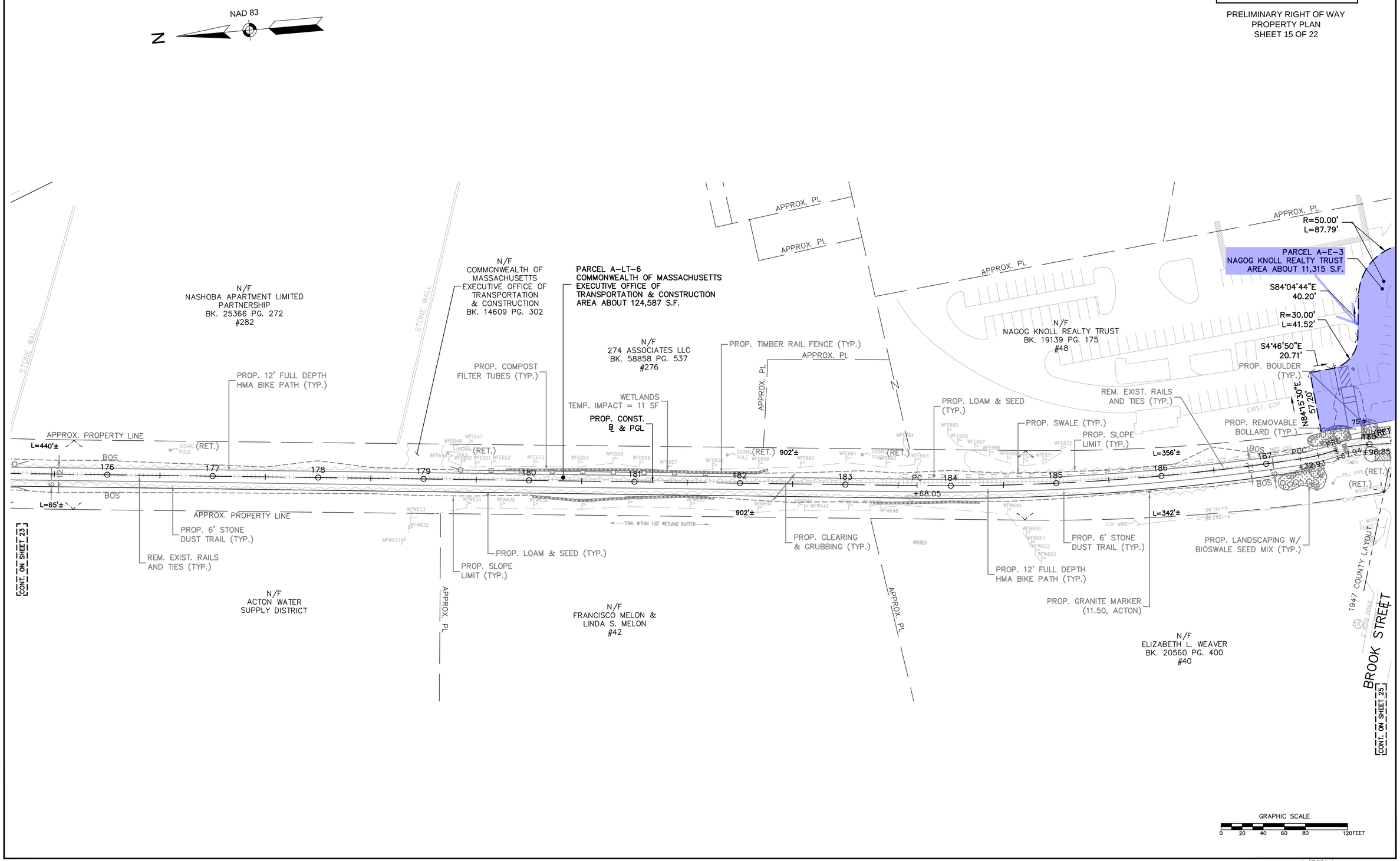
GRAPHIC SCALE
0 20 40 60 80 120 FEET

MassDOT DWT Version:

WESTFORD, CARLISLE & ACTON
BRUCE FREEMAN RAIL TRAIL PHASE 2A

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	24	31
PROJECT FILE NO.	604532		

PRELIMINARY RIGHT OF WAY
PROPERTY PLAN
SHEET 15 OF 22



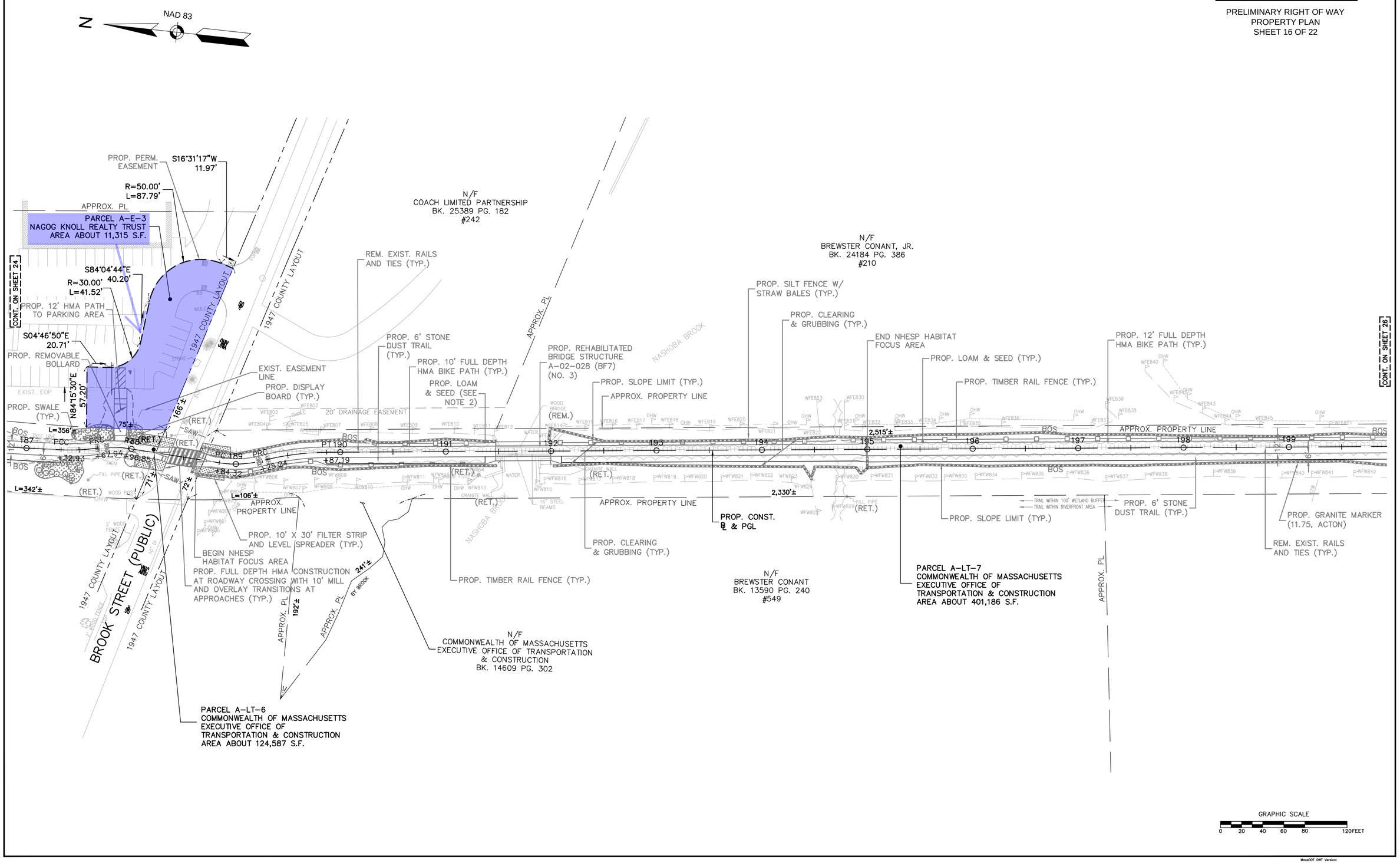
06073_ROW_PROP.DWG 24-Mar-2014

MassDOT DWT Version:

WESTFORD, CARLISLE & ACTON
BRUCE FREEMAN RAIL TRAIL PHASE 2A

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	25	31
PROJECT FILE NO.	604532		

PRELIMINARY RIGHT OF WAY
PROPERTY PLAN
SHEET 16 OF 22



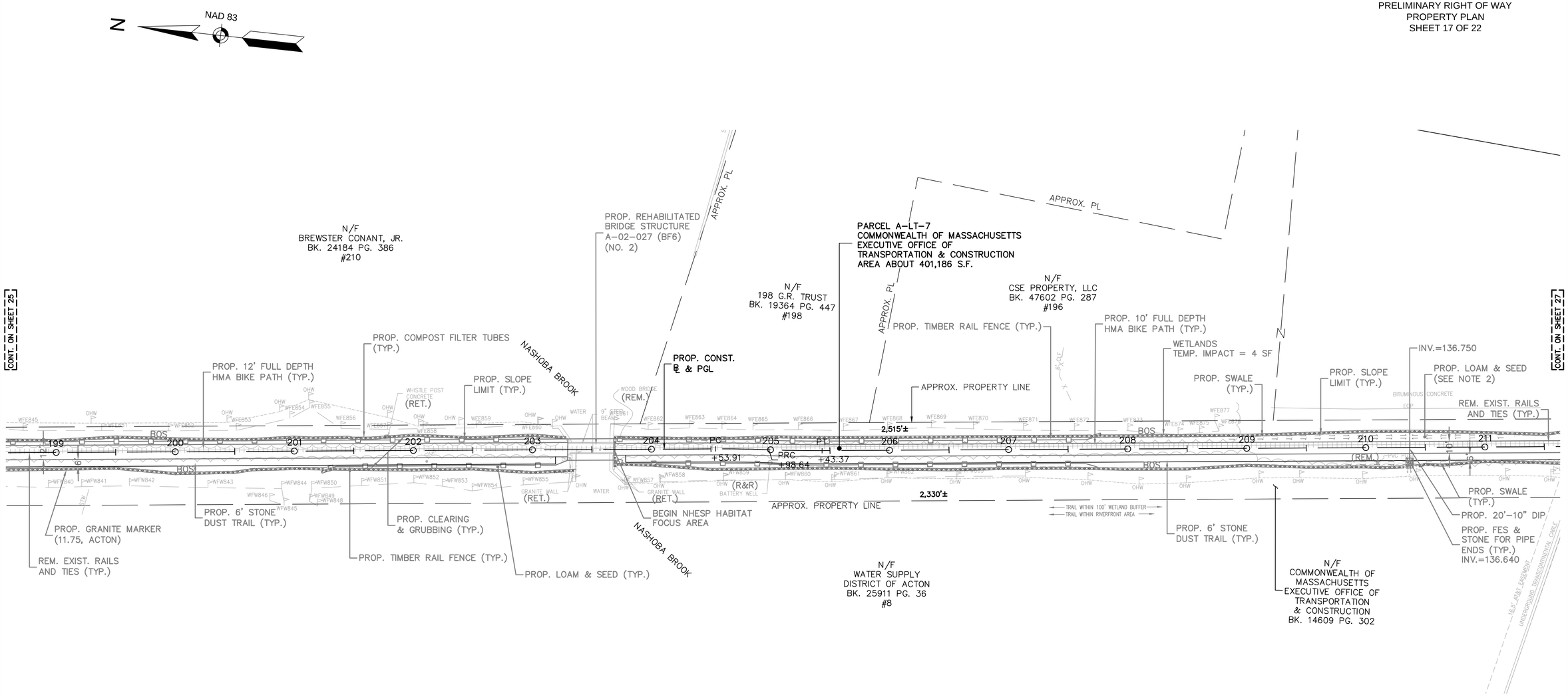
06073_ROW_PROP.DWG 17-Mar-2014

MassDOT DWT Version:

WESTFORD, CARLISLE & ACTON
BRUCE FREEMAN RAIL TRAIL PHASE 2A

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	26	31
PROJECT FILE NO.		604532	

PRELIMINARY RIGHT OF WAY
PROPERTY PLAN
SHEET 17 OF 22



06073_ROW_PROP.DWG 17-Mar-2014

MassDOT DWT Version:

WESTFORD, CARLISLE & ACTON
BRUCE FREEMAN RAIL TRAIL PHASE 2A

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	27	31
PROJECT FILE NO.	604532		

PRELIMINARY RIGHT OF WAY
PROPERTY PLAN
SHEET 18 OF 22

06073_ROW_PROP.DWG 24-Mar-2014

N
NAD 83

GREAT ROAD (ROUTE 2A) (PUBLIC)
JUNE 11, 1940 SHLO NO. 3350

N/F
CSE PROPERTY, LLC
BK. 47602 PG. 287
#196

N/F
182–184 GREAT ROAD
CONDOMINIUM
(MASTER DEED)
BK. 41965 PG. 122
#182–184

N/F
VANASH INTERIORS, INC.
BK. 50618 PG. 265
#178

#172

N/F
FEDERAL INVESTMENT
TRUST NO. 1
BK. 14973 PG. 239
#170

#166

N/F
AEC REALTY TRUST
BK. 41476 PG. 235
#164

N/F
BILLINGS REALTY
COMPANY
BK. 12943 PG. 112
#162

N/F
160 GREAT ROAD
REALTY TRUST
BK. 29364 PG. 508
#160

N/F
INDEPENDENT, LLC
BK. 30283 PG. 113
#156

APPROX. PL

INV.=136.750
PROP. LOAM & SEED
(SEE NOTE 2)
REM. EXIST. RAILS
AND TIES (TYP.)
PROP. SWALE
(TYP.)
PROP. 20'–10" DIP
PROP. FES &
STONE FOR PIPE
ENDS (TYP.)
INV.=136.640
[CONT. ON SHEET 26]

PROP. 10' FULL DEPTH
HMA BIKE PATH (TYP.)
REBUILD
EXISTING
HEADWALL
WETLANDS
PERM. IMPACT = 3 SF
TEMP. IMPACT = 92 SF
2,515'±
2,330'±
PROP. 6' STONE
DUST TRAIL (TYP.)
PROP. SILT FENCE W/ STRAW
BALES (TYP.)
REBUILD
EXISTING
HEADWALL
LUW/OTHER WATERS OF THE U.S.
TEMP. IMPACT = 34 SF
WETLANDS
TEMP. IMPACT = 5 SF
N/F
KEVIN C. MELIA &
ANN M. MELIA
BK. 24504 PG. 403
#24
NASHOBA BROOK
U.S. ARMY EASEMENT
UNDERGROUND TRANSCONTINENTAL CABLE

PROP. LOAM & SEED
(SEE NOTE 2)
PROP. SLOPE
LIMIT (TYP.)
PROP. CLEARING
& GRUBBING (TYP.)
LUW/OTHER WATERS OF THE U.S.
TEMP. IMPACT = 17 SF

WETLANDS
TEMP. IMPACT = 29 SF
(REBUILD EXIST.
HEADWALL)
PROP. SLOPE
(TYP.)
PROP. CONST.
& PGL
(REBUILD EXIST.
HEADWALL &
ROOF SLAB)
PROP. SLOPE LIMIT (TYP.)
PROP. SWALE
(TYP.)
N/F
EDWARD P. BOYAJIAN AND
ALISHA P. BOYAJIAN
BK. 48717 PG. 565
#26

PARCEL A–LT–7
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF
TRANSPORTATION & CONSTRUCTION
AREA ABOUT 401,186 S.F.

APPROX. PROPERTY LINE
PROP. 10' FULL
DEPTH HMA BIKE
PATH (TYP.)
WETLANDS
TEMP. IMPACT
= 3 SF
L=1,102'±
L=1,115'±
PROP. CLEARING
& GRUBBING (TYP.)
PROP. 6' STONE
DUST TRAIL (TYP.)
REM. EXIST. RAILS
AND TIES (TYP.)
N/F
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF TRANSPORTATION
& CONSTRUCTION
BK. 14609 PG. 302
PROP. TIMBER RAIL FENCE (TYP.)
WETLANDS
TEMP. IMPACT = 4 SF
[CONT. ON SHEET 26]

GRAPHIC SCALE
0 20 40 60 80 120 FEET

MassDOT DWT Version:

WESTFORD, CARLISLE & ACTON
BRUCE FREEMAN RAIL TRAIL PHASE 2A

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	28	31
PROJECT FILE NO.	604532		

PRELIMINARY RIGHT OF WAY
PROPERTY PLAN
SHEET 19 OF 22

06073_ROW_PROP.DWG 24-Mar-2014

N
NAD 83

GREAT ROAD (ROUTE 2A) (PUBLIC)
JUNE 11, 1940 SHLO NO. 3350
JUNE 11, 1940 SHLO NO. 3350

N/F
160 GREAT ROAD
REALTY TRUST
BK. 29364 PG. 508
#160

N/F
INDEPENDENT, LLC
BK. 30283 PG. 113
#156

N/F
CHABAD CENTER
OF ACTON, INC.
BK. 30895 PG. 339
#148

N/F
NORTHWEST
DEVELOPMENT, LLC
BK. 37634 PG. 358
#150

N/F
THE BRAVERY
REALTY TRUST
BK. 46106 PG. 68
#144

N/F
BRUCE REALTY TRUST
BK. 12196 PG. 309
#140

N/F
LINDSEY TRUST
BK. 16107 PG. 333
#138

PARCEL A–TE–17
CHABAD CENTER OF
ACTON, INC
AREA ABOUT 339 S.F.

PARCEL A–TE–18
THE BRAVERY REALTY TRUST
AREA ABOUT 60 S.F.

20' WIDE PEDESTRIAN EASEMENT
(TO THE TOWN OF ACTON)
BK. 53298 PG. 508
PL BK. 69 OF 2009

PROP. HMA BERM
EXIST. EASEMENT LINE
PROP. DMH
RIM=139.35
12" INV.=136.868
8" INV.=136.942
INV. OUT=136.85
PROP. 8' HMA PATH TO EXIST. GREAT ROAD (ROUTE 2A) SIDEWALK
PROP. 6' WOODEN STOCKADE FENCE
PROP. SLOPE LIMIT (TYP.)
APPROX. PL
PROP. SWALE (TYP.)
PROP. SILT FENCE W/ STRAW BALES (TYP.)
PROP. BOXWOOD PLANTING FOR SCREENING (31)
PROP. LOAM & SEED (SEE NOTE 2)
END NHESP HABITAT FOCUS AREA
REM. FES (2)
(R&R) METAL POST (ELEC. OUTLET)
PROP. 12' FULL DEPTH HMA BIKE PATH (TYP.)
EXTEND 8" HDPE 4'
EXTEND 12" HDPE 4'
PROP. 14–12" HDPE
INV.=136.75 PROP. FES & STONE FOR PIPE ENDS
PROP. 12' FULL DEPTH HMA BIKE PATH (TYP.)
PROP. CONST. ℄ & PGL
PROP. BOXWOOD PLANTING FOR SCREENING (38)
PROP. LOAM & SEED (TYP.)
PROP. SLOPE LIMIT (TYP.)
REM. EXIST. RAILS AND TIES (TYP.)
APPROX PROPERTY LINE
PROP. 8' HMA RAMP
PROP. REMOVABLE BOLLARD
L=1,102'±
L=1,115'±
1,602'±
1,515'±
PT
99.56
BOS
TOS
INV.=135.430
PROP. WETLAND REPLICATION AREA #2 = 1,946 SF
PROP. GRANITE MARKER (12.25, ACTON)
TRAIL WITHIN 100' WETLAND BUFFER
TRAIL WITHIN RIVERFRONT AREA
PROP. 24'–10" DIP
INV.=135.370
PROP. SLOPE LIMIT (TYP.)
PROP. 6' STONE DUST TRAIL (TYP.)
PROP. BIKE RACK (TYP.)
PARCEL A–LT–7
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF TRANSPORTATION & CONSTRUCTION
AREA ABOUT 401,186 S.F.
WETLANDS
PERM. IMPACT = 162 SF
TEMP. IMPACT = 143 SF
WETLANDS
PERM. IMPACT = 56 SF
TEMP. IMPACT = 234 SF
PROP. 24'–12" DIP
INV.=135.202
INV.=135.084
PROP. CLEARING & GRUBBING (TYP.)
N/F
TOWN OF ACTON
BK. 13976 PG. 255
REFER TO SHEET 49, 204 & ### FOR POWERS GALLERY PROFILE AND SECTIONS
WETLANDS
PERM. IMPACT = 38 SF
TEMP. IMPACT = 14 SF
APPROX. PROPERTY LINE
PROP. 6' STONE DUST TRAIL (TYP.)
FUTURE HMA PATH TO MORRISON FARM WITH BICYCLE PARKING AREA (B.O.)
N/F
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF TRANSPORTATION & CONSTRUCTION
BK. 14609 PG. 302
NASHOBA BROOK
NASHOBA BROOK
STONE WALL
CONT. ON SHEET 27
CONT. ON SHEET 29

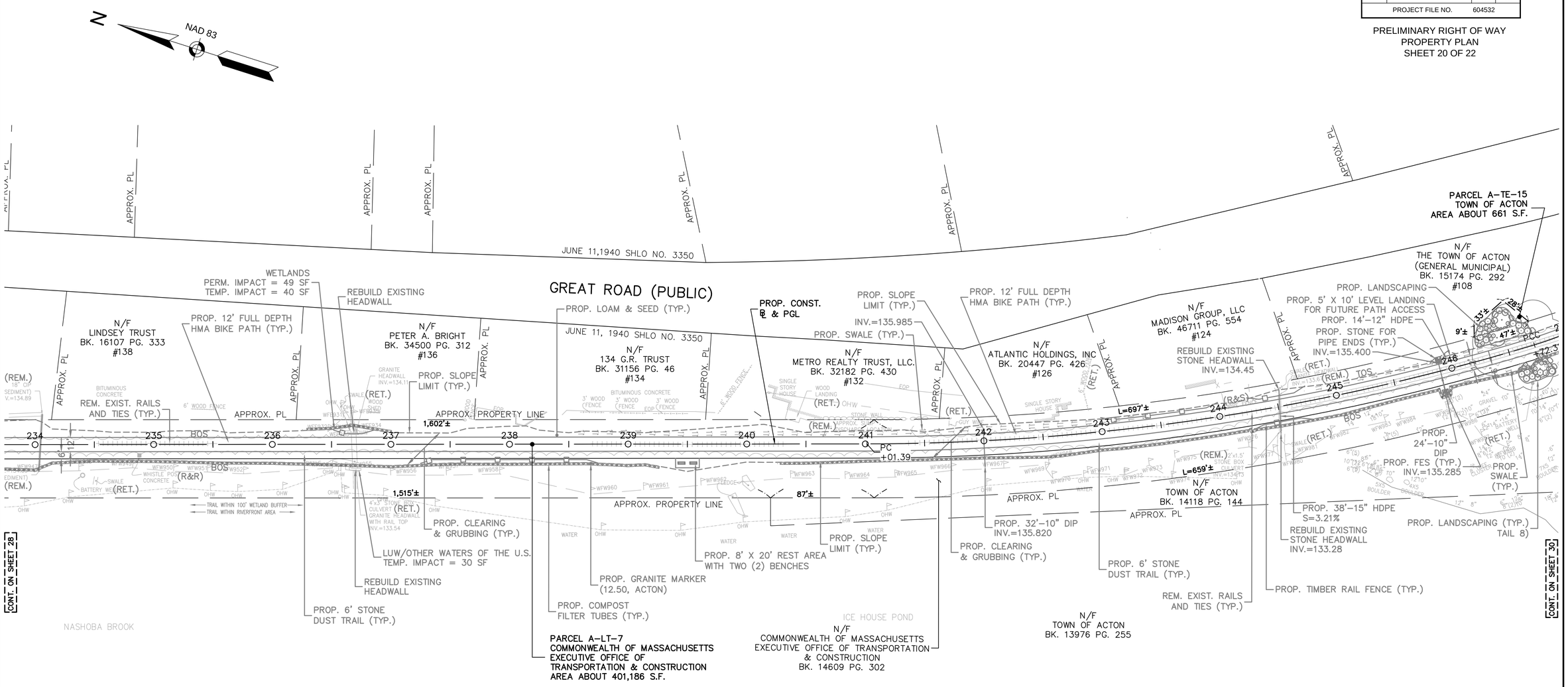
GRAPHIC SCALE
0 20 40 60 80 120 FEET

MassDOT DWT Version:

WESTFORD, CARLISLE & ACTON
BRUCE FREEMAN RAIL TRAIL PHASE 2A

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	29	31
PROJECT FILE NO.	604532		

PRELIMINARY RIGHT OF WAY
PROPERTY PLAN
SHEET 20 OF 22



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MassDOT DWT Version:

WESTFORD, CARLISLE & ACTON
BRUCE FREEMAN RAIL TRAIL PHASE 2A

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	30	31
PROJECT FILE NO.	604532		

PRELIMINARY RIGHT OF WAY
PROPERTY PLAN
SHEET 21 OF 22

24-Mar-2014

06073_ROW_PROP.DWG

CONT. ON SHEET 29

N

NAD 83

APPROX. PL

PARCEL A–LT–7
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF
TRANSPORTATION & CONSTRUCTION
AREA ABOUT 401,186 S.F.

JUNE 11, 1940 SHLO NO. 3350

GREAT ROAD (PUBLIC)

PROP. CONST. ℄ & PGL

PROP. LANDSCAPING (TYP.)

PROP. SWALE (TYP.)

PROP. 5' X 10' LEVEL LANDING FOR FUTURE PATH ACCESS

PROP. 14'–12" HDPE

N/F
THE TOWN OF ACTON
(GENERAL MUNICIPAL)
BK. 15174 PG. 292
#108

PARCEL A–TE–15
TOWN OF ACTON
AREA ABOUT 661 S.F.

PROP. 12' FULL DEPTH HMA BIKE PATH (TYP.)

PROP. GRANITE MONUMENT – SIDE A

1944 COUNTY LAYOUT

PROP. HIGHWAY GUARD WITH TIMBER RUB RAIL (TYP.)

APPROX. PROPERTY LINE

AREA OF CONFLICTING TITLE INFORMATION

PROP. SLOPE LIMIT (TYP.)

RET. PROPANE TANK CONCRETE PAD AND FENCE

N/F
JEFFREY W. BURSAW
BK. 15951 PG. 164
#94

PROP. COMPOST FILTER TUBES (TYP.)

WETLANDS
PERM. IMPACT = 106 SF
TEMP. IMPACT = 203 SF

PROP. REHABILITATED BRIDGE STRUCTURE A–02–019 (BF5) (NO. 1)

NASHOBA BROOK

PROP. LOAM & SEED (TYP.)

PROP. CLEARING & GRUBBING (TYP.)

REM. EXIST. RAILS AND TIES (TYP.)

PROP. 12' FULL DEPTH HMA BIKE PATH (TYP.)

PROP. TIMBER RAIL FENCE (TYP.)

PROP. 6' STONE DUST TRAIL (TYP.)

PROP. SLOPE LIMIT (TYP.)

REM. EXIST. RAILS AND TIES (TYP.)

PROP. CLEARING & GRUBBING (TYP.)

PROP. GRANITE MARKER (12.75, ACTON)

PROP. LOAM & SEED (TYP.)

PARCEL A–TE–16
WETHERBEE–ACTON REALTY TRUST u/d/t
AREA ABOUT 59 S.F.

N/F
WETHERBEE–ACTON REALTY
TRUST u/d/t
BK. 12737 PG. 136
#13

N/F
THE CLEMENT MORITZ &
ELIZABETH H. MORITZ
MANAGEMENT TRUST
(REGISTERED LAND)
BK. 1091 PG. 72
#19

N/F
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF TRANSPORTATION
& CONSTRUCTION
BK. 14609 PG. 302

N/F
ROBERT A. JOHNSON
(REGISTERED LAND)
BK. 1339 PG. 1
CERT# 239602
#127

PARCEL A–LT–8
COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF
TRANSPORTATION & CONSTRUCTION
AREA ABOUT 85,968 S.F.

N/F
NANCY TORODE
(REGISTERED LAND)
BK. 1284 PG. 113
#129

PROP. EOP

PROP. FULL DEPTH HMA CONSTRUCTION AT ROADWAY CROSSING WITH 10' MILL AND OVERLAY TRANSITIONS AT APPROACHES (TYP.)

(RET. UP)

PROP. 10' X 30' FILTER STRIP AND LEVEL SPREADER (TYP.)

PROP. FES (TYP.)

PROP. STONE FOR PIPE ENDS (TYP.)

LIMIT OF WORK

N/F
TOWN OF ACTON
BK. 13976 PG. 255

N/F
TOWN OF ACTON
BK. 14118
PG. 144

PROP. 24'–10" DIP

PROP. SWALE (TYP.)

CONCORD ROAD (PUBLIC)

1944 COUNTY LAYOUT

(R&R BOULDER)

(RET.)

(REM.)

PCC

PRC

PT

PC

BOS

L=697'±

L=659'±

L=416'±

L=746'±

514'±

550'±

47'±

22'±

60'±

14'±

10'±

8'±

240'±

9'±

18°

246 247 248 249 250 251 252 253 254 255 256 257 258

+72.32 +14.47 +90.46 +37.55 +98.52 +68.56 +43.46

CONT. ON SHEET 31

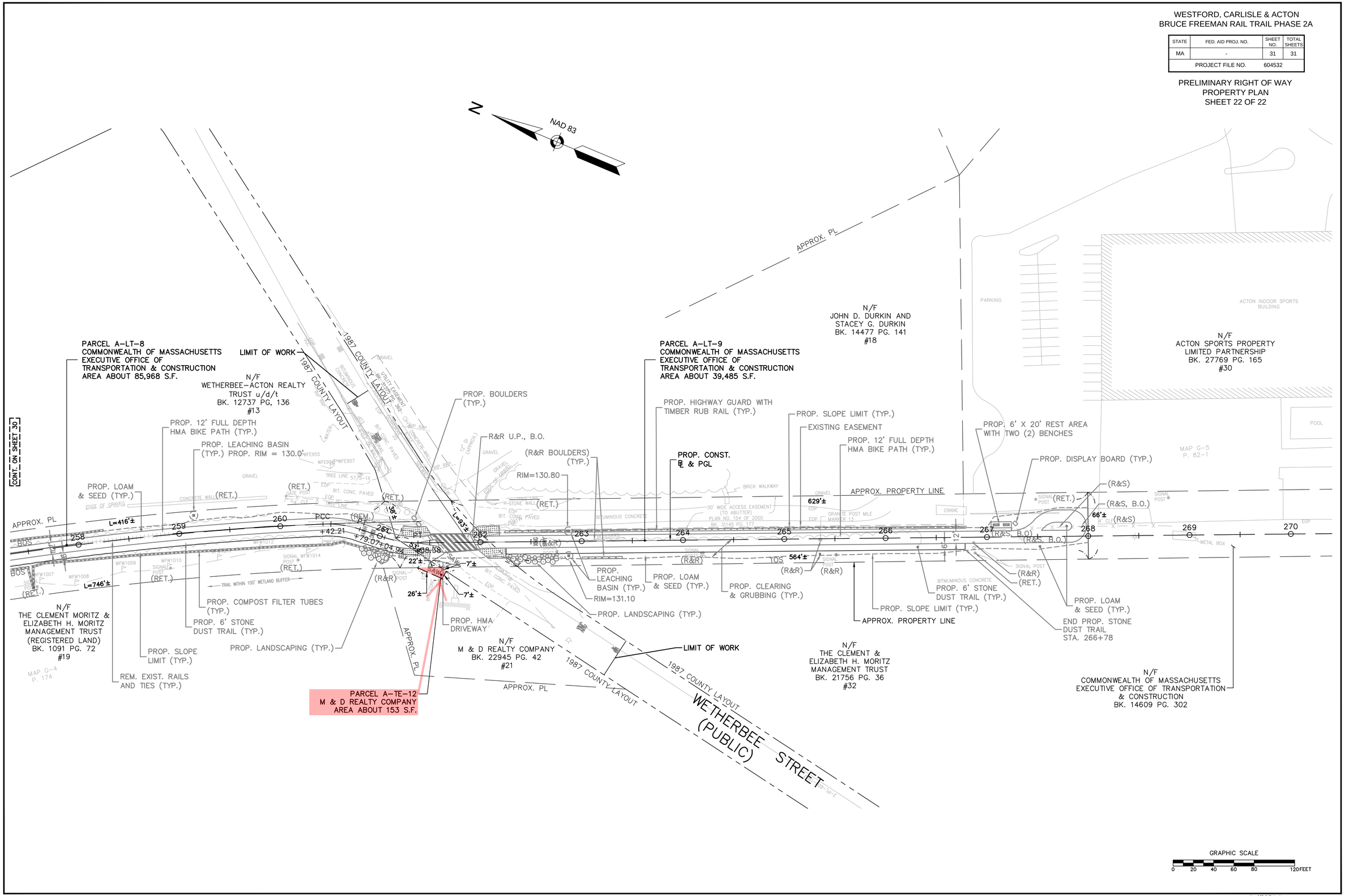
GRAPHIC SCALE
0 20 40 60 80 120 FEET

MassDOT DWT Version:

WESTFORD, CARLISLE & ACTON
BRUCE FREEMAN RAIL TRAIL PHASE 2A

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	31	31
PROJECT FILE NO.	604532		

PRELIMINARY RIGHT OF WAY
PROPERTY PLAN
SHEET 22 OF 22



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MassDOT DWT Version: