

STEEL BEAM GUARDRAIL, GALVANIZED

VT 12A STA 4+96.0 - 5+41.4 RT

BOX BEAM GUARDRAIL

VT 12A STA 2+69.5 - 3+37.9 RT
VT 12A STA 3+53.3 - 3+57.3 LT
VT 12A STA 4+63.3 - 4+85.6 RT
VT 12A STA 6+33.8 - 6+38.3 LT

REMOVAL AND DISPOSAL OF GUARDRAIL

VT 12A STA 2+74.2 - 3+73.4 RT
VT 12A STA 3+55.7 - 3+88.4 LT
VT 12A STA 4+30.1 - 4+68.9 RT
VT 12A STA 5+19.9 - 6+46.2 LT

**SPECIAL PROVISION (BRIDGE RAILING,
GALVANIZED 3 RAIL BOX BEAM)**

VT 12A STA 3+71.5 - 4+31.3 RT
VT 12A STA 3+88.0 - 6+00.4 LT

**SPECIAL PROVISION (GUARDRAIL APPROACH
SECTION, GALVANIZED 3 RAIL BOX BEAM)**

VT 12A STA 3+37.9 - 3+71.5 RT
VT 12A STA 3+57.3 - 3+88.0 LT
VT 12A STA 4+31.3 - 4+63.3 RT
VT 12A STA 6+00.4 - 6+33.8 LT

PERMANENT STEEL SHEET PILING

VT 12A STA 4+90.0 - 6+00.0 LT

PRECAST CONCRETE STRUCTURE (WINGWALL NO.3)

VT 12A STA 4+64.91 - 5+99.30 LT

CONSTRUCT GRAVEL PULLOFF

VT 12A STA 5+07.9 - 6+41.7 RT

CONSTRUCT 5' PAVED APRON

VT 12A STA 4+99.2 - 6+50.0 RT

VT 12A STA 4+50.00 =
CHANNEL LINE STA 51+00.00
 $\Delta = 57^\circ$ LT

TYPE II STONE FILL
STA 3+82 LT - STA 3+88 LT

CHANNEL LINE POE
STA 51+75.00

END BRIDGE
STA 4+37.98

BEGIN BRIDGE
STA 3+81.32

END APPROACH
BEGIN PROJECT
STA 3+00.00

BM NO. 2
CHISELED SQUARE
IN LEDGE
EL. 880.485

PI NO. 1
STA 2+87.44 BK =
STA 2+75.46 AHD

BEGIN APPROACH
MATCH EXISTING
STA 2+50.00

PC
STA 1+85.46

PT
STA 3+77.45

CONSTRUCTION
LIMITS

CHANNEL LINE POB
STA 50+00.00

24" CPEP
STA 2+86.1 LT-RT

TYPE II STONE FILL
STA 3+30 RT -
STA 3+65 RT

PC
STA 5+62.68

END PROJECT
BEGIN APPROACH
STA 6+00.00

END APPROACH
MATCH EXISTING
STA ~~6+50.00~~
7+00.00

POE
STA 8+00.00

PT
STA 7+65.87

BM NO. 3
RR SPIKE IN ROOT
M. YELLOW BIRCH
EL. 879.84

24" CPEP
STA 6+86 RT-LT

PI NO. 2
STA 6+71.44 BK =
STA 6+57.11 AHD

CURVE DATA NO. 1

$\Delta = 47^\circ 49' 36''$
 $D = 24^\circ 54' 40''$
 $R = 230.00'$
 $T = 101.99'$
 $L = 191.99'$
 $E = 21.60'$

CURVE DATA NO. 2

$\Delta = 50^\circ 37' 04''$
 $D = 24^\circ 54' 40''$
 $R = 230.00'$
 $T = 108.76'$
 $L = 203.19'$
 $E = 24.42'$

EXISTING BRIDGE DATA

CONCRETE T-BEAMS
CONCRETE ABUTMENTS
OVERALL LENGTH = 54'
OVERALL WIDTH = 23.1'

20 0 20
SCALE: 1" = 20'-0"

PROJECT NAME: ROXBURY
PROJECT NUMBER: BHF 0187(8)

FILE NAME: sl0c420bdr.dgn
PROJECT LEADER: C. P. WILLIAMS
DESIGNED BY: T. FILLBACH
LAYOUT SHEET

PLOT DATE: 21-SEP-2011
DRAWN BY: G. ROY
CHECKED BY: T. FILLBACH
SHEET 14 OF 54