



COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF CONSERVATION AND RECREATION DIVISION OF PLANNING AND ENGINEERING

MASS CENTRAL RAIL TRAIL IN THE TOWNS OF HUDSON, STOW, MARLBOROUGH & SUDBURY MASSACHUSETTS MIDDLESEX COUNTY

THESE PLANS ARE SUPPLEMENTED BY THE OCTOBER 2017 CONSTRUCTION STANDARD DETAILS, THE 2015 OVERHEAD SIGNAL STRUCTURE AND FOUNDATION STANDARD DRAWINGS, MASSDOT TRAFFIC MANAGEMENT PLANS AND DETAIL DRAWINGS, 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.

DCR CONTRACT NO. P19-3295-D1A

CHARLES D. BAKER, GOVERNOR

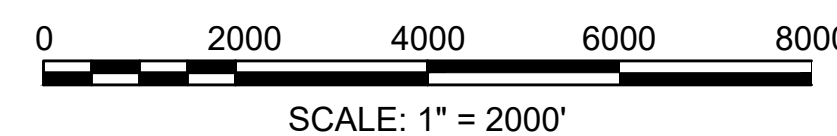
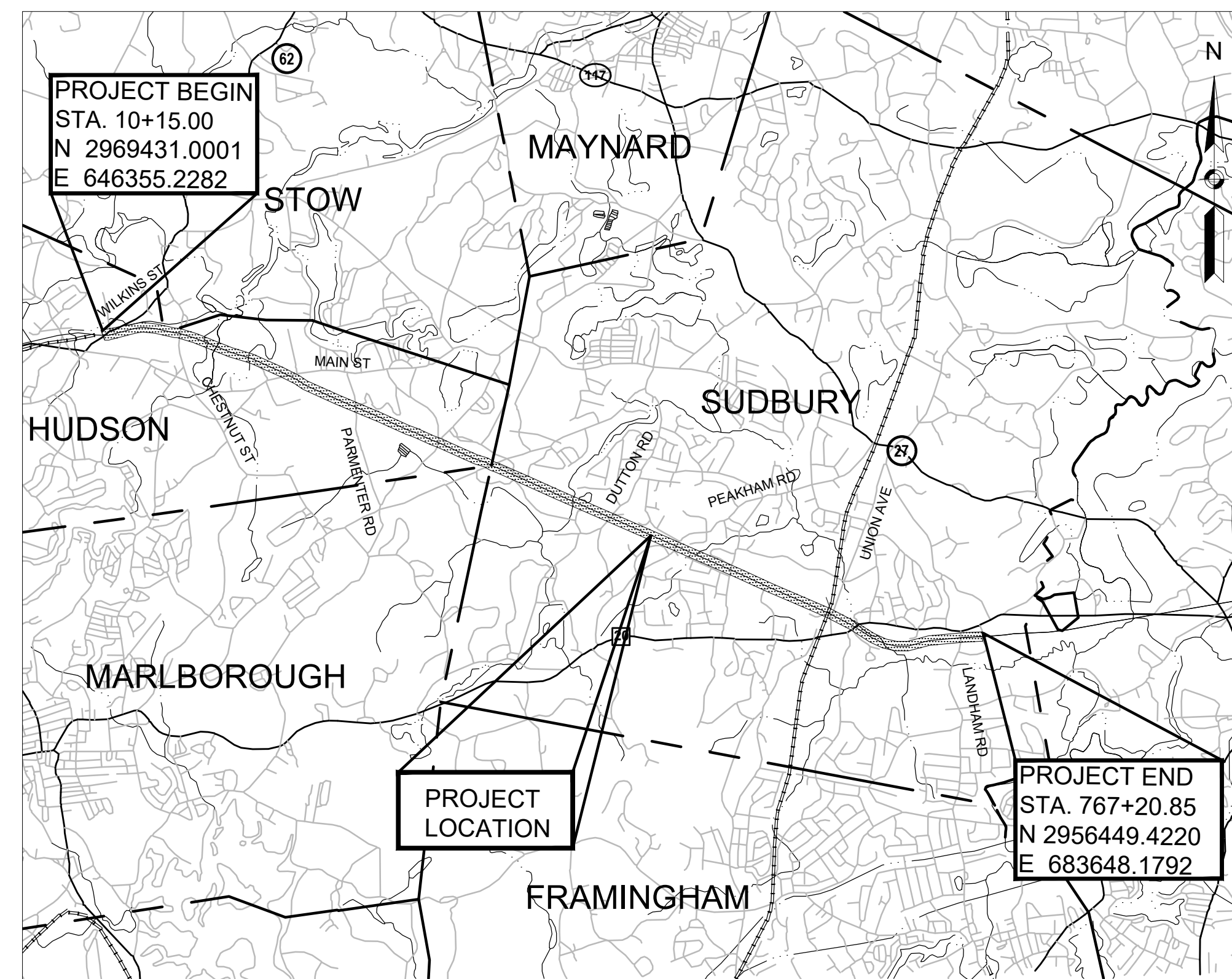
KARYN E. POLITO, LT. GOVERNOR

KATHLEEN A. THEOHARIDES, SECRETARY
EXECUTIVE OFFICE OF ENERGY & ENVIRONMENTAL AFFAIRS

JIM MONTGOMERY, INTERIM COMMISSIONER
DEPARTMENT OF CONSERVATION & RECREATION

INDEX

SHEET NO.	DESCRIPTION
G-01	TITLE SHEET & INDEX
L-01	LEGEND ABBREVIATIONS & GENERAL NOTES
K-01 - K-04	KEY PLAN (SHEET K-01 NOT INCLUDED)
BL-01 - BL-07	BASELINE & TRAVERSE DATA (NOT INCLUDED)
TS-01 - TS-02	TYPICAL SECTIONS & PVMT NOTES
C-01 - C-46	CONSTRUCTION PLANS (SHEETS C-1 TO C-19 NOT INCLUDED)
PR-01	PROFILES (NOT INCLUDED)
TR-01 - TR-14	TRAFFIC PLANS (NOT INCLUDED)
TM-01 - TM-05	TEMPORARY TRAFFIC CONTROL PLANS (NOT INCLUDED)
SS-01	TRAFFIC SIGN SUMMARY (NOT INCLUDED)
D-01 - D-08	CONSTRUCTION DETAILS (D-01 NOT INCLUDED)
GW-01 - GW-05	GATEWAY DETAILS (NOT INCLUDED)
XS-01 - XS-02	CROSS SECTIONS (NOT INCLUDED)



LENGTH OF PROJECT = 40,410.06 FEET = 7.653 MILES

**SUDBURY NOTICE OF INTENT SUBMISSION
NOT APPROVED FOR CONSTRUCTION**

ORIGINALLY SUBMITTED MARCH 5, 2020
REVISED JULY 30, 2020
REVISED OCTOBER 21, 2020
REVISED JANUARY 7, 2021

REV.	DATE	DESCRIPTION	BY

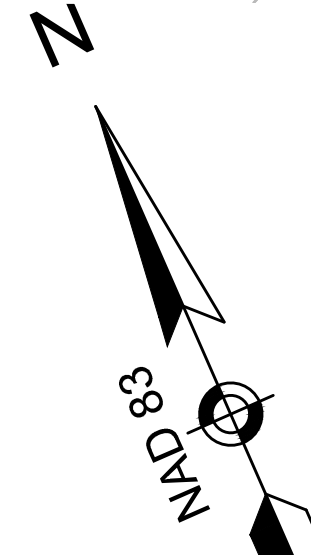
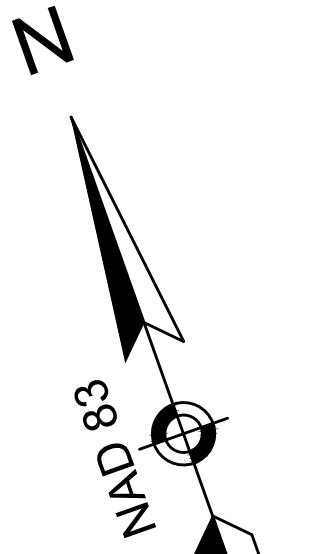
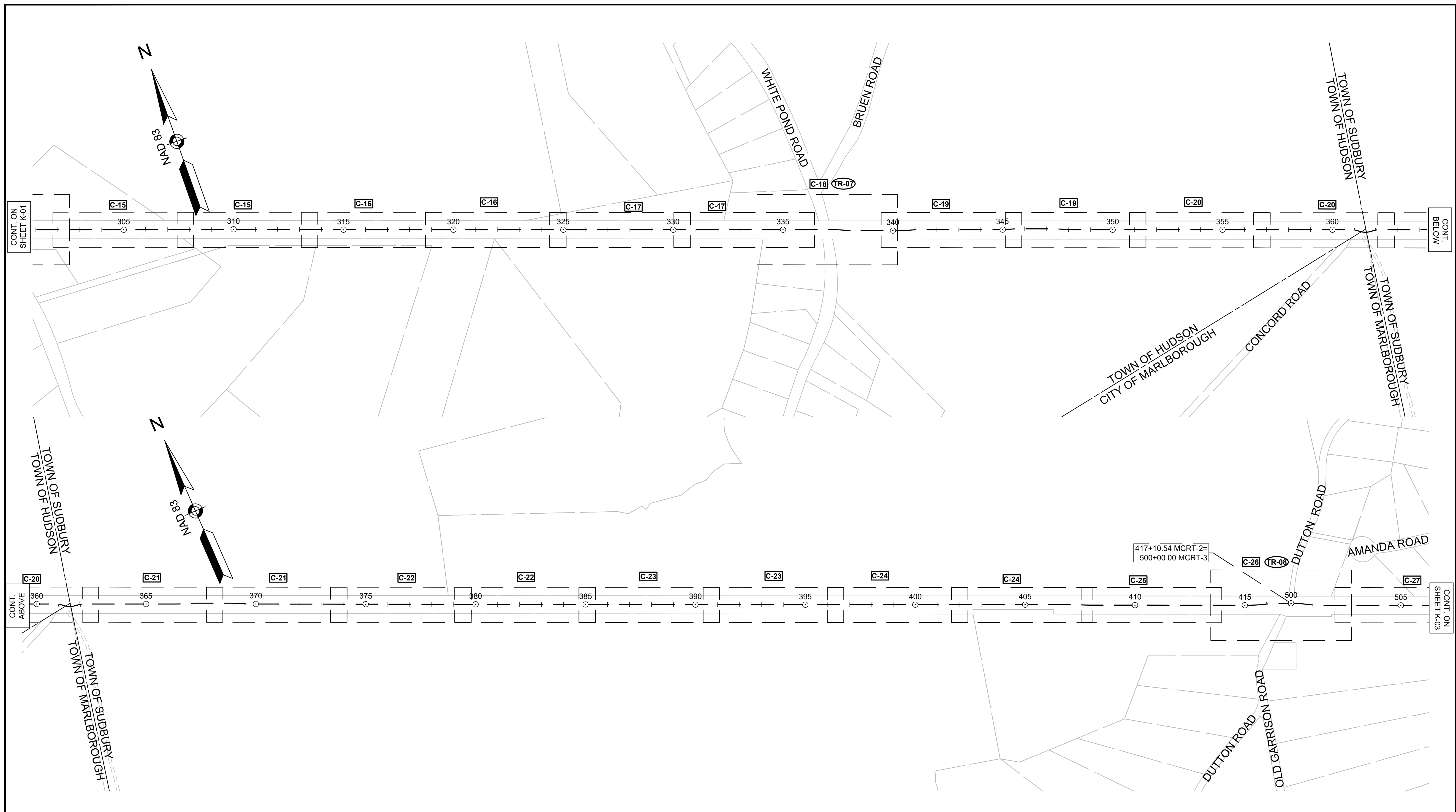
Transportation Land Development
Environmental Services
101 Walnut St., P.O. Box 9151
Watertown, MA 02472
617 924 1770 FAX 617 924 2286

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF CONSERVATION AND RECREATION
DIVISION OF PLANNING AND ENGINEERING

MASS CENTRAL RAIL TRAIL - WAYSIDE

MASS CENTRAL RAIL TRAIL
HUDSON, STOW, MARLBOROUGH & SUDBURY, MA

DESIGNER: JCR	TITLE SHEET & INDEX	SHEET NO.
CHECKED: SHK		G-01
DRAWN: JCR	CONT. P19-3295-D1A	SCALE: AS NOTED
CHECKED: TAL	ACC. XXXXXXXX	DATE: JAN 2021
		1 OF 1



CONT. ON SHEET K-01

CONT. BELOW

CONT. ABOVE

CONT. ON SHEET K-03

LEGEND
 [C-XX] CONSTRUCTION PLANS
 [TR-XX] TRAFFIC PLANS



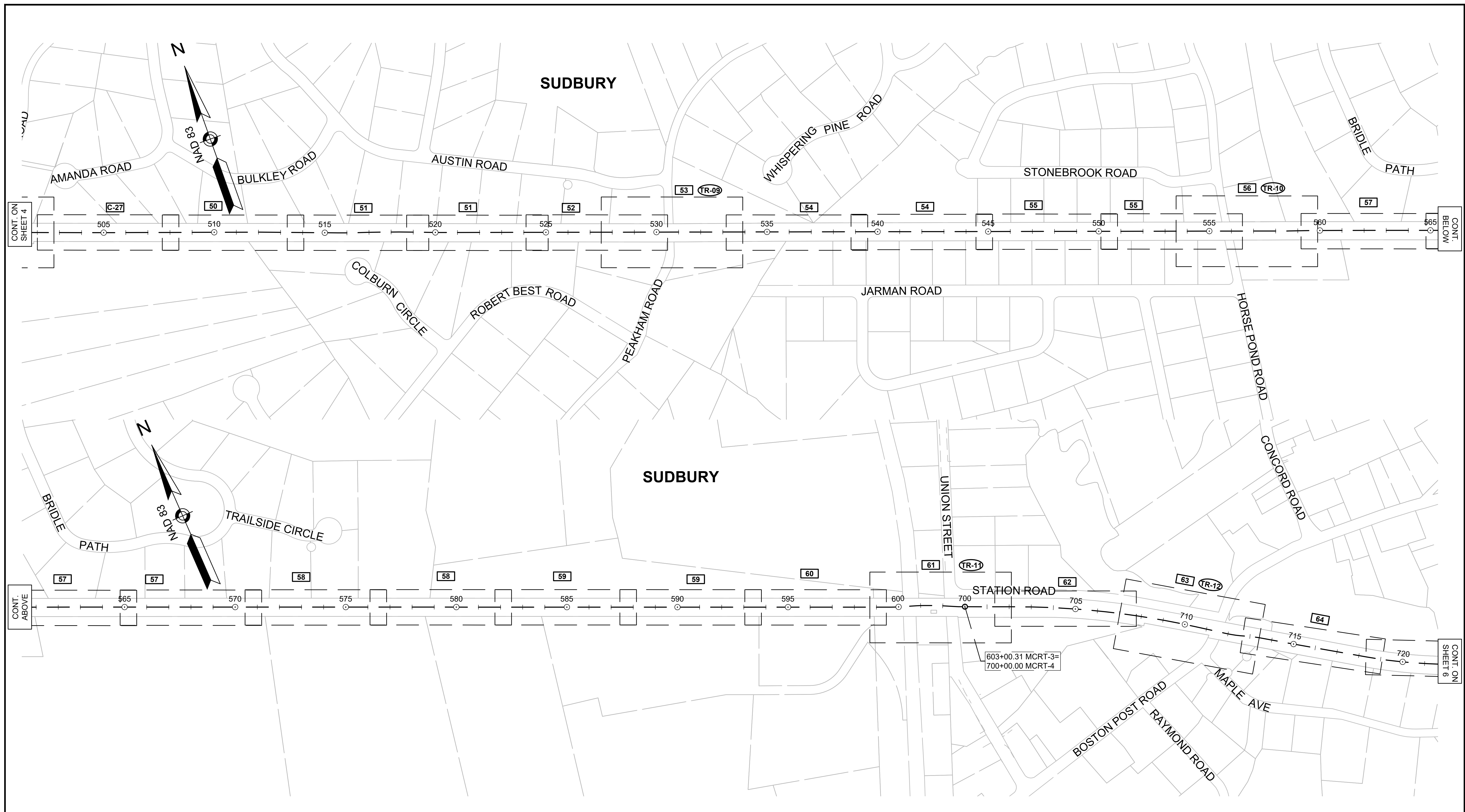
REV.	DATE	DESCRIPTION	BY



**COMMONWEALTH OF MASSACHUSETTS
 DEPARTMENT OF CONSERVATION AND RECREATION
 DIVISION OF PLANNING AND ENGINEERING**

**MASS CENTRAL RAIL TRAIL - WAYSIDE
 MASS CENTRAL RAIL TRAIL
 HUDSON, STOW, MARLBOROUGH & SUDBURY, MA**

DESIGNER: JCR	KEY PLAN	SHEET NO. K-02
CHECKED: SHK		
DRAWN: JCR	CONT. P19-3295-D1A	SCALE: NTS
CHECKED: TAL	ACC. XXXXXXx	DATE: JAN 2021



CONT. ON SHEET 4

CONT. BELOW

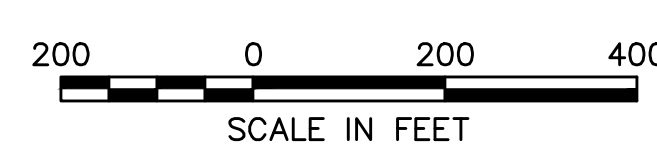
CONT. ABOVE

CONT. ON SHEET 6

LEGEND

CONSTRUCTION PLANS

TRAFFIC PLANS



REV.	DATE	DESCRIPTION	BY

vhb
 Transportation Land Development
 Environmental Services
 101 Walnut St., P.O. Box 9151
 Watertown, MA 02472
 617 924 1770 FAX 617 924 2286

**COMMONWEALTH OF MASSACHUSETTS
 DEPARTMENT OF CONSERVATION AND RECREATION
 DIVISION OF PLANNING AND ENGINEERING**

MASS CENTRAL RAIL TRAIL - WAYSIDE
 MASS CENTRAL RAIL TRAIL
 HUDSON, STOW, MARLBOROUGH & SUDBURY, MA

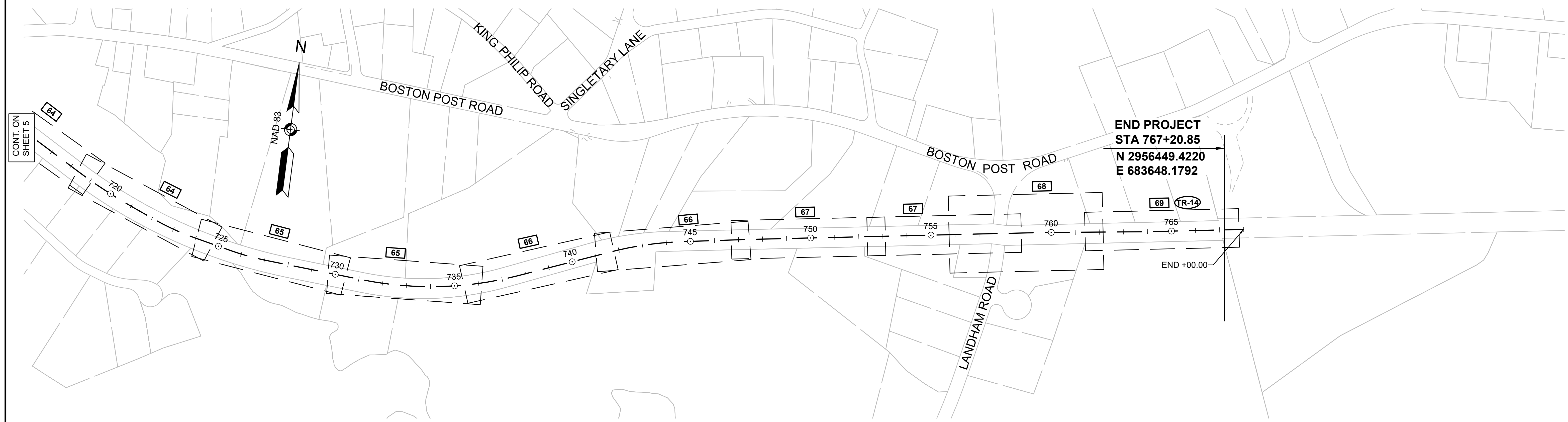
KEY PLAN

DESIGNER: JCR
 CHECKED: SHK
 DRAWN: JCR
 CHECKED: TAL

CONT. P19-3295-D1A
 ACC. XXXXXXx

SCALE: NTS
 DATE: JAN 2021

SHEET NO. **K-03**
 3 OF 4



LEGEND
 [C-XX] CONSTRUCTION PLANS
 [TR-XX] TRAFFIC PLANS



REV.	DATE	DESCRIPTION	BY



**COMMONWEALTH OF MASSACHUSETTS
 DEPARTMENT OF CONSERVATION AND RECREATION
 DIVISION OF PLANNING AND ENGINEERING**

MASS CENTRAL RAIL TRAIL - WAYSIDE	
MASS CENTRAL RAIL TRAIL HUDSON, STOW, MARLBOROUGH & SUDBURY, MA	
DESIGNER: JCR	KEY PLAN
CHECKED: SHK	SHEET NO.
DRAWN: JCR	K-04
CHECKED: TAL	4 OF 4

PAVEMENT NOTES

PROPOSED PATH PAVEMENT

SURFACE: 1.5" SUPERPAVE SURFACE COURSE - 9.5 (SSC - 9.5)
 INTERMEDIATE: 2.5" SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC - 19.0)
 SUBBASE: 8" GRAVEL BORROW, TYPE b

***NOTE:**

FROM STA 100+00± TO STA 767+20± EXIST GRAVEL FROM EVERSOURCE ACCESS ROAD SHALL BE USED FOR SUBBASE MATERIAL.

PROPOSED CATTLE CROSSING PAVEMENT

SURFACE: 1.5" SUPERPAVE SURFACE COURSE - 9.5 (SSC - 9.5)
 INTERMEDIATE: 2.5" SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC - 19.0)

***NOTE:**

2.5" SUPERPAVE INTERMEDIATE COURSE TO BE INSTALLED AS PART OF EVERSOURCE SUDBURY-HUDSON TRANSMISSION LINE RELIABILITY PROJECT.

PROPOSED CEMENT CONCRETE WHEELCHAIR RAMP

SURFACE: 6" CEMENT CONCRETE AIR ENTRAINED 4000 PSI, 3/4", 610

SUBBASE: 8" GRAVEL BORROW, TYPE b

***NOTE:**

EXIST GRAVEL FROM EVERSOURCE ACCESS ROAD SHALL BE USED FOR SUBBASE MATERIAL.

PROPOSED CEMENT CONCRETE PULL OFF/TURN AROUND

SURFACE: 4" CEMENT CONCRETE AIR ENTRAINED 4000 PSI, 3/4", 610

SUBBASE: 8" GRAVEL BORROW, TYPE b

***NOTE:**

EXIST GRAVEL FROM EVERSOURCE ACCESS ROAD SHALL BE USED FOR SUBBASE MATERIAL.

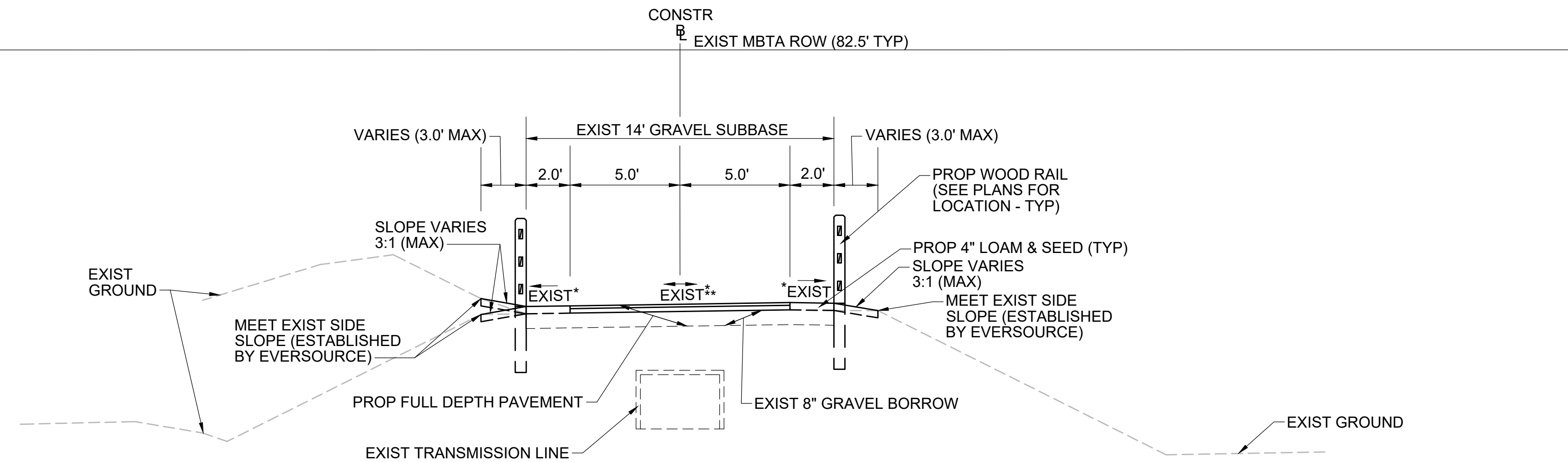
PROPOSED HOT MIX ASPHALT WALK

SURFACE: 1" SUPERPAVE SURFACE COURSE - 9.5 (SSC-9.5)
 1.5" SUPERPAVE INTERMEDIATE COURSE 12.5 (SIC-12.5)

SUBBASE: 8" GRAVEL BORROW, TYPE b

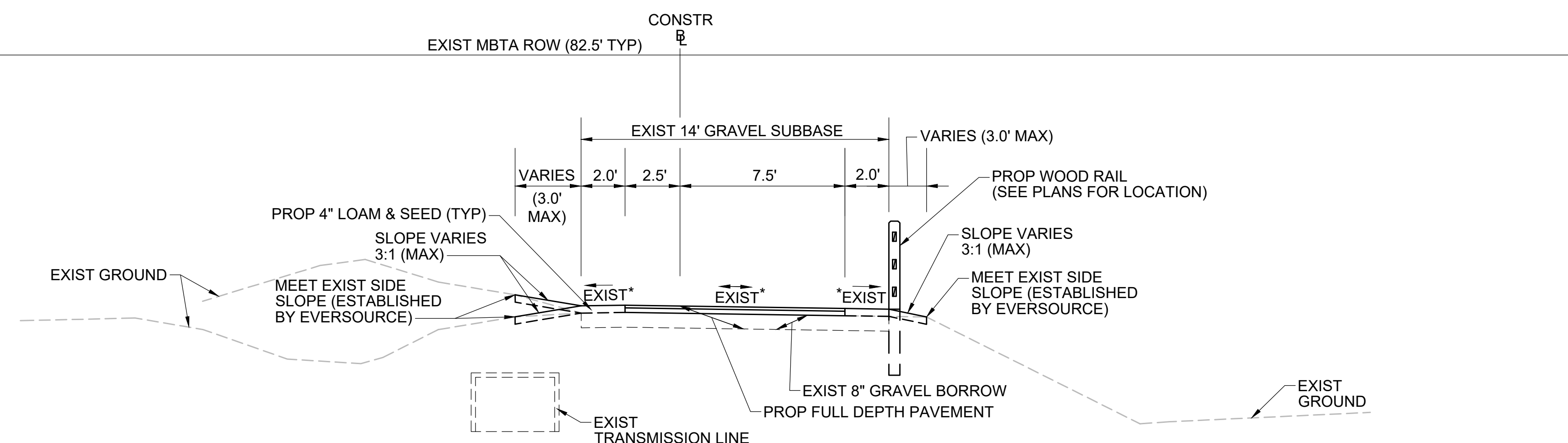
NOTES:

1. ALL HOT MIX ASPHALT SHALL BE PRODUCED WITH A WARM-MIX ASPHALT ADDITIVE.
2. ALL HOT MIX ASPHALT PAVEMENTS SHALL BE CONSTRUCTED AND PRODUCED IN ACCORDANCE WITH SECTION 450 HOT MIX ASPHALT PAVEMENT.
3. ASPHALT EMULSION FOR TACK COAT (RS-1H) SHALL BE SPRAY APPLIED FOR DOUBLE OVERLAP COVERAGE AT 0.05 GALLONS PER SQUARE YARD OVER SMOOTH SURFACES.
4. HMA JOINT SEALANT (ASPHALT RUBBER) SHALL BE APPLIED IN SURFACE COURSE AT ALL VERTICAL COLD JOINTS PRIOR TO PAVING.
5. ALL HOT MIX ASPHALT WALKS SHALL BE MEASURED AND PAID FOR UNDER ITEM 702 OF STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.



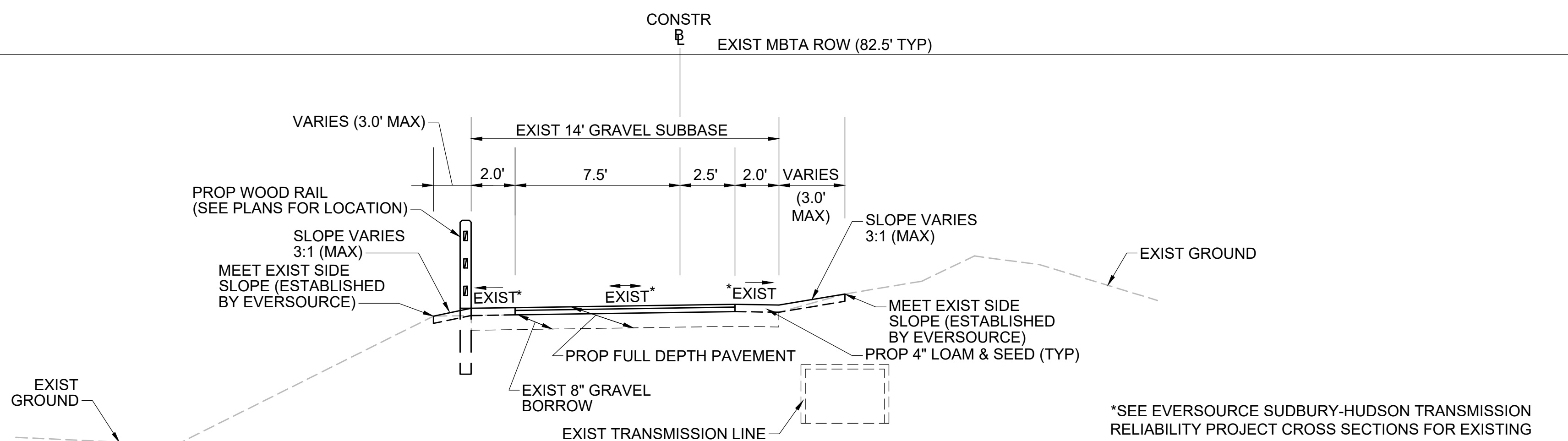
TYPICAL SECTION - TRANSMISSION LINE IN CENTER

*SEE EVERSOURCE SUDBURY-HUDSON TRANSMISSION RELIABILITY PROJECT CROSS SECTIONS FOR EXISTING CROSS SLOPE INFORMATION
 **CROSS SLOPE IS CROWNED AT CONSTRUCTION @ FROM STATION 704+00 TO 710+50.



TYPICAL SECTION - TRANSMISSION LINE ON LEFT

*SEE EVERSOURCE SUDBURY-HUDSON TRANSMISSION RELIABILITY PROJECT CROSS SECTIONS FOR EXISTING CROSS SLOPE INFORMATION



TYPICAL SECTION - TRANSMISSION LINE ON RIGHT

*SEE EVERSOURCE SUDBURY-HUDSON TRANSMISSION RELIABILITY PROJECT CROSS SECTIONS FOR EXISTING CROSS SLOPE INFORMATION

REV.	DATE	DESCRIPTION	BY

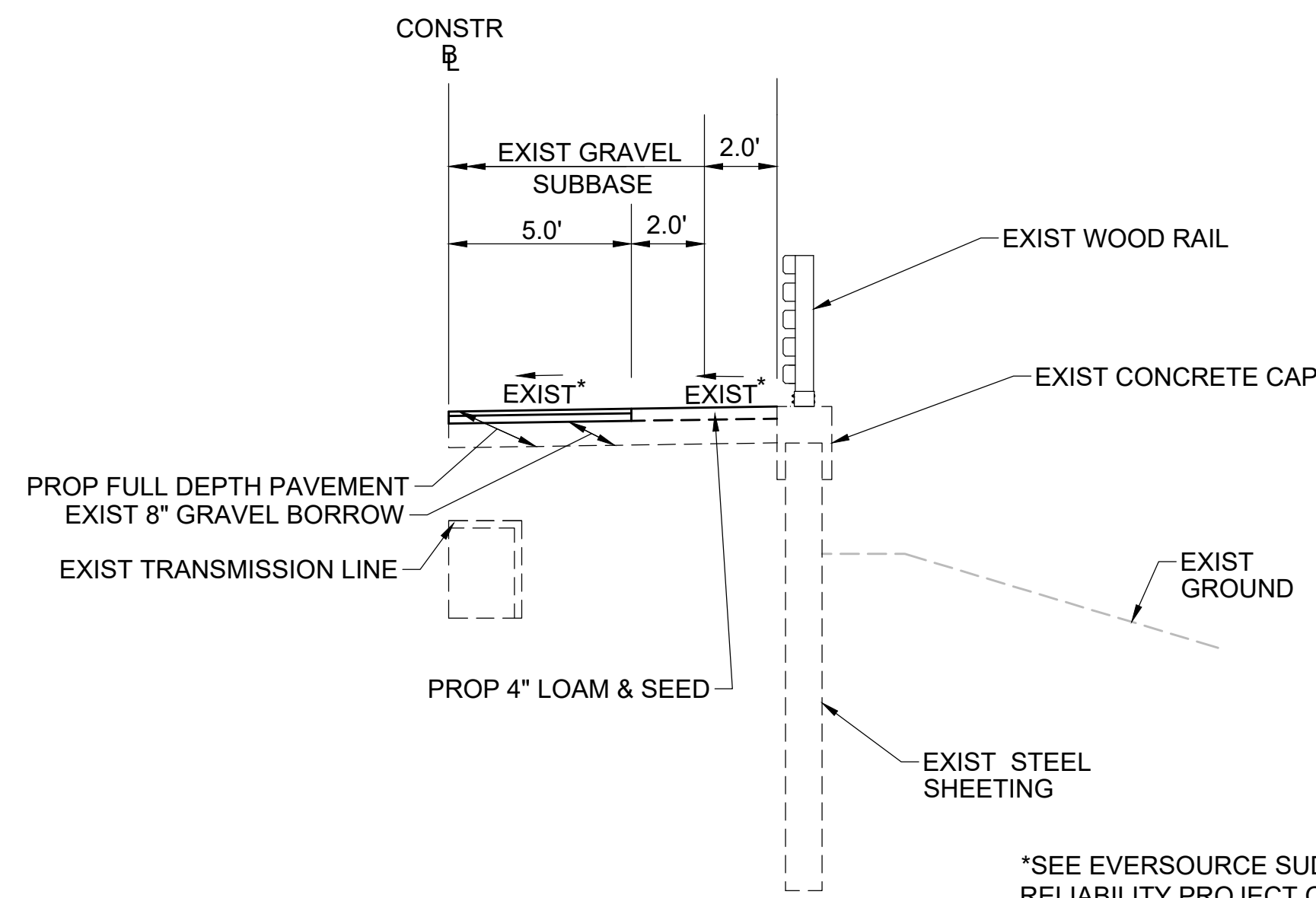


**COMMONWEALTH OF MASSACHUSETTS
 DEPARTMENT OF CONSERVATION AND RECREATION
 DIVISION OF PLANNING AND ENGINEERING**

MASS CENTRAL RAIL TRAIL - WAYSIDE

MASS CENTRAL RAIL TRAIL
 HUDSON, STOW, MARLBOROUGH & SUDBURY, MA

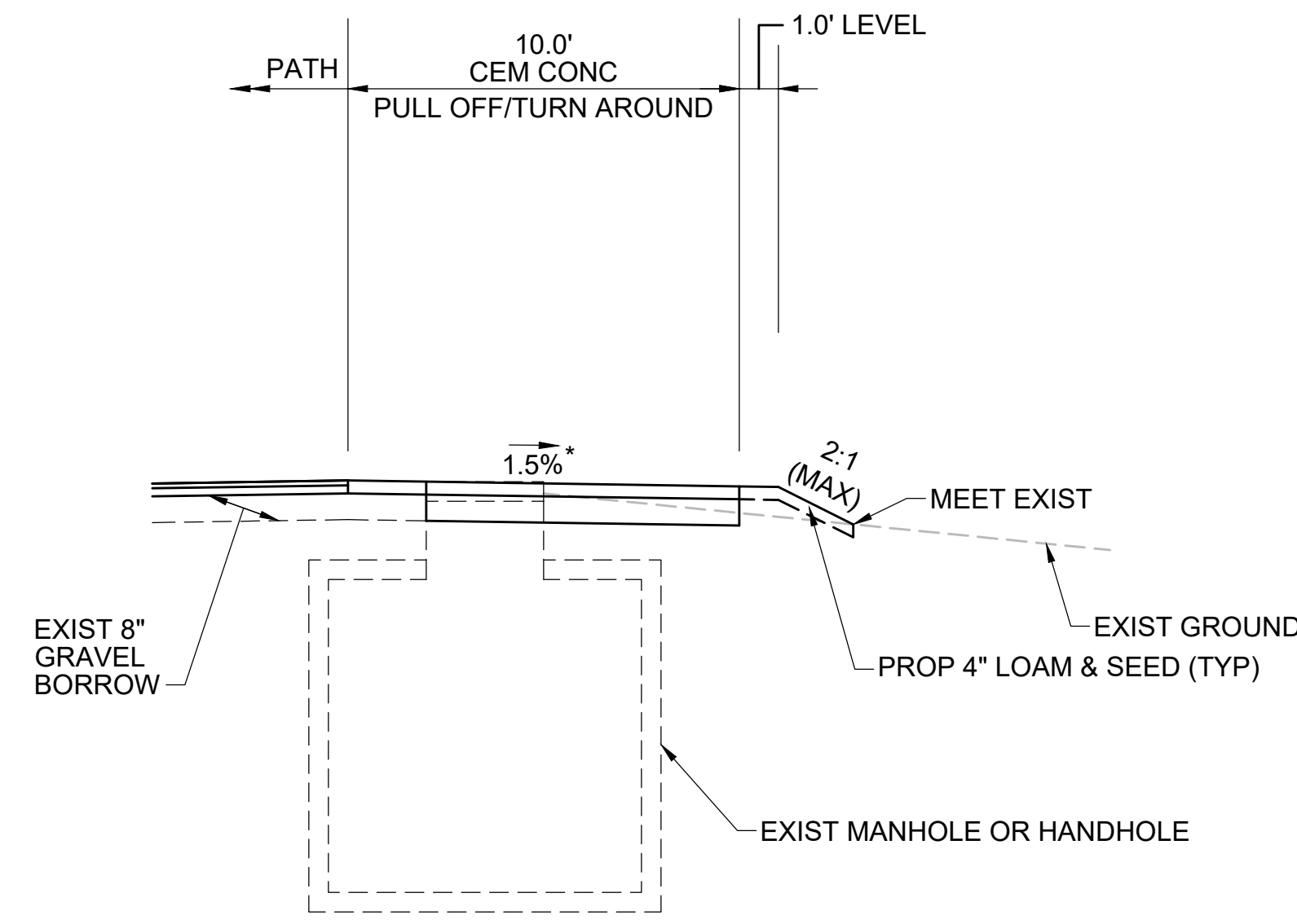
DESIGNER: JCR	TYPICAL SECTIONS & PVMT NOTES	SHEET NO. TS-01
CHECKED: SHK		
DRAWN: JCR	CONT: P19-3295-D1A	SCALE: 1" = 20'-0"
CHECKED: TAL	ACC: XXXXXXXX	DATE: JAN 2021



*SEE EVERSOURCE SUDBURY-HUDSON TRANSMISSION RELIABILITY PROJECT CROSS SECTIONS FOR EXISTING CROSS SLOPE INFORMATION

SHEETING SECTION RT

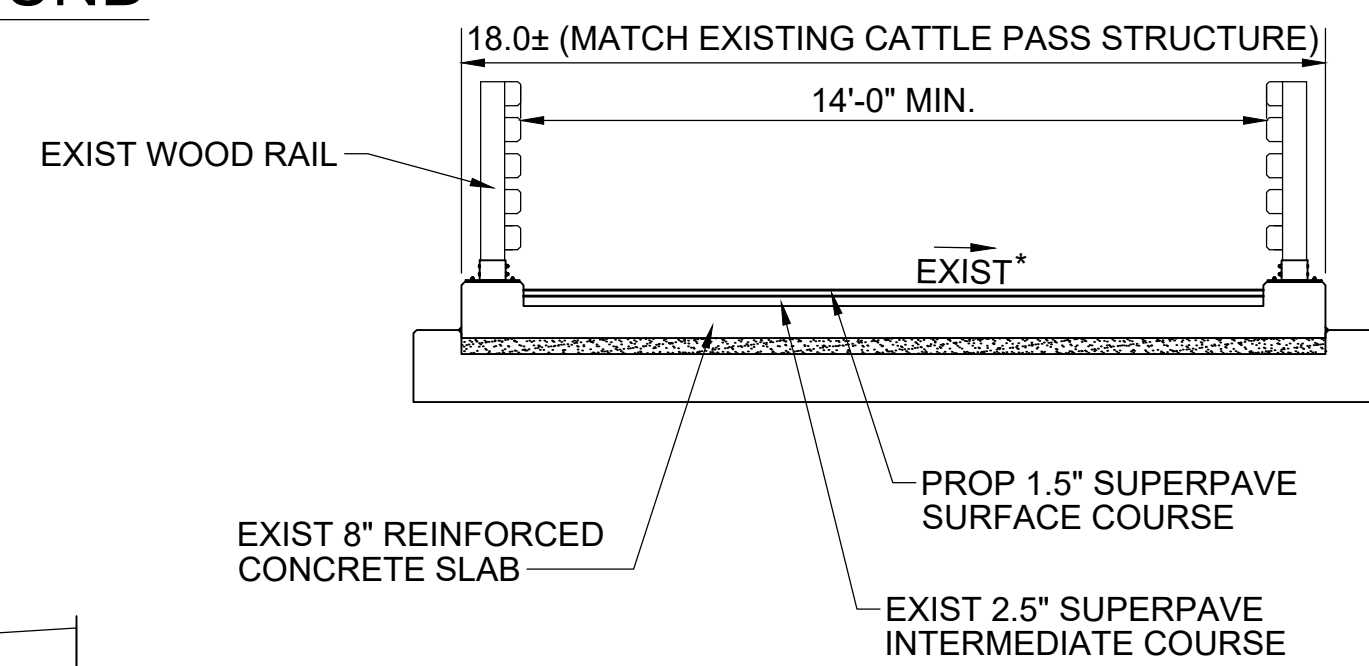
STA 148+25± TO STA 148+49±, STA 149+13± TO STA 149+75±, STA 399+91± TO STA 400+07±, STA 400+58± TO STA 401+25±, STA 724+73± TO STA 725+03±, STA 725+59± TO STA 725+96±, STA 731+00± TO STA 734+25±
NTS



*TOLERANCE FOR CONSTRUCTION ±0.5%

TYPICAL SECTION - PULL OFF/TURN AROUND

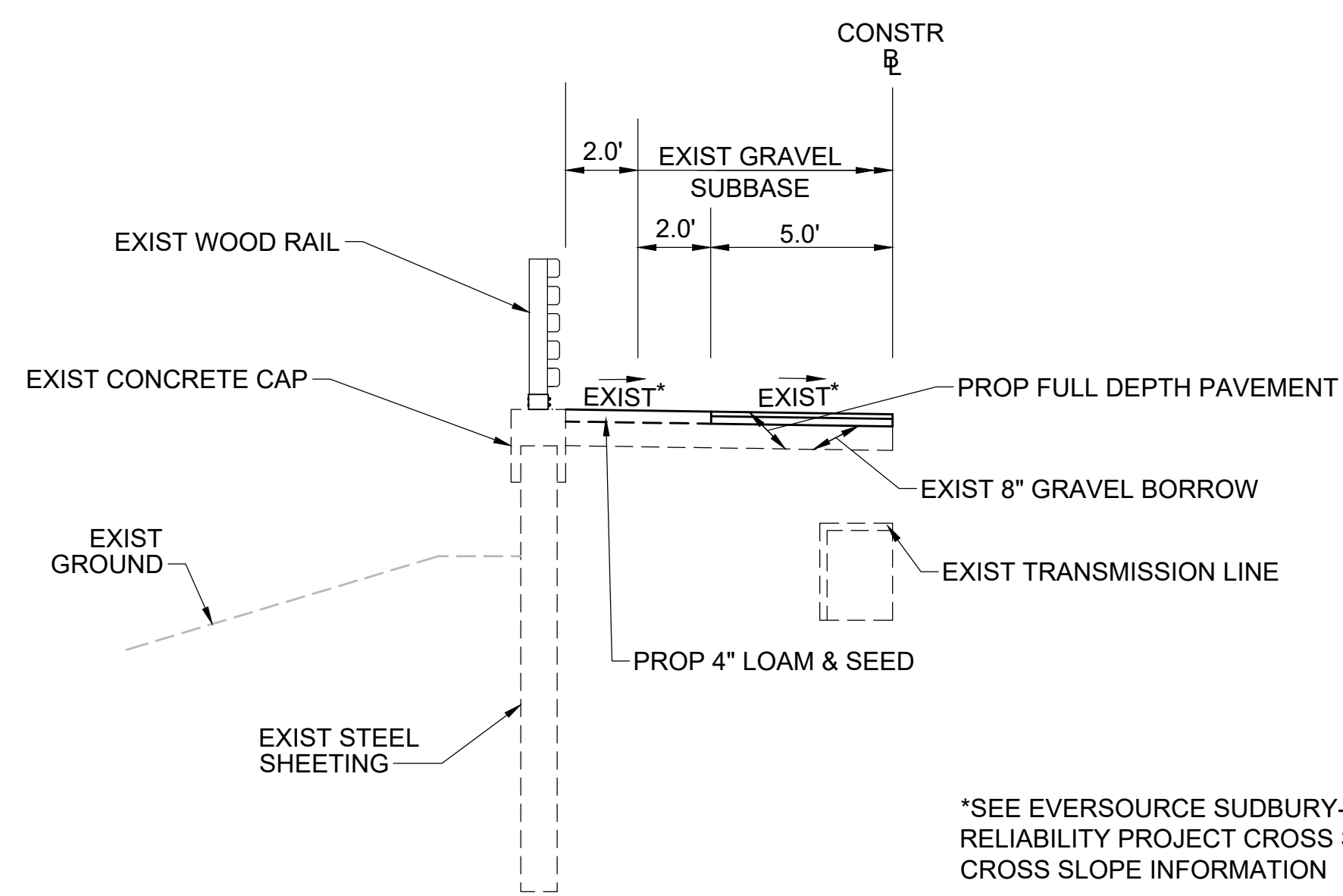
NTS



CATTLE CROSSING

STA 119+38± TO STA 119+52±
NTS

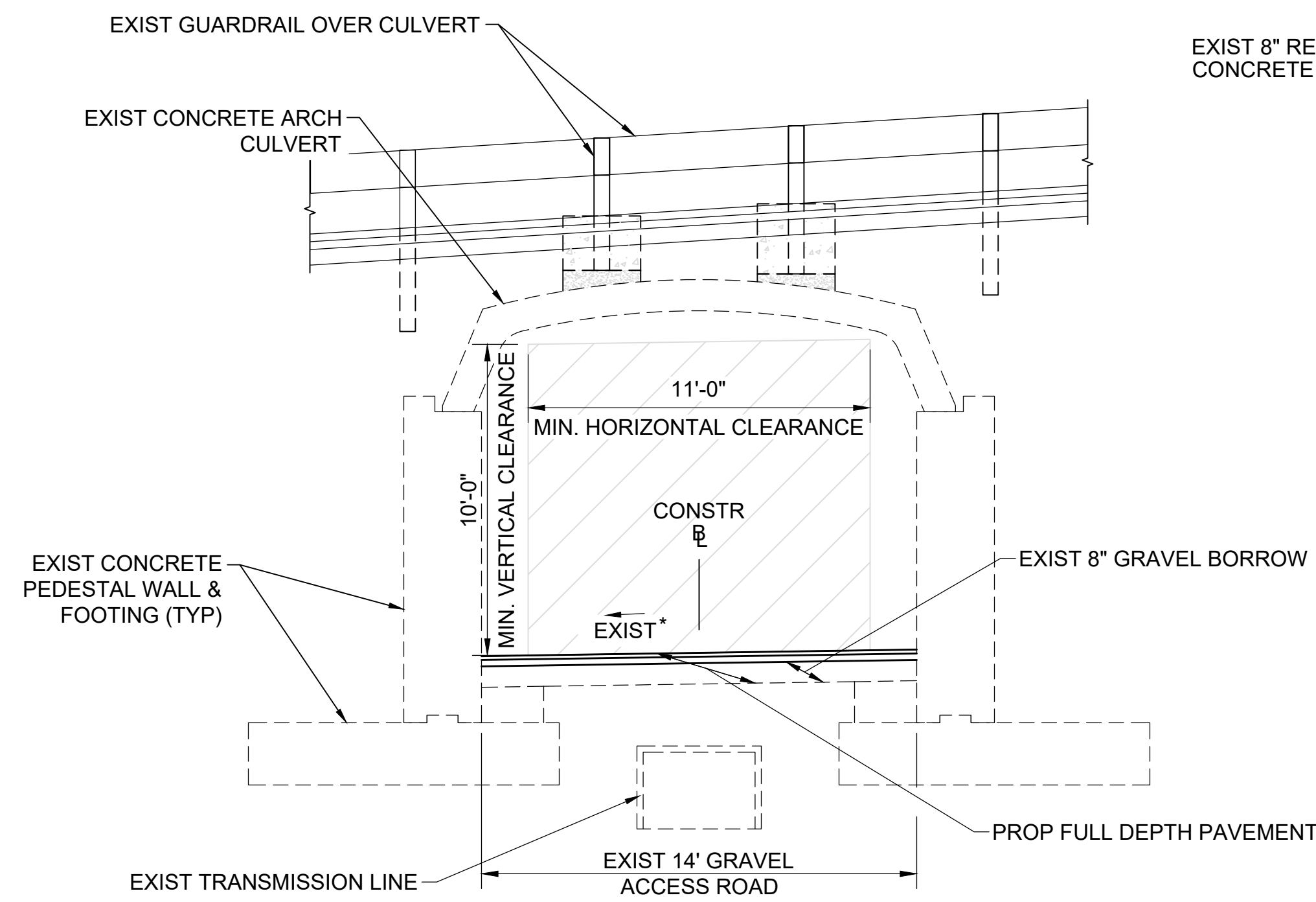
*SEE EVERSOURCE SUDBURY-HUDSON TRANSMISSION RELIABILITY PROJECT CROSS SECTIONS FOR EXISTING CROSS SLOPE INFORMATION



*SEE EVERSOURCE SUDBURY-HUDSON TRANSMISSION RELIABILITY PROJECT CROSS SECTIONS FOR EXISTING CROSS SLOPE INFORMATION

SHEETING SECTION LT

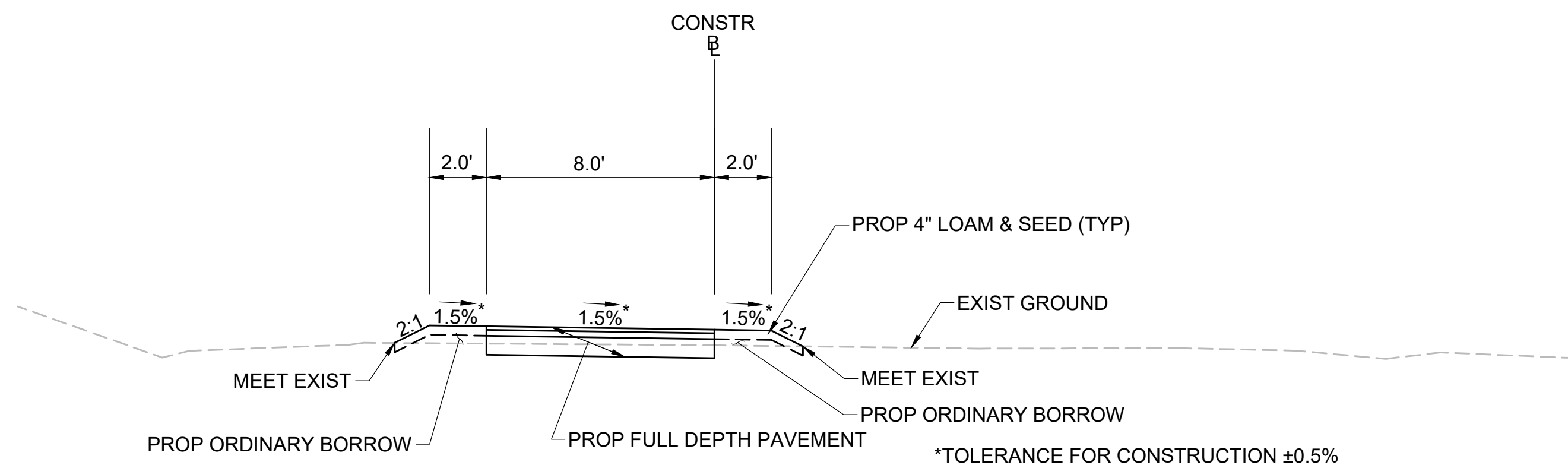
STA 119+00± TO STA 119+38±, STA 119+52± TO STA 125+00±, STA 148+25± TO STA 148+49±, STA 149+13± TO STA 149+75±, STA 300+50± TO STA 400+07±, STA 400+58± TO STA 401+25±, STA 724+73± TO STA 725+03±, STA 725+59± TO STA 725+96±
NTS



*SEE EVERSOURCE SUDBURY-HUDSON TRANSMISSION RELIABILITY PROJECT CROSS SECTIONS FOR EXISTING CROSS SLOPE INFORMATION

CHESTNUT STREET CULVERT

STA 132+44± TO STA 132+84±
NTS



*TOLERANCE FOR CONSTRUCTION ±0.5%

TYPICAL SECTION - MCRT CONNECTION

STA 10+15± TO STA 12+40±
NTS

REV.	DATE	DESCRIPTION	BY



**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF CONSERVATION AND RECREATION
DIVISION OF PLANNING AND ENGINEERING**

MASS CENTRAL RAIL TRAIL - WAYSIDE
MASS CENTRAL RAIL TRAIL
HUDSON, STOW, MARLBOROUGH & SUDBURY, MA

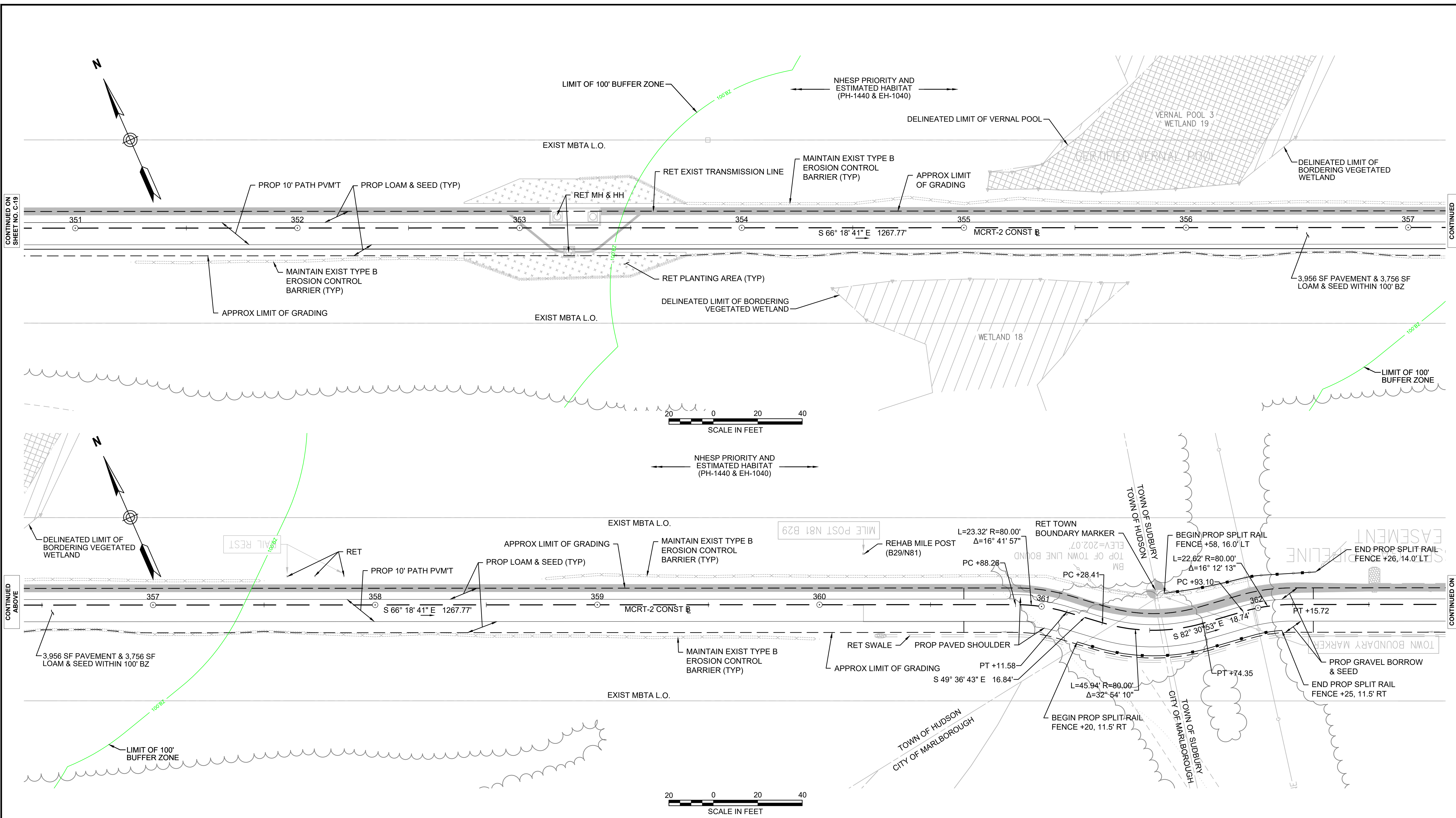
DESIGNER: JCR
CHECKED: SHK
DRAWN: JCR
CHECKED: TAL

TYPICAL SECTIONS & PVMT NOTES

CONT: P19-3295-D1A
ACC: XXXXXXXX

SCALE: 1" = 20'-0"
DATE: JAN 2021

SHEET NO. TS-02
2 OF 2



NOTE:
 1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED FEBRUARY 5, 2018 (MADEP FILE NO. 190-0611).

ENVIRONMENTAL IMPACTS LEGEND	
HATCH	DESCRIPTION
	ISOLATED VEGETATED WETLAND
	BORDERING VEGETATED WETLAND
	LAND UNDER WATER
	VERNAL POOL
	PERMANENT DISTURBANCE TO VEGETATED WETLAND
	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)
	DISTURBANCE TO WPA 200' RIVERFRONT AREA (WPA 200' RA)
	DISTURBANCE TO SUDBURY 200' RIVERFRONT AREA (SUD 200' RA)
	DISTURBANCE TO WPA 100' RIVERFRONT AREA (WPA 100' RA)
	DISTURBANCE TO SUDBURY 100' RIVERFRONT AREA (SUD 100' RA)
	DISTURBANCE TO 100' BUFFER ZONE (100' BZ-AURA)
	DISTURBANCE TO BLSF
	EXISTING TREE LINE
	LIMIT OF GRADING

REV.	DATE	DESCRIPTION	BY

vhb
 Transportation Land Development
 Environmental Services
 101 Walnut St., P.O. Box 9151
 Watertown, MA 02472
 617 924 1770 FAX 617 924 2286

**COMMONWEALTH OF MASSACHUSETTS
 DEPARTMENT OF CONSERVATION AND RECREATION
 DIVISION OF PLANNING AND ENGINEERING**

MASS CENTRAL RAIL TRAIL - WAYSIDE

**MASS CENTRAL RAIL TRAIL
 HUDSON, STOW, MARLBOROUGH & SUDBURY, MA**

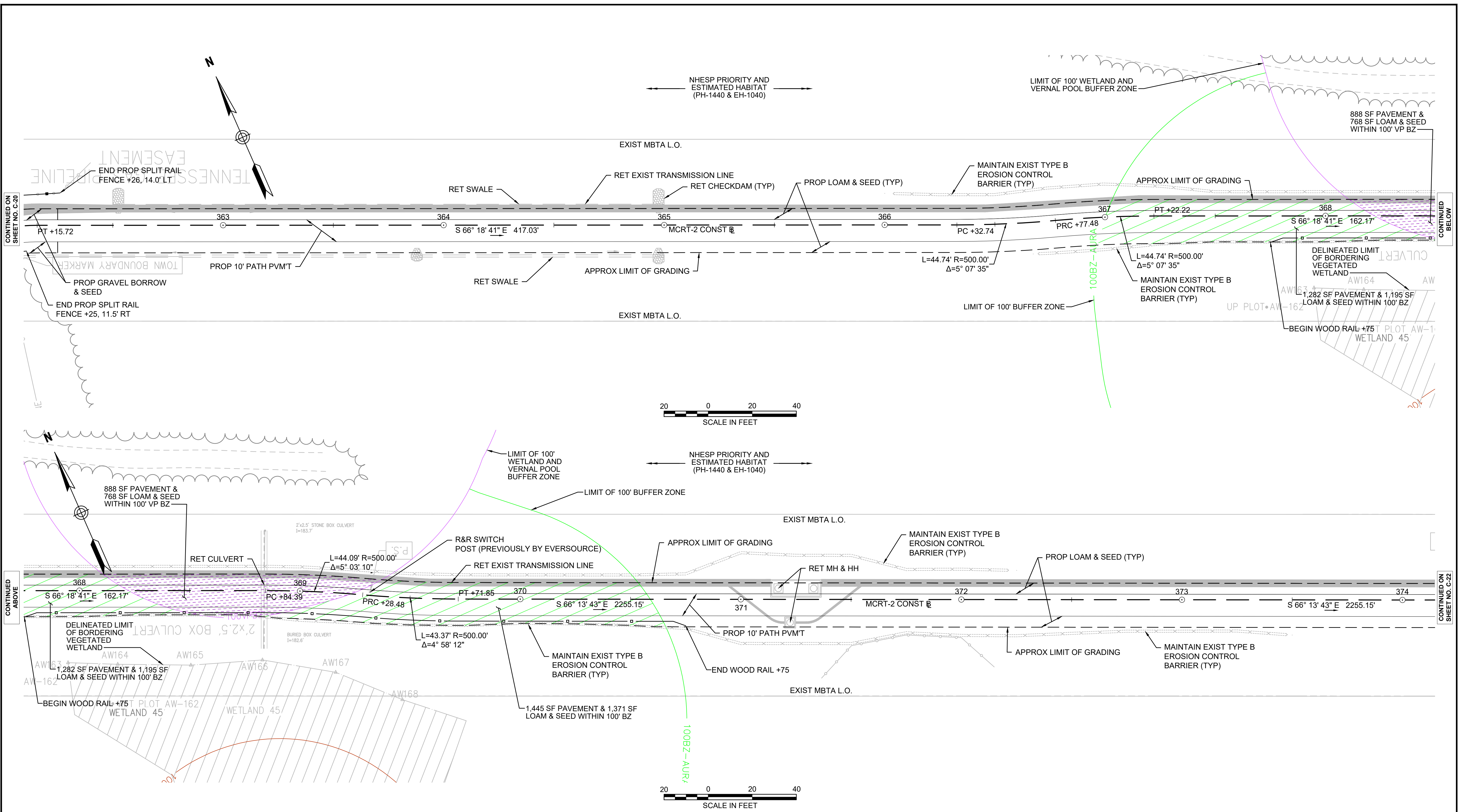
CONSTRUCTION PLANS

DESIGNER: JCR
 CHECKED: SHK
 DRAWN: JCR
 CHECKED: TAL

CONT: P19-3295-D1A
 ACC: XXXXXXXX

SCALE: 1" = 20'-0"
 DATE: JAN 2021

SHEET NO. **C-20**
 20 OF 46



NOTE:
 1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).

ENVIRONMENTAL IMPACTS LEGEND	
HATCH	DESCRIPTION
	ISOLATED VEGETATED WETLAND
	BORDERING VEGETATED WETLAND
	LAND UNDER WATER
	VERNAL POOL
	PERMANENT DISTURBANCE TO VEGETATED WETLAND
	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)
	DISTURBANCE TO WPA 200' RIVERFRONT AREA (WPA 200' RA)
	DISTURBANCE TO SUDBURY 200' RIVERFRONT AREA (SUD 200' RA)
	DISTURBANCE TO WPA 100' RIVERFRONT AREA (WPA 100' RA)
	DISTURBANCE TO SUDBURY 100' RIVERFRONT AREA (SUD 100' RA)
	DISTURBANCE TO 100' BUFFER ZONE (100' BZ-AURA)
	DISTURBANCE TO BLSF
	EXISTING TREE LINE
	LIMIT OF GRADING

REV.	DATE	DESCRIPTION	BY



**COMMONWEALTH OF MASSACHUSETTS
 DEPARTMENT OF CONSERVATION AND RECREATION
 DIVISION OF PLANNING AND ENGINEERING**

MASS CENTRAL RAIL TRAIL - WAYSIDE

**MASS CENTRAL RAIL TRAIL
 HUDSON, STOW, MARLBOROUGH & SUDBURY, MA**

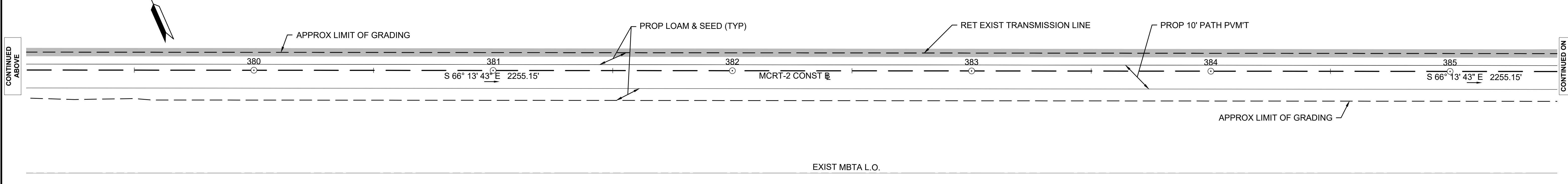
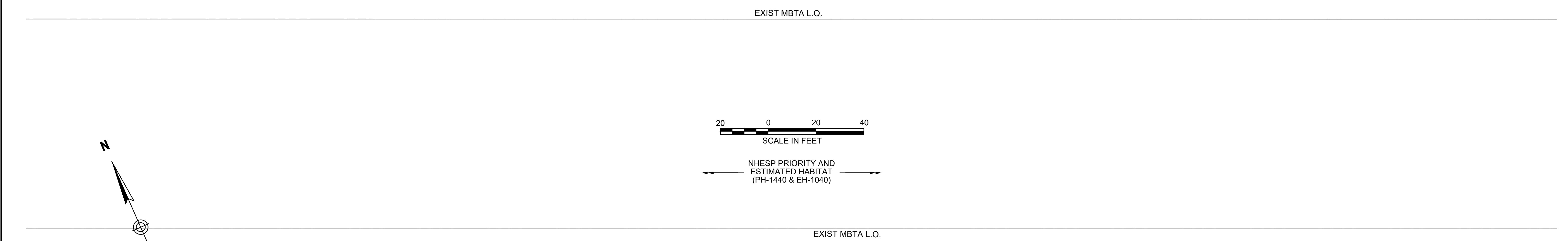
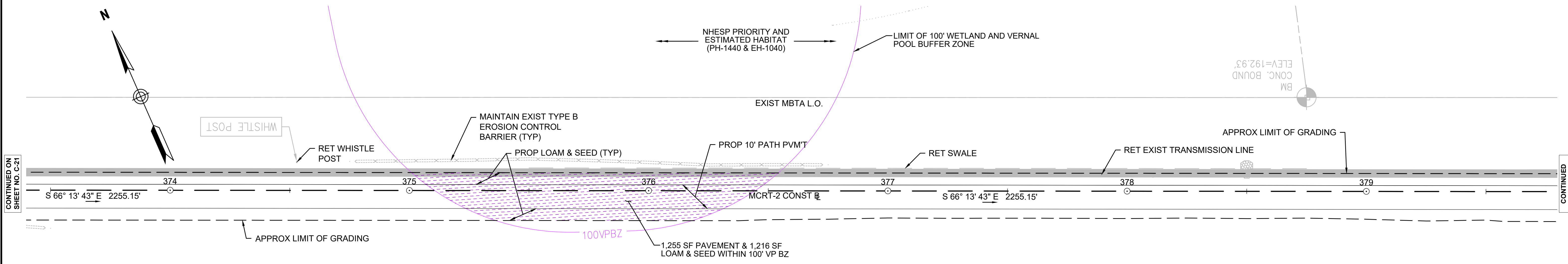
CONSTRUCTION PLANS

DESIGNER: JCR
 CHECKED: SHK
 DRAWN: JCR
 CHECKED: TAL

CONT: P19-3295-D1A
 ACC: XXXXXXXX

SCALE: 1" = 20'-0"
 DATE: JAN 2021

SHEET NO. **C-21**
 21 OF 46



NOTE:
 1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).

ENVIRONMENTAL IMPACTS LEGEND	
HATCH	DESCRIPTION
	ISOLATED VEGETATED WETLAND
	BORDERING VEGETATED WETLAND
	LAND UNDER WATER
	VERNAL POOL
	PERMANENT DISTURBANCE TO VEGETATED WETLAND
	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)
HATCH	DESCRIPTION
	DISTURBANCE TO WPA 200' RIVERFRONT AREA (WPA 200' RA)
	DISTURBANCE TO SUDBURY 200' RIVERFRONT AREA (SUD 200' RA)
	DISTURBANCE TO WPA 100' RIVERFRONT AREA (WPA 100' RA)
	DISTURBANCE TO SUDBURY 100' RIVERFRONT AREA (SUD 100' RA)
	DISTURBANCE TO 100' BUFFER ZONE (100' BZ-AURA)
	DISTURBANCE TO BLSF
	EXISTING TREE LINE
	LIMIT OF GRADING

REV.	DATE	DESCRIPTION	BY

Transportation Land Development
 Environmental Services
 101 Walnut St., P.O. Box 9151
 Watertown, MA 02472
 617 924 1770 FAX 617 924 2286

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF CONSERVATION AND RECREATION
DIVISION OF PLANNING AND ENGINEERING

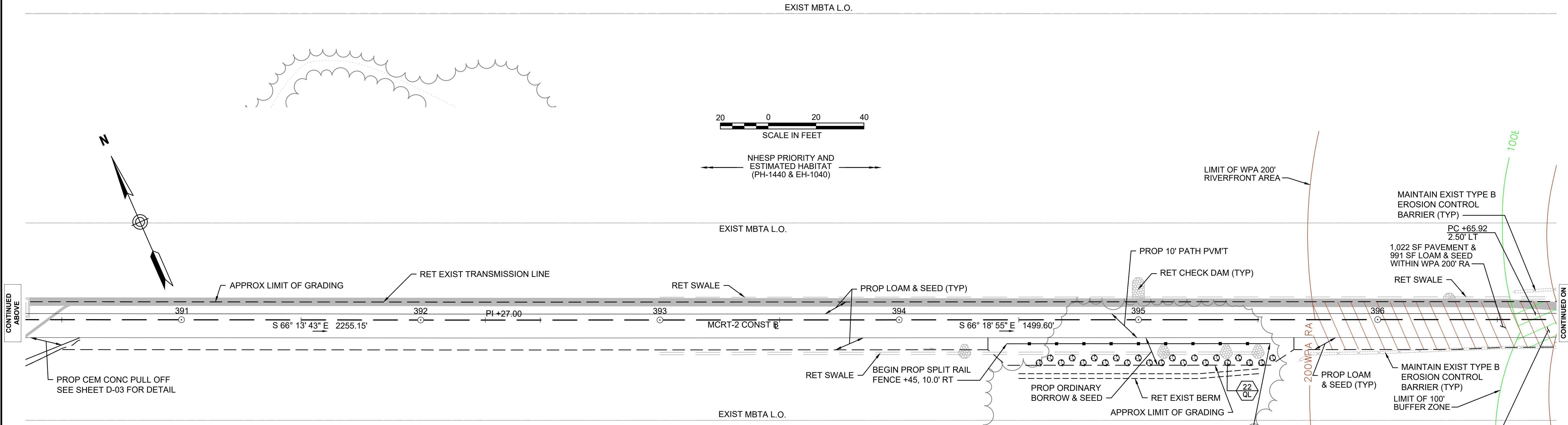
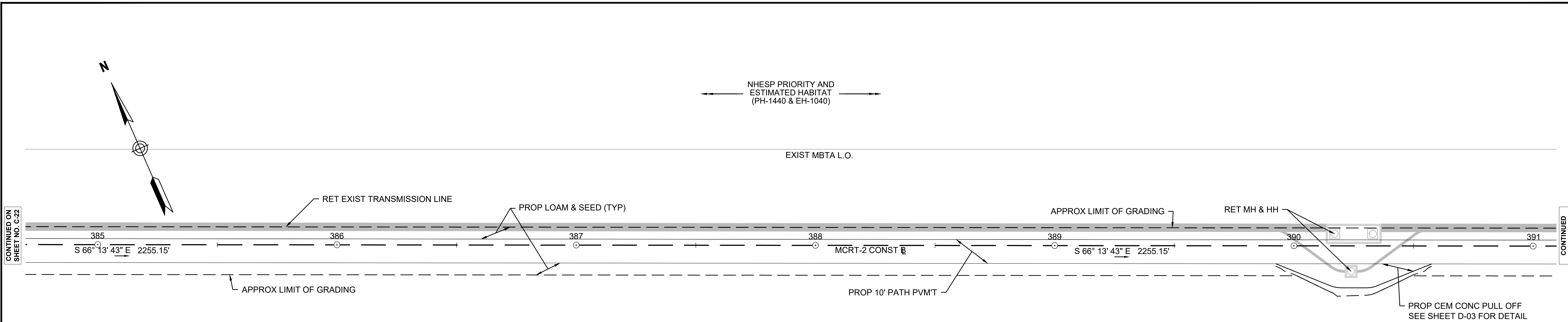
MASS CENTRAL RAIL TRAIL - WAYSIDE
MASS CENTRAL RAIL TRAIL
HUDSON, STOW, MARLBOROUGH & SUDBURY, MA

CONSTRUCTION PLANS

DESIGNER: JCR
 CHECKED: SHK
 DRAWN: JCR
 CHECKED: TAL

CONT: P19-3295-D1A
 ACC: XXXXXXXX
 SCALE: 1" = 20'-0"
 DATE: JAN 2021

SHEET NO. **C-22**
 22 OF 46



PROPOSED PLANTINGS					
KEY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY
TREES					
QL	QUERCUS LILICIFOLIA	SCRUB OAK	12-18" HT	60" O.C.	22

NOTE:
 1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).

ENVIRONMENTAL IMPACTS LEGEND	
HATCH	DESCRIPTION
[Hatch]	ISOLATED VEGETATED WETLAND
[Hatch]	BORDERING VEGETATED WETLAND
[Hatch]	LAND UNDER WATER
[Hatch]	VERNAL POOL
[Hatch]	PERMANENT DISTURBANCE TO VEGETATED WETLAND
[Hatch]	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)
[Hatch]	DISTURBANCE TO WPA 200' RIVERFRONT AREA (WPA 200' RA)
[Hatch]	DISTURBANCE TO SUDBURY 200' RIVERFRONT AREA (SUD 200' RA)
[Hatch]	DISTURBANCE TO WPA 100' RIVERFRONT AREA (WPA 100' RA)
[Hatch]	DISTURBANCE TO SUDBURY 100' RIVERFRONT AREA (SUD 100' RA)
[Hatch]	DISTURBANCE TO 100' BUFFER ZONE (100' BZ-AURA)
[Hatch]	DISTURBANCE TO BLSF
[Hatch]	EXISTING TREE LINE
[Hatch]	LIMIT OF GRADING

REV.	DATE	DESCRIPTION	BY

vhb
 Transportation Land Development
 Environmental Services
 101 Walnut St., P.O. Box 9151
 Watertown, MA 02472
 617 924 1770 FAX 617 924 2286

**COMMONWEALTH OF MASSACHUSETTS
 DEPARTMENT OF CONSERVATION AND RECREATION
 DIVISION OF PLANNING AND ENGINEERING**

MASS CENTRAL RAIL TRAIL - WAYSIDE

**MASS CENTRAL RAIL TRAIL
 HUDSON, STOW, MARLBOROUGH & SUDBURY, MA**

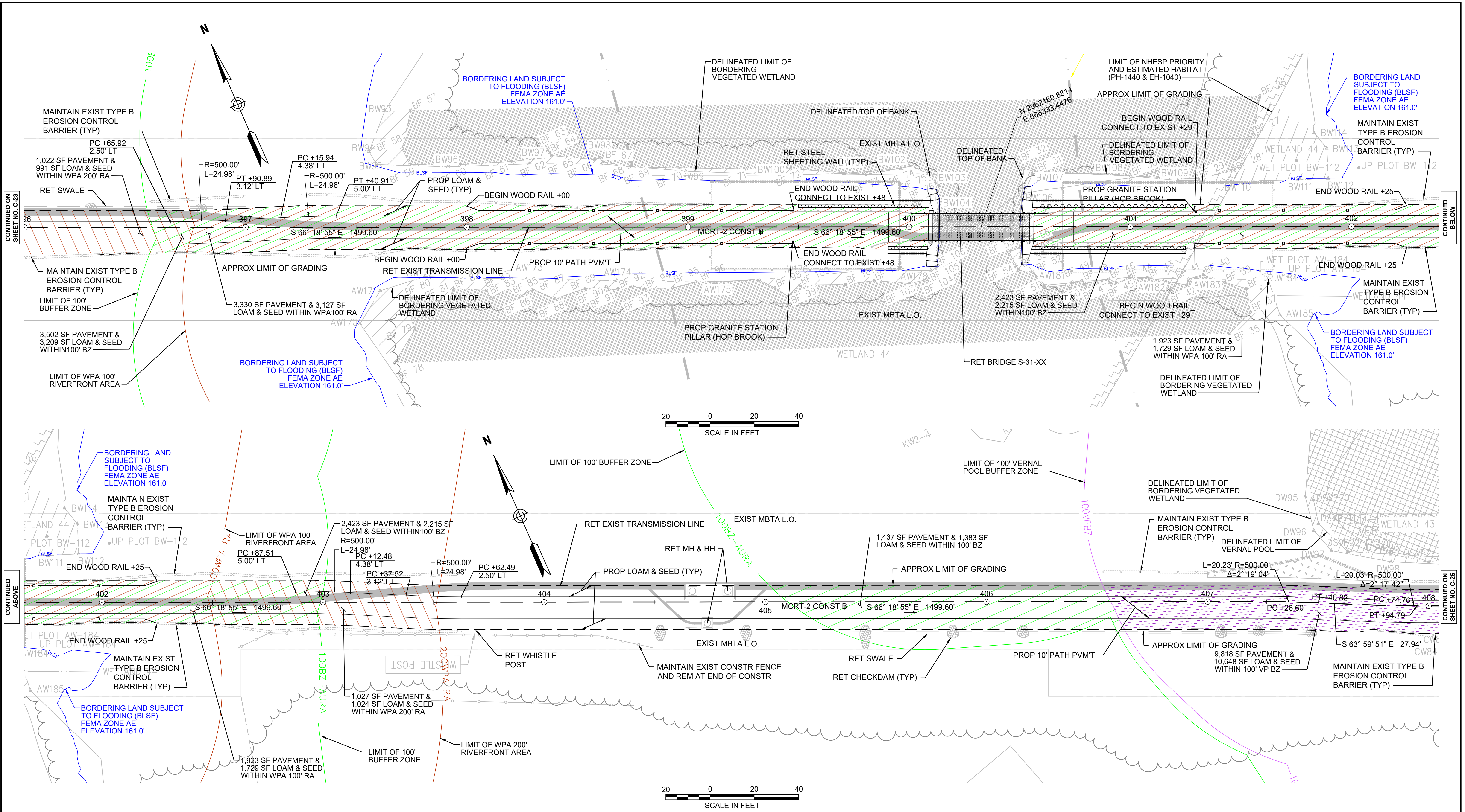
CONSTRUCTION PLANS

DESIGNER: JCR
 CHECKED: SHK
 DRAWN: JCR
 CHECKED: TAL

CONT: P19-3295-D1A
 ACC: XXXXXXXX

SCALE: 1" = 20'-0"
 DATE: JAN 2021

SHEET NO. **C-23**
 23 OF 46



NOTE:
 1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).

ENVIRONMENTAL IMPACTS LEGEND		DESCRIPTION	
HATCH	DESCRIPTION	HATCH	DESCRIPTION
[Hatched Box]	ISOLATED VEGETATED WETLAND	[Hatched Box]	DISTURBANCE TO WPA 200' RIVERFRONT AREA (WPA 200' RA)
[Hatched Box]	BORDERING VEGETATED WETLAND	[Hatched Box]	DISTURBANCE TO SUDBURY 200' RIVERFRONT AREA (SUD 200' RA)
[Hatched Box]	LAND UNDER WATER	[Hatched Box]	DISTURBANCE TO WPA 100' RIVERFRONT AREA (WPA 100' RA)
[Hatched Box]	VERNAL POOL	[Hatched Box]	DISTURBANCE TO SUDBURY 100' RIVERFRONT AREA (SUD 100' RA)
[Hatched Box]	PERMANENT DISTURBANCE TO VEGETATED WETLAND	[Hatched Box]	DISTURBANCE TO 100' BUFFER ZONE (100' BZ-AURA)
[Hatched Box]	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)	[Hatched Box]	DISTURBANCE TO BLSF
[Hatched Box]		[Hatched Box]	EXISTING TREE LINE
		[Hatched Box]	LIMIT OF GRADING

REV.	DATE	DESCRIPTION	BY



**COMMONWEALTH OF MASSACHUSETTS
 DEPARTMENT OF CONSERVATION AND RECREATION
 DIVISION OF PLANNING AND ENGINEERING**

MASS CENTRAL RAIL TRAIL - WAYSIDE

**MASS CENTRAL RAIL TRAIL
 HUDSON, STOW, MARLBOROUGH & SUDBURY, MA**

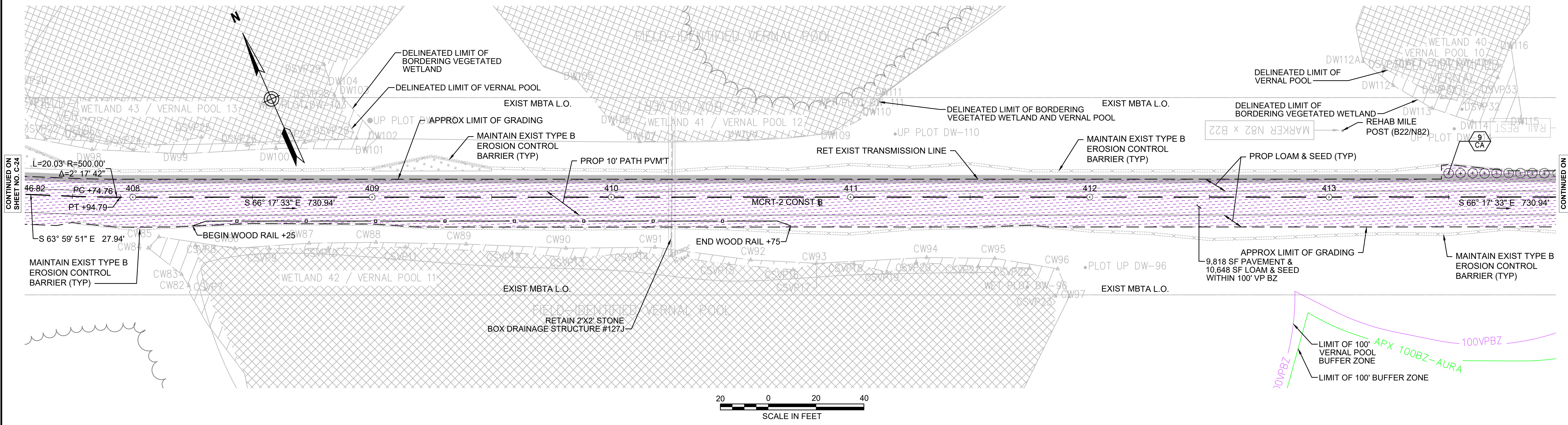
CONSTRUCTION PLANS

DESIGNER: JCR
 CHECKED: SHK
 DRAWN: JCR
 CHECKED: TAL

CONT: P19-3295-D1A
 ACC: XXXXXXXX

SCALE: 1" = 20'-0"
 DATE: JAN 2021

SHEET NO.
C-24
 24 OF 46



CONTINUED ON SHEET NO. C-24

CONTINUED ON SHEET NO. C-26

NOTE:
 1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).

ENVIRONMENTAL IMPACTS LEGEND	
HATCH	DESCRIPTION
[Hatched Box]	ISOLATED VEGETATED WETLAND
[Hatched Box]	BORDERING VEGETATED WETLAND
[Hatched Box]	LAND UNDER WATER
[Hatched Box]	VERNAL POOL
[Hatched Box]	PERMANENT DISTURBANCE TO VEGETATED WETLAND
[Hatched Box]	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)
HATCH	DESCRIPTION
[Hatched Box]	DISTURBANCE TO WPA 200' RIVERFRONT AREA (WPA 200' RA)
[Hatched Box]	DISTURBANCE TO SUDBURY 200' RIVERFRONT AREA (SUD 200' RA)
[Hatched Box]	DISTURBANCE TO WPA 100' RIVERFRONT AREA (WPA 100' RA)
[Hatched Box]	DISTURBANCE TO SUDBURY 100' RIVERFRONT AREA (SUD 100' RA)
[Hatched Box]	DISTURBANCE TO 100' BUFFER ZONE (100' BZ-AURA)
[Hatched Box]	DISTURBANCE TO BLSF
[Hatched Box]	EXISTING TREE LINE
[Hatched Box]	LIMIT OF GRADING

REV.	DATE	DESCRIPTION	BY



**COMMONWEALTH OF MASSACHUSETTS
 DEPARTMENT OF CONSERVATION AND RECREATION
 DIVISION OF PLANNING AND ENGINEERING**

MASS CENTRAL RAIL TRAIL - WAYSIDE

**MASS CENTRAL RAIL TRAIL
 HUDSON, STOW, MARLBOROUGH & SUDBURY, MA**

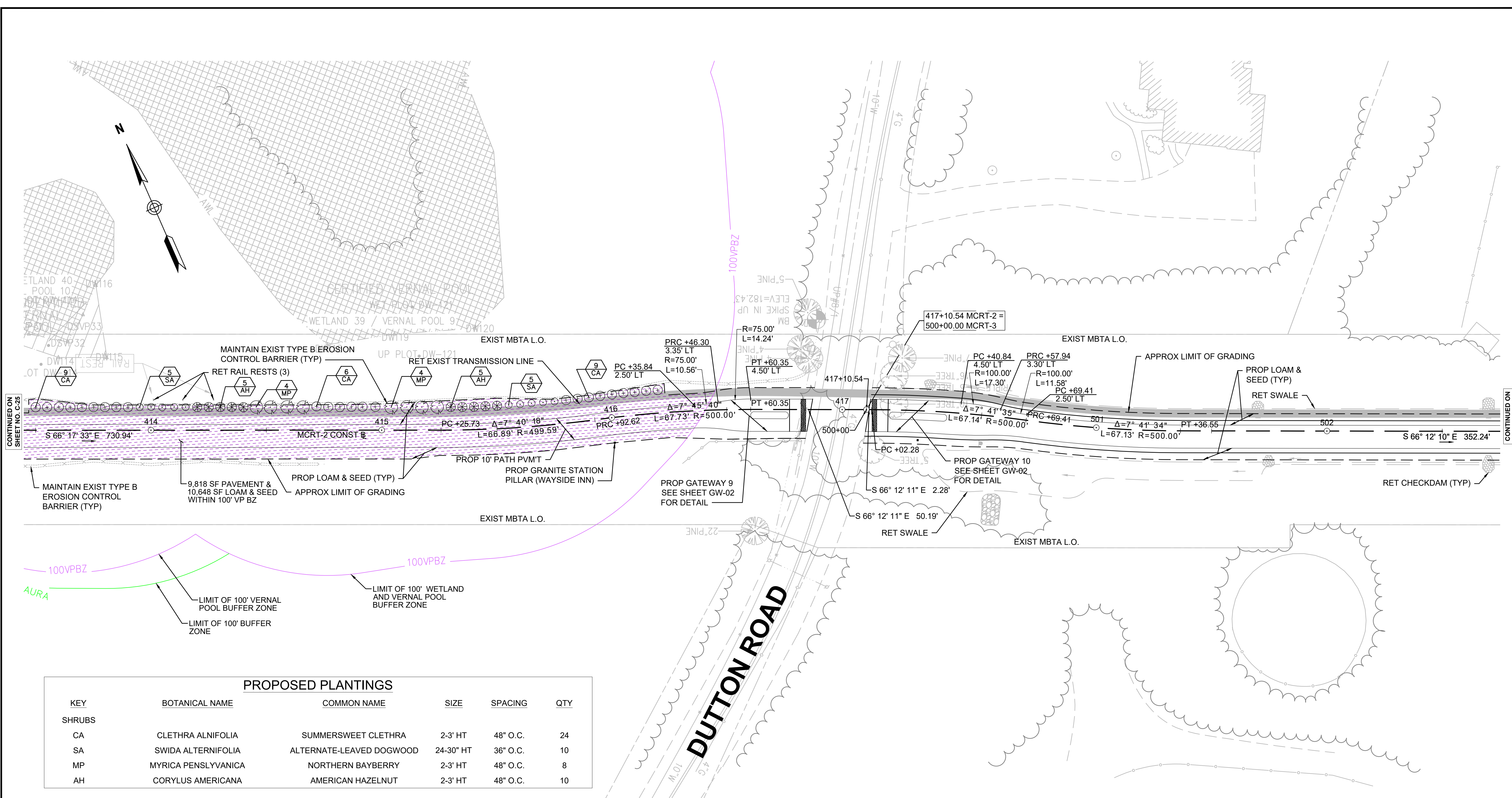
CONSTRUCTION PLANS

DESIGNER: JCR
 CHECKED: SHK
 DRAWN: JCR
 CHECKED: TAL

CONT: P19-3295-D1A
 ACC: XXXXXXXX

SCALE: 1" = 20'-0"
 DATE: JAN 2021

SHEET NO. **C-25**
 24 OF 46



CONTINUED ON SHEET NO. C-25

CONTINUED ON SHEET NO. C-27

PROPOSED PLANTINGS

KEY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY
SHRUBS					
CA	CLETHRA ALNIFOLIA	SUMMERSWEET CLETHRA	2-3' HT	48" O.C.	24
SA	SWIDA ALTERNIFOLIA	ALTERNATE-LEAVED DOGWOOD	24-30" HT	36" O.C.	10
MP	MYRICA PENNSYLVANICA	NORTHERN BAYBERRY	2-3' HT	48" O.C.	8
AH	CORYLUS AMERICANA	AMERICAN HAZELNUT	2-3' HT	48" O.C.	10



NOTE:
 1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).

ENVIRONMENTAL IMPACTS LEGEND	
HATCH	DESCRIPTION
[Hatched Box]	ISOLATED VEGETATED WETLAND
[Hatched Box]	BORDERING VEGETATED WETLAND
[Hatched Box]	LAND UNDER WATER
[Hatched Box]	VERNAL POOL
[Hatched Box]	PERMANENT DISTURBANCE TO VEGETATED WETLAND
[Hatched Box]	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)
[Hatched Box]	DISTURBANCE TO WPA 200' RIVERFRONT AREA (WPA 200' RA)
[Hatched Box]	DISTURBANCE TO SUDBURY 200' RIVERFRONT AREA (SUD 200' RA)
[Hatched Box]	DISTURBANCE TO WPA 100' RIVERFRONT AREA (WPA 100' RA)
[Hatched Box]	DISTURBANCE TO SUDBURY 100' RIVERFRONT AREA (SUD 100' RA)
[Hatched Box]	DISTURBANCE TO 100' BUFFER ZONE (100' BZ-AURA)
[Hatched Box]	DISTURBANCE TO BLSF
[Hatched Box]	EXISTING TREE LINE
[Hatched Box]	LIMIT OF GRADING

REV.	DATE	DESCRIPTION	BY

Transportation Land Development
 Environmental Services
 101 Walnut St., P.O. Box 9151
 Watertown, MA 02472
 617 924 1770 FAX 617 924 2286

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF CONSERVATION AND RECREATION
DIVISION OF PLANNING AND ENGINEERING

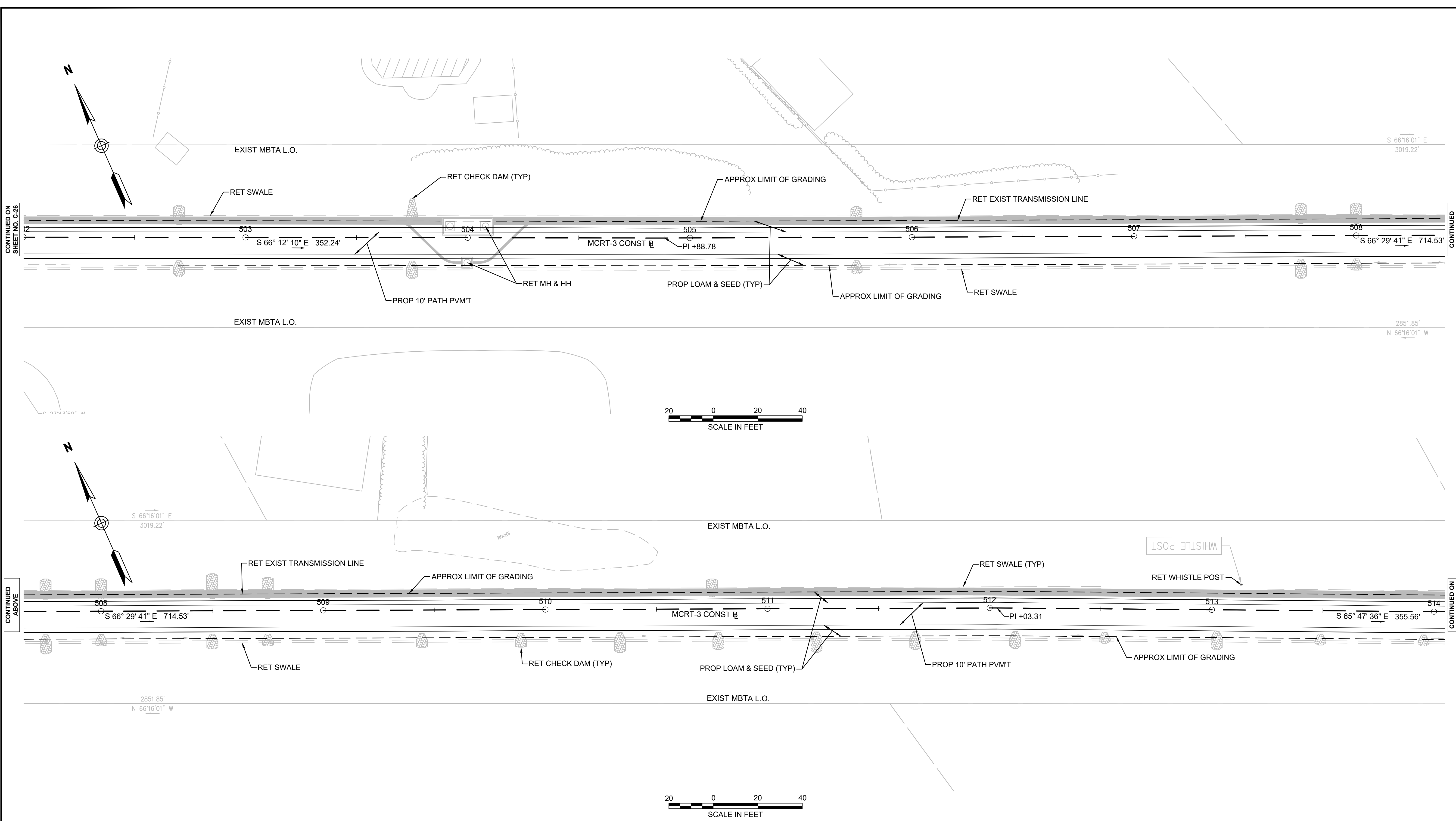
MASS CENTRAL RAIL TRAIL - WAYSIDE
MASS CENTRAL RAIL TRAIL
HUDSON, STOW, MARLBOROUGH & SUDBURY, MA

CONSTRUCTION PLANS

DESIGNER: JCR
 CHECKED: SHK
 DRAWN: JCR
 CHECKED: TAL

CONT: P19-3295-D1A
 ACC: XXXXXXXX
 SCALE: 1" = 20'-0"
 DATE: JAN 2021

SHEET NO. **C-26**
 26 OF 46



CONTINUED ON SHEET NO. C-28

CONTINUED BELOW

CONTINUED ABOVE

CONTINUED ON SHEET NO. C-28

NOTE:
 1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).

ENVIRONMENTAL IMPACTS LEGEND	
HATCH	DESCRIPTION
	ISOLATED VEGETATED WETLAND
	BORDERING VEGETATED WETLAND
	LAND UNDER WATER
	VERNAL POOL
	PERMANENT DISTURBANCE TO VEGETATED WETLAND
	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)
	DISTURBANCE TO WPA 200' RIVERFRONT AREA (WPA 200' RA)
	DISTURBANCE TO SUDBURY 200' RIVERFRONT AREA (SUD 200' RA)
	DISTURBANCE TO WPA 100' RIVERFRONT AREA (WPA 100' RA)
	DISTURBANCE TO SUDBURY 100' RIVERFRONT AREA (SUD 100' RA)
	DISTURBANCE TO 100' BUFFER ZONE (100' BZ-AURA)
	DISTURBANCE TO BLSF
	EXISTING TREE LINE
	LIMIT OF GRADING

REV.	DATE	DESCRIPTION	BY

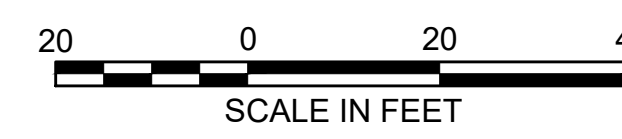
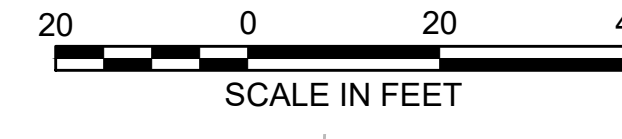
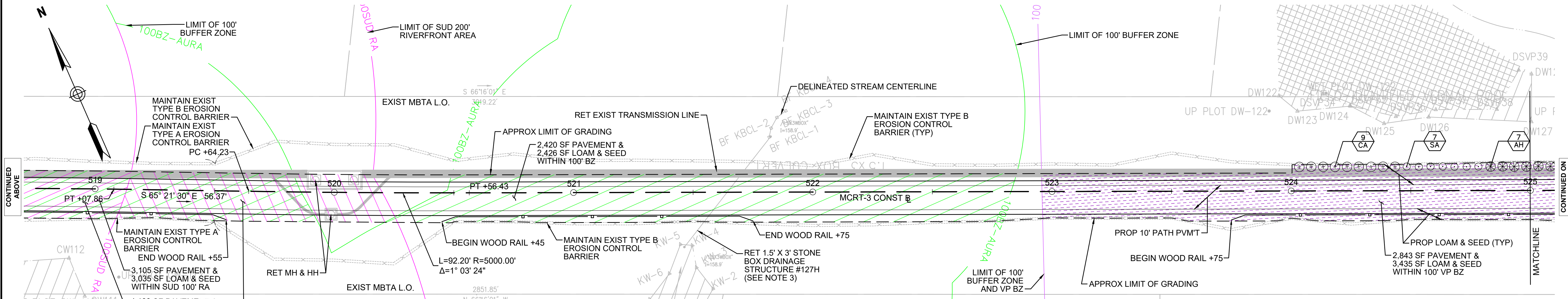
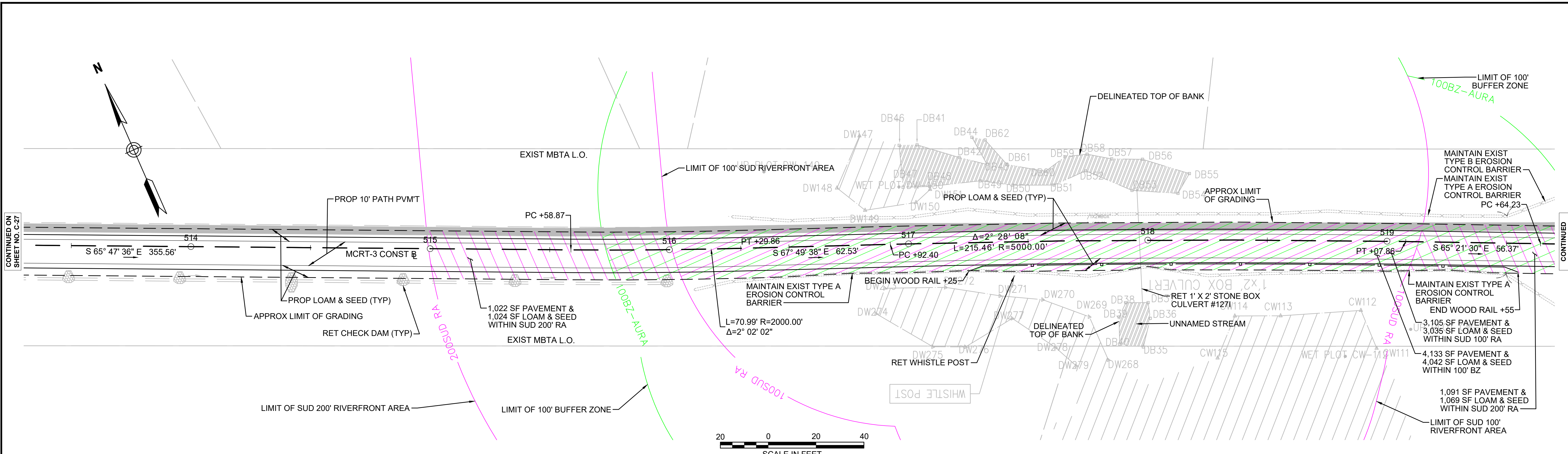
Transportation Land Development
 Environmental Services
 101 Walnut St., P.O. Box 9151
 Watertown, MA 02472
 617 924 1770 FAX 617 924 2286

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF CONSERVATION AND RECREATION
DIVISION OF PLANNING AND ENGINEERING

MASS CENTRAL RAIL TRAIL - WAYSIDE
MASS CENTRAL RAIL TRAIL
HUDSON, STOW, MARLBOROUGH & SUDBURY, MA

CONSTRUCTION PLANS

DESIGNER: JCR	CONT: P19-3295-D1A ACC: XXXXXXXX	SCALE: 1" = 20'-0"	SHEET NO. C-27 27 OF 46
CHECKED: SHK		DATE: JAN 2021	
DRAWN: JCR			
CHECKED: TAL			



PROPOSED PLANTINGS					
KEY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY
SHRUBS					
CA	CLETHRA ALNIFOLIA	SUMMERSWEET CLETHRA	2-3' HT	48" O.C.	SEE SHEET C-29
SA	SWIDA ALTERNIFOLIA	ALTERNATE-LEAVED DOGWOOD	24-30" HT	36" O.C.	SEE SHEET C-29
AH	CORYLUS AMERICANA	AMERICAN HAZELNUT	2-3' HT	48" O.C.	SEE SHEET C-29

NOTE:
 1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).

ENVIRONMENTAL IMPACTS LEGEND	
HATCH	DESCRIPTION
	ISOLATED VEGETATED WETLAND
	BORDERING VEGETATED WETLAND
	LAND UNDER WATER
	VERNAL POOL
	PERMANENT DISTURBANCE TO VEGETATED WETLAND
	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)
	DISTURBANCE TO WPA 200' RIVERFRONT AREA (WPA 200' RA)
	DISTURBANCE TO SUDBURY 200' RIVERFRONT AREA (SUD 200' RA)
	DISTURBANCE TO WPA 100' RIVERFRONT AREA (WPA 100' RA)
	DISTURBANCE TO SUDBURY 100' RIVERFRONT AREA (SUD 100' RA)
	DISTURBANCE TO 100' BUFFER ZONE (100' BZ-AURA)
	DISTURBANCE TO BLSF
	EXISTING TREE LINE
	LIMIT OF GRADING

REV.	DATE	DESCRIPTION	BY



**COMMONWEALTH OF MASSACHUSETTS
 DEPARTMENT OF CONSERVATION AND RECREATION
 DIVISION OF PLANNING AND ENGINEERING**

MASS CENTRAL RAIL TRAIL - WAYSIDE

MASS CENTRAL RAIL TRAIL
 HUDSON, STOW, MARLBOROUGH & SUDBURY, MA

DESIGNER: JCR
 CHECKED: SHK

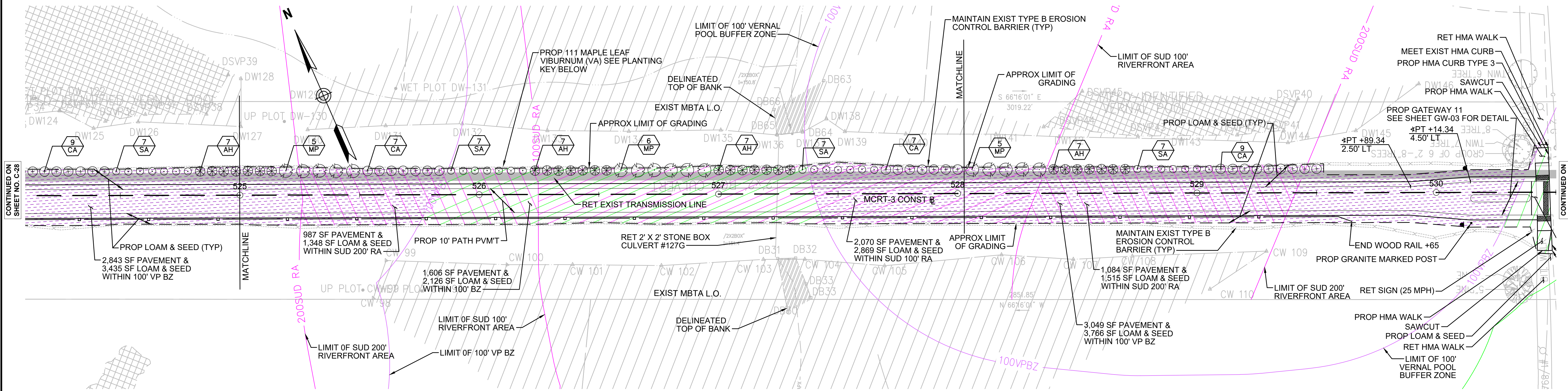
DRAWN: JCR
 CHECKED: TAL

CONSTRUCTION PLANS

CONT: P19-3295-D1A
 ACC: XXXXXXXX

SCALE: 1" = 20'-0"
 DATE: JAN 2021

SHEET NO.
C-28
 28 OF 46



PROPOSED PLANTINGS					
KEY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY
SHRUBS					
CA	CLETHRA ALNIFOLIA	SUMMERSWEET CLETHRA	2-3' HT	48" O.C.	23
SA	SWIDA ALTERNIFOLIA	ALTERNATE-LEAVED DOGWOOD	24-30" HT	36" O.C.	21
MP	MYRICA PENNSYLVANICA	NORTHERN BAYBERRY	2-3' HT	48" O.C.	11
AH	CORYLUS AMERICANA	AMERICAN HAZELNUT	2-3' HT	48" O.C.	21

NOTE:
 1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).

ENVIRONMENTAL IMPACTS LEGEND	
HATCH	DESCRIPTION
	ISOLATED VEGETATED WETLAND
	BORDERING VEGETATED WETLAND
	LAND UNDER WATER
	VERNAL POOL
	PERMANENT DISTURBANCE TO VEGETATED WETLAND
	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)
	DISTURBANCE TO WPA 200' RIVERFRONT AREA (WPA 200' RA)
	DISTURBANCE TO SUDBURY 200' RIVERFRONT AREA (SUD 200' RA)
	DISTURBANCE TO WPA 100' RIVERFRONT AREA (WPA 100' RA)
	DISTURBANCE TO SUDBURY 100' RIVERFRONT AREA (SUD 100' RA)
	DISTURBANCE TO 100' BUFFER ZONE (100' BZ-AURA)
	DISTURBANCE TO BLSF
	EXISTING TREE LINE
	LIMIT OF GRADING

REV.	DATE	DESCRIPTION	BY



**COMMONWEALTH OF MASSACHUSETTS
 DEPARTMENT OF CONSERVATION AND RECREATION
 DIVISION OF PLANNING AND ENGINEERING**

MASS CENTRAL RAIL TRAIL - WAYSIDE
 MASS CENTRAL RAIL TRAIL
 HUDSON, STOW, MARLBOROUGH & SUDBURY, MA

CONSTRUCTION PLANS

DESIGNER: JCR
 CHECKED: SHK
 DRAWN: JCR
 CHECKED: TAL

CONT: P19-3295-D1A
 ACC: XXXXXXXX

SCALE: 1" = 20'-0"
 DATE: JAN 2021

SHEET NO. **C-29**
 29 OF 46

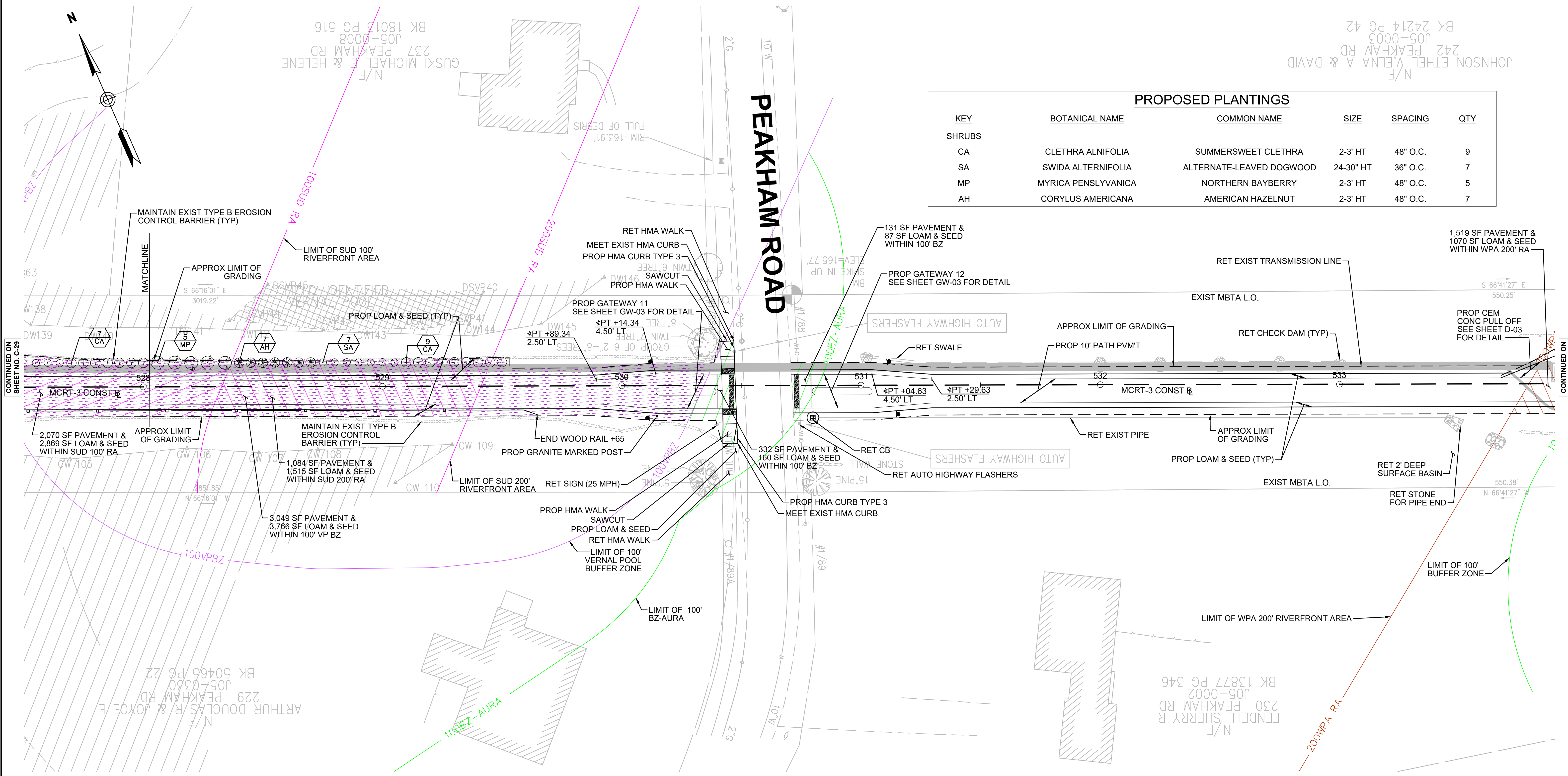
N/
JOHNSON ETHEL VELNA A & DAVID
242 PEAKHAM RD
J05-0003
BK 24214 PG 42

N/
GUSKI MICHAEL E & HELENE
237 PEAKHAM RD
J05-0008
BK 18015 PG 516

N/
ARTHUR DOUGLAS R & JOYCE E
229 PEAKHAM RD
J05-0350
BK 50465 PG 22

N/
FENDELL SHERRY R
230 PEAKHAM RD
J05-0002
BK 13877 PG 346

PROPOSED PLANTINGS					
KEY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY
SHRUBS					
CA	CLETHRA ALNIFOLIA	SUMMERSWEET CLETHRA	2-3' HT	48" O.C.	9
SA	SWIDA ALTERNIFOLIA	ALTERNATE-LEAVED DOGWOOD	24-30" HT	36" O.C.	7
MP	MYRICA PENNSYLVANICA	NORTHERN BAYBERRY	2-3' HT	48" O.C.	5
AH	CORYLUS AMERICANA	AMERICAN HAZELNUT	2-3' HT	48" O.C.	7



NOTE:
1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).

ENVIRONMENTAL IMPACTS LEGEND	
HATCH	DESCRIPTION
[Hatched Box]	ISOLATED VEGETATED WETLAND
[Hatched Box]	BORDERING VEGETATED WETLAND
[Hatched Box]	LAND UNDER WATER
[Hatched Box]	VERNAL POOL
[Hatched Box]	PERMANENT DISTURBANCE TO VEGETATED WETLAND
[Hatched Box]	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)
[Hatched Box]	DISTURBANCE TO WPA 200' RIVERFRONT AREA (WPA 200' RA)
[Hatched Box]	DISTURBANCE TO SUDBURY 200' RIVERFRONT AREA (SUD 200' RA)
[Hatched Box]	DISTURBANCE TO WPA 100' RIVERFRONT AREA (WPA 100' RA)
[Hatched Box]	DISTURBANCE TO SUDBURY 100' RIVERFRONT AREA (SUD 100' RA)
[Hatched Box]	DISTURBANCE TO 100' BUFFER ZONE (100' BZ-AURA)
[Hatched Box]	DISTURBANCE TO BLSF
[Hatched Box]	EXISTING TREE LINE
[Hatched Box]	LIMIT OF GRADING

REV.	DATE	DESCRIPTION	BY



**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF CONSERVATION AND RECREATION
DIVISION OF PLANNING AND ENGINEERING**

MASS CENTRAL RAIL TRAIL - WAYSIDE
MASS CENTRAL RAIL TRAIL
HUDSON, STOW, MARLBOROUGH & SUDBURY, MA

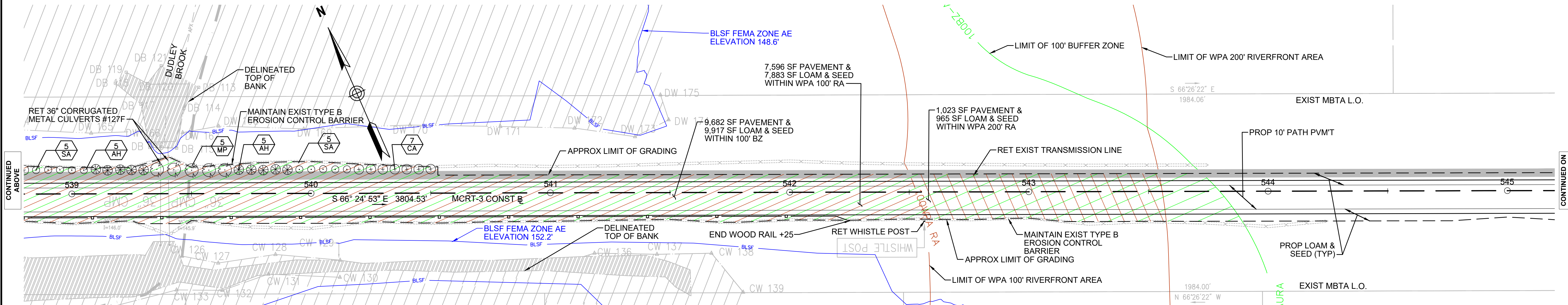
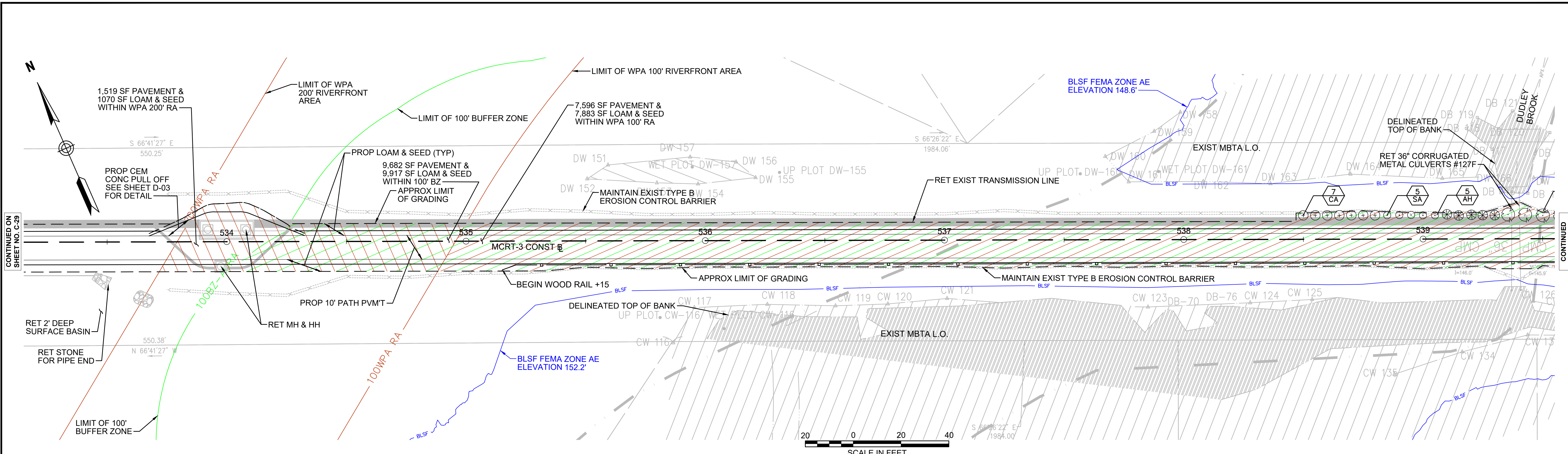
CONSTRUCTION PLANS

DESIGNER: JCR
CHECKED: SHK
DRAWN: JCR
CHECKED: TAL

CONT: P19-3295-D1A
ACC: XXXXXXXX

SCALE: 1" = 20'-0"
DATE: JAN 2021

SHEET NO. C-30
30 OF 46



PROPOSED PLANTINGS

KEY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY
SHRUBS					
CA	CLETHRA ALNIFOLIA	SUMMERSWEET CLETHRA	2-3' HT	48" O.C.	14
SA	SWIDA ALTERNIFOLIA	ALTERNATE-LEAVED DOGWOOD	24-30" HT	36" O.C.	10
MP	MYRICA PENSYLVANICA	NORTHERN BAYBERRY	2-3' HT	48" O.C.	5
AH	CORYLUS AMERICANA	AMERICAN HAZELNUT	2-3' HT	48" O.C.	10

NOTE:
1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).

ENVIRONMENTAL IMPACTS LEGEND	
HATCH	DESCRIPTION
[Hatched Pattern]	ISOLATED VEGETATED WETLAND
[Hatched Pattern]	BORDERING VEGETATED WETLAND
[Hatched Pattern]	LAND UNDER WATER
[Hatched Pattern]	VERNAL POOL
[Hatched Pattern]	PERMANENT DISTURBANCE TO VEGETATED WETLAND
[Hatched Pattern]	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)
HATCH	DESCRIPTION
[Hatched Pattern]	DISTURBANCE TO WPA 200' RIVERFRONT AREA (WPA 200' RA)
[Hatched Pattern]	DISTURBANCE TO SUDBURY 200' RIVERFRONT AREA (SUD 200' RA)
[Hatched Pattern]	DISTURBANCE TO WPA 100' RIVERFRONT AREA (WPA 100' RA)
[Hatched Pattern]	DISTURBANCE TO SUDBURY 100' RIVERFRONT AREA (SUD 100' RA)
[Hatched Pattern]	DISTURBANCE TO 100' BUFFER ZONE (100' BZ-AURA)
[Hatched Pattern]	DISTURBANCE TO BLSF
[Hatched Pattern]	EXISTING TREE LINE
[Hatched Pattern]	LIMIT OF GRADING

REV.	DATE	DESCRIPTION	BY



**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF CONSERVATION AND RECREATION
DIVISION OF PLANNING AND ENGINEERING**

MASS CENTRAL RAIL TRAIL - WAYSIDE

**MASS CENTRAL RAIL TRAIL
HUDSON, STOW, MARLBOROUGH & SUDBURY, MA**

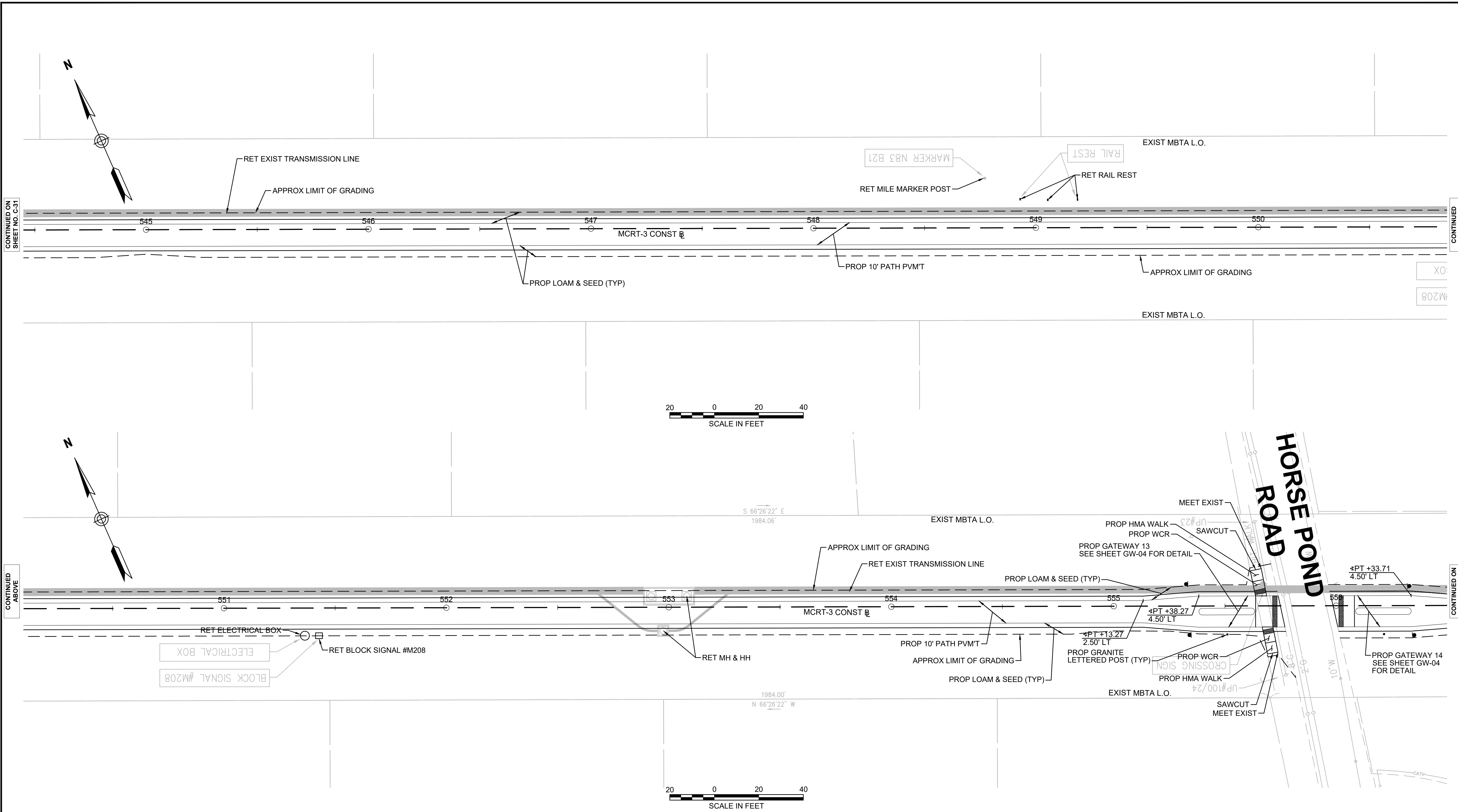
CONSTRUCTION PLANS

DESIGNER: JCR
CHECKED: SHK
DRAWN: JCR
CHECKED: TAL

CONT: P19-3295-D1A
ACC: XXXXXXXX

SCALE: 1" = 20'-0"
DATE: JAN 2021

SHEET NO. **C-31**
31 OF 46



CONTINUED ON SHEET NO. C-31

CONTINUED BELOW

CONTINUED ABOVE

CONTINUED ON SHEET NO. C-33

NOTE:
 1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).

ENVIRONMENTAL IMPACTS LEGEND	
HATCH	DESCRIPTION
	ISOLATED VEGETATED WETLAND
	BORDERING VEGETATED WETLAND
	LAND UNDER WATER
	VERNAL POOL
	PERMANENT DISTURBANCE TO VEGETATED WETLAND
	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)
	DISTURBANCE TO WPA 200' RIVERFRONT AREA (WPA 200' RA)
	DISTURBANCE TO SUDBURY 200' RIVERFRONT AREA (SUD 200' RA)
	DISTURBANCE TO WPA 100' RIVERFRONT AREA (WPA 100' RA)
	DISTURBANCE TO SUDBURY 100' RIVERFRONT AREA (SUD 100' RA)
	DISTURBANCE TO 100' BUFFER ZONE (100' BZ-AURA)
	DISTURBANCE TO BLSF
	EXISTING TREE LINE
	LIMIT OF GRADING

REV.	DATE	DESCRIPTION	BY

Transportation Land Development
 Environmental Services
 101 Walnut St., P.O. Box 9151
 Watertown, MA 02472
 617 924 1770 FAX 617 924 2286

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF CONSERVATION AND RECREATION
DIVISION OF PLANNING AND ENGINEERING

MASS CENTRAL RAIL TRAIL - WAYSIDE
MASS CENTRAL RAIL TRAIL
HUDSON, STOW, MARLBOROUGH & SUDBURY, MA

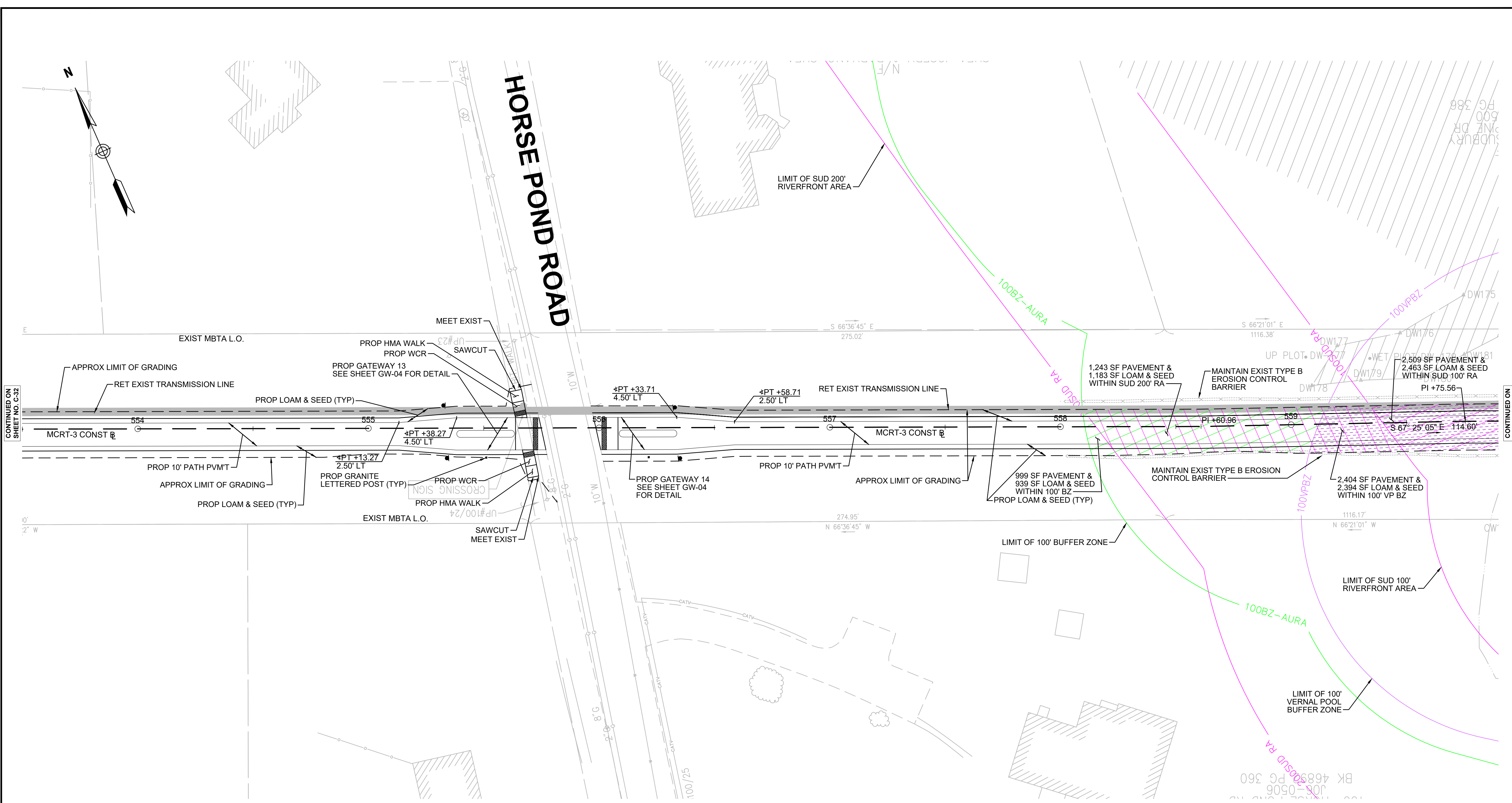
CONSTRUCTION PLANS

DESIGNER: JCR
 CHECKED: SHK
 DRAWN: JCR
 CHECKED: TAL

CONT: P19-3295-D1A
 ACC: XXXXXXXX

SCALE: 1" = 20'-0"
 DATE: JAN 2021

SHEET NO. **C-32**
 32 OF 46



CONTINUED ON SHEET NO. C-32

CONTINUED ON SHEET NO. C-34

NOTE:
 1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).

ENVIRONMENTAL IMPACTS LEGEND	
HATCH	DESCRIPTION
	ISOLATED VEGETATED WETLAND
	BORDERING VEGETATED WETLAND
	LAND UNDER WATER
	VERNAL POOL
	PERMANENT DISTURBANCE TO VEGETATED WETLAND
	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)
	DISTURBANCE TO WPA 200' RIVERFRONT AREA (WPA 200' RA)
	DISTURBANCE TO SUDBURY 200' RIVERFRONT AREA (SUD 200' RA)
	DISTURBANCE TO WPA 100' RIVERFRONT AREA (WPA 100' RA)
	DISTURBANCE TO SUDBURY 100' RIVERFRONT AREA (SUD 100' RA)
	DISTURBANCE TO 100' BUFFER ZONE (100' BZ-AURA)
	DISTURBANCE TO BLSF
	EXISTING TREE LINE
	LIMIT OF GRADING

REV.	DATE	DESCRIPTION	BY



**COMMONWEALTH OF MASSACHUSETTS
 DEPARTMENT OF CONSERVATION AND RECREATION
 DIVISION OF PLANNING AND ENGINEERING**

MASS CENTRAL RAIL TRAIL - WAYSIDE

**MASS CENTRAL RAIL TRAIL
 HUDSON, STOW, MARLBOROUGH & SUDBURY, MA**

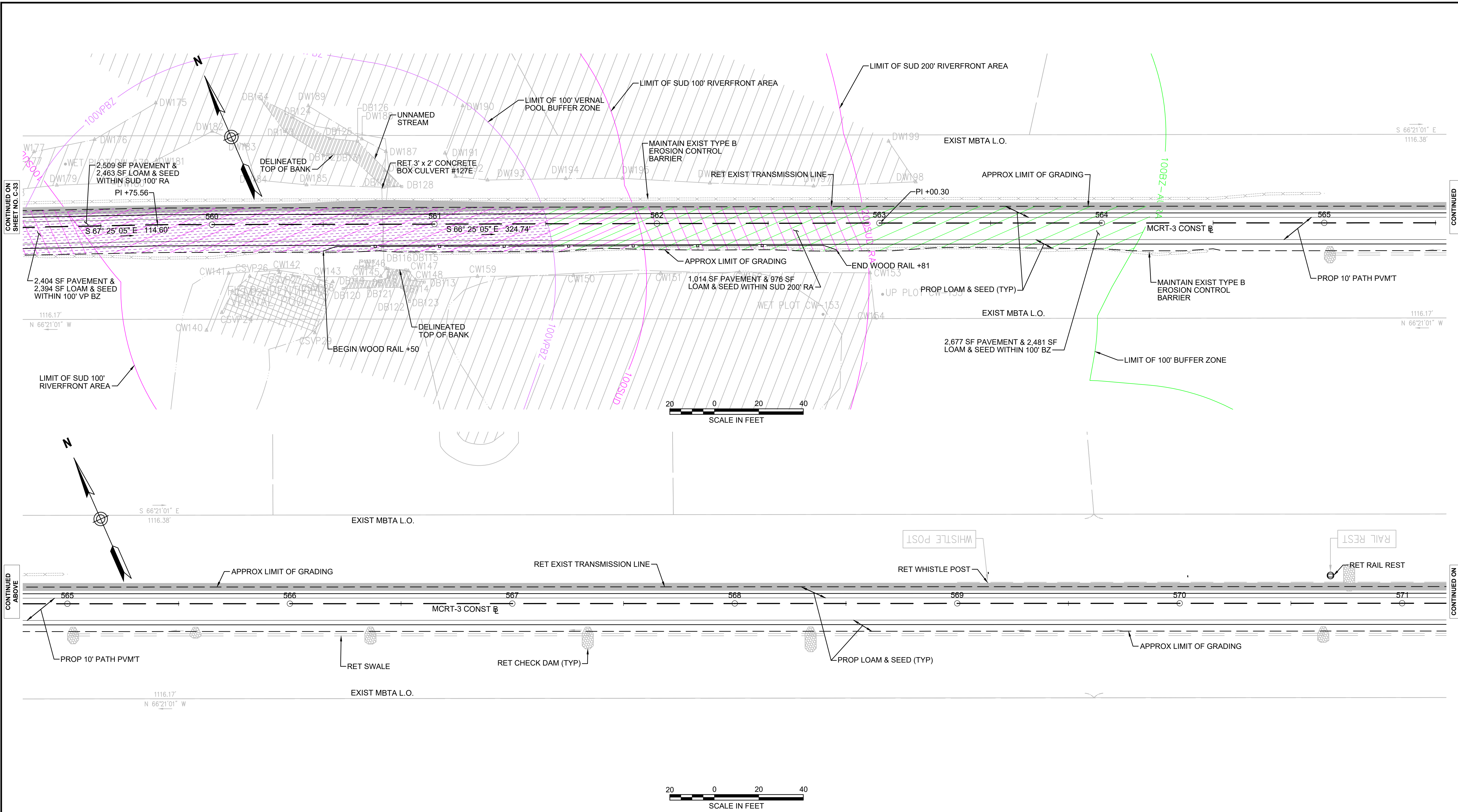
CONSTRUCTION PLANS

DESIGNER: JCR
 CHECKED: SHK
 DRAWN: JCR
 CHECKED: TAL

CONT: P19-3295-D1A
 ACC: XXXXXXXX

SCALE: 1" = 20'-0"
 DATE: JAN 2021

SHEET NO. **C-33**
 33 OF 46



NOTE:
 1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).

ENVIRONMENTAL IMPACTS LEGEND	
HATCH	DESCRIPTION
	ISOLATED VEGETATED WETLAND
	BORDERING VEGETATED WETLAND
	LAND UNDER WATER
	VERNAL POOL
	PERMANENT DISTURBANCE TO VEGETATED WETLAND
	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)
	DISTURBANCE TO WPA 200' RIVERFRONT AREA (WPA 200' RA)
	DISTURBANCE TO SUDBURY 200' RIVERFRONT AREA (SUD 200' RA)
	DISTURBANCE TO WPA 100' RIVERFRONT AREA (WPA 100' RA)
	DISTURBANCE TO SUDBURY 100' RIVERFRONT AREA (SUD 100' RA)
	DISTURBANCE TO 100' BUFFER ZONE (100' BZ-AURA)
	DISTURBANCE TO BLSF
	EXISTING TREE LINE
	LIMIT OF GRADING

REV.	DATE	DESCRIPTION	BY



**COMMONWEALTH OF MASSACHUSETTS
 DEPARTMENT OF CONSERVATION AND RECREATION
 DIVISION OF PLANNING AND ENGINEERING**

MASS CENTRAL RAIL TRAIL - WAYSIDE

**MASS CENTRAL RAIL TRAIL
 HUDSON, STOW, MARLBOROUGH & SUDBURY, MA**

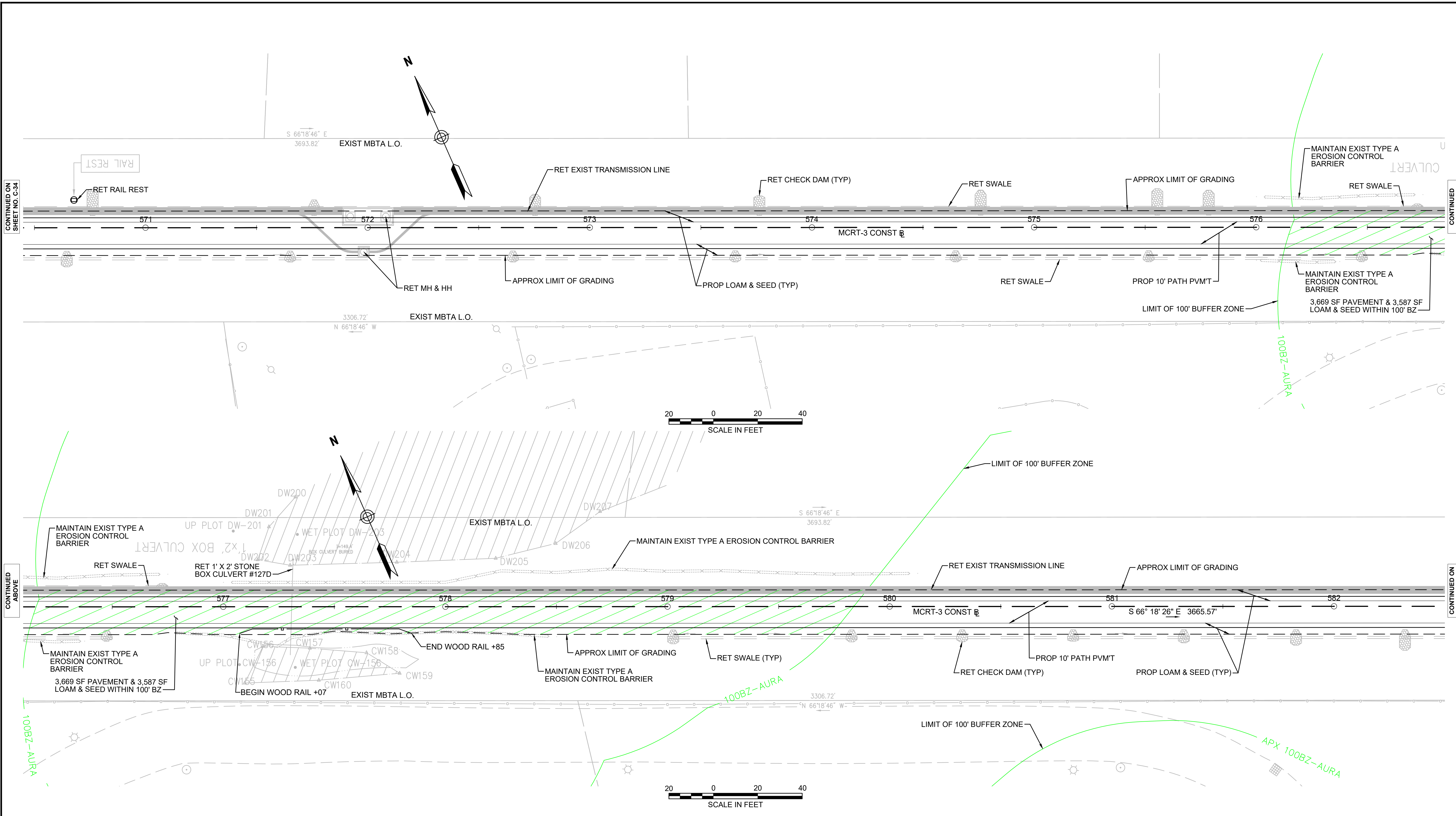
CONSTRUCTION PLANS

DESIGNER: JCR
 CHECKED: SHK
 DRAWN: JCR
 CHECKED: TAL

CONT: P19-3295-D1A
 ACC: XXXXXXXX

SCALE: 1" = 20'-0"
 DATE: JAN 2021

SHEET NO. **C-34**
 34 OF 46



CONTINUED ON SHEET NO. C-34

CONTINUED BELOW

CONTINUED ABOVE

CONTINUED ON SHEET NO. C-38

NOTE:
 1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).

ENVIRONMENTAL IMPACTS LEGEND		DESCRIPTION	
HATCH	DESCRIPTION	HATCH	DESCRIPTION
[Hatched Box]	ISOLATED VEGETATED WETLAND	[Hatched Box]	DISTURBANCE TO WPA 200' RIVERFRONT AREA (WPA 200' RA)
[Hatched Box]	BORDERING VEGETATED WETLAND	[Hatched Box]	DISTURBANCE TO SUDBURY 200' RIVERFRONT AREA (SUD 200' RA)
[Hatched Box]	LAND UNDER WATER	[Hatched Box]	DISTURBANCE TO WPA 100' RIVERFRONT AREA (WPA 100' RA)
[Hatched Box]	VERNAL POOL	[Hatched Box]	DISTURBANCE TO SUDBURY 100' RIVERFRONT AREA (SUD 100' RA)
[Hatched Box]	PERMANENT DISTURBANCE TO VEGETATED WETLAND	[Hatched Box]	DISTURBANCE TO 100' BUFFER ZONE (100' BZ-AURA)
[Hatched Box]	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)	[Hatched Box]	DISTURBANCE TO BLSF
		[Hatched Box]	EXISTING TREE LINE
		[Hatched Box]	LIMIT OF GRADING

REV.	DATE	DESCRIPTION	BY



**COMMONWEALTH OF MASSACHUSETTS
 DEPARTMENT OF CONSERVATION AND RECREATION
 DIVISION OF PLANNING AND ENGINEERING**

MASS CENTRAL RAIL TRAIL - WAYSIDE

**MASS CENTRAL RAIL TRAIL
 HUDSON, STOW, MARLBOROUGH & SUDBURY, MA**

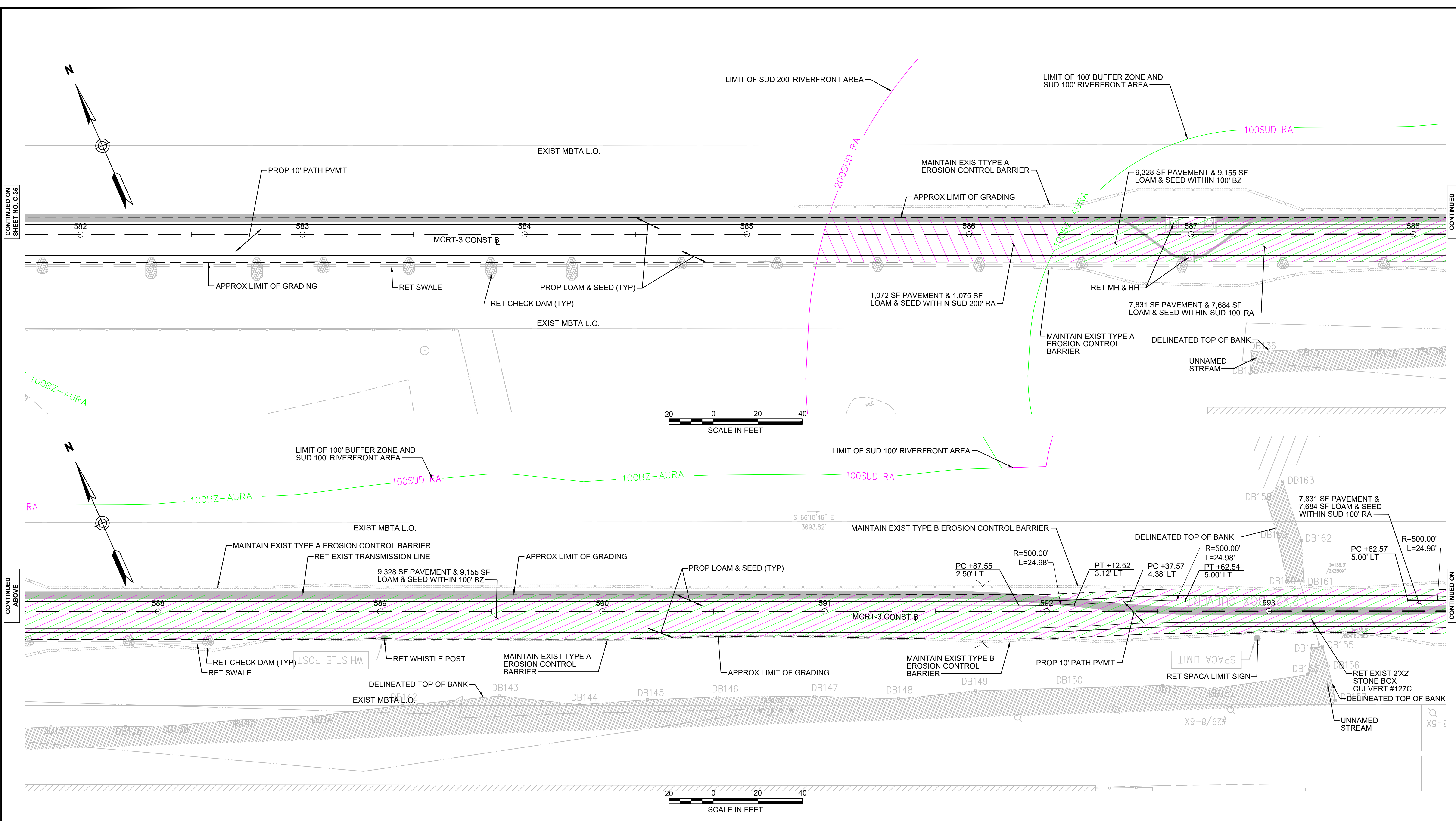
CONSTRUCTION PLANS

DESIGNER: JCR
 CHECKED: SHK
 DRAWN: JCR
 CHECKED: TAL

CONT: P19-3295-D1A
 ACC: XXXXXXXx

SCALE: 1" = 20'-0"
 DATE: JAN 2021

SHEET NO. **C-35**
 35 OF 46



CONTINUED ON SHEET NO. C-35

CONTINUED BELOW

CONTINUED ABOVE

CONTINUED ON SHEET NO. C-37

NOTE:
1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).

ENVIRONMENTAL IMPACTS LEGEND		DESCRIPTION	
HATCH	DESCRIPTION	HATCH	DESCRIPTION
[Hatch Pattern]	ISOLATED VEGETATED WETLAND	[Hatch Pattern]	DISTURBANCE TO WPA 200' RIVERFRONT AREA (WPA 200' RA)
[Hatch Pattern]	BORDERING VEGETATED WETLAND	[Hatch Pattern]	DISTURBANCE TO SUDBURY 200' RIVERFRONT AREA (SUD 200' RA)
[Hatch Pattern]	LAND UNDER WATER	[Hatch Pattern]	DISTURBANCE TO WPA 100' RIVERFRONT AREA (WPA 100' RA)
[Hatch Pattern]	VERNAL POOL	[Hatch Pattern]	DISTURBANCE TO SUDBURY 100' RIVERFRONT AREA (SUD 100' RA)
[Hatch Pattern]	PERMANENT DISTURBANCE TO VEGETATED WETLAND	[Hatch Pattern]	DISTURBANCE TO 100' BUFFER ZONE (100' BZ-AURA)
[Hatch Pattern]	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)	[Hatch Pattern]	DISTURBANCE TO BLSF
[Hatch Pattern]		[Hatch Pattern]	EXISTING TREE LINE
		[Hatch Pattern]	LIMIT OF GRADING

REV.	DATE	DESCRIPTION	BY



**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF CONSERVATION AND RECREATION
DIVISION OF PLANNING AND ENGINEERING**

MASS CENTRAL RAIL TRAIL - WAYSIDE

**MASS CENTRAL RAIL TRAIL
HUDSON, STOW, MARLBOROUGH & SUDBURY, MA**

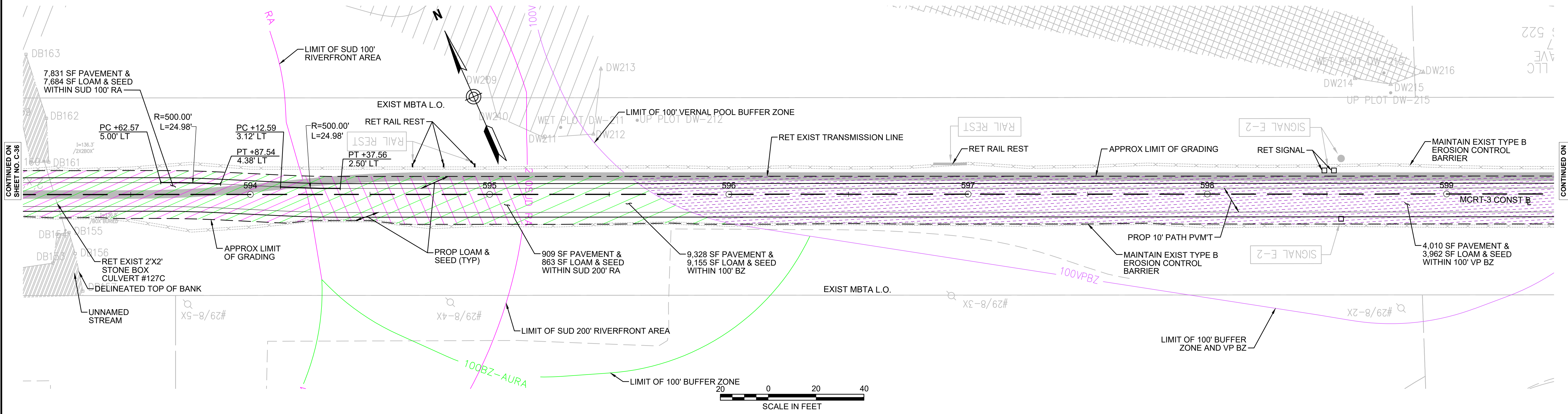
CONSTRUCTION PLANS

DESIGNER: JCR
CHECKED: SHK
DRAWN: JCR
CHECKED: TAL

CONT: P19-3295-D1A
ACC: XXXXXXXX

SCALE: 1" = 20'-0"
DATE: JAN 2021

SHEET NO. **C-36**
36 OF 46



NOTE:
1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).

ENVIRONMENTAL IMPACTS LEGEND	
HATCH	DESCRIPTION
	ISOLATED VEGETATED WETLAND
	BORDERING VEGETATED WETLAND
	LAND UNDER WATER
	VERNAL POOL
	PERMANENT DISTURBANCE TO VEGETATED WETLAND
	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)
	DISTURBANCE TO WPA 200' RIVERFRONT AREA (WPA 200' RA)
	DISTURBANCE TO SUDBURY 200' RIVERFRONT AREA (SUD 200' RA)
	DISTURBANCE TO WPA 100' RIVERFRONT AREA (WPA 100' RA)
	DISTURBANCE TO SUDBURY 100' RIVERFRONT AREA (SUD 100' RA)
	DISTURBANCE TO 100' BUFFER ZONE (100' BZ-AURA)
	DISTURBANCE TO BLSF
	EXISTING TREE LINE
	LIMIT OF GRADING

REV.	DATE	DESCRIPTION	BY

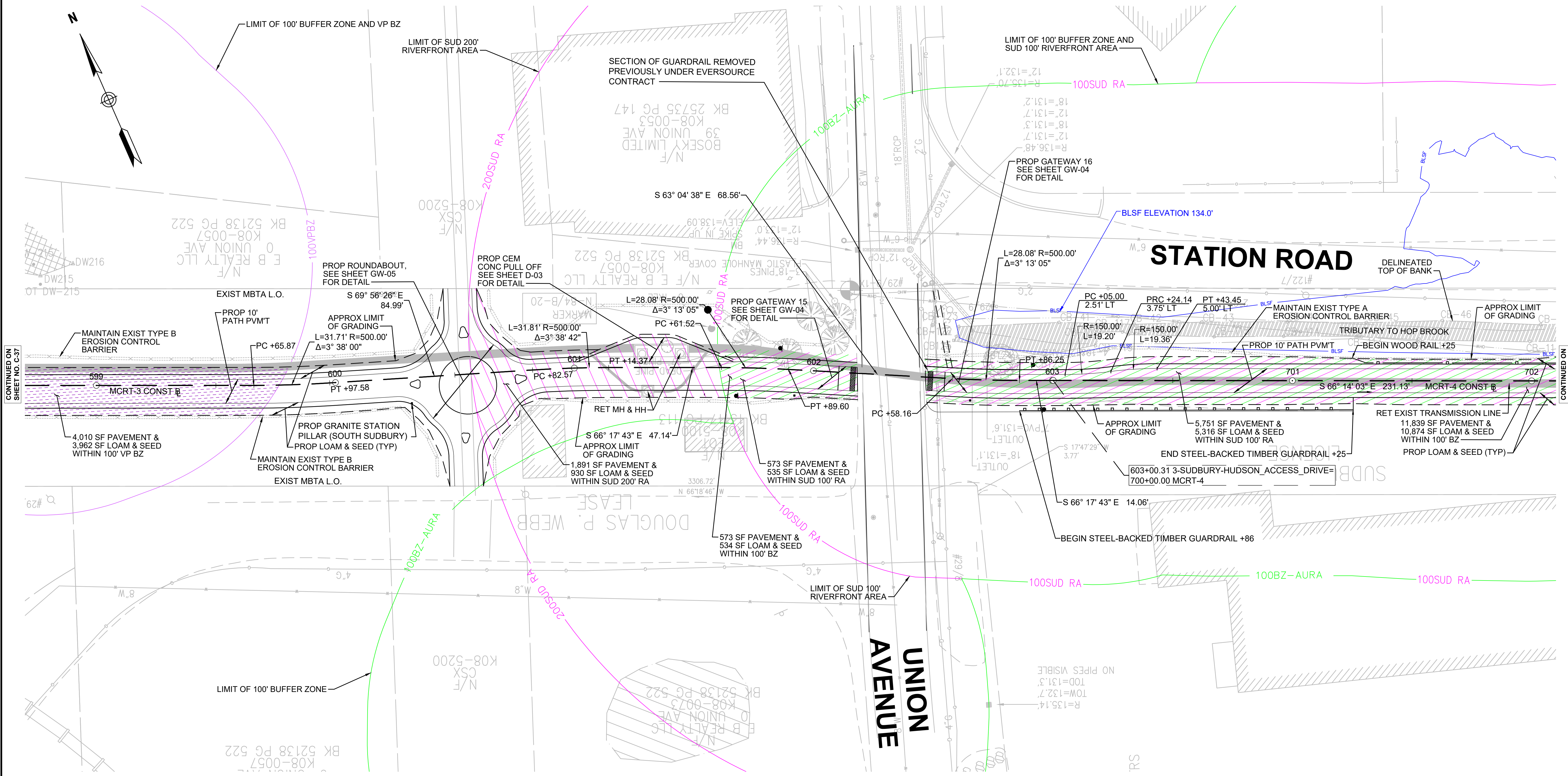


**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF CONSERVATION AND RECREATION
DIVISION OF PLANNING AND ENGINEERING**

MASS CENTRAL RAIL TRAIL - WAYSIDE

**MASS CENTRAL RAIL TRAIL
HUDSON, STOW, MARLBOROUGH & SUDBURY, MA**

DESIGNER: JCR	CONSTRUCTION PLANS	SHEET NO. C-37
CHECKED: SHK		
DRAWN: JCR	CONT: P19-3295-D1A	SCALE: 1" = 20'-0"
CHECKED: TAL	ACC: XXXXXXXX	DATE: JAN 2021
		37 OF 46



CONTINUED ON SHEET NO. C-37

CONTINUED ON SHEET NO. C-39



NOTE:
 1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).

ENVIRONMENTAL IMPACTS LEGEND		DESCRIPTION	
HATCH	DESCRIPTION	HATCH	DESCRIPTION
[Hatched Box]	ISOLATED VEGETATED WETLAND	[Hatched Box]	DISTURBANCE TO WPA 200' RIVERFRONT AREA (WPA 200' RA)
[Hatched Box]	BORDERING VEGETATED WETLAND	[Hatched Box]	DISTURBANCE TO SUDBURY 200' RIVERFRONT AREA (SUD 200' RA)
[Hatched Box]	LAND UNDER WATER	[Hatched Box]	DISTURBANCE TO WPA 100' RIVERFRONT AREA (WPA 100' RA)
[Hatched Box]	VERNAL POOL	[Hatched Box]	DISTURBANCE TO SUDBURY 100' RIVERFRONT AREA (SUD 100' RA)
[Hatched Box]	PERMANENT DISTURBANCE TO VEGETATED WETLAND	[Hatched Box]	DISTURBANCE TO 100' BUFFER ZONE (100' BZ-AURA)
[Hatched Box]	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)	[Hatched Box]	DISTURBANCE TO BLSF
		[Hatched Box]	EXISTING TREE LINE
		[Hatched Box]	LIMIT OF GRADING

REV.	DATE	DESCRIPTION	BY



**COMMONWEALTH OF MASSACHUSETTS
 DEPARTMENT OF CONSERVATION AND RECREATION
 DIVISION OF PLANNING AND ENGINEERING**

MASS CENTRAL RAIL TRAIL - WAYSIDE
 MASS CENTRAL RAIL TRAIL
 HUDSON, STOW, MARLBOROUGH & SUDBURY, MA

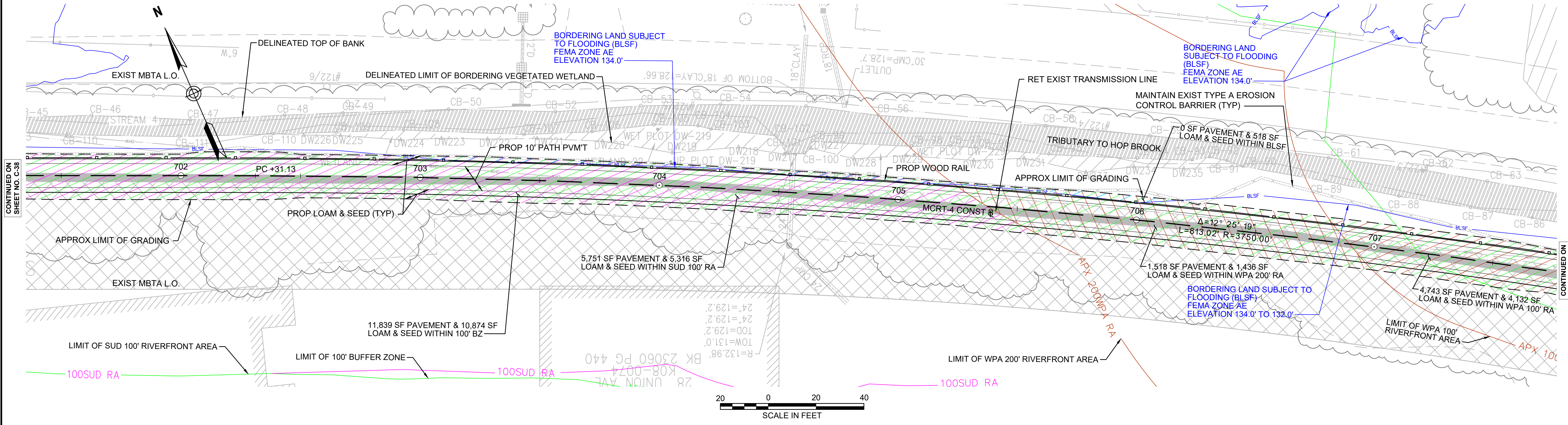
CONSTRUCTION PLANS

DESIGNER: JCR
 CHECKED: SHK
 DRAWN: JCR
 CHECKED: TAL

CONT: P19-3295-D1A
 ACC: XXXXXXXX

SCALE: 1" = 20'-0"
 DATE: JAN 2021

SHEET NO. **C-38**
 38 OF 46



CONTINUED ON SHEET NO. C-38

CONTINUED ON SHEET NO. C-40

NOTE:
 1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).

ENVIRONMENTAL IMPACTS LEGEND	
HATCH	DESCRIPTION
	ISOLATED VEGETATED WETLAND
	BORDERING VEGETATED WETLAND
	LAND UNDER WATER
	VERNAL POOL
	PERMANENT DISTURBANCE TO VEGETATED WETLAND
	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)
	DISTURBANCE TO WPA 200' RIVERFRONT AREA (WPA 200' RA)
	DISTURBANCE TO SUDBURY 200' RIVERFRONT AREA (SUD 200' RA)
	DISTURBANCE TO WPA 100' RIVERFRONT AREA (WPA 100' RA)
	DISTURBANCE TO SUDBURY 100' RIVERFRONT AREA (SUD 100' RA)
	DISTURBANCE TO 100' BUFFER ZONE (100' BZ-AURA)
	DISTURBANCE TO BLSF
	EXISTING TREE LINE
	LIMIT OF GRADING

REV.	DATE	DESCRIPTION	BY



**COMMONWEALTH OF MASSACHUSETTS
 DEPARTMENT OF CONSERVATION AND RECREATION
 DIVISION OF PLANNING AND ENGINEERING**

MASS CENTRAL RAIL TRAIL - WAYSIDE

**MASS CENTRAL RAIL TRAIL
 HUDSON, STOW, MARLBOROUGH & SUDBURY, MA**

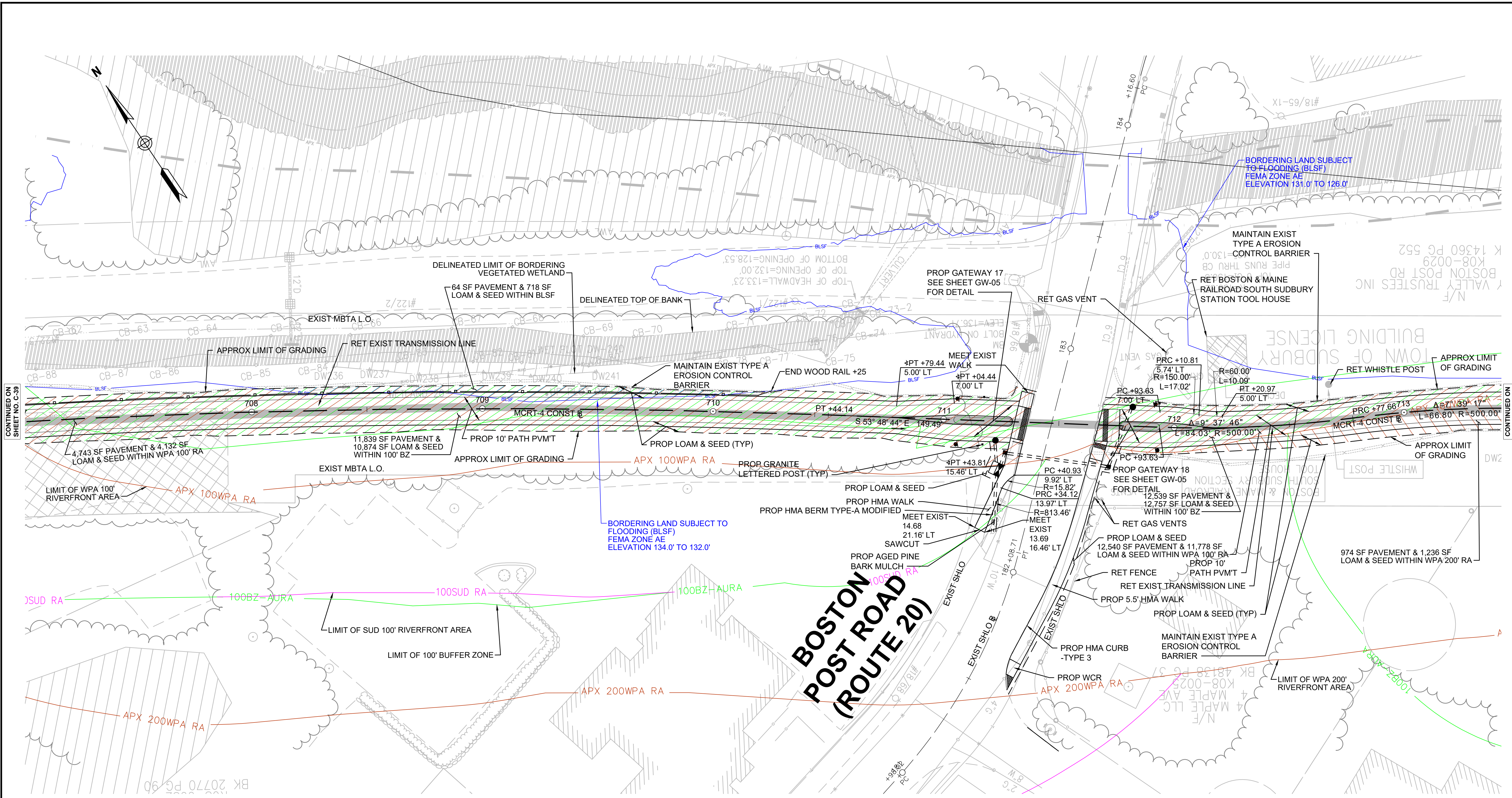
CONSTRUCTION PLANS

DESIGNER: JCR
 CHECKED: SHK
 DRAWN: JCR
 CHECKED: TAL

CONT: P19-3295-D1A
 ACC: XXXXXXXX

SCALE: 1" = 20'-0"
 DATE: JAN 2021

SHEET NO. **C-39**
 39 OF 46



NOTE:
 1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).

ENVIRONMENTAL IMPACTS LEGEND	
HATCH	DESCRIPTION
	ISOLATED VEGETATED WETLAND
	BORDERING VEGETATED WETLAND
	LAND UNDER WATER
	VERNAL POOL
	PERMANENT DISTURBANCE TO VEGETATED WETLAND
	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)
	DISTURBANCE TO WPA 200' RIVERFRONT AREA (WPA 200' RA)
	DISTURBANCE TO SUDBURY 200' RIVERFRONT AREA (SUD 200' RA)
	DISTURBANCE TO WPA 100' RIVERFRONT AREA (WPA 100' RA)
	DISTURBANCE TO SUDBURY 100' RIVERFRONT AREA (SUD 100' RA)
	DISTURBANCE TO 100' BUFFER ZONE (100' BZ-AURA)
	DISTURBANCE TO BLSF
	EXISTING TREE LINE
	LIMIT OF GRADING

REV.	DATE	DESCRIPTION	BY

vhb
 Transportation Land Development
 Environmental Services
 101 Walnut St., P.O. Box 9151
 Watertown, MA 02472
 617 924 1770 FAX 617 924 2286

**COMMONWEALTH OF MASSACHUSETTS
 DEPARTMENT OF CONSERVATION AND RECREATION
 DIVISION OF PLANNING AND ENGINEERING**

MASS CENTRAL RAIL TRAIL - WAYSIDE

**MASS CENTRAL RAIL TRAIL
 HUDSON, STOW, MARLBOROUGH & SUDBURY, MA**

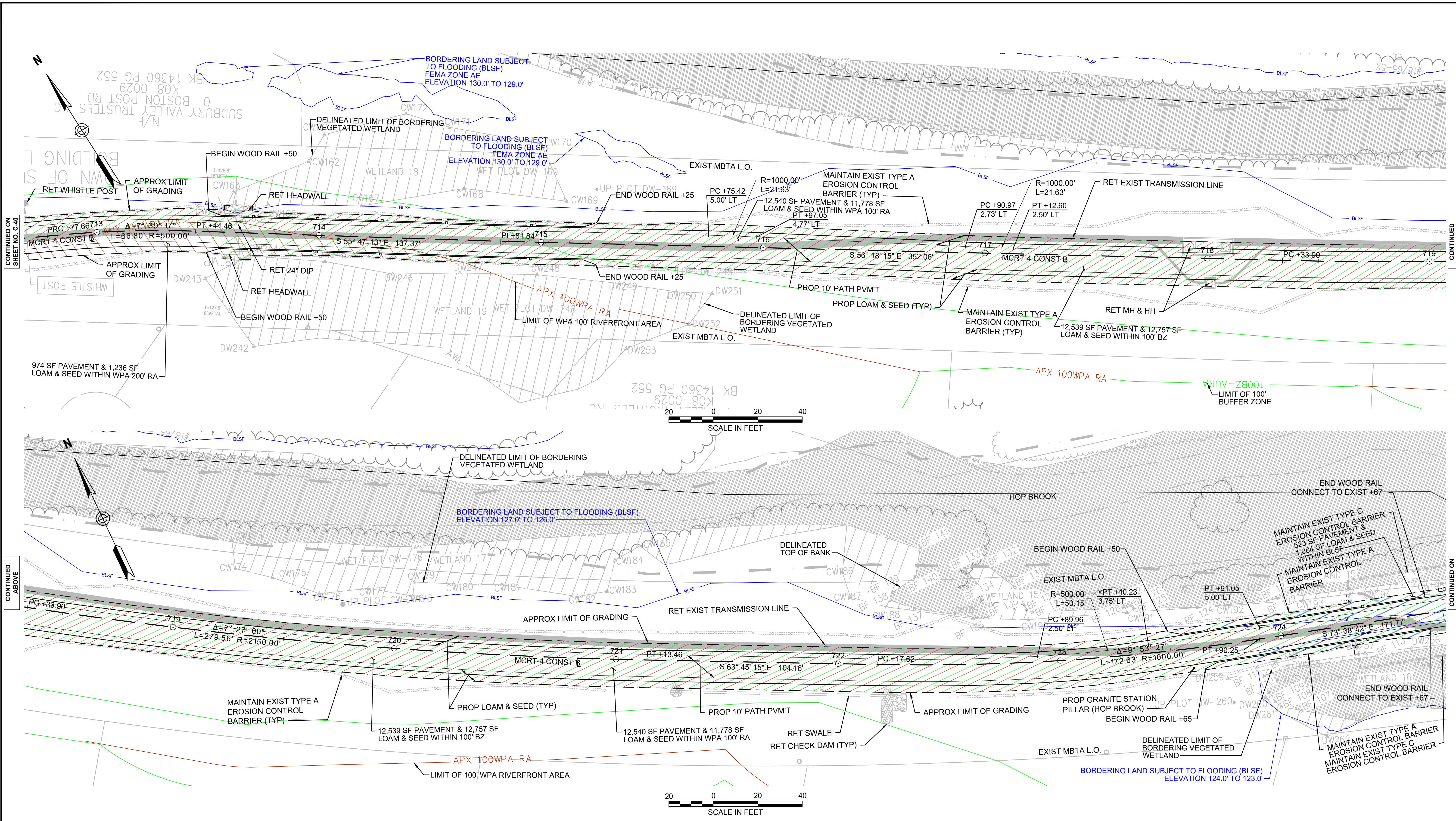
CONSTRUCTION PLANS

DESIGNER: JCR
 CHECKED: SHK
 DRAWN: JCR
 CHECKED: TAL

CONT: P19-3295-D1A
 ACC: XXXXXXXX

SCALE: 1" = 20'-0"
 DATE: JAN 2021

SHEET NO.
C-40
 40 OF 46



NOTE:
 1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).

ENVIRONMENTAL IMPACTS LEGEND		DESCRIPTION	
HATCH	DESCRIPTION	HATCH	DESCRIPTION
[Hatched Box]	ISOLATED VEGETATED WETLAND	[Hatched Box]	DISTURBANCE TO WPA 200' RIVERFRONT AREA (WPA 200' RA)
[Hatched Box]	BORDERING VEGETATED WETLAND	[Hatched Box]	DISTURBANCE TO SUDBURY 200' RIVERFRONT AREA (SUD 200' RA)
[Hatched Box]	LAND UNDER WATER	[Hatched Box]	DISTURBANCE TO WPA 100' RIVERFRONT AREA (WPA 100' RA)
[Hatched Box]	VERNAL POOL	[Hatched Box]	DISTURBANCE TO SUDBURY 100' RIVERFRONT AREA (SUD 100' RA)
[Hatched Box]	PERMANENT DISTURBANCE TO VEGETATED WETLAND	[Hatched Box]	DISTURBANCE TO 100' BUFFER ZONE (100' BZ-AURA)
[Hatched Box]	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)	[Hatched Box]	DISTURBANCE TO BLSF
		[Hatched Box]	EXISTING TREE LINE
		[Hatched Box]	LIMIT OF GRADING

REV.	DATE	DESCRIPTION	BY



**COMMONWEALTH OF MASSACHUSETTS
 DEPARTMENT OF CONSERVATION AND RECREATION
 DIVISION OF PLANNING AND ENGINEERING**

MASS CENTRAL RAIL TRAIL - WAYSIDE

**MASS CENTRAL RAIL TRAIL
 HUDSON, STOW, MARLBOROUGH & SUDBURY, MA**

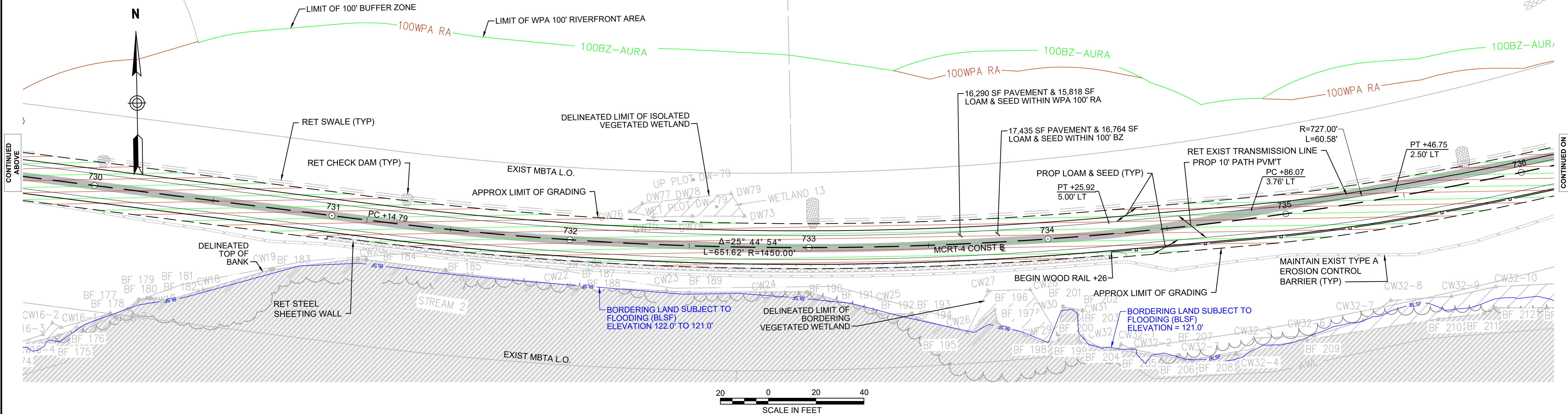
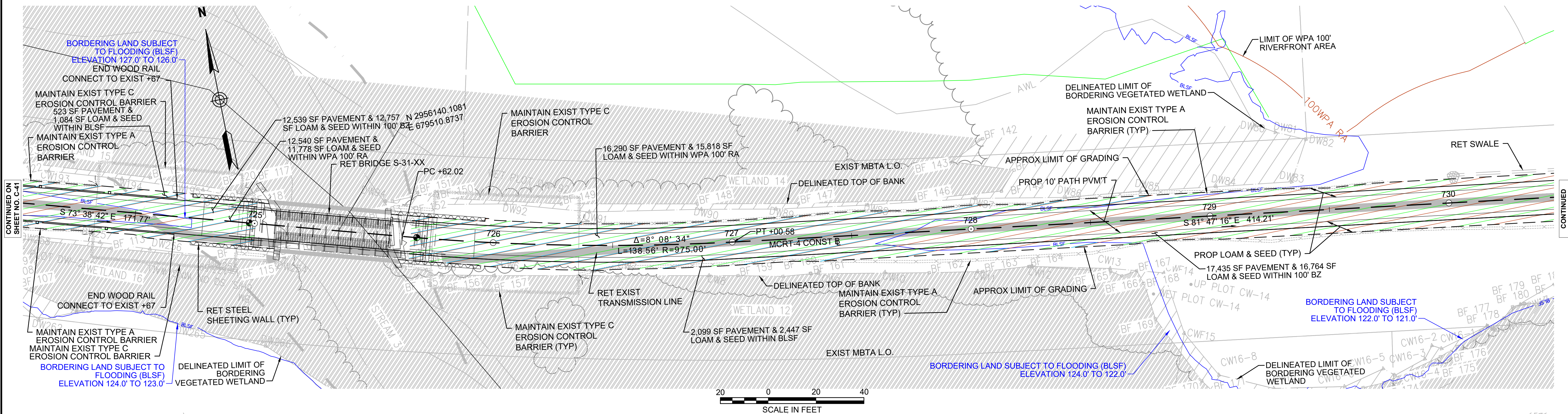
CONSTRUCTION PLANS

DESIGNER: JCR
 CHECKED: SHK
 DRAWN: JCR
 CHECKED: TAL

CONT: P19-3295-D1A
 ACC: XXXXXXXX

SCALE: 1" = 20'-0"
 DATE: JAN 2021

SHEET NO. **C-41**
 41 OF 46



NOTE:
 1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).

ENVIRONMENTAL IMPACTS LEGEND		DESCRIPTION	
HATCH	DESCRIPTION	HATCH	DESCRIPTION
[Hatch]	ISOLATED VEGETATED WETLAND	[Hatch]	DISTURBANCE TO WPA 200' RIVERFRONT AREA (WPA 200' RA)
[Hatch]	BORDERING VEGETATED WETLAND	[Hatch]	DISTURBANCE TO SUDBURY 200' RIVERFRONT AREA (SUD 200' RA)
[Hatch]	LAND UNDER WATER	[Hatch]	DISTURBANCE TO WPA 100' RIVERFRONT AREA (WPA 100' RA)
[Hatch]	VERNAL POOL	[Hatch]	DISTURBANCE TO SUDBURY 100' RIVERFRONT AREA (SUD 100' RA)
[Hatch]	PERMANENT DISTURBANCE TO VEGETATED WETLAND	[Hatch]	DISTURBANCE TO 100' BUFFER ZONE (100' BZ-AURA)
[Hatch]	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)	[Hatch]	DISTURBANCE TO BLSF
		[Hatch]	EXISTING TREE LINE
		[Hatch]	LIMIT OF GRADING

REV.	DATE	DESCRIPTION	BY



**COMMONWEALTH OF MASSACHUSETTS
 DEPARTMENT OF CONSERVATION AND RECREATION
 DIVISION OF PLANNING AND ENGINEERING**

MASS CENTRAL RAIL TRAIL - WAYSIDE

**MASS CENTRAL RAIL TRAIL
 HUDSON, STOW, MARLBOROUGH & SUDBURY, MA**

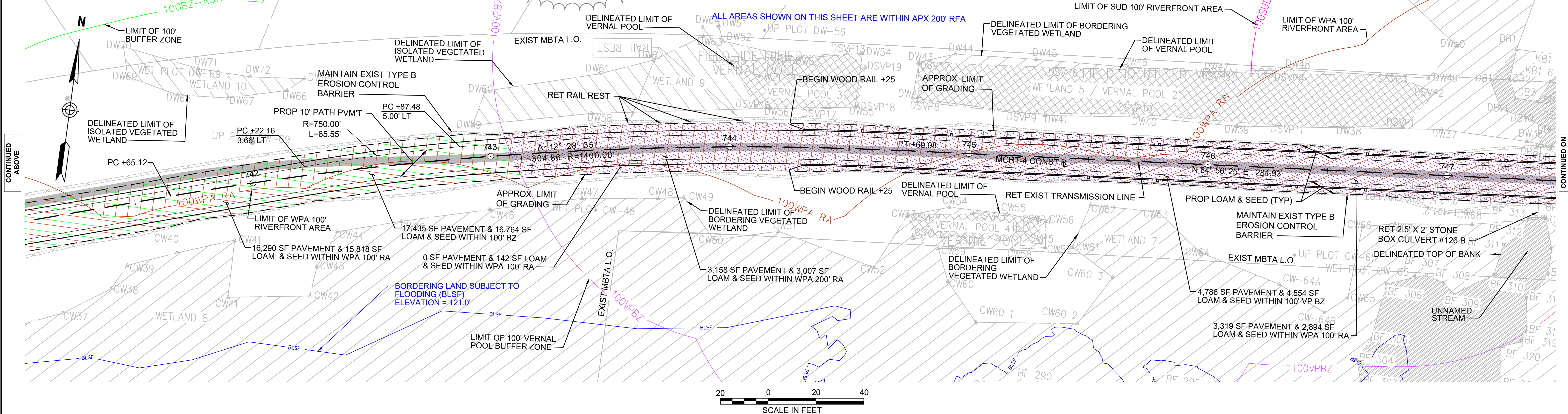
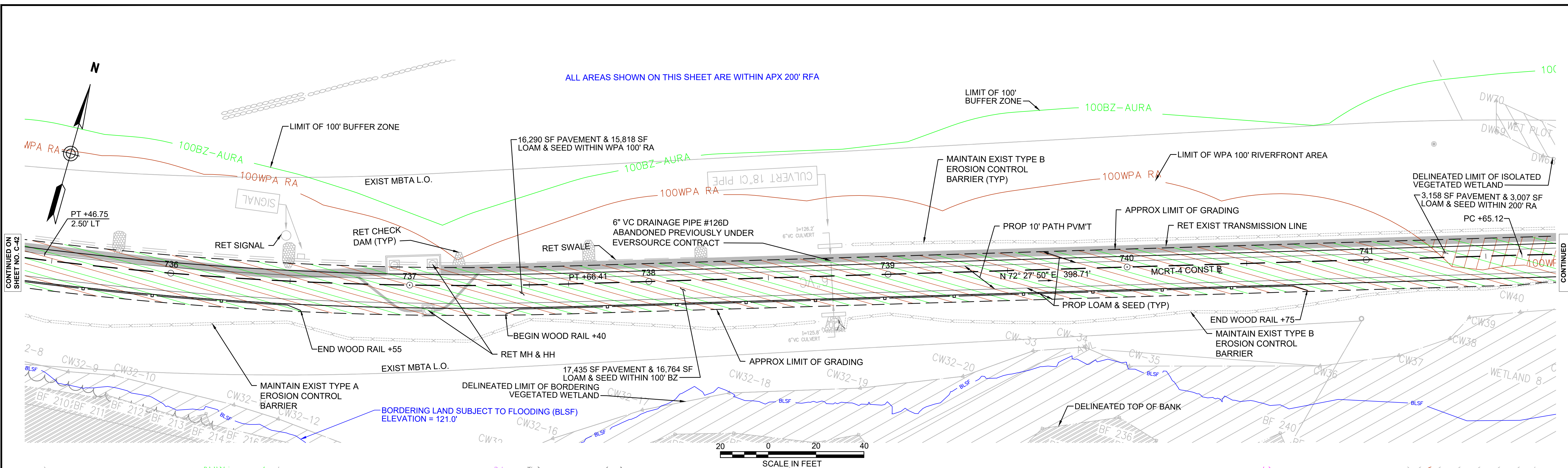
CONSTRUCTION PLANS

DESIGNER: JCR
 CHECKED: SHK
 DRAWN: JCR
 CHECKED: TAL

CONT: P19-3295-D1A
 ACC: XXXXXXXX

SCALE: 1" = 20'-0"
 DATE: JAN 2021

SHEET NO. C-42
 42 OF 46



NOTE:
1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).

ENVIRONMENTAL IMPACTS LEGEND	
HATCH	DESCRIPTION
	ISOLATED VEGETATED WETLAND
	BORDERING VEGETATED WETLAND
	LAND UNDER WATER
	VERNAL POOL
	PERMANENT DISTURBANCE TO VEGETATED WETLAND
	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)
	DISTURBANCE TO WPA 200' RIVERFRONT AREA (WPA 200' RA)
	DISTURBANCE TO SUDBURY 200' RIVERFRONT AREA (SUD 200' RA)
	DISTURBANCE TO WPA 100' RIVERFRONT AREA (WPA 100' RA)
	DISTURBANCE TO SUDBURY 100' RIVERFRONT AREA (SUD 100' RA)
	DISTURBANCE TO 100' BUFFER ZONE (100' BZ-AURA)
	DISTURBANCE TO BLSF
	EXISTING TREE LINE
	LIMIT OF GRADING

REV.	DATE	DESCRIPTION	BY



**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF CONSERVATION AND RECREATION
DIVISION OF PLANNING AND ENGINEERING**

MASS CENTRAL RAIL TRAIL - WAYSIDE

**MASS CENTRAL RAIL TRAIL
HUDSON, STOW, MARLBOROUGH & SUDBURY, MA**

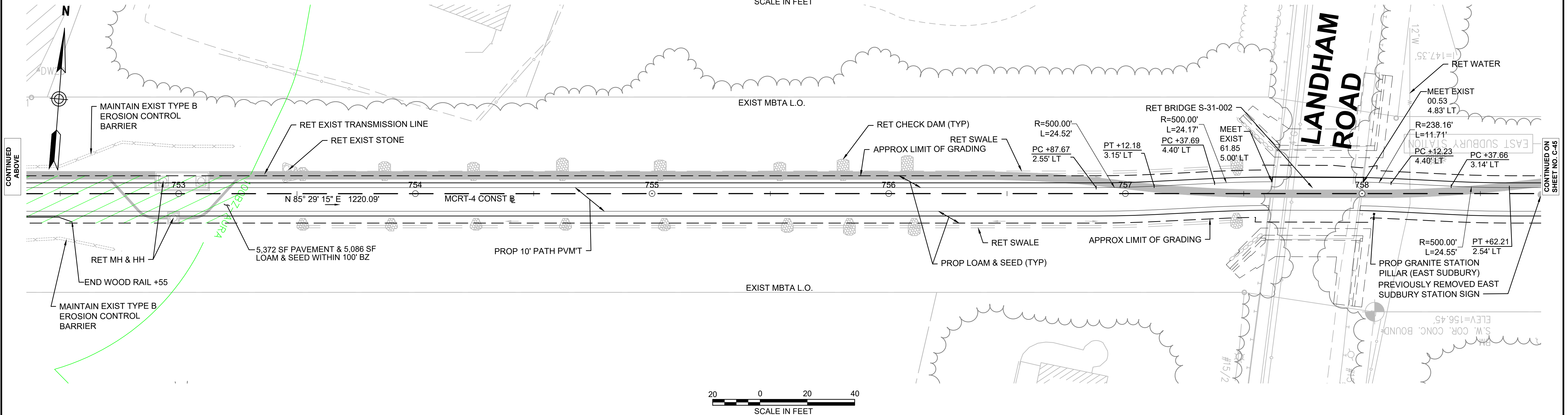
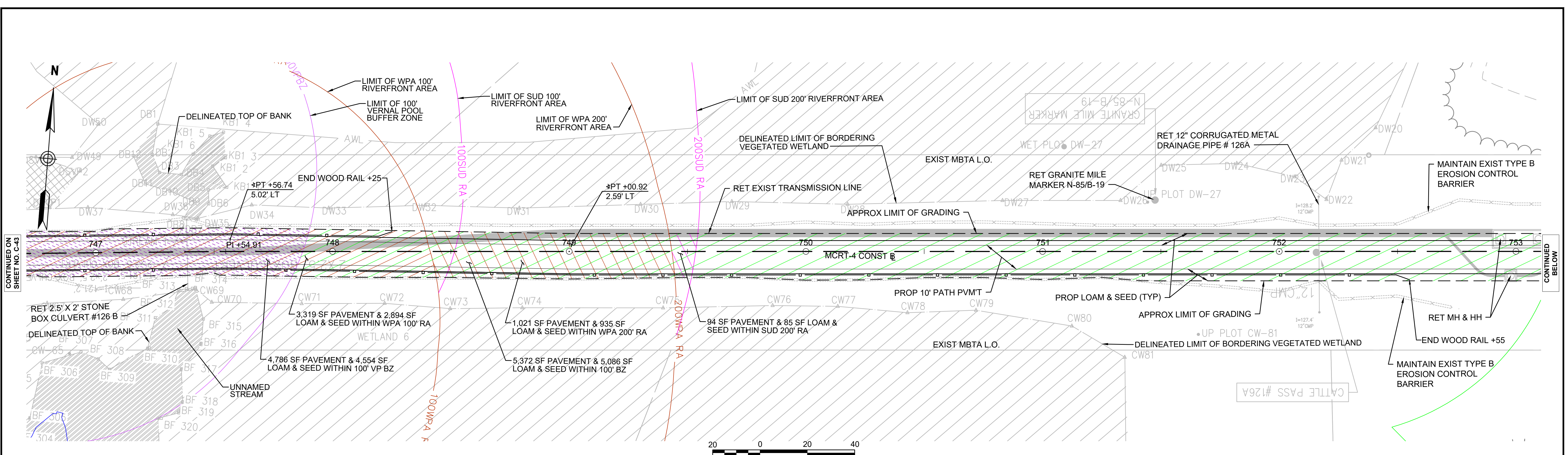
CONSTRUCTION PLANS

DESIGNER: JCR
CHECKED: SHK
DRAWN: JCR
CHECKED: TAL

CONT: P19-3295-D1A
ACC: XXXXXXXX

SCALE: 1" = 20'-0"
DATE: JAN 2021

SHEET NO. **C-43**
43 OF 46



NOTE:
1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).

ENVIRONMENTAL IMPACTS LEGEND	
HATCH	DESCRIPTION
	ISOLATED VEGETATED WETLAND
	BORDERING VEGETATED WETLAND
	LAND UNDER WATER
	VERNAL POOL
	PERMANENT DISTURBANCE TO VEGETATED WETLAND
	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)
	DISTURBANCE TO WPA 200' RIVERFRONT AREA (WPA 200' RA)
	DISTURBANCE TO SUDBURY 200' RIVERFRONT AREA (SUD 200' RA)
	DISTURBANCE TO WPA 100' RIVERFRONT AREA (WPA 100' RA)
	DISTURBANCE TO SUDBURY 100' RIVERFRONT AREA (SUD 100' RA)
	DISTURBANCE TO 100' BUFFER ZONE (100' BZ-AURA)
	DISTURBANCE TO BLSF
	EXISTING TREE LINE
	LIMIT OF GRADING

REV.	DATE	DESCRIPTION	BY

Transportation Land Development
 Environmental Services
 101 Walnut St., P.O. Box 9151
 Watertown, MA 02472
 617 924 1770 FAX 617 924 2286

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF CONSERVATION AND RECREATION
DIVISION OF PLANNING AND ENGINEERING

MASS CENTRAL RAIL TRAIL - WAYSIDE
MASS CENTRAL RAIL TRAIL
HUDSON, STOW, MARLBOROUGH & SUDBURY, MA

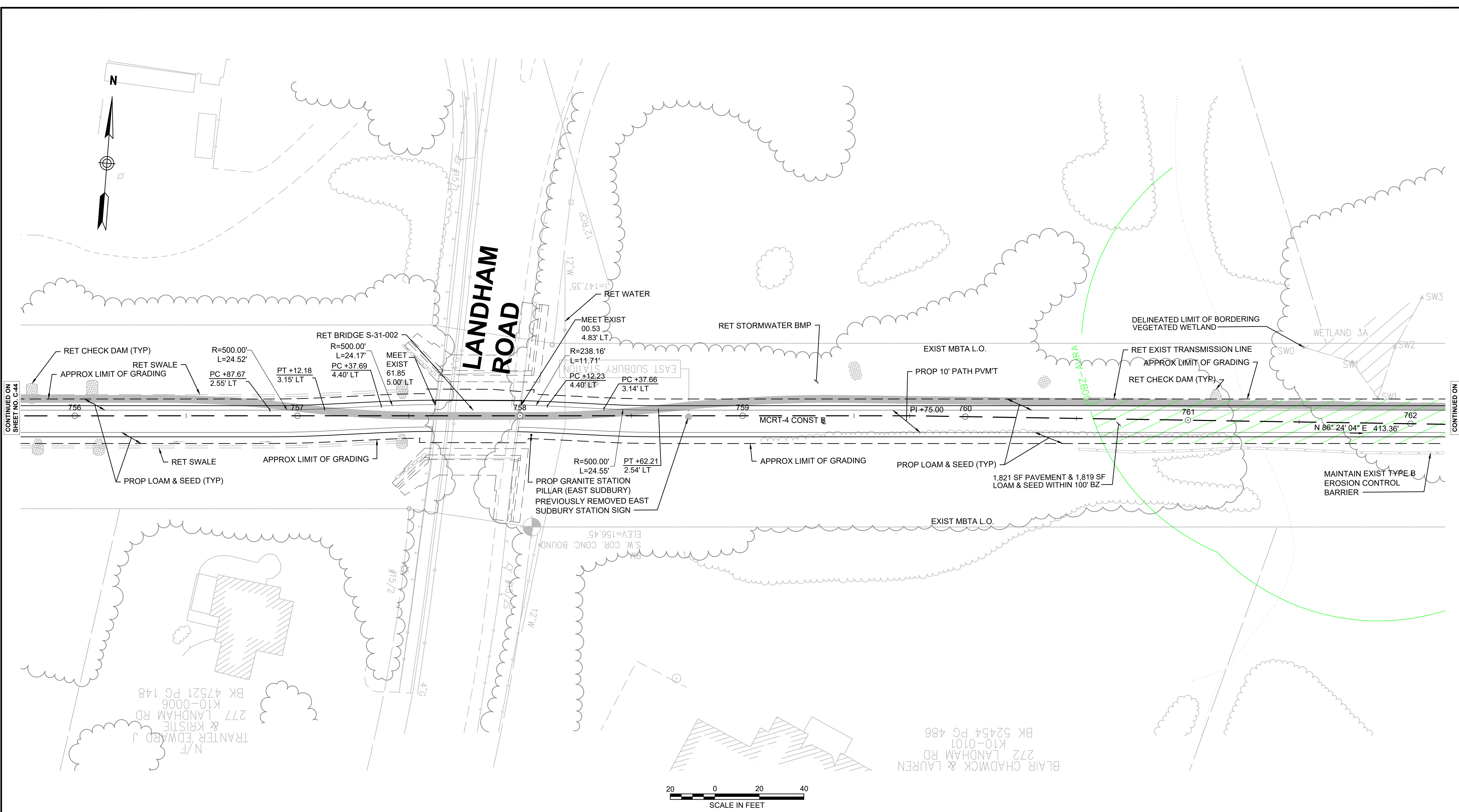
CONSTRUCTION PLANS

DESIGNER: JCR
 CHECKED: SHK
 DRAWN: JCR
 CHECKED: TAL

CONT: P19-3295-D1A
 ACC: XXXXXXXX

SCALE: 1" = 20'-0"
 DATE: JAN 2021

SHEET NO. **C-44**
 44 OF 46



CONTINUED ON SHEET NO. C-44

CONTINUED ON SHEET NO. C-46

N/F
 TRANTER EDWARD J
 & KRISTIE
 277 LANDHAM RD
 K10-0006
 BK 47521 PG 148

BLAIR CHADWICK & LAUREN
 K10-0101
 BK 52454 PG 486



NOTE:
 1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).

ENVIRONMENTAL IMPACTS LEGEND		DESCRIPTION	
HATCH	DESCRIPTION	HATCH	DESCRIPTION
[Hatched Pattern]	ISOLATED VEGETATED WETLAND	[Hatched Pattern]	DISTURBANCE TO WPA 200' RIVERFRONT AREA (WPA 200' RA)
[Hatched Pattern]	BORDERING VEGETATED WETLAND	[Hatched Pattern]	DISTURBANCE TO SUDBURY 200' RIVERFRONT AREA (SUD 200' RA)
[Hatched Pattern]	LAND UNDER WATER	[Hatched Pattern]	DISTURBANCE TO WPA 100' RIVERFRONT AREA (WPA 100' RA)
[Hatched Pattern]	VERNAL POOL	[Hatched Pattern]	DISTURBANCE TO SUDBURY 100' RIVERFRONT AREA (SUD 100' RA)
[Hatched Pattern]	PERMANENT DISTURBANCE TO VEGETATED WETLAND	[Hatched Pattern]	DISTURBANCE TO 100' BUFFER ZONE (100' BZ-AURA)
[Hatched Pattern]	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)	[Hatched Pattern]	DISTURBANCE TO BLSF
[Hatched Pattern]		[Hatched Pattern]	EXISTING TREE LINE
[Hatched Pattern]		[Hatched Pattern]	LIMIT OF GRADING

REV.	DATE	DESCRIPTION	BY

vhb
 Transportation Land Development
 Environmental Services
 101 Walnut St., P.O. Box 9151
 Watertown, MA 02472
 617 924 1770 FAX 617 924 2286

**COMMONWEALTH OF MASSACHUSETTS
 DEPARTMENT OF CONSERVATION AND RECREATION
 DIVISION OF PLANNING AND ENGINEERING**

MASS CENTRAL RAIL TRAIL - WAYSIDE

**MASS CENTRAL RAIL TRAIL
 HUDSON, STOW, MARLBOROUGH & SUDBURY, MA**

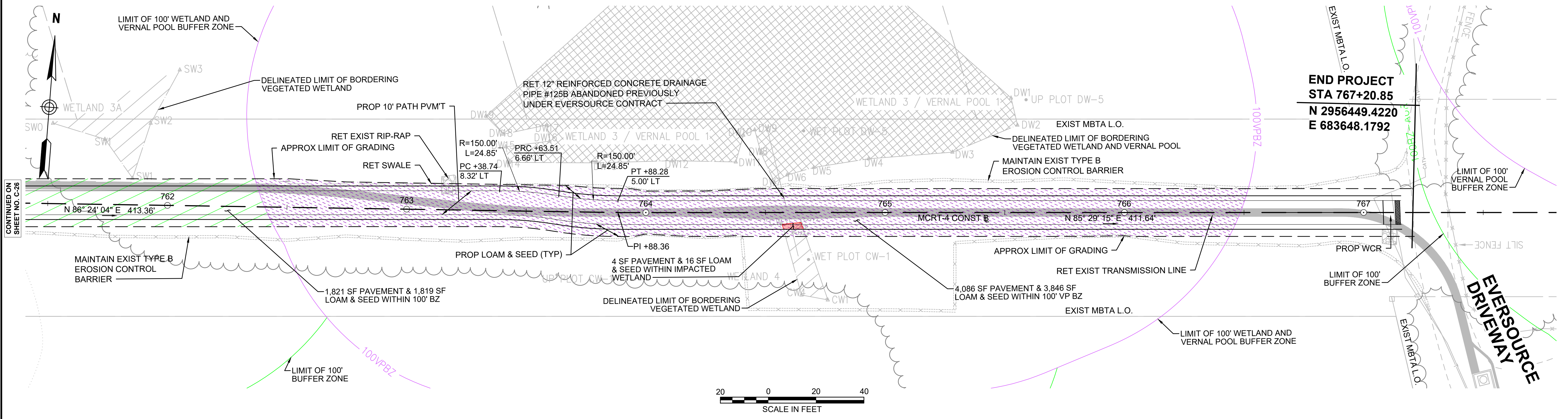
CONSTRUCTION PLANS

DESIGNER: JCR
 CHECKED: SHK
 DRAWN: JCR
 CHECKED: TAL

CONT: P19-3295-D1A
 ACC: XXXXXXXX

SCALE: 1" = 20'-0"
 DATE: JAN 2021

SHEET NO. **C-45**
 45 OF 46



CONTINUED ON SHEET NO. C-28

14424_HD(CONST-4)DWG Plotted on 7-Jan-2021 10:21 AM

NOTE:
 1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).

ENVIRONMENTAL IMPACTS LEGEND	
HATCH	DESCRIPTION
	ISOLATED VEGETATED WETLAND
	BORDERING VEGETATED WETLAND
	LAND UNDER WATER
	VERNAL POOL
	PERMANENT DISTURBANCE TO VEGETATED WETLAND
	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)
	DISTURBANCE TO WPA 200' RIVERFRONT AREA (WPA 200' RA)
	DISTURBANCE TO SUDBURY 200' RIVERFRONT AREA (SUD 200' RA)
	DISTURBANCE TO WPA 100' RIVERFRONT AREA (WPA 100' RA)
	DISTURBANCE TO SUDBURY 100' RIVERFRONT AREA (SUD 100' RA)
	DISTURBANCE TO 100' BUFFER ZONE (100' BZ-AURA)
	DISTURBANCE TO BLSF
	EXISTING TREE LINE
	LIMIT OF GRADING

REV.	DATE	DESCRIPTION	BY

Transportation Land Development
 Environmental Services
 101 Walnut St., P.O. Box 9151
 Watertown, MA 02472
 617 924 1770 FAX 617 924 2286

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF CONSERVATION AND RECREATION
DIVISION OF PLANNING AND ENGINEERING

MASS CENTRAL RAIL TRAIL - WAYSIDE
 MASS CENTRAL RAIL TRAIL
 HUDSON, STOW, MARLBOROUGH & SUDBURY, MA

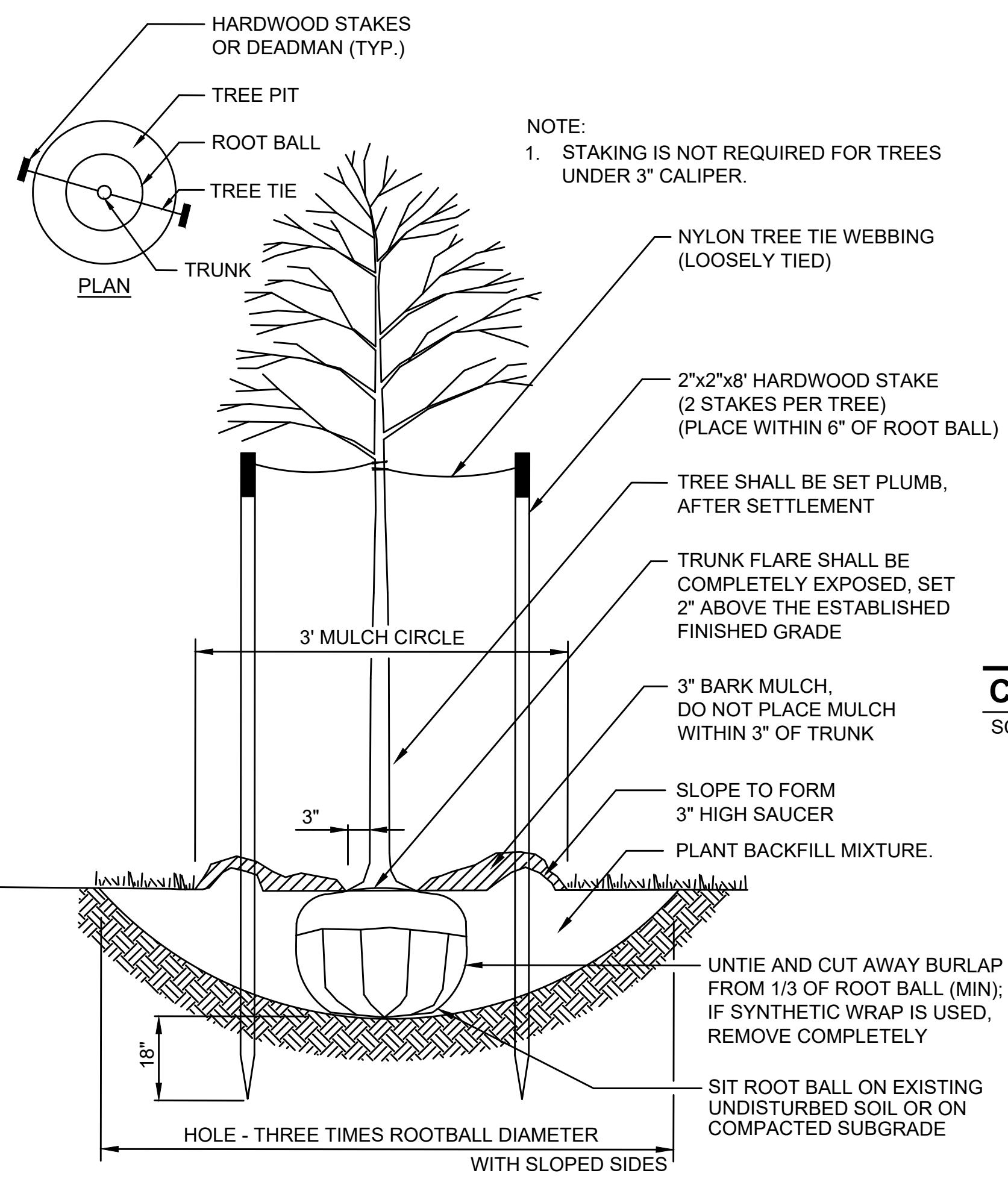
CONSTRUCTION PLANS

DESIGNER: JCR
 CHECKED: SHK
 DRAWN: JCR
 CHECKED: TAL

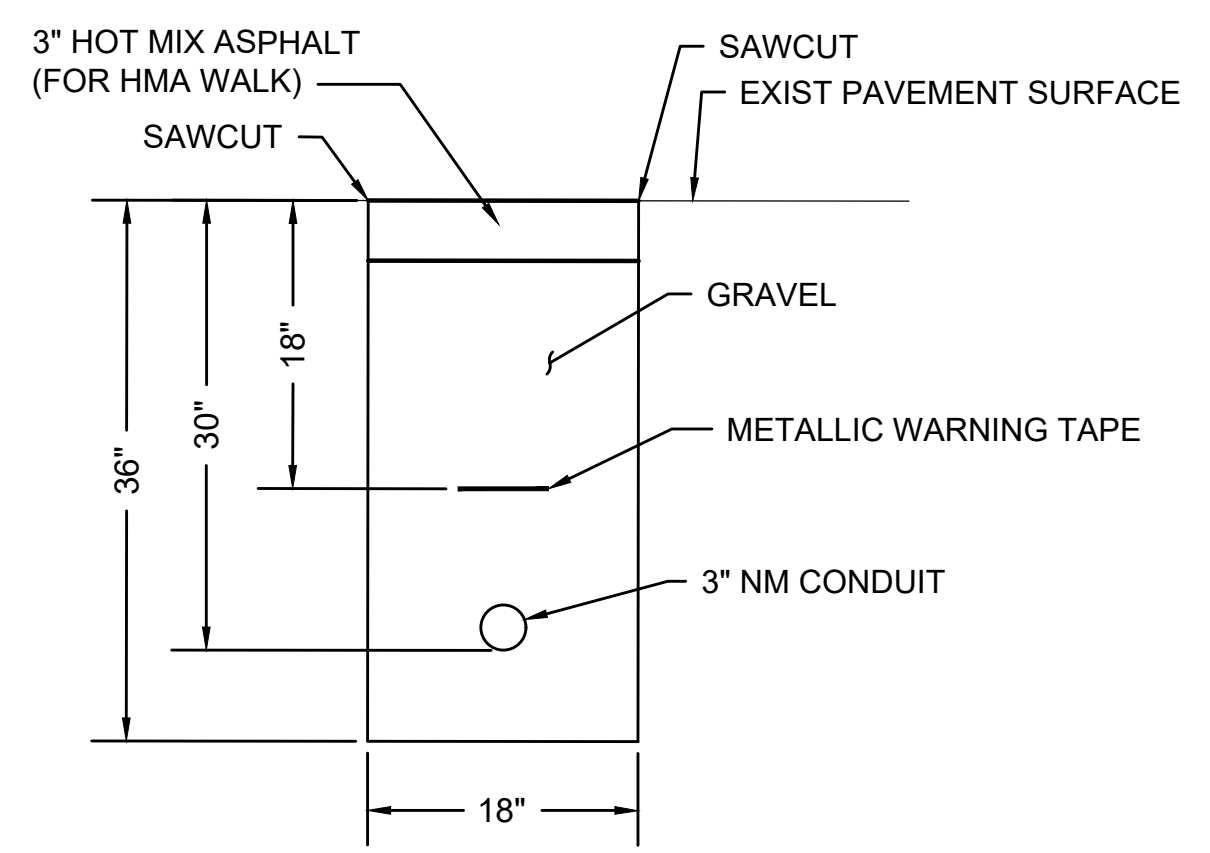
CONT: P19-3295-D1A
 ACC: XXXXXXXX

SCALE: 1" = 20'-0"
 DATE: JAN 2021

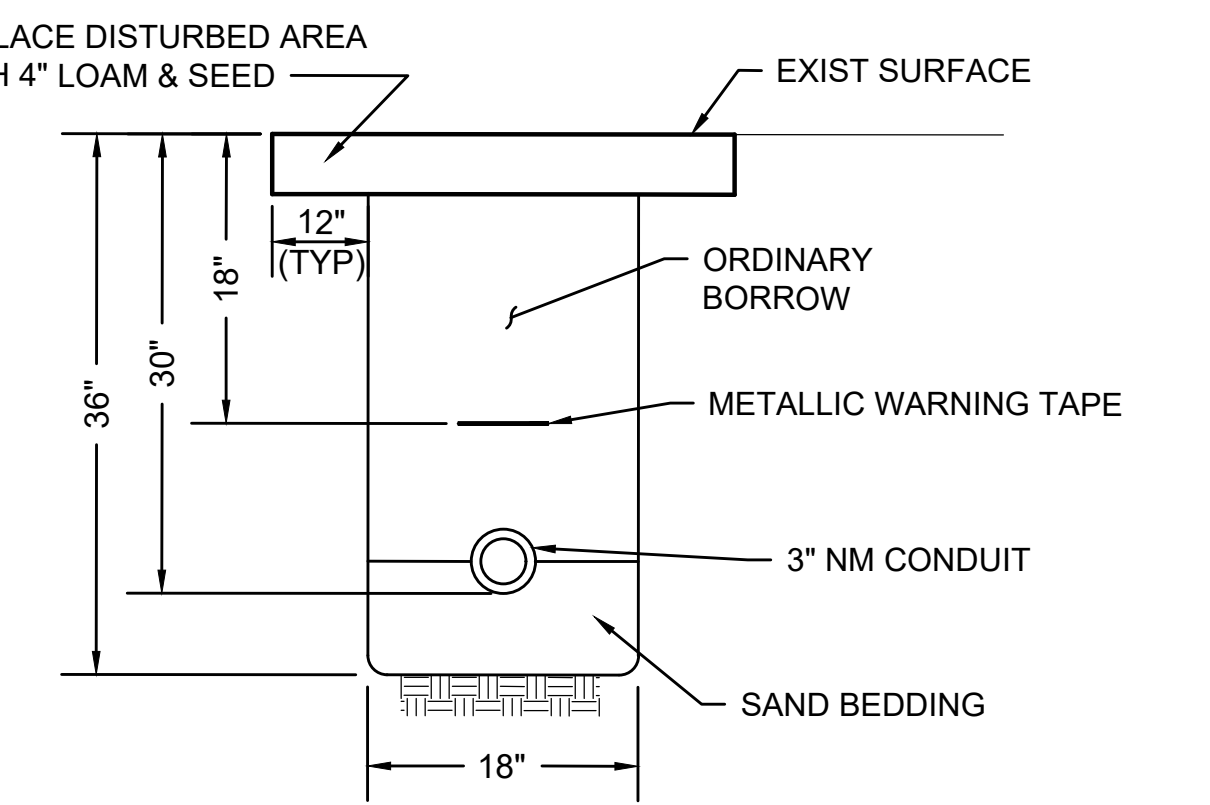
SHEET NO. C-46
 46 OF 46



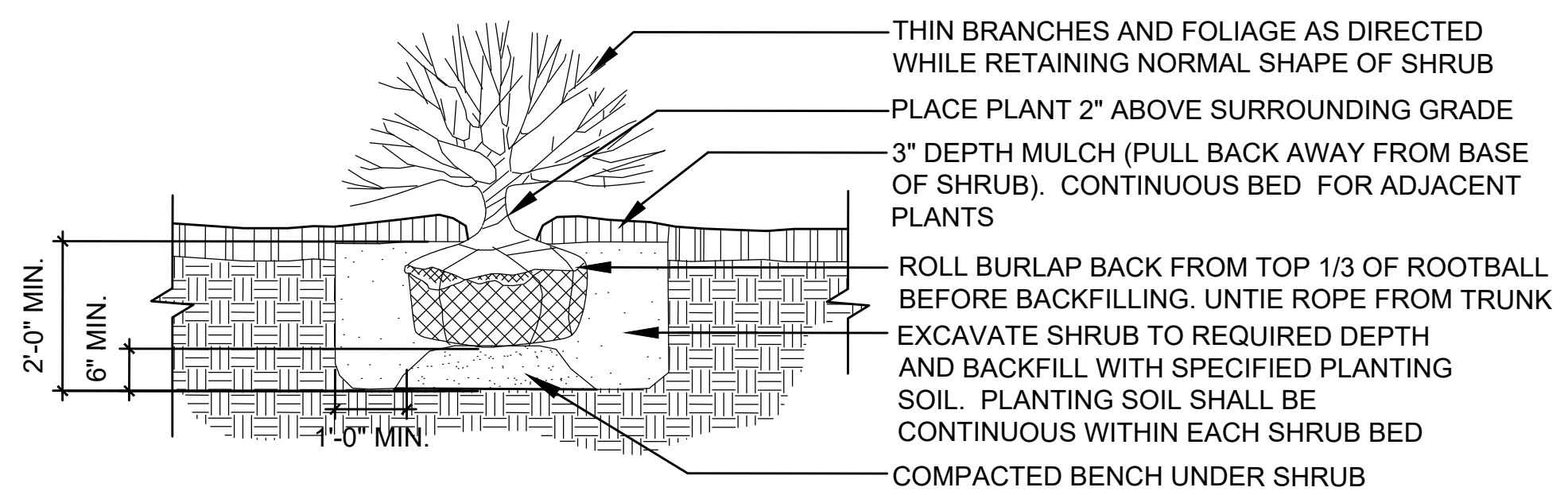
TREE PLANTING
SCALE: N.T.S.



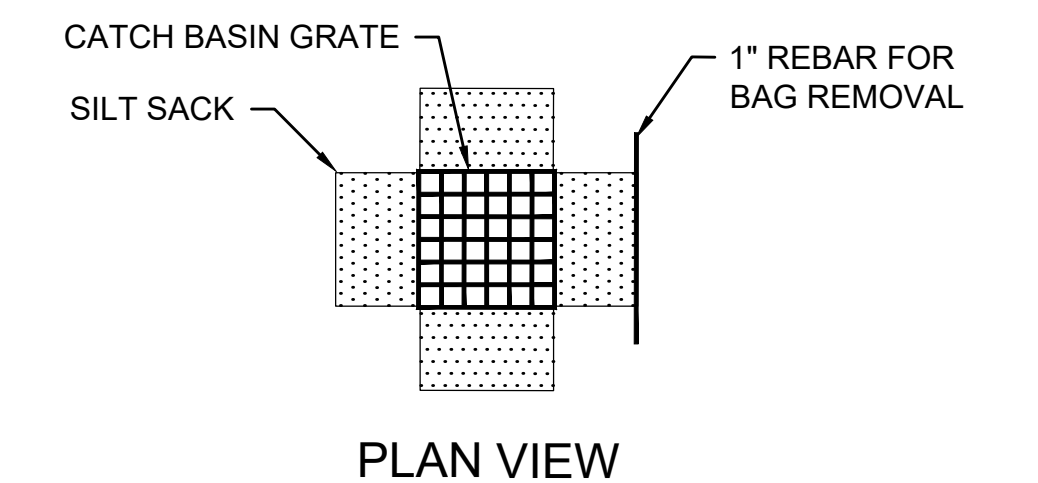
CONDUIT IN SIDEWALK
SCALE: N.T.S.



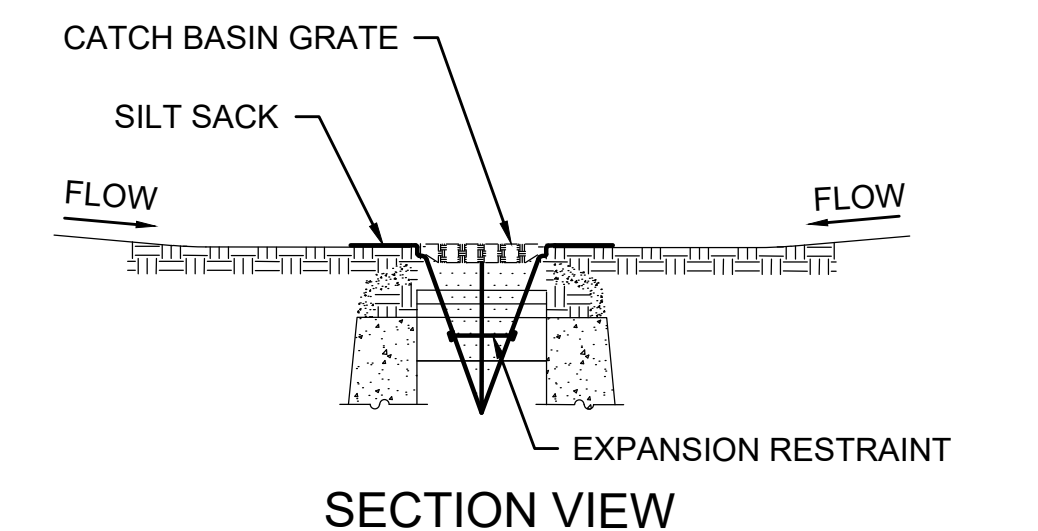
CONDUIT IN GRASS
SCALE: N.T.S.



SHRUB PLANTING
SCALE: N.T.S.



PLAN VIEW



SECTION VIEW

- NOTES:**
1. INSTALL SILT SACK IN EXISTING CATCH BASINS, BEFORE COMMENCING WORK, AND IN NEW CATCH BASINS IMMEDIATELY AFTER INSTALLATION OF STRUCTURE. MAINTAIN UNTIL SURFACE COURSE PAVING IS COMPLETE OR A PERMANENT STAND OF GRASS HAS BEEN ESTABLISHED.
 2. GRATE TO BE PLACED OVER SILT SACK.
 3. SILT SACK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND CLEANING OR REPLACEMENT SHALL BE PERFORMED

INLET PROTECTION - SILT SACK IN CATCH BASIN
SCALE: N.T.S.

REV.	DATE	DESCRIPTION	BY



**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF CONSERVATION AND RECREATION
DIVISION OF PLANNING AND ENGINEERING**

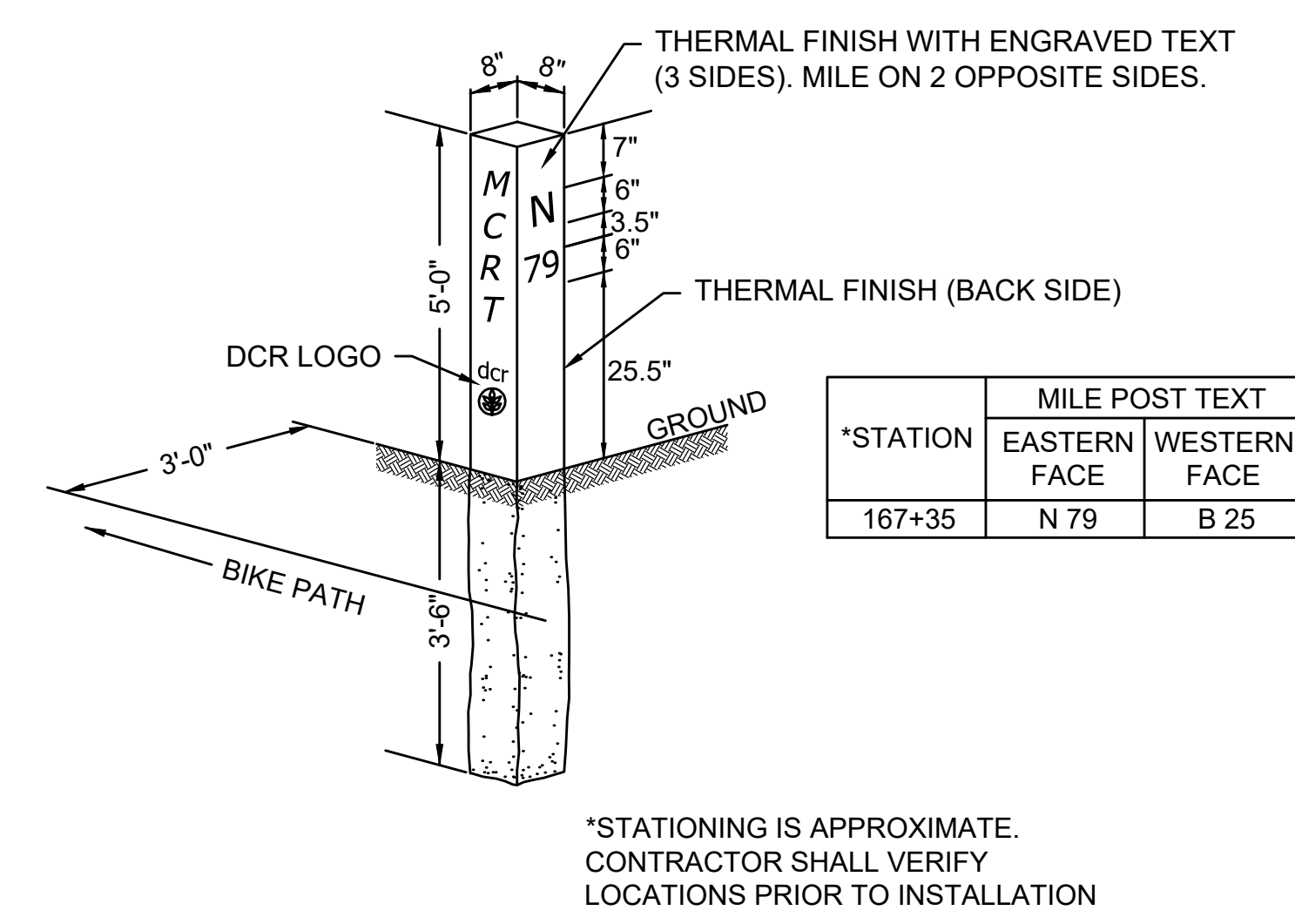
MASS CENTRAL RAIL TRAIL - WAYSIDE

**MASS CENTRAL RAIL TRAIL
HUDSON, STOW, MARLBOROUGH & SUDBURY, MA**

DESIGNER: JCR	CONSTRUCTION DETAILS	SHEET NO. D-02
CHECKED: SHK		
DRAWN: JCR	CONT: P19-3295-D1A	SCALE: 1" = 20'-0"
CHECKED: TAL	ACC: XXXXXXXX	DATE: JAN 2021

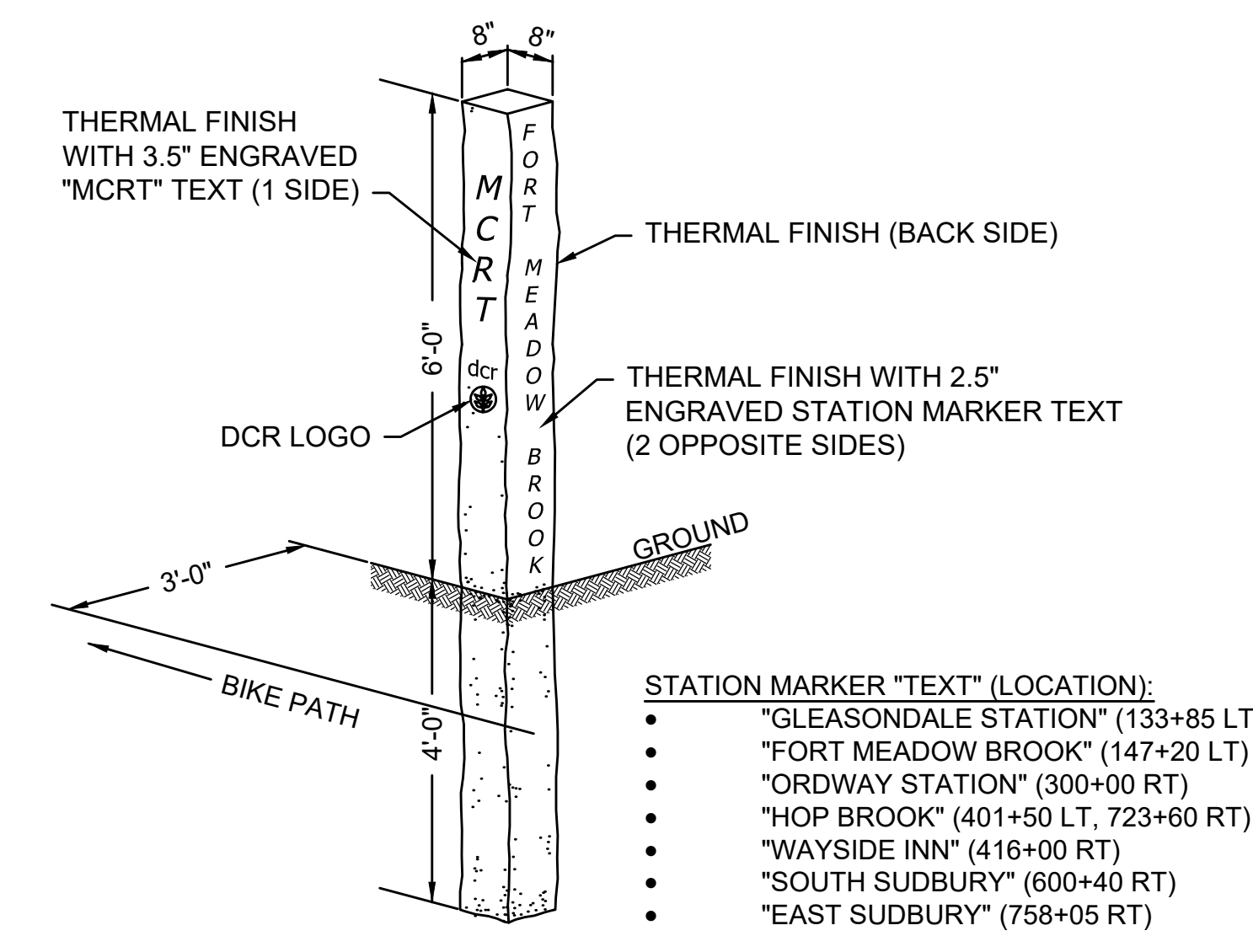
2 OF 8

NOTE:
 ALL LETTERING TO BE 1/2" "V"
 SUNK LETTER IN TACOMA TEXT



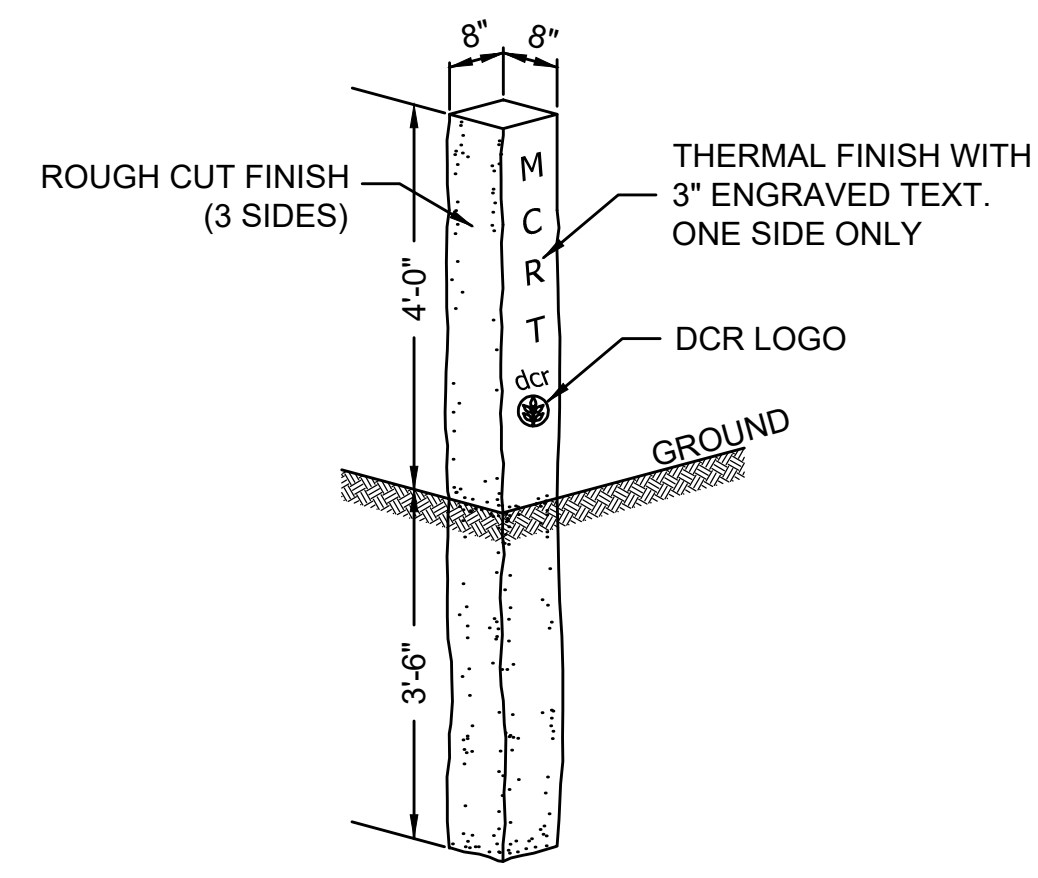
GRANITE MILE POST

SCALE: N.T.S.



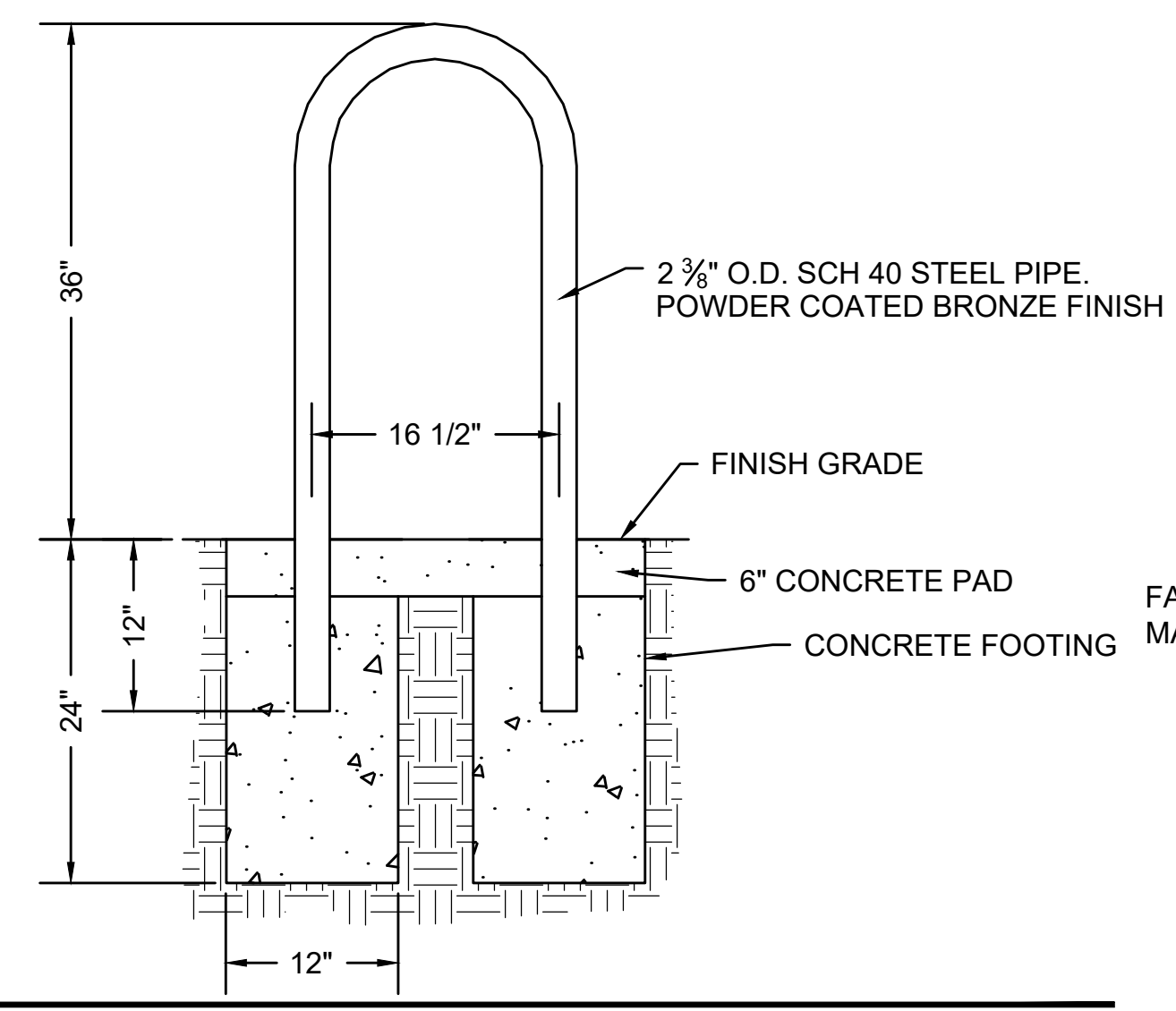
GRANITE STATION PILLAR

SCALE: N.T.S.



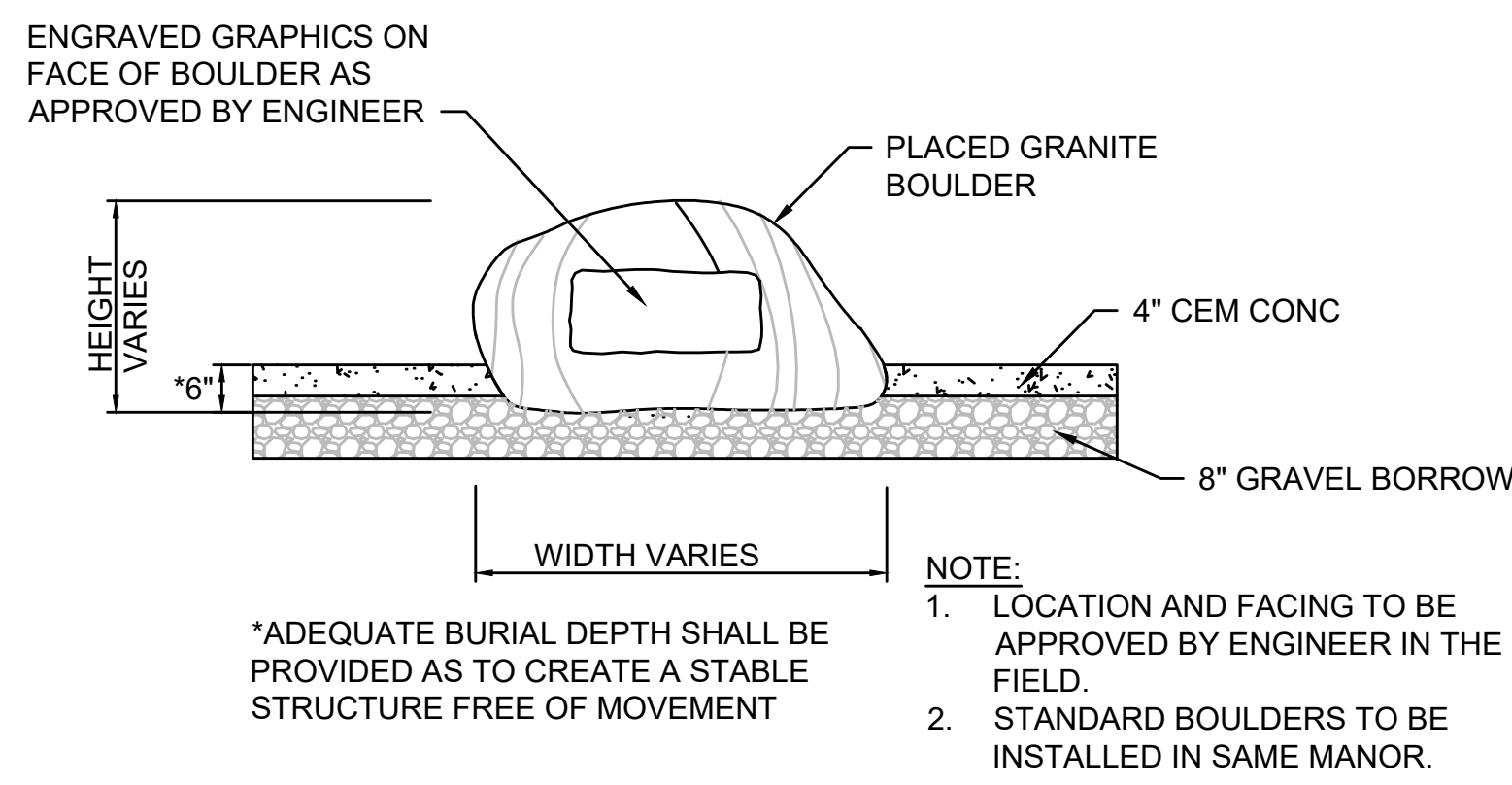
GRANITE LETTERED POST

SCALE: N.T.S.



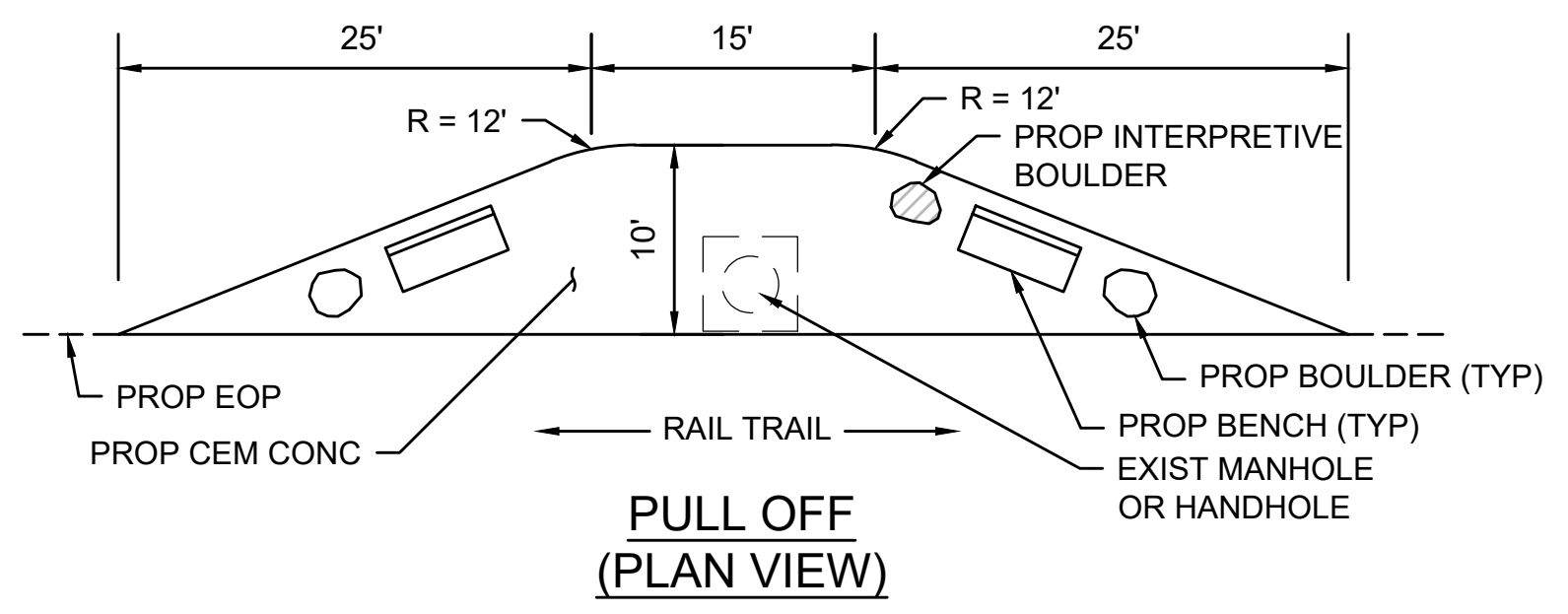
BICYCLE RACK

SCALE: N.T.S.



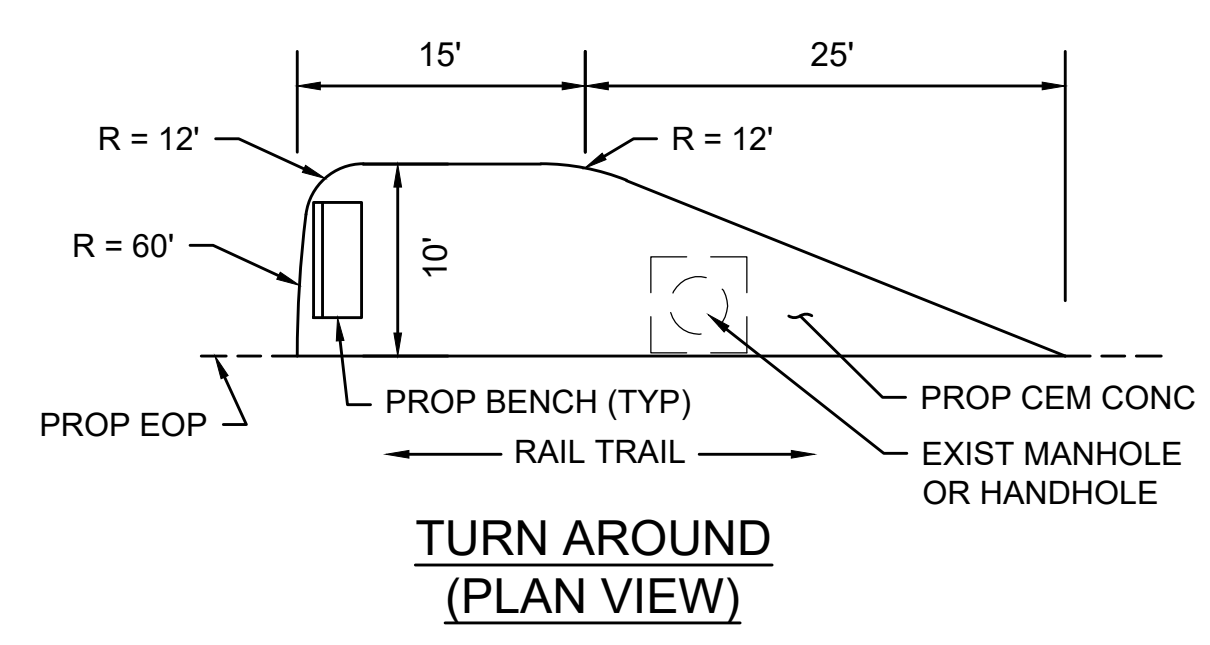
INTERPRETIVE BOULDER

SCALE: N.T.S.



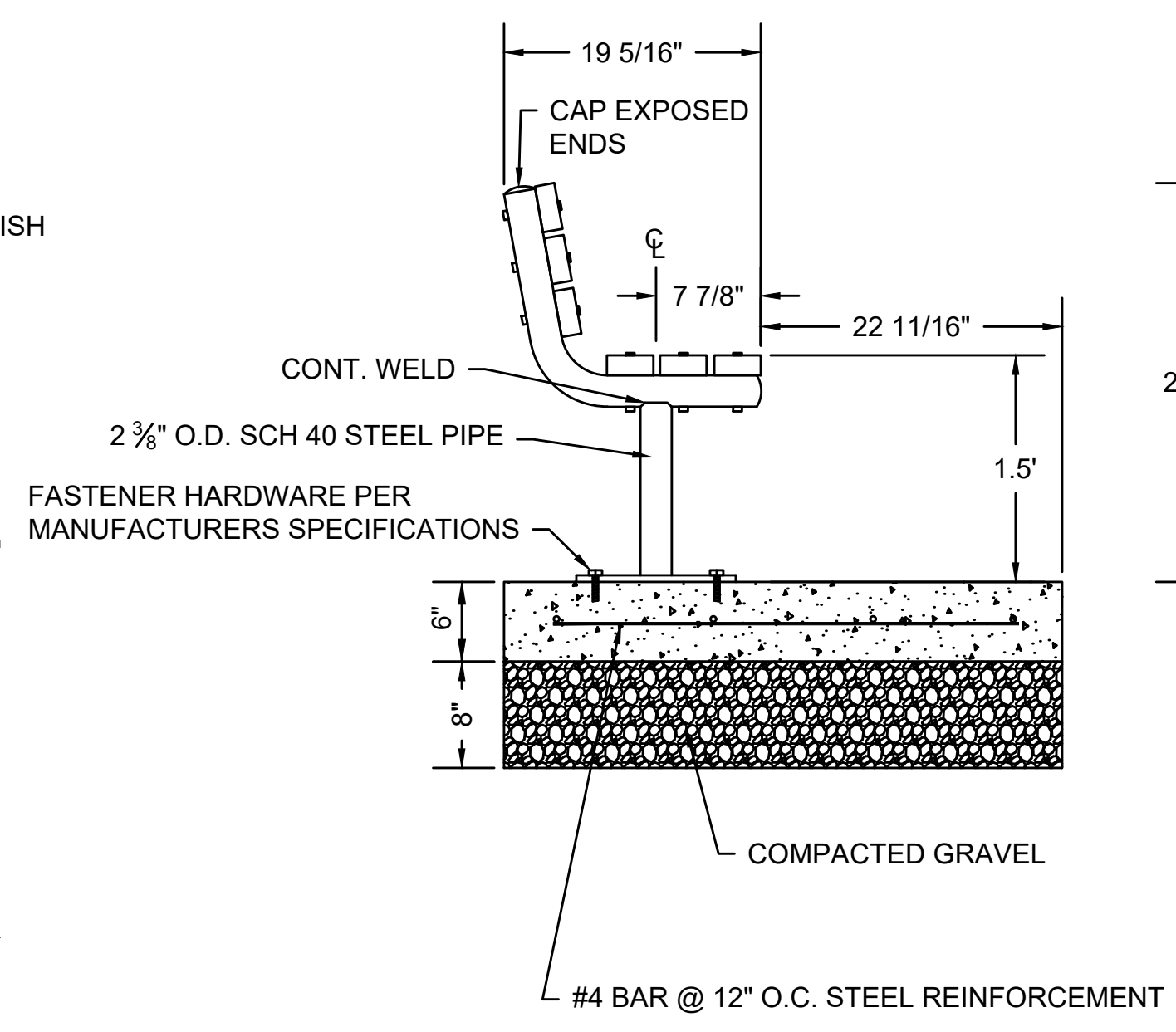
CEMENT CONCRETE PULL OFF

SCALE: N.T.S.



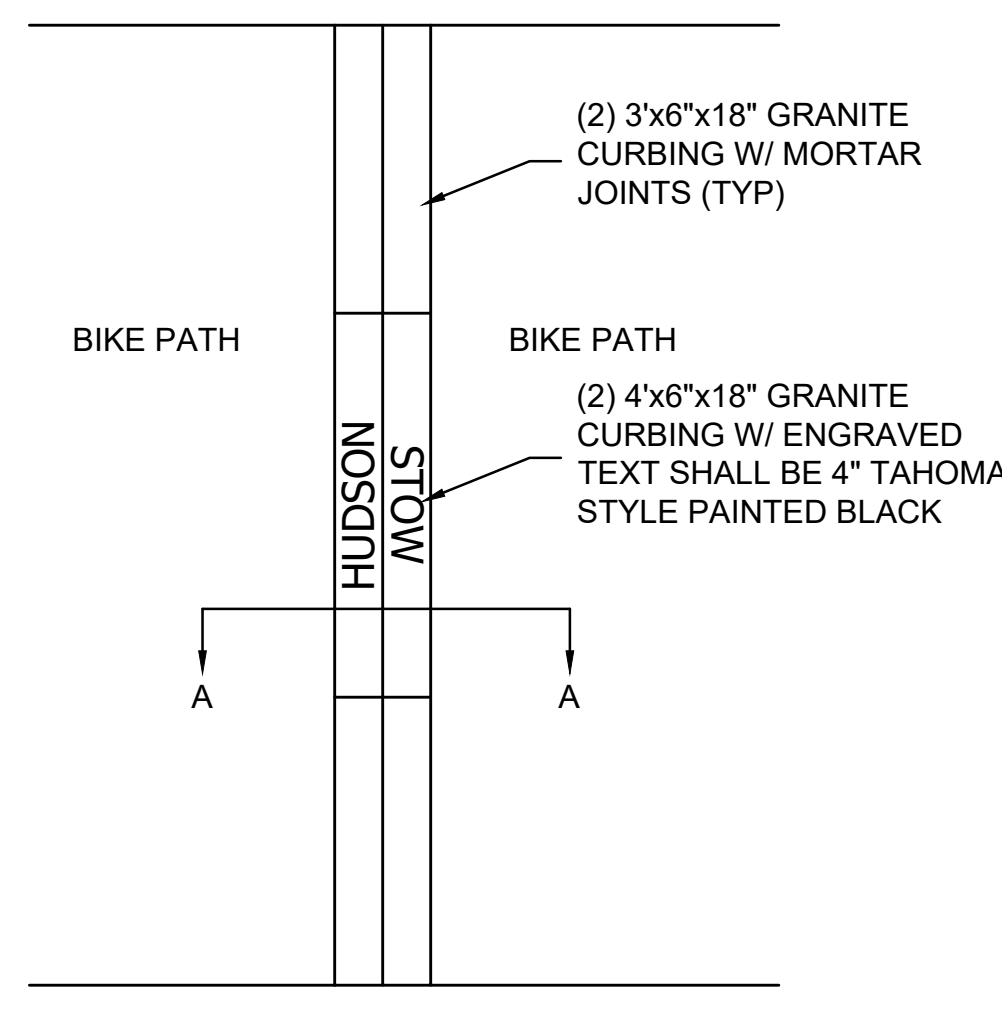
CEMENT CONCRETE TURN AROUND

SCALE: N.T.S.



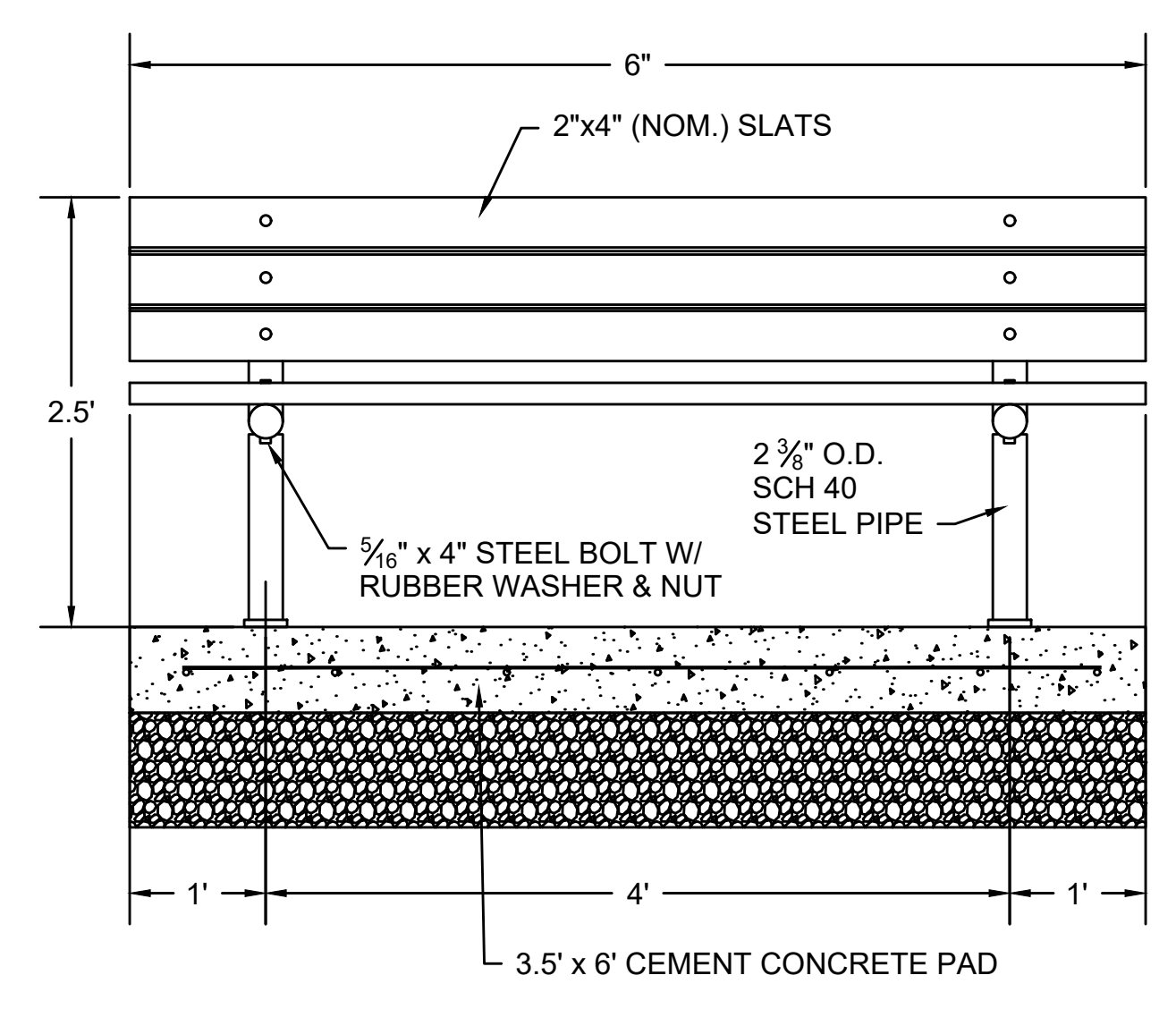
BENCH

SCALE: NTS



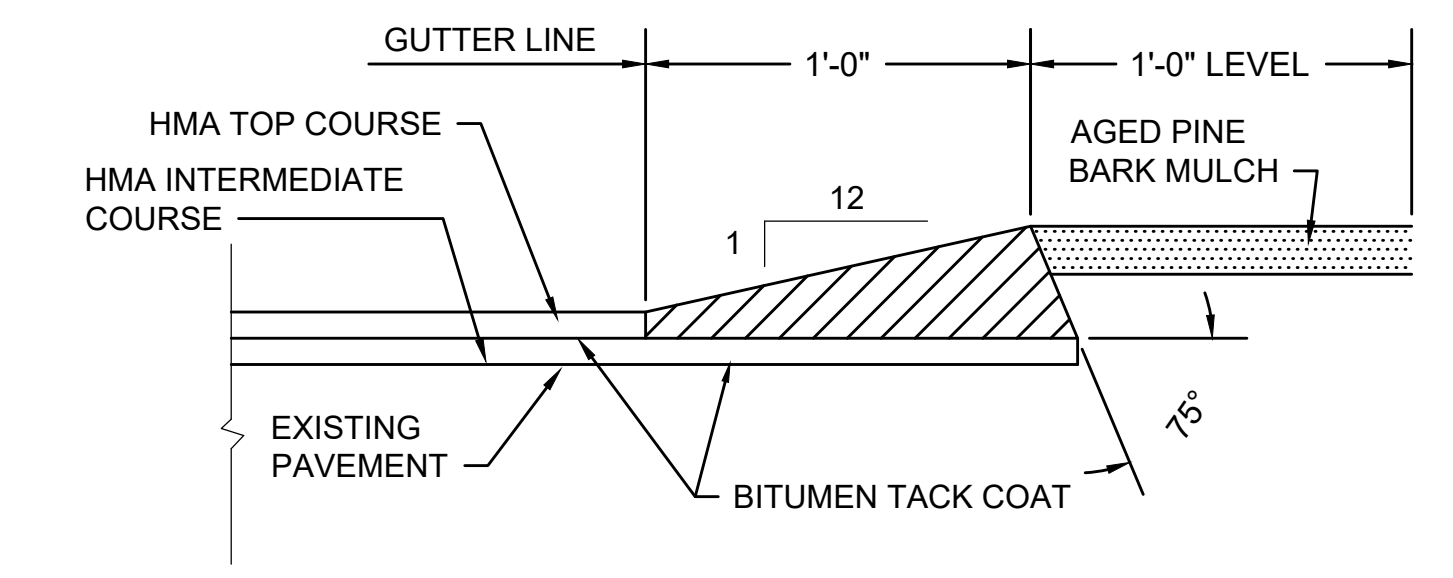
INLAID GRANITE TOWN LINE MARKER

SCALE: NTS



BENCH NOTES:

1. STEEL PIPING SHALL BE POWDER COATED BRONZE FINISH
2. SLATS SHALL BE 2x4 (NOM.). MATERIAL AND FINISH TO BE PER SPECIAL PROVISIONS.
3. ALL HARDWARE SHALL BE STAINLESS STEEL UNLESS OTHERWISE NOTED.



HMA BERM TYPE A-MODIFIED

SCALE: N.T.S.

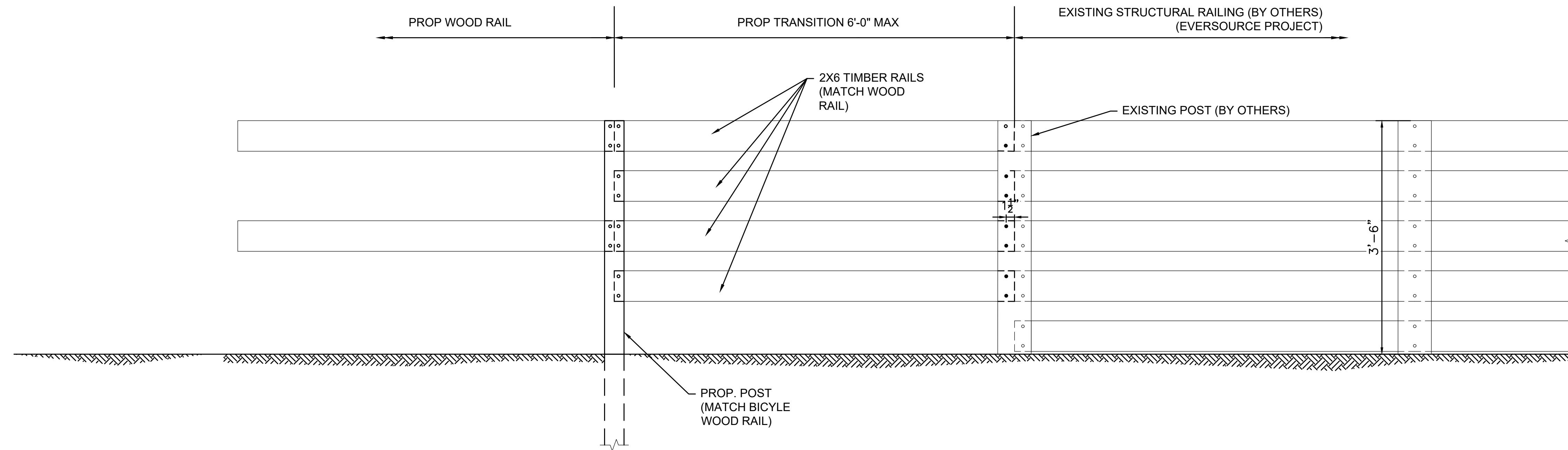
REV.	DATE	DESCRIPTION	BY



**COMMONWEALTH OF MASSACHUSETTS
 DEPARTMENT OF CONSERVATION AND RECREATION
 DIVISION OF PLANNING AND ENGINEERING**

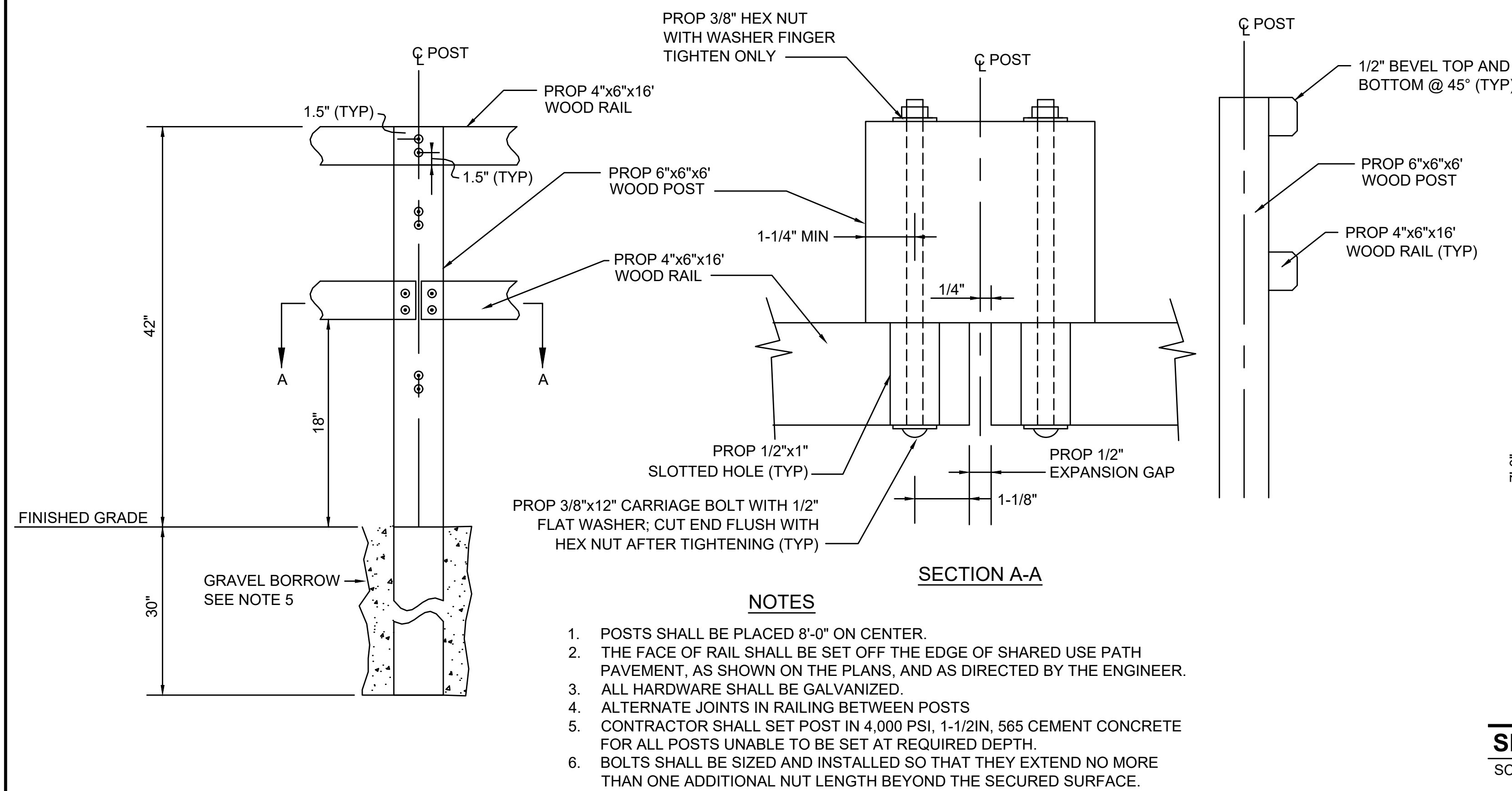
MASS CENTRAL RAIL TRAIL - WAYSIDE
 MASS CENTRAL RAIL TRAIL
 HUDSON, STOW, MARLBOROUGH & SUDBURY, MA

DESIGNER: JCR	CONSTRUCTION DETAILS	SHEET NO. D-03
CHECKED: SHK		
DRAWN: JCR	CONT: P19-3295-D1A	SCALE: 1" = 20'-0"
CHECKED: TAL	ACC: XXXXXXXX	DATE: JAN 2021



WOOD RAIL TRANSITION DETAIL AT EXISTING STRUCTURAL RAILING

SCALE: NTS

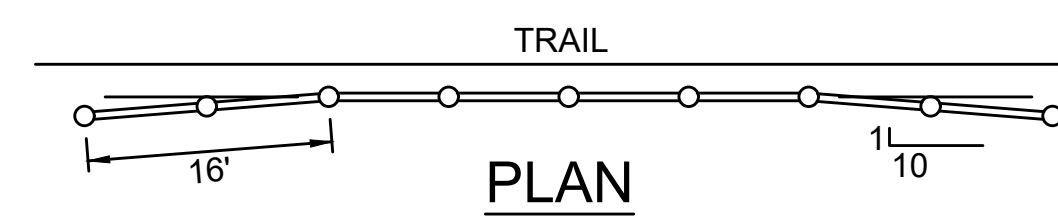


NOTES

1. POSTS SHALL BE PLACED 8'-0" ON CENTER.
2. THE FACE OF RAIL SHALL BE SET OFF THE EDGE OF SHARED USE PATH PAVEMENT, AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.
3. ALL HARDWARE SHALL BE GALVANIZED.
4. ALTERNATE JOINTS IN RAILING BETWEEN POSTS
5. CONTRACTOR SHALL SET POST IN 4,000 PSI, 1-1/2IN, 565 CEMENT CONCRETE FOR ALL POSTS UNABLE TO BE SET AT REQUIRED DEPTH.
6. BOLTS SHALL BE SIZED AND INSTALLED SO THAT THEY EXTEND NO MORE THAN ONE ADDITIONAL NUT LENGTH BEYOND THE SECURED SURFACE.

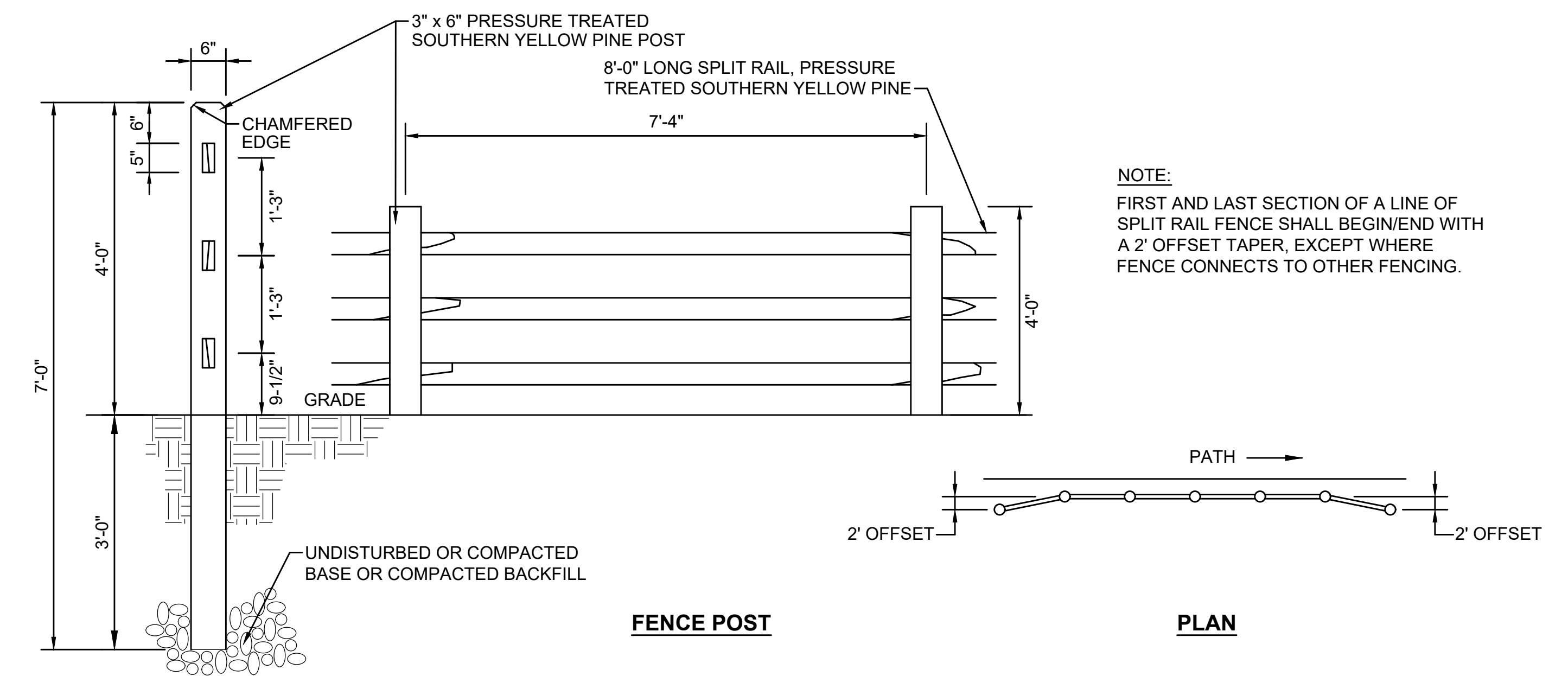
WOOD RAIL - ELEVATION AND SECTION VIEWS

SCALE: NTS



WOOD RAIL TERMINAL END - PLAN VIEW

SCALE: NTS



NOTE:
FIRST AND LAST SECTION OF A LINE OF SPLIT RAIL FENCE SHALL BEGIN/END WITH A 2' OFFSET TAPER, EXCEPT WHERE FENCE CONNECTS TO OTHER FENCING.

SPLIT RAIL WOOD FENCE

SCALE: NTS

REV.	DATE	DESCRIPTION	BY



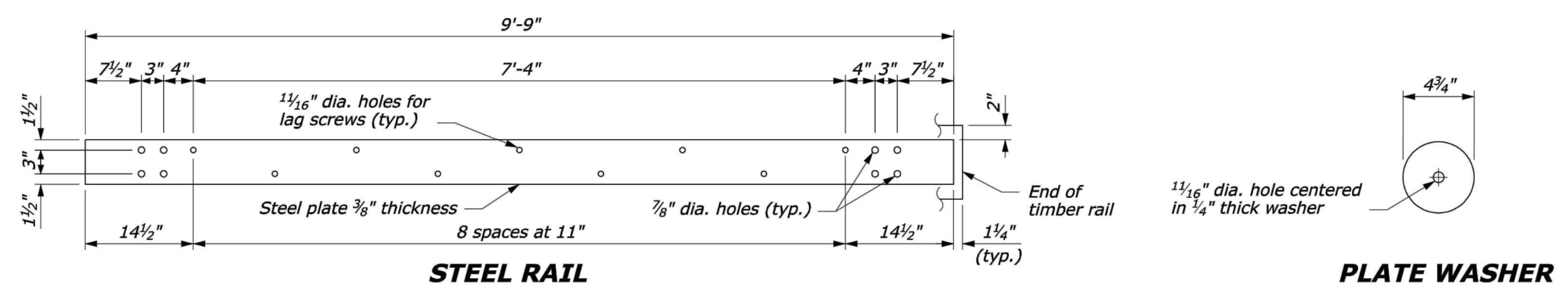
**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF CONSERVATION AND RECREATION
DIVISION OF PLANNING AND ENGINEERING**

MASS CENTRAL RAIL TRAIL - WAYSIDE

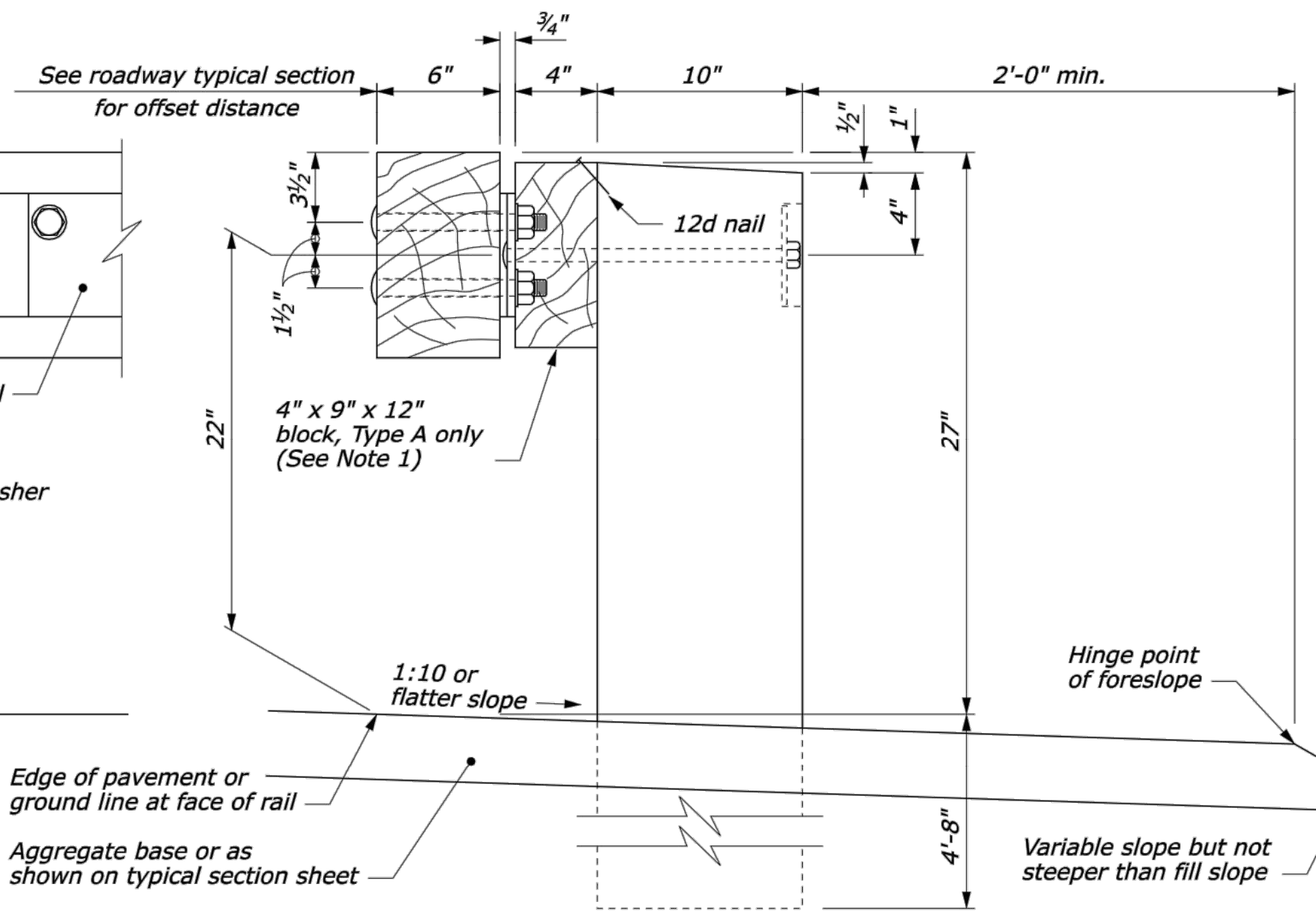
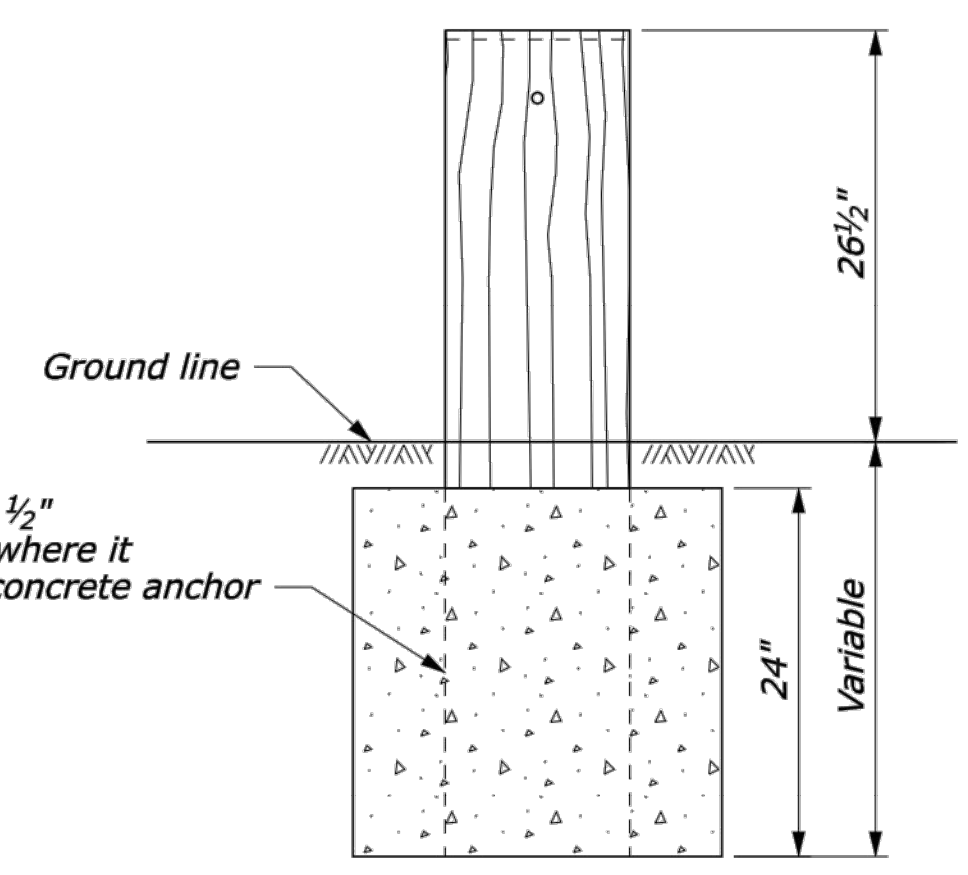
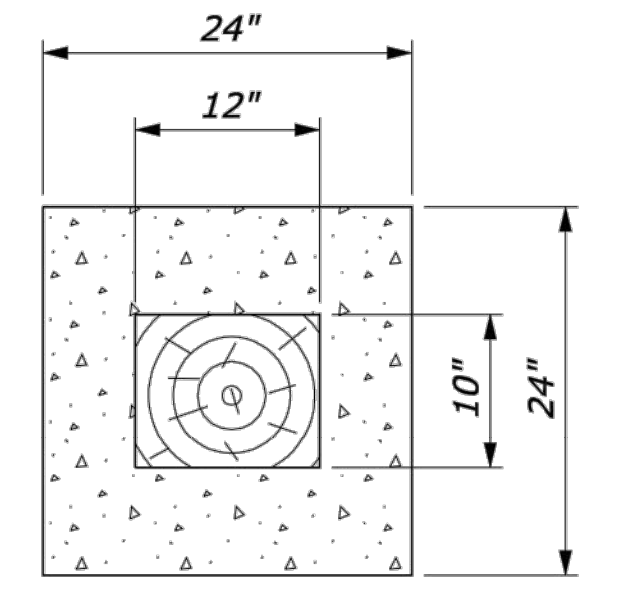
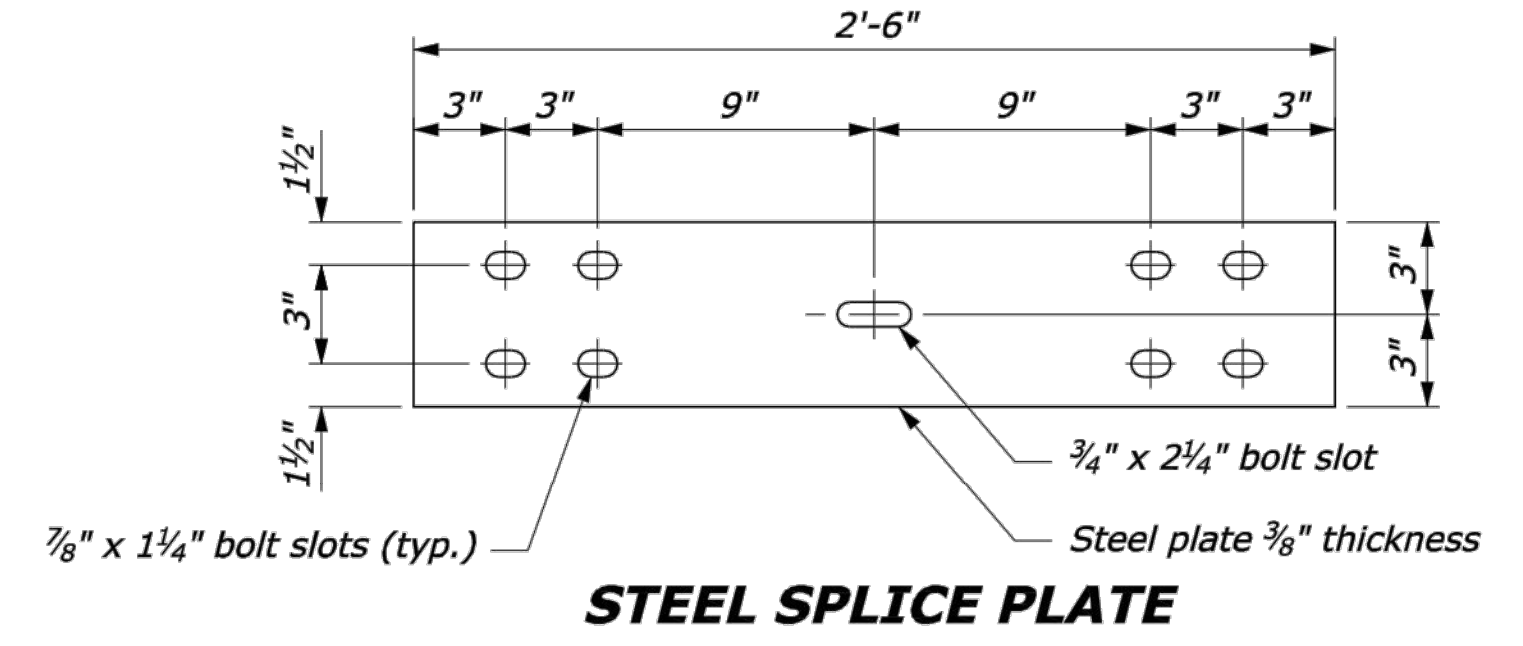
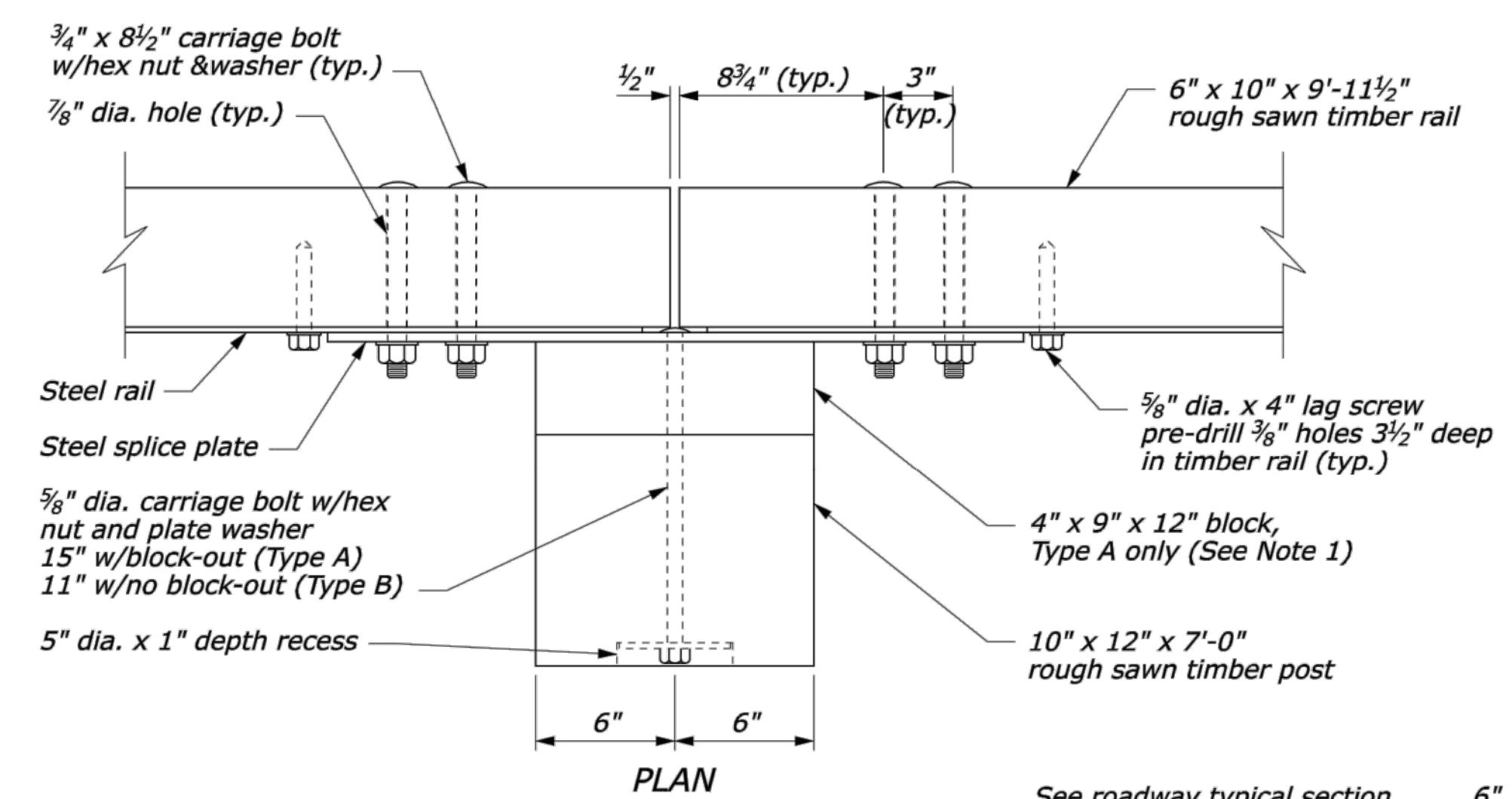
MASS CENTRAL RAIL TRAIL
HUDSON, STOW, MARLBOROUGH & SUDBURY, MA

DESIGNER: JCR	CONSTRUCTION DETAILS	SHEET NO. D-04
CHECKED: SHK		
DRAWN: JCR	CONT: P19-3295-D1A	SCALE: 1" = 20'-0"
CHECKED: TAL	ACC: XXXXXXXX	DATE: JAN 2021

STATE	PROJECT	SHEET NUMBER



- NOTES:
1. EXTEND THE FILL WIDENING A MINIMUM OF 5 FEET BEHIND THE GUARDRAIL, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
 2. THE GUARDRAIL SHALL BE TYPE A, BLOCKED-OUT GUARDRAIL.



24" dia. round anchor is an acceptable alternative. Reduced size acceptable in solid rock.

CONCRETE ANCHOR FOR SHORT GUARDRAIL POST

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION FEDERAL LANDS HIGHWAY	
U.S. CUSTOMARY STANDARD	
STEEL-BACKED TIMBER GUARDRAIL TYPE A & TYPE B	
STANDARD APPROVED FOR USE 3/1990	STANDARD
REVISED: 4/1994 6/2005	617-60

F:\StandDraw\651760.dgn [US Customary] 20-Sep-2007 08:42 AM

STEEL-BACKED TIMBER GUARDRAIL
SCALE: NTS

REV.	DATE	DESCRIPTION	BY



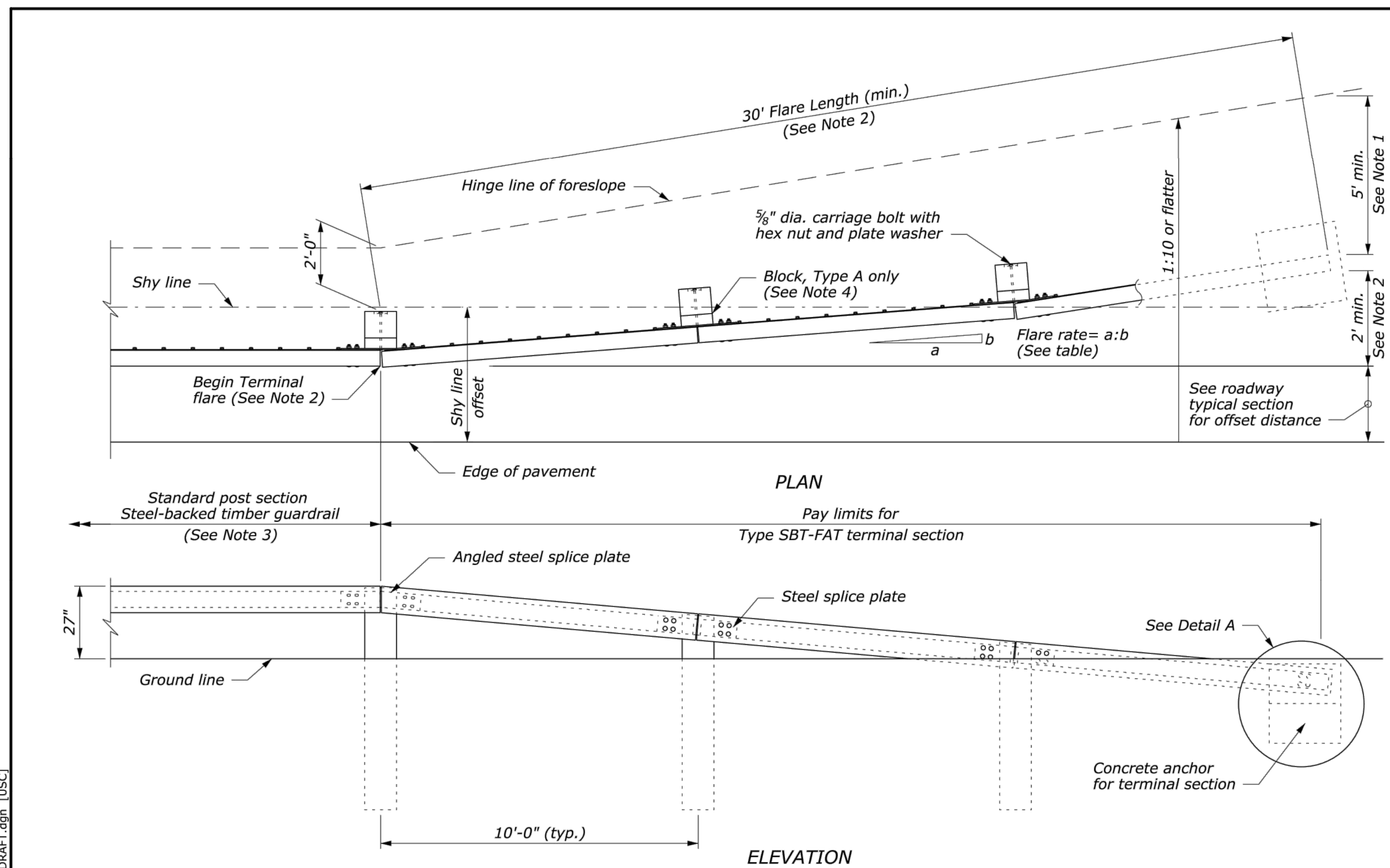
**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF CONSERVATION AND RECREATION
DIVISION OF PLANNING AND ENGINEERING**

MASS CENTRAL RAIL TRAIL - WAYSIDE
MASS CENTRAL RAIL TRAIL
HUDSON, STOW, MARLBOROUGH & SUDBURY, MA

DESIGNER: JCR	CONSTRUCTION DETAILS	SHEET NO. D-05
CHECKED: SHK		
DRAWN: JCR	CONT: P19-3295-D1A	SCALE: 1" = 20'-0"
CHECKED: TAL	ACC: XXXXXXXX	DATE: JAN 2021

14424_HJD(ET).DWG Plotted on 9-Dec-2020 3:37 PM

STATE	PROJECT	SHEET NUMBER

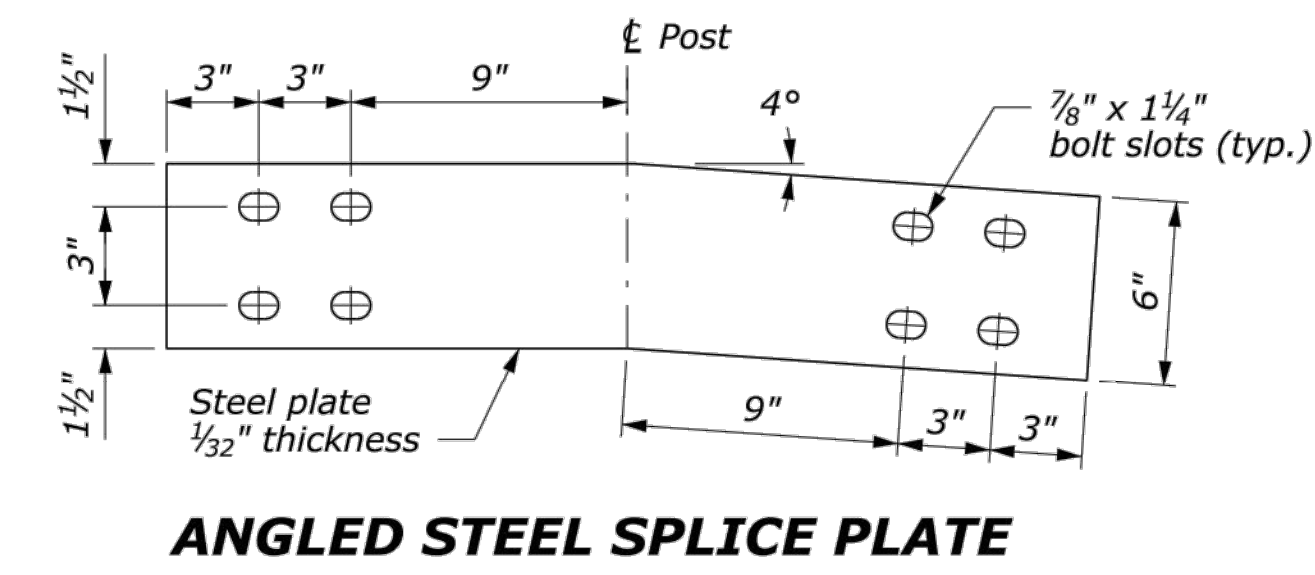
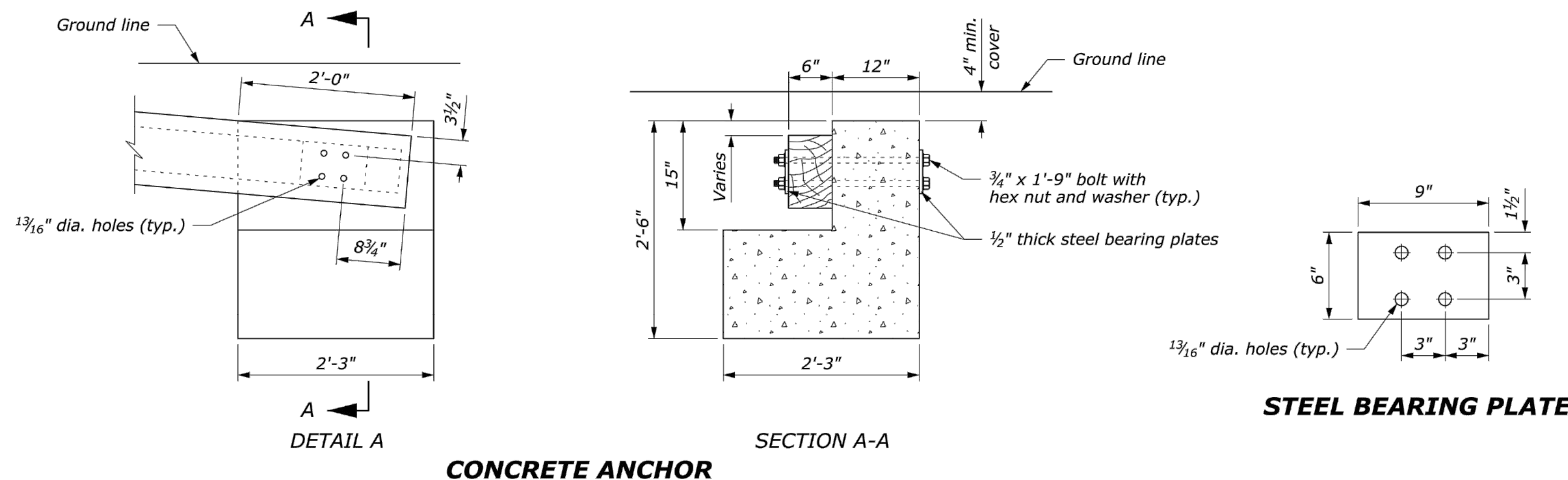


NOTES:

1. EXTEND THE FILL WIDENING A MINIMUM OF 5 FEET BEHIND THE GUARDRAIL, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. SEE STANDARD 617-60, STEEL BACKED TIMBER GUARDRAIL, TYPE SBTA AND SBTB, FOR TIMBER, STRUCTURAL STEEL AND HARDWARE.
3. ON THE TYPE A, BLOCKED-OUT GUARDRAIL, INCLUDE THE BLOCKS IN THE TERMINAL SECTION, EXCEPT ON THE CONCRETE ANCHOR.

Design Speed (mph)	Shy line offset (ft)	Flare rate inside shy line (a:b)	Flare rate outside shy line (a:b)
60	8.0	26:1	14:1
50	6.5	21:1	11:1
40	5.0	16:1	8:1
30 and less	3.5	13:1	7:1

APPROACH & DEPARTURE FLARE WITH FLARED ANCHOR TERMINAL (FAT)



U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
FEDERAL LANDS HIGHWAY

U.S. CUSTOMARY STANDARD

**STEEL-BACKED TIMBER GUARDRAIL
TERMINAL SECTION
TYPE SBT-FAT**

STANDARD APPROVED FOR USE 1/1990
REVISED: 4/1994 6/2005
DRAFT: 12/2013

STANDARD 617-61

24 December 2013 6:54 AM c:\myfiles\jw_production\mms67487\Standard_617-61.DRA\FT.dgn [USC]

STEEL-BACKED TIMBER GUARDRAIL - TERMINAL SECTION TYPE SBT-FAT
SCALE: NTS

REV.	DATE	DESCRIPTION	BY

Transportation Land Development
Environmental Services
101 Walnut St., P.O. Box 9151
Watertown, MA 02472
617 924 1770 FAX 617 924 2286

**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF CONSERVATION AND RECREATION
DIVISION OF PLANNING AND ENGINEERING**

MASS CENTRAL RAIL TRAIL - WAYSIDE
MASS CENTRAL RAIL TRAIL
HUDSON, STOW, MARLBOROUGH & SUDBURY, MA

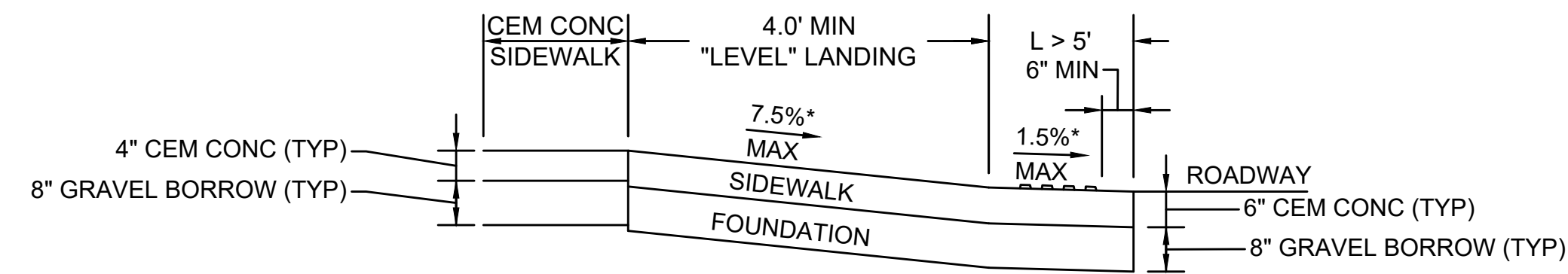
CONSTRUCTION DETAILS

DESIGNER: JCR
CHECKED: SHK
DRAWN: JCR
CHECKED: TAL

CONT: P19-3295-D1A
ACC: XXXXXXXX

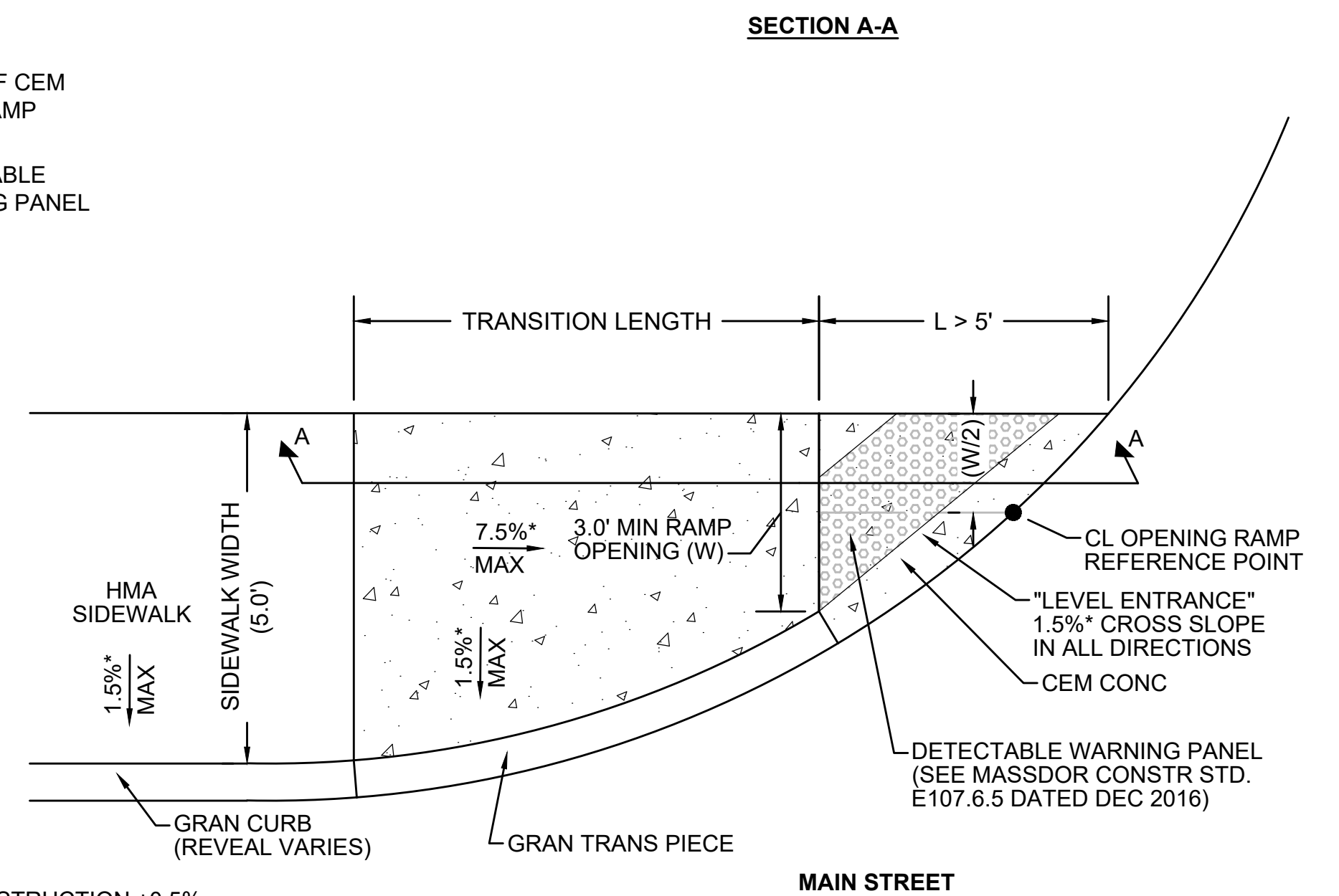
SCALE: 1" = 20'-0"
DATE: JAN 2021

SHEET NO. D-06
6 OF 8



LEGEND

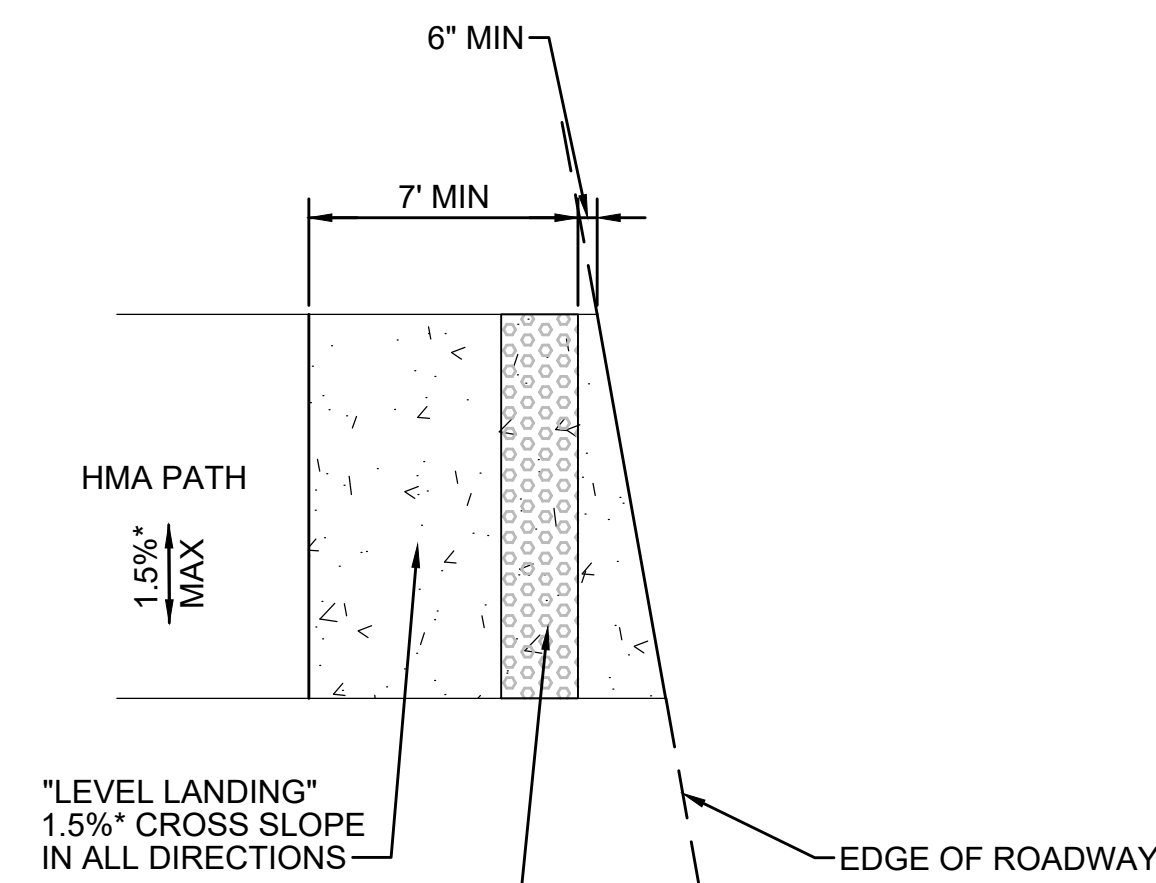
- LIMITS OF CEM CONC RAMP
- DETECTABLE WARNING PANEL



*TOLERANCE FOR CONSTRUCTION ±0.5%

WHEELCHAIR RAMP - 'L' IS GREATER THAN 5'

SCALE: NTS



LEGEND

- LIMITS OF CEM CONC RAMP
 - DETECTABLE WARNING PANEL
- *TOLERANCE FOR CONSTRUCTION ±0.5%

WHEELCHAIR RAMP - PATH

SCALE: N.T.S.

REV.	DATE	DESCRIPTION	BY



Transportation Land Development
Environmental Services
101 Walnut St., P.O. Box 9151
Watertown, MA 02472
617 924 1770 FAX 617 924 2286

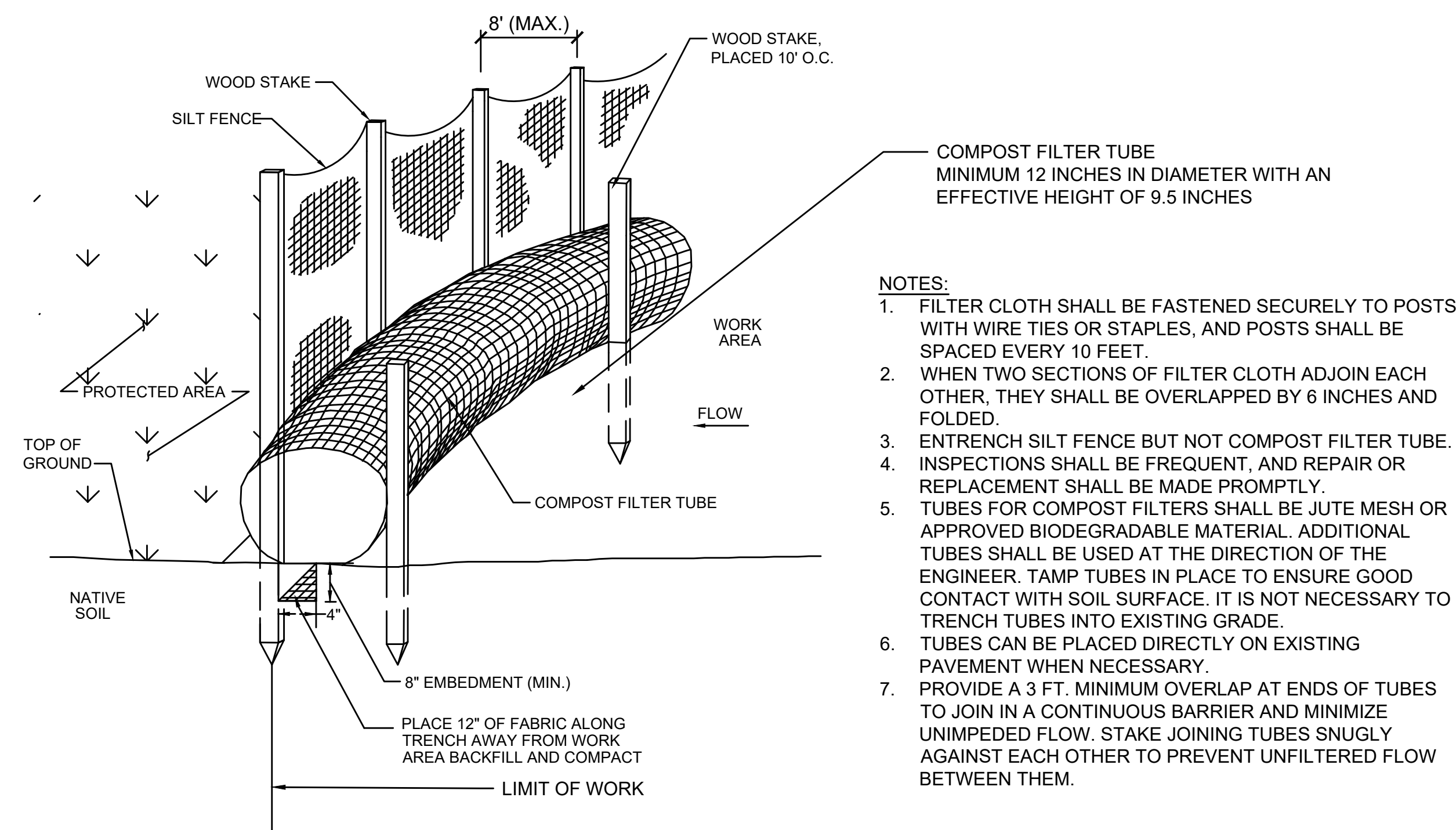
COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF CONSERVATION AND RECREATION
DIVISION OF PLANNING AND ENGINEERING

MASS CENTRAL RAIL TRAIL - WAYSIDE

MASS CENTRAL RAIL TRAIL
HUDSON, STOW, MARLBOROUGH & SUDBURY, MA

DESIGNER: JCR	CONSTRUCTION DETAILS	SHEET NO. D-07
CHECKED: SHK		
DRAWN: JCR	CONT: P19-3295-D1A	SCALE: 1" = 20'-0"
CHECKED: TAL	ACC: XXXXXXXX	DATE: JAN 2021

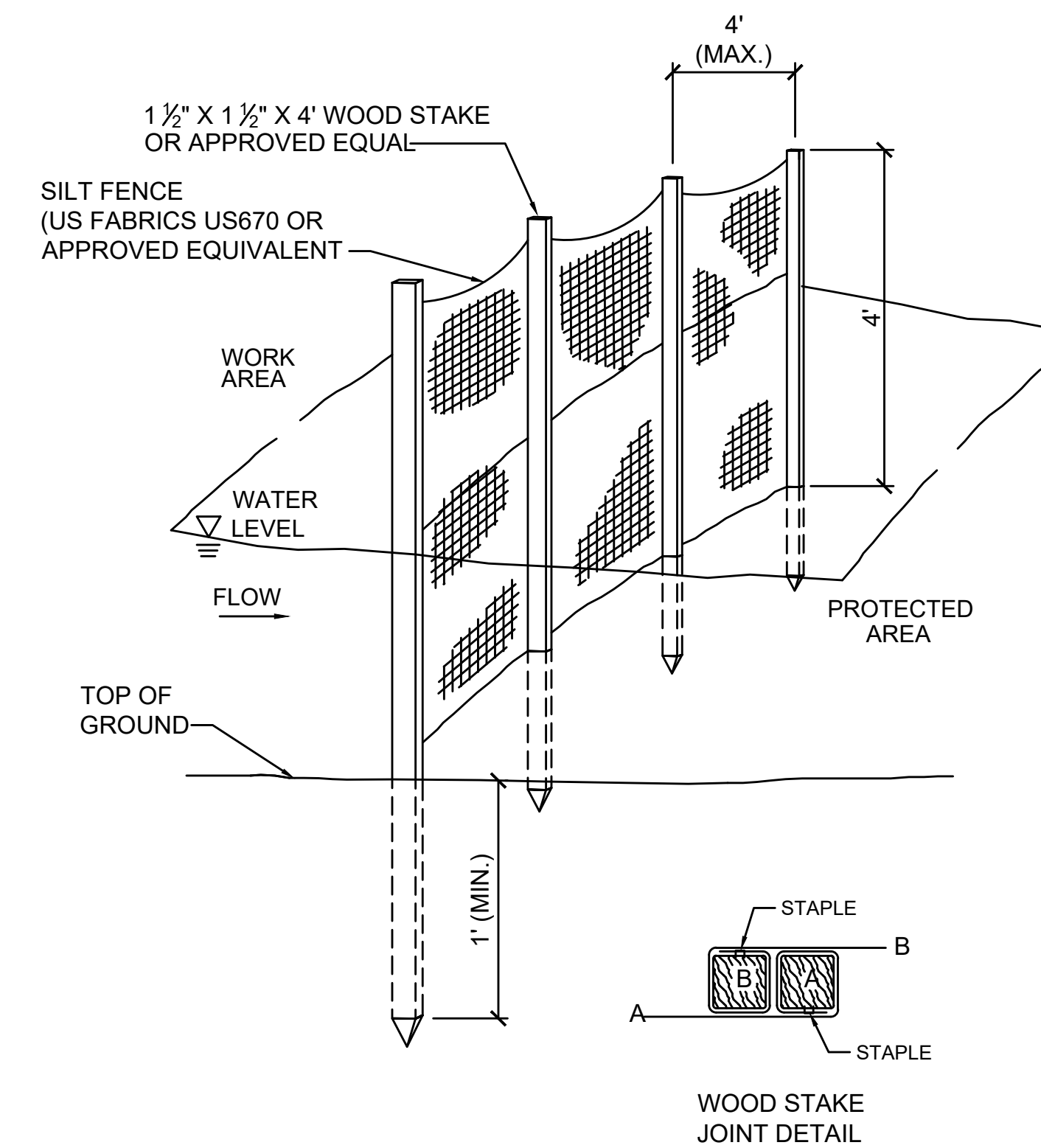
7 OF 8



- NOTES:**
1. FILTER CLOTH SHALL BE FASTENED SECURELY TO POSTS WITH WIRE TIES OR STAPLES, AND POSTS SHALL BE SPACED EVERY 10 FEET.
 2. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES AND FOLDED.
 3. ENTRENCH SILT FENCE BUT NOT COMPOST FILTER TUBE.
 4. INSPECTIONS SHALL BE FREQUENT, AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY.
 5. TUBES FOR COMPOST FILTERS SHALL BE JUTE MESH OR APPROVED BIODEGRADABLE MATERIAL. ADDITIONAL TUBES SHALL BE USED AT THE DIRECTION OF THE ENGINEER. TAMP TUBES IN PLACE TO ENSURE GOOD CONTACT WITH SOIL SURFACE. IT IS NOT NECESSARY TO TRENCH TUBES INTO EXISTING GRADE.
 6. TUBES CAN BE PLACED DIRECTLY ON EXISTING PAVEMENT WHEN NECESSARY.
 7. PROVIDE A 3 FT. MINIMUM OVERLAP AT ENDS OF TUBES TO JOIN IN A CONTINUOUS BARRIER AND MINIMIZE UNIMPEDED FLOW. STAKE JOINING TUBES SNUGLY AGAINST EACH OTHER TO PREVENT UNFILTERED FLOW BETWEEN THEM.

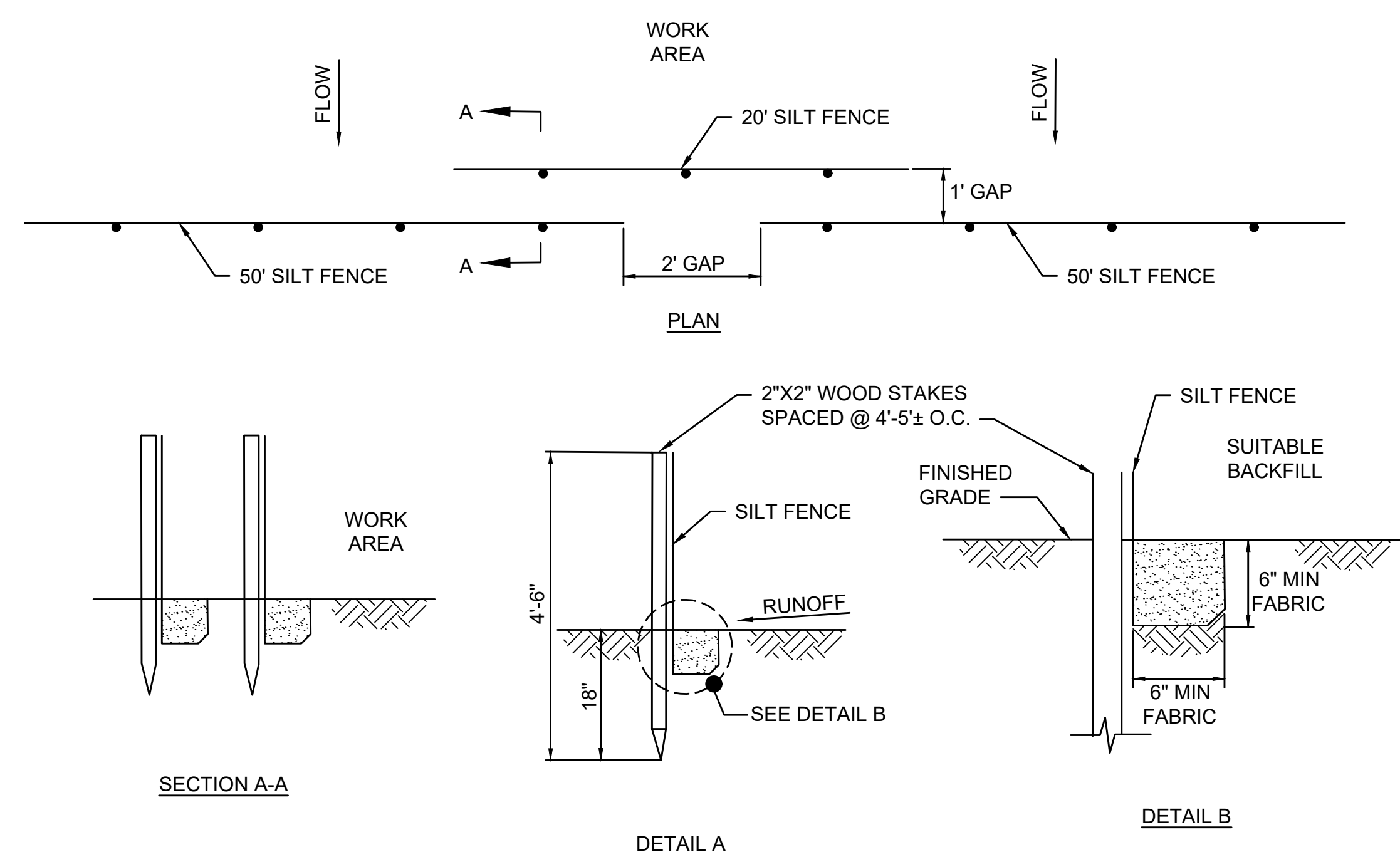
COMPOST FILTER TUBE AND SILT FENCE DETAIL - TYPE A EROSION CONTROL BARRIER

SCALE: N.T.S.



4' HIGH SILT FENCE BARRIER DETAIL - EROSION CONTROL BARRIER TYPE C (OPTION 1)

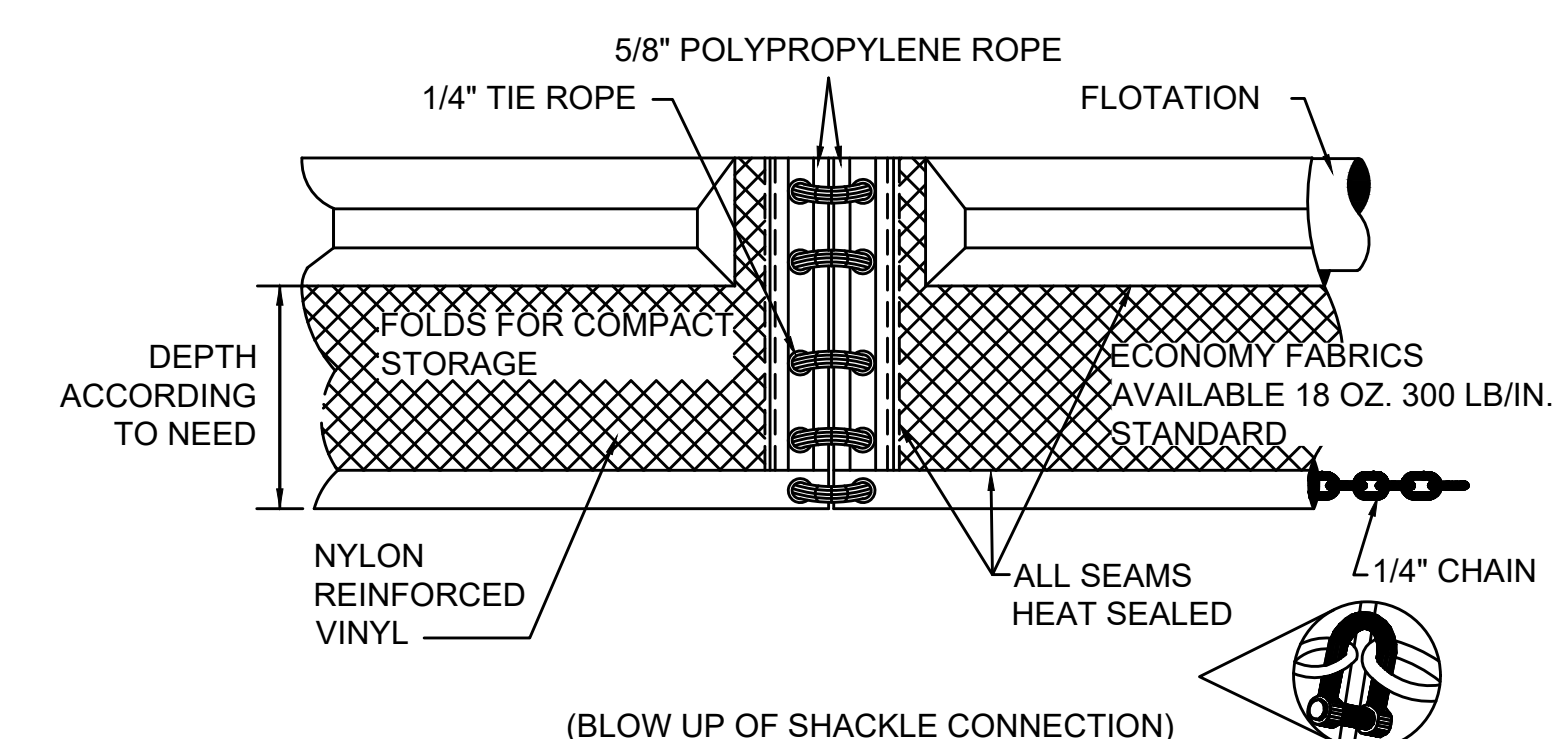
SCALE: N.T.S.



- NOTES:**
1. SYNCOPATED SILT FENCE SHALL BE USED WITHIN ALL PRIORITY HABITAT AREAS AND WITHIN 450' OF VERNAL POOLS.
 2. INSTALL GAP AFTER EVERY 50' OF EROSION CONTROL BARRIER.

SYNCOPATED SILT FENCE DETAIL - TYPE B EROSION CONTROL BARRIER

SCALE: N.T.S.



TURBIDITY CURTAIN DETAIL - EROSION CONTROL BARRIER TYPE C (OPTION 2)

SCALE: N.T.S.

<p>COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF CONSERVATION AND RECREATION DIVISION OF PLANNING AND ENGINEERING</p>		
<p>MASS CENTRAL RAIL TRAIL - WAYSIDE</p>		
<p>MASS CENTRAL RAIL TRAIL HUDSON, STOW, MARLBOROUGH & SUDBURY, MA</p>		
<p>DESIGNER: JCR CHECKED: SHK</p>		<p>SHEET NO. D-08</p>
<p>DRAWN: JCR CHECKED: TAL</p>		<p>CONSTRUCTION DETAILS</p>
<p>CONT: P19-3295-D1A ACC: XXXXXXXX</p>		<p>SCALE: 1" = 20'-0" DATE: JAN 2021</p>

