

- NOTES:**
1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).
 2. MAXIMUM CRANE PAD DIMENSIONS OF 40'X40' ARE ALLOWED AT ANY GIVEN TIME. A LONGER CRANE MAT FOOTPRINT IS SHOWN HERE TO ALLOW THE CRANE MAT LOCATION TO BE SHIFTED DURING CONSTRUCTION OF THE STEEL SHEETING AND BRIDGE.
 2. SYNCOPATED SILT FENCE (TYPE B ECB) TO BE USED WITHIN PRIORITY HABITAT AREA AND 100' VP BZ. SEE DETAIL ON SHEET 124.

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]	TEMPORARY DISTURBANCE TO VEGETATED WETLAND
[Hatched pattern]	TEMPORARY DISTURBANCE TO LAND UNDER WATER (LUW)
[Hatched pattern]	TEMPORARY DISTURBANCE TO BANK
[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

vhb Vanasse Hangen Brustlin, Inc.
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Watertown, MA 02472
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N.O.	DESCRIPTION	REVISION	BY	DATE	APPR.

EVERSOURCE

SUDBURY-HUDSON TRANSMISSION RELIABILITY PROJECT
HUDSON, STOW, MARLBOROUGH & SUDBURY MASSACHUSETTS
CONSTRUCTION PLANS

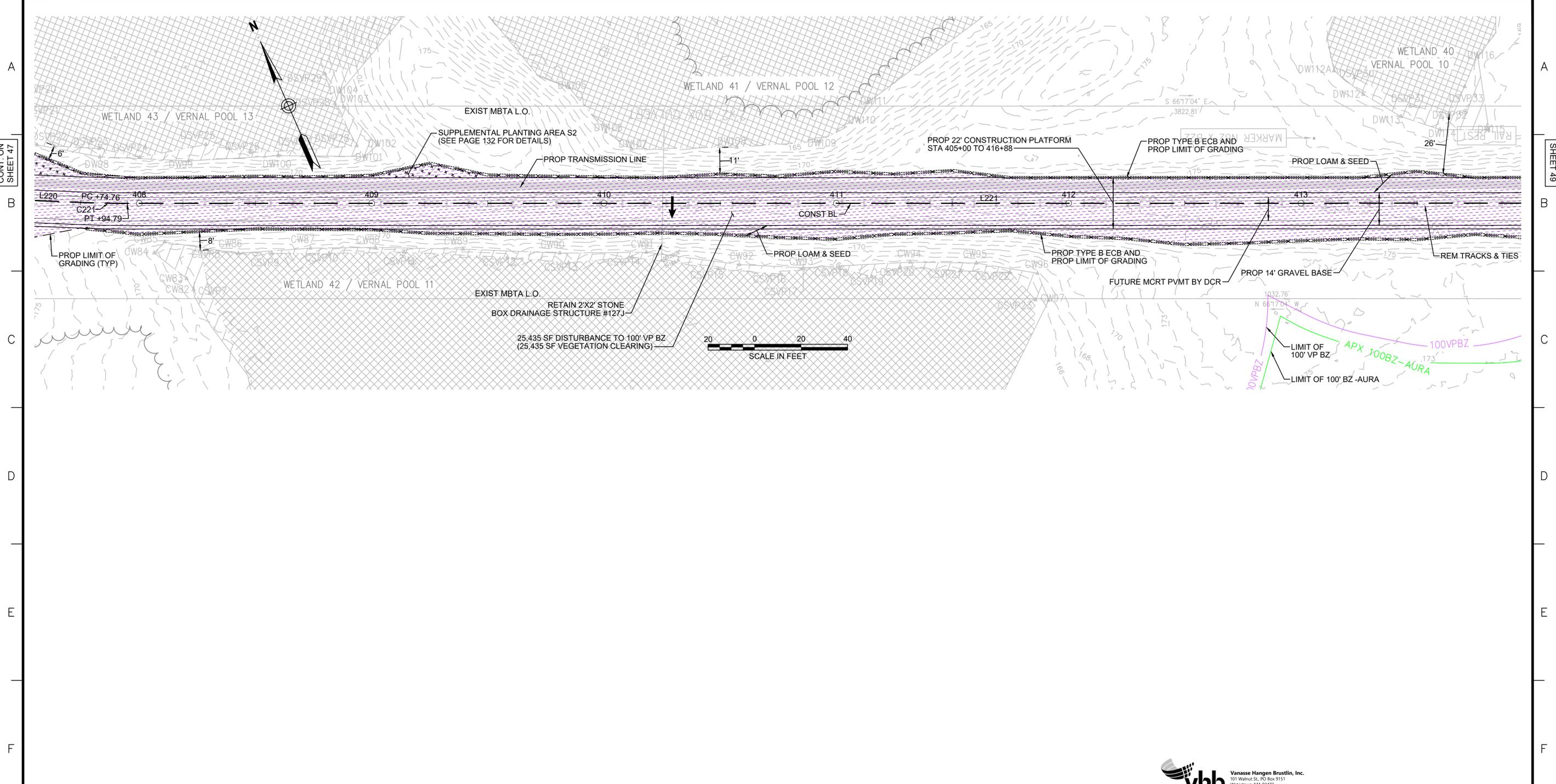
PLAN 47 OF 320

SCALE: unless noted 1"=20'	DATE JULY 2020	DRAWN MS	CHK'D. SK	A.P.P.R. MS	DRAWING NO. 	REV.
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1 2 3 4 5 6 7 8 9 10 11

CONT. ON SHEET 47

CONT. ON SHEET 49



NOTES:
 1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).
 2. SYNCOPATED SILT FENCE (TYPE B ECB) TO BE USED WITHIN PRIORITY HABITAT AREA AND 100' VP BZ. SEE DETAIL ON SHEET 124.

ENVIRONMENTAL IMPACTS LEGEND	
HATCH	DESCRIPTION
	ISOLATED VEGETATED WETLAND
	BORDERING VEGETATED WETLAND
	LAND UNDER WATER
	VERNAL POOL
	PERMANENT DISTURBANCE TO VEGETATED WETLAND
	TEMPORARY DISTURBANCE TO VEGETATED WETLAND
	TEMPORARY DISTURBANCE TO LAND UNDER WATER (LUW)
	TEMPORARY DISTURBANCE TO BANK
	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

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N.O.	DESCRIPTION	BY	DATE	APPR.
REVISION				

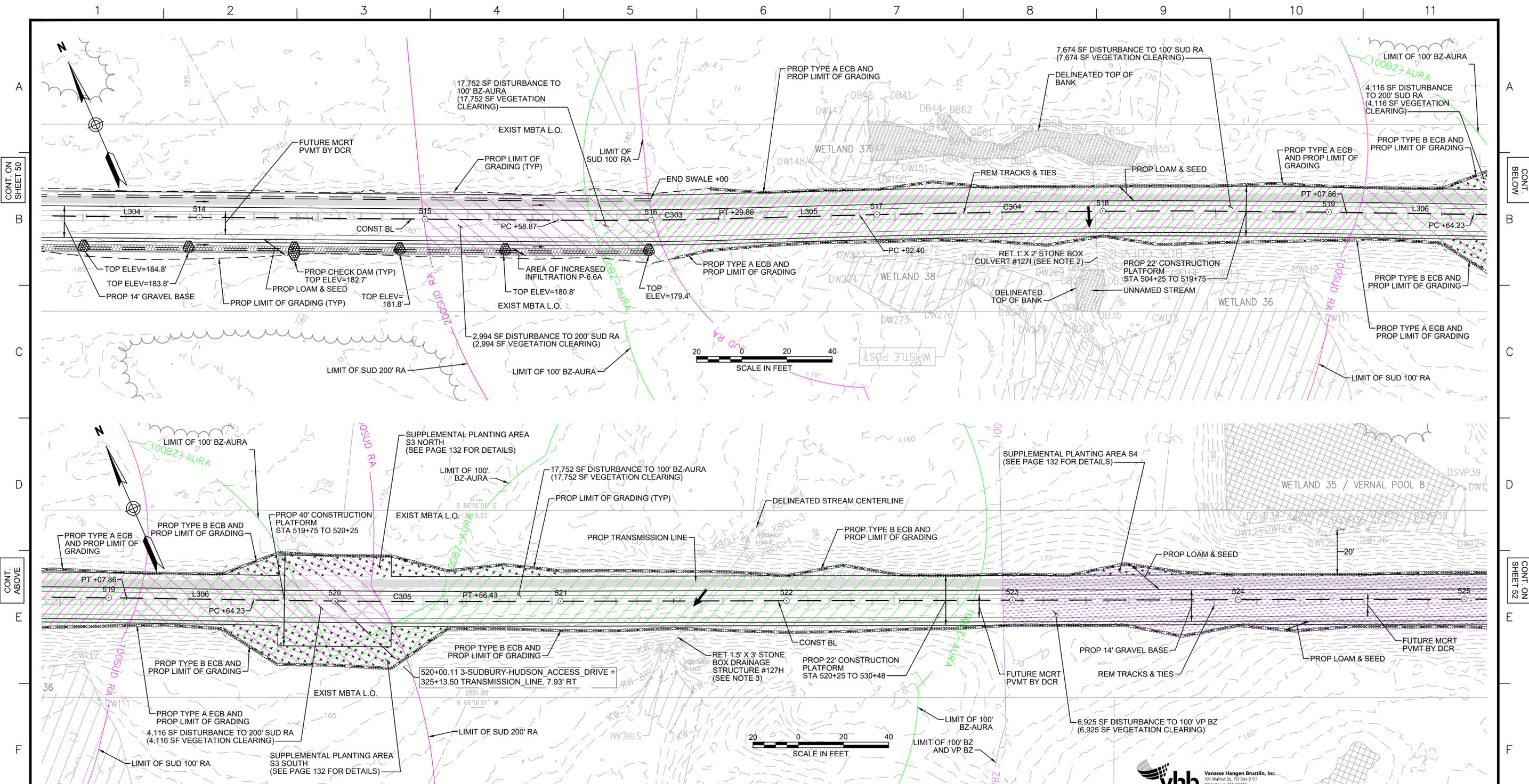
EVERSOURCE

SUDBURY-HUDSON TRANSMISSION RELIABILITY PROJECT
 HUDSON, STOW, MARLBOROUGH & SUDBURY MASSACHUSETTS
 CONSTRUCTION PLANS

PLAN 48 OF 320

SCALE: unless noted 1"=20'	DATE JULY 2020	DRAWN MS	CHK'D. SK	APPR. MS	DRAWING NO.	REV.
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1 2 3 4 5 6 7 8 9 10 11



- NOTES:**
1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).
 2. CONTRACTOR TO CLEAR OUT DEBRIS IN NORTH END OF STONE BOX CULVERT BY HAND.
 3. CONTRACTOR TO CUT TWO 12" TREES ON SOUTHWEST WINGWALL OF STONE BOX DRAINAGE STRUCTURE. NO GRUBBING TO BE PERFORMED OUTSIDE OF LIMITS OF GRADING.
 4. SYNCOPATED SILT FENCE (TYPE B ECB) TO BE USED WITHIN PRIORITY HABITAT AREA AND 100' VP BZ. SEE DETAIL ON SHEET 124.

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]	TEMPORARY DISTURBANCE TO VEGETATED WETLAND
[Hatched Box]	TEMPORARY DISTURBANCE TO LAND UNDER WATER (LUW)
[Hatched Box]	TEMPORARY DISTURBANCE TO BANK
[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

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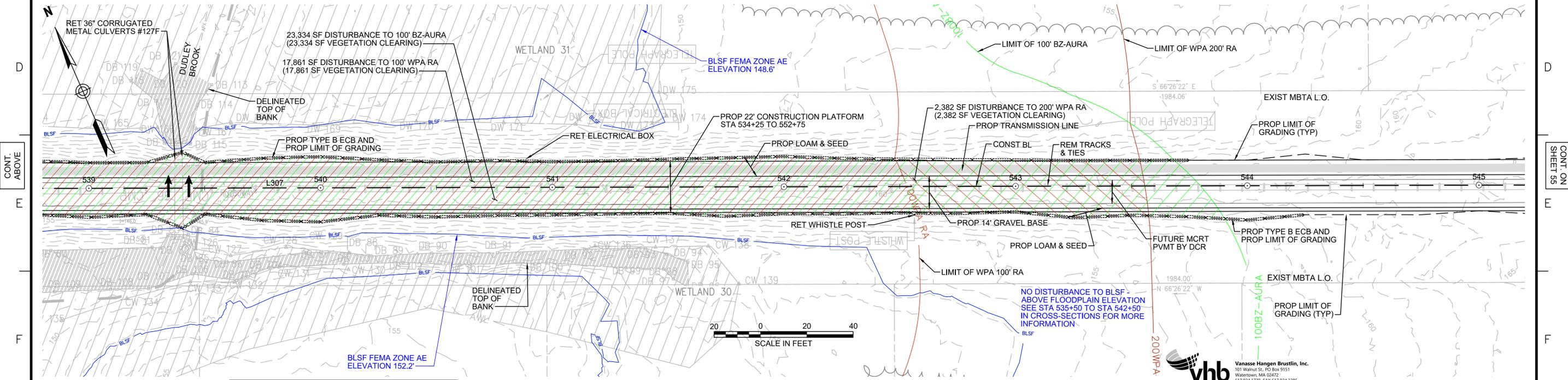
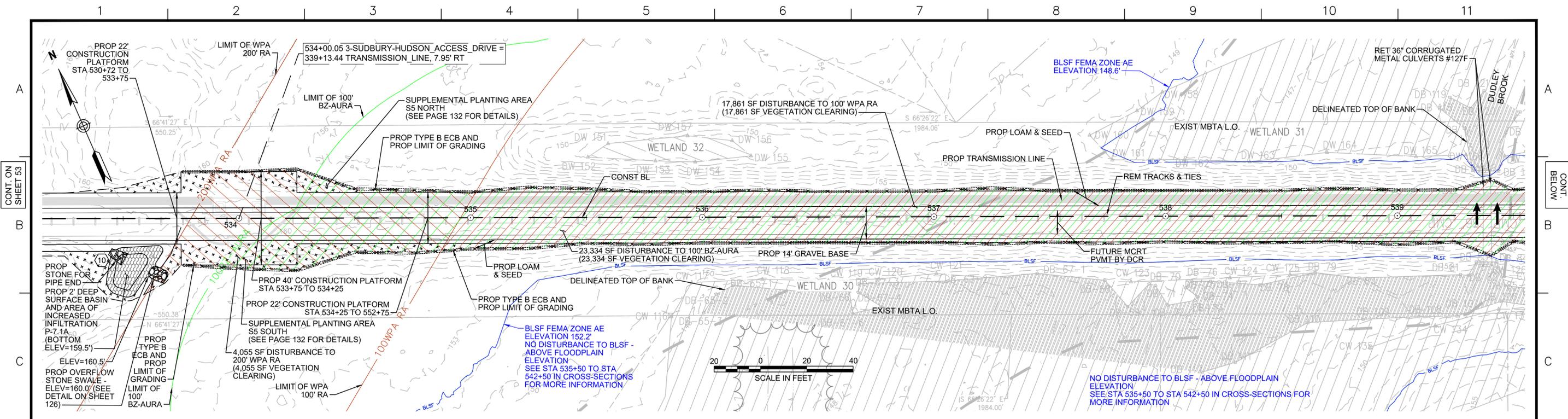
N.O.	DESCRIPTION	REVISION	BY	DATE	APPR.

EVERSOURCE

SUDBURY-HUDSON TRANSMISSION RELIABILITY PROJECT
 HUDSON, STOW, MARLBOROUGH & SUDBURY MASSACHUSETTS
 CONSTRUCTION PLANS

PLAN 51 OF 320

SCALE: unless noted 1"=20'	DATE JULY 2020	DRAWN MS	CHK'D. SK	A.P.P.R. MS	DRAWING NO. 	REV.
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NOTES:
 1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227)
 2. SYNCOPATED SILT FENCE (TYPE B ECB) TO BE USED WITHIN PRIORITY HABITAT AREA AND 100' VP BZ. SEE DETAIL ON SHEET 124.

ENVIRONMENTAL IMPACTS LEGEND	
HATCH	DESCRIPTION
	ISOLATED VEGETATED WETLAND
	BORDERING VEGETATED WETLAND
	LAND UNDER WATER
	VERNAL POOL
	PERMANENT DISTURBANCE TO VEGETATED WETLAND
	TEMPORARY DISTURBANCE TO VEGETATED WETLAND
	TEMPORARY DISTURBANCE TO LAND UNDER WATER (LUW)
	TEMPORARY DISTURBANCE TO BANK
	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

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N.O.	DESCRIPTION	BY	DATE	APPR.

EVERSOURCE

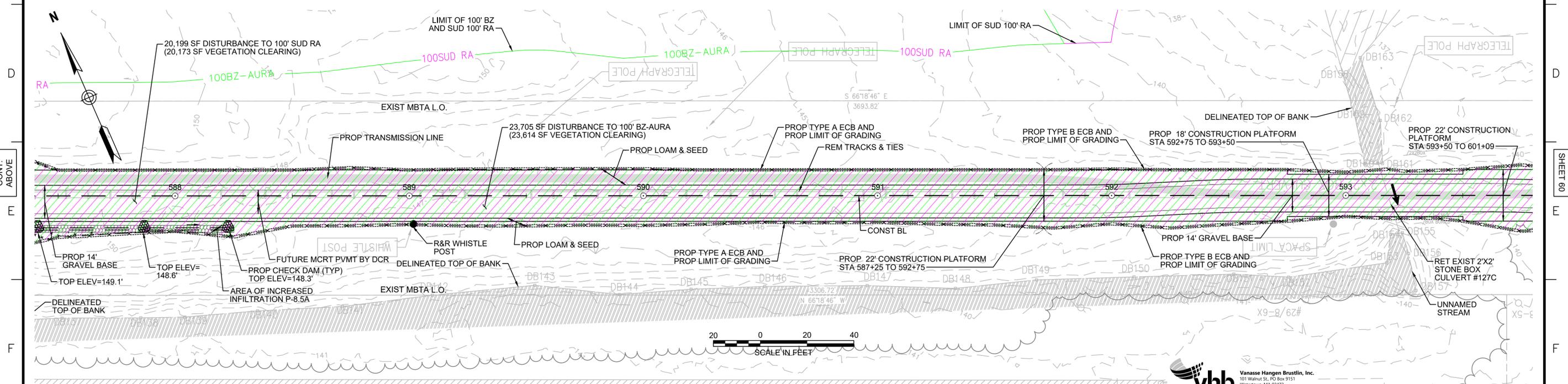
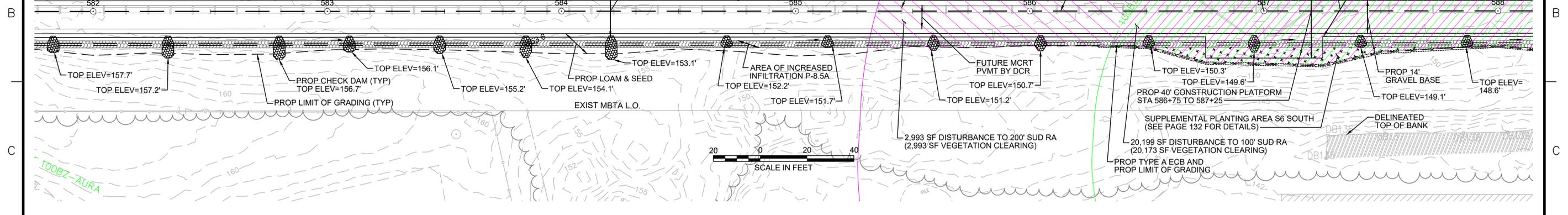
SUDBURY-HUDSON TRANSMISSION RELIABILITY PROJECT
 HUDSON, STOW, MARLBOROUGH & SUDBURY MASSACHUSETTS
 CONSTRUCTION PLANS

PLAN 54 OF 320

SCALE:	DATE	DRAWN	CHK'D.	APPR.	DRAWING NO.	REV.
1"=20'	AUGUST 2020	MS	SK	MS		

CONT. ON SHEET 58

CONT. BELOW



CONT. ABOVE

CONT. ON SHEET 60

NOTES:
 1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).
 2. SYNCOPATED SILT FENCE (TYPE B ECB) TO BE USED WITHIN PRIORITY HABITAT AREA AND 100' VP BZ. SEE DETAIL ON SHEET 124.

ENVIRONMENTAL IMPACTS LEGEND		ENVIRONMENTAL IMPACTS LEGEND	
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]	TEMPORARY DISTURBANCE TO VEGETATED WETLAND	[Hatch]	DISTURBANCE TO BLSF
[Hatch]	TEMPORARY DISTURBANCE TO LAND UNDER WATER (LUW)	[Hatch]	EXISTING TREE LINE
[Hatch]	TEMPORARY DISTURBANCE TO BANK	[Hatch]	LIMIT OF GRADING
[Hatch]	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)		

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N.O.	DESCRIPTION	BY	DATE	APPR.

EVERSOURCE

SUDBURY-HUDSON TRANSMISSION RELIABILITY PROJECT
 HUDSON, STOW, MARLBOROUGH & SUDBURY MASSACHUSETTS
 CONSTRUCTION PLANS

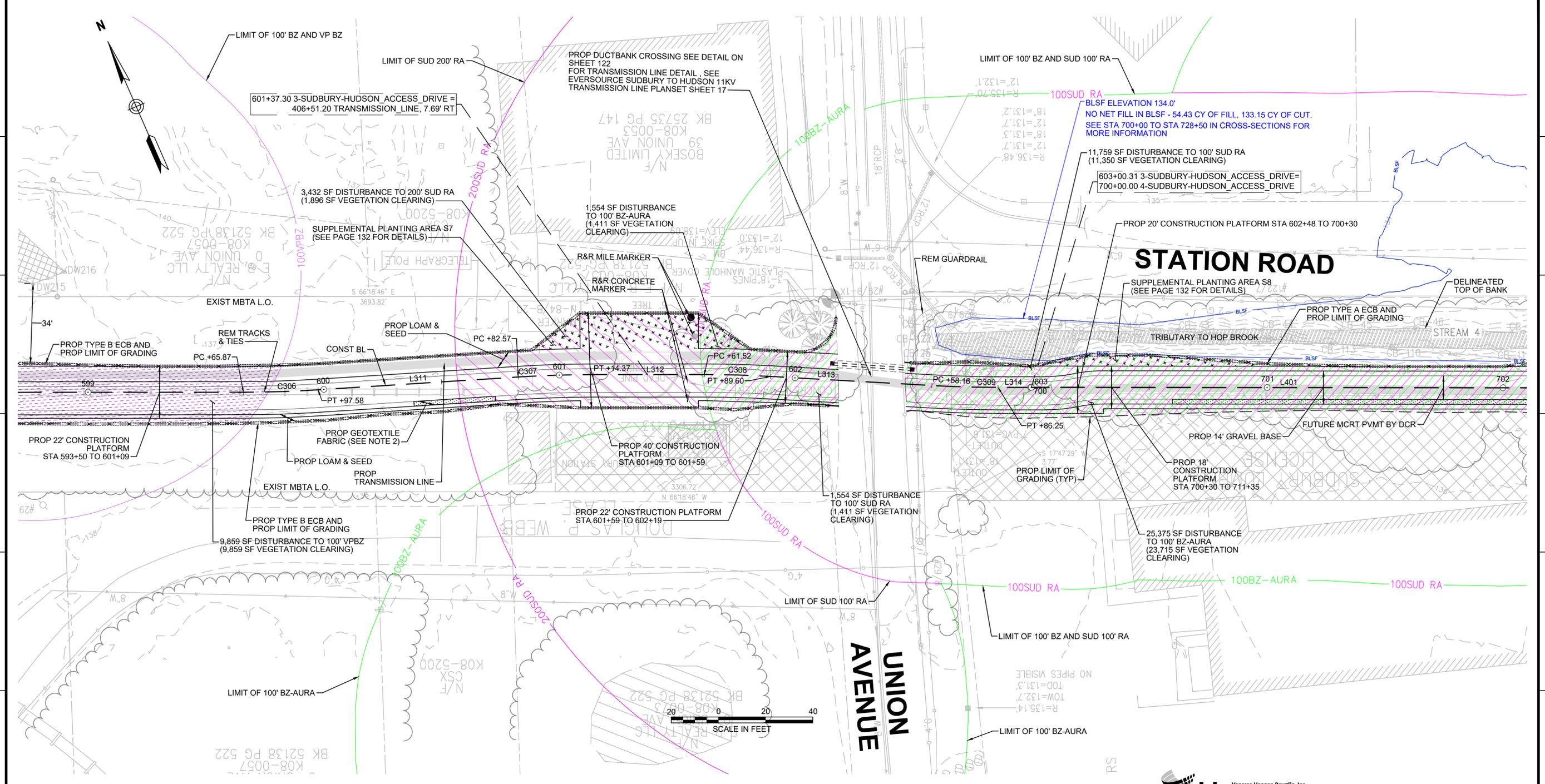
PLAN 59 OF 320

SCALE:	DATE	DRAWN	CHK'D.	APPR.	DRAWING NO.	REV.
1"=20'	JULY 2020	MS	SK	MS		

1 2 3 4 5 6 7 8 9 10 11

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- NOTES:**
1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).
 2. CONTRACTOR TO INSTALL GEOTEXTILE FABRIC UNDERNEATH 12" GRAVEL BORROW WITHIN LIMITS SHOWN.
 3. SYNCOPATED SILT FENCE (TYPE B ECB) TO BE USED WITHIN PRIORITY HABITAT AREA AND 100' VP BZ. SEE DETAIL ON SHEET 124.

ENVIRONMENTAL IMPACTS LEGEND		ENVIRONMENTAL IMPACTS LEGEND	
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]	TEMPORARY DISTURBANCE TO VEGETATED WETLAND	[Hatched Box]	DISTURBANCE TO BLSF
[Hatched Box]	TEMPORARY DISTURBANCE TO LAND UNDER WATER (LUW)	[Hatched Box]	EXISTING TREE LINE
[Hatched Box]	TEMPORARY DISTURBANCE TO BANK	[Hatched Box]	LIMIT OF GRADING
[Hatched Box]	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)		

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N.O.	DESCRIPTION	BY	DATE	APPR.

EVERSOURCE

SUDBURY-HUDSON TRANSMISSION RELIABILITY PROJECT
HUDSON, STOW, MARLBOROUGH & SUDBURY MASSACHUSETTS
CONSTRUCTION PLANS

PLAN 61 OF 320

SCALE: unless noted 1"=20'	DATE AUGUST 2020	DRAWN MS	CHK'D. SK	APPR. MS	DRAWING NO. 11	REV.
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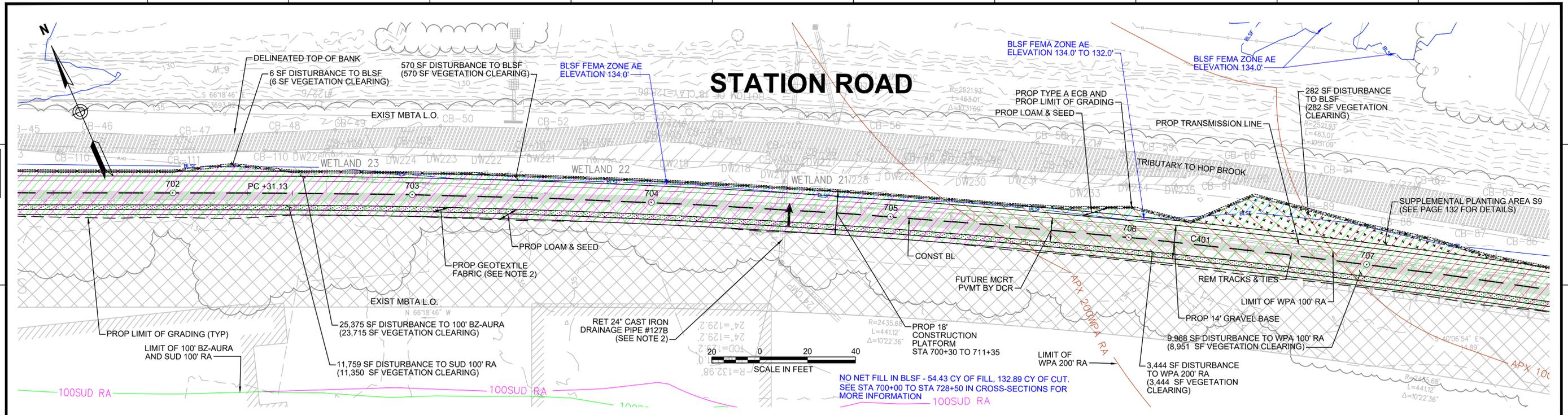
CONT. ON SHEET 60

CONT. ON SHEET 62

1 2 3 4 5 6 7 8 9 10 11

CONT. ON SHEET 61

CONT. ON SHEET 63



NO NET FILL IN BLSF - 54.43 CY OF FILL, 132.89 CY OF CUT.
SEE STA 700+00 TO STA 728+50 IN CROSS-SECTIONS FOR MORE INFORMATION

- NOTES:**
1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).
 2. TRANSMISSION LINE TO RUN UNDERNEATH DRAINAGE PIPE (SEE DETAIL ON SHEET 127).

ENVIRONMENTAL IMPACTS LEGEND	
HATCH	DESCRIPTION
	ISOLATED VEGETATED WETLAND
	BORDERING VEGETATED WETLAND
	LAND UNDER WATER
	VERNAL POOL
	PERMANENT DISTURBANCE TO VEGETATED WETLAND
	TEMPORARY DISTURBANCE TO VEGETATED WETLAND
	TEMPORARY DISTURBANCE TO LAND UNDER WATER (LUW)
	TEMPORARY DISTURBANCE TO BANK
	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

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N.O.	DESCRIPTION	BY	DATE	APPR.
	REVISION			

EVERSOURCE

SUDBURY-HUDSON TRANSMISSION RELIABILITY PROJECT
HUDSON, STOW, MARLBOROUGH & SUDBURY MASSACHUSETTS
CONSTRUCTION PLANS

PLAN 62 OF 320

SCALE: unless noted 1"=20'	DATE JULY 2020	DRAWN MS	CHK'D. SK	APPR. MS	DRAWING NO. REV.
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1 2 3 4 5 6 7 8 9 10 11

CONT. ON SHEET 61

CONT. ON SHEET 63

1 2 3 4 5 6 7 8 9 10 11

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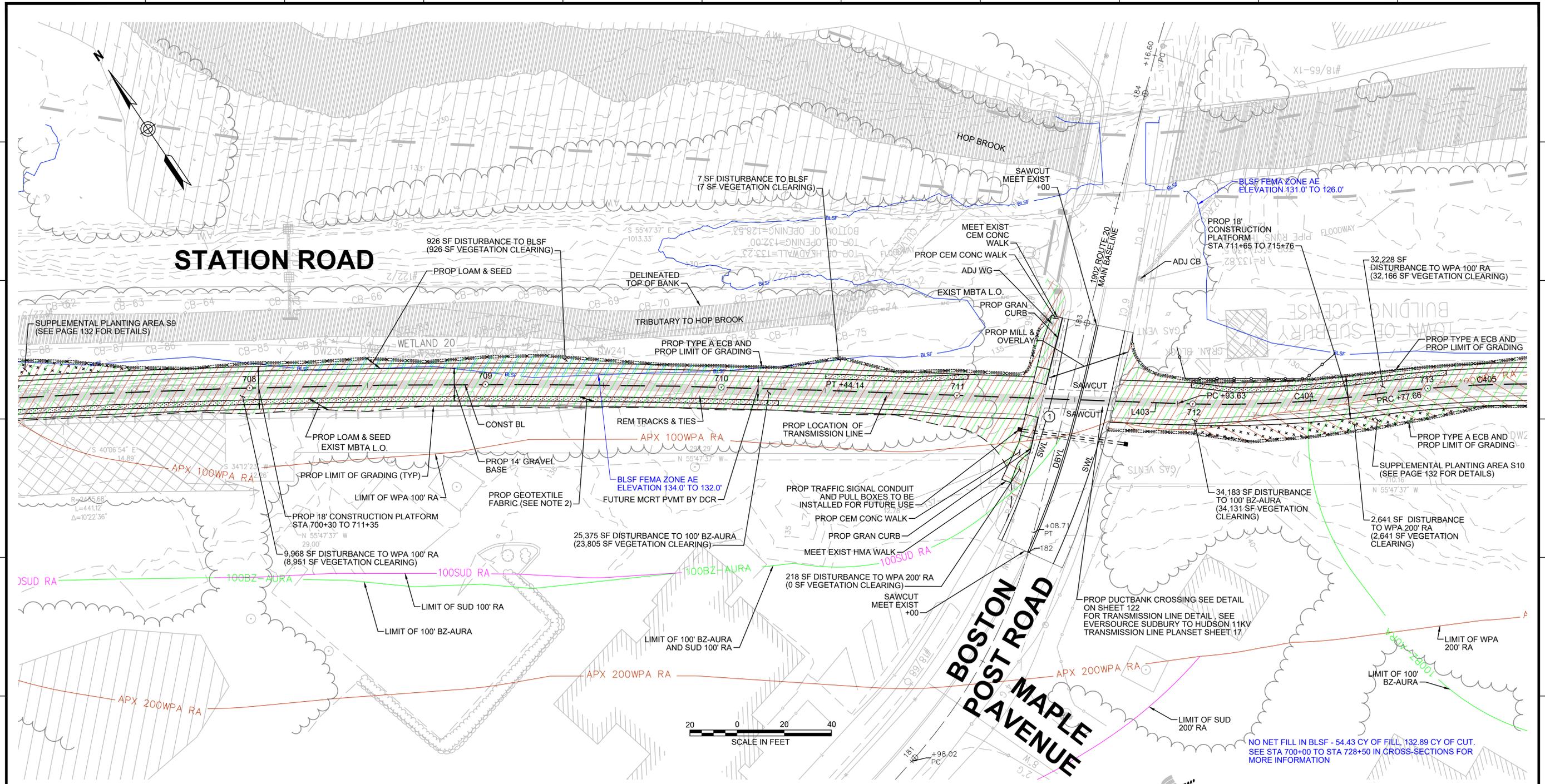
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CONT. ON SHEET 62

CONT. ON SHEET 64

STATION ROAD

**BOSTON POST ROAD
MAPLE AVENUE**

- NOTES:**
1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).
 2. CONTRACTOR TO INSTALL GEOTEXTILE FABRIC UNDERNEATH 12" GRAVEL BORROW WITHIN LIMITS SHOWN.
 3. MODIFY MASSDOT STD E404.6.0 SUCH THAT CEMENT CONCRETE BASE UNDER LATCH ROD IS 12" DEEP.

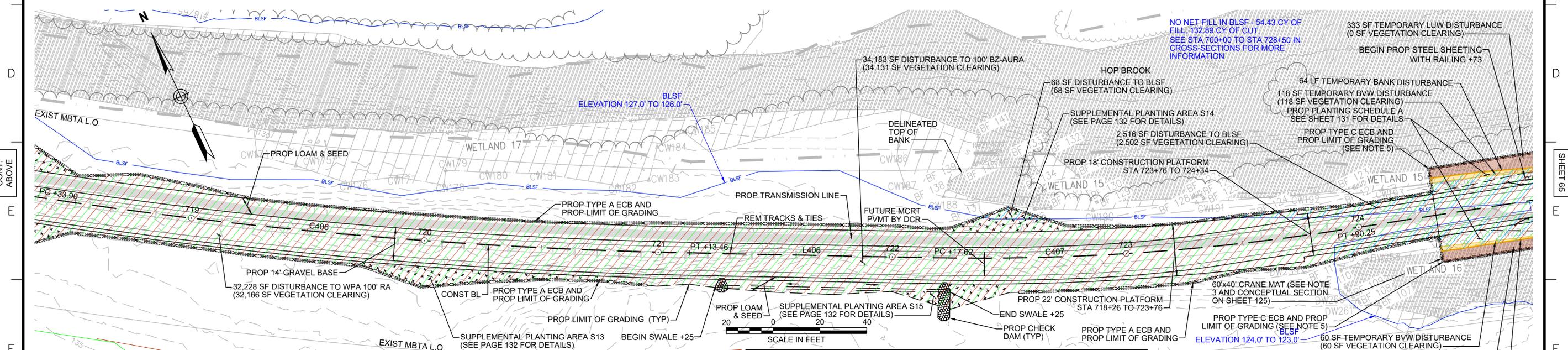
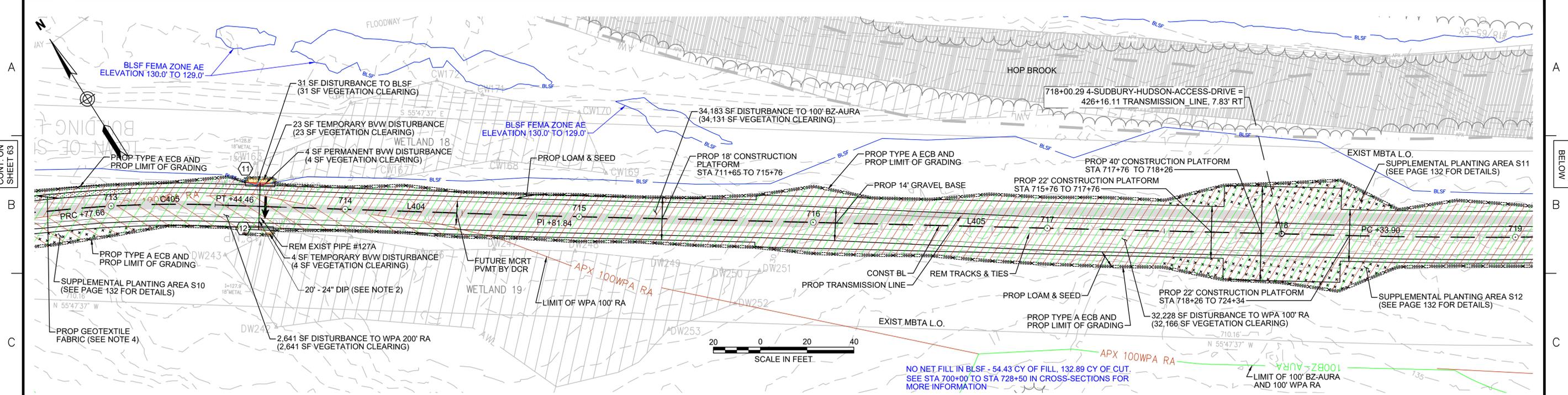
- LEGEND:**
- [X] WCR NUMBER
 - [X] ACCESS ROAD CROSSING NUMBER

ENVIRONMENTAL IMPACTS LEGEND		ENVIRONMENTAL IMPACTS LEGEND	
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]	TEMPORARY DISTURBANCE TO VEGETATED WETLAND	[Hatch]	DISTURBANCE TO BLSF
[Hatch]	TEMPORARY DISTURBANCE TO LAND UNDER WATER (LUW)	[Hatch]	EXISTING TREE LINE
[Hatch]	TEMPORARY DISTURBANCE TO BANK	[Hatch]	LIMIT OF GRADING
[Hatch]	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)		



N.O.	DESCRIPTION	BY	DATE	APPR.
REVISION				
EVERSOURCE				
SUDBURY-HUDSON TRANSMISSION RELIABILITY PROJECT				
HUDSON, STOW, MARLBOROUGH & SUDBURY MASSACHUSETTS				
CONSTRUCTION PLANS				
PLAN 63 OF 320				
SCALE: unless noted 1"=20'	DATE AUGUST 2020	DRAWN MS	CHK'D. SK	APPR. MS
DRAWING NO.				REV.

NO NET FILL IN BLSF - 54.43 CY OF FILL, 132.89 CY OF CUT. SEE STA 700+00 TO STA 728+50 IN CROSS-SECTIONS FOR MORE INFORMATION



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]	TEMPORARY DISTURBANCE TO VEGETATED WETLAND
[Hatched Box]	TEMPORARY DISTURBANCE TO LAND UNDER WATER (LUW)
[Hatched Box]	TEMPORARY DISTURBANCE TO BANK
[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

NO.	TYPE	STATION	RIM ELEV.	INV. IN	INV. OUT	REMARKS
11	Concrete Headwall	713+63, 10.0' LT		128.81'		18" REVEAL
12	Concrete Headwall	713+63, 10.0' RT		128.55'		18" REVEAL

- NOTES:**
1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).
 2. TRANSMISSION LINE TO RUN UNDERNEATH DRAINAGE PIPE.
 3. MAXIMUM CRANE PAD DIMENSIONS OF 40'X40' ARE ALLOWED AT ANY GIVEN TIME. A LONGER CRANE MAT FOOTPRINT IS SHOWN HERE TO ALLOW THE CRANE MAT LOCATION TO BE SHIFTED DURING CONSTRUCTION OF THE STEEL SHEETING AND BRIDGE.
 4. CONTRACTOR TO INSTALL GEOTEXTILE FABRIC UNDERNEATH 12" GRAVEL BORROW WITHIN LIMITS SHOWN.
 5. TYPE C ECB SHALL CONSIST OF EITHER STAKED 4' HIGH SILT FENCE OR BOTTOM-ANCHORED TURBIDITY CURTAIN DEPENDING ON WATER LEVELS AT THE TIME OF CONSTRUCTION. THE APPROPRIATE ECB SHALL BE INSTALLED AT THE DIRECTION OF THE ENVIRONMENTAL MONITOR.

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NO.	DESCRIPTION	REVISION	BY	DATE	APPR.

EVERSOURCE

SUDBURY-HUDSON TRANSMISSION RELIABILITY PROJECT
 HUDSON, STOW, MARLBOROUGH & SUDBURY MASSACHUSETTS
 CONSTRUCTION PLANS
 PLAN 64 OF 320

SCALE:	DATE	DRAWN	CHK'D.	APPR.	DRAWING NO.	REV.
1"=20'	JULY 2020	MS	SK	MS		

CONT. ON SHEET 64

CONT. BELOW

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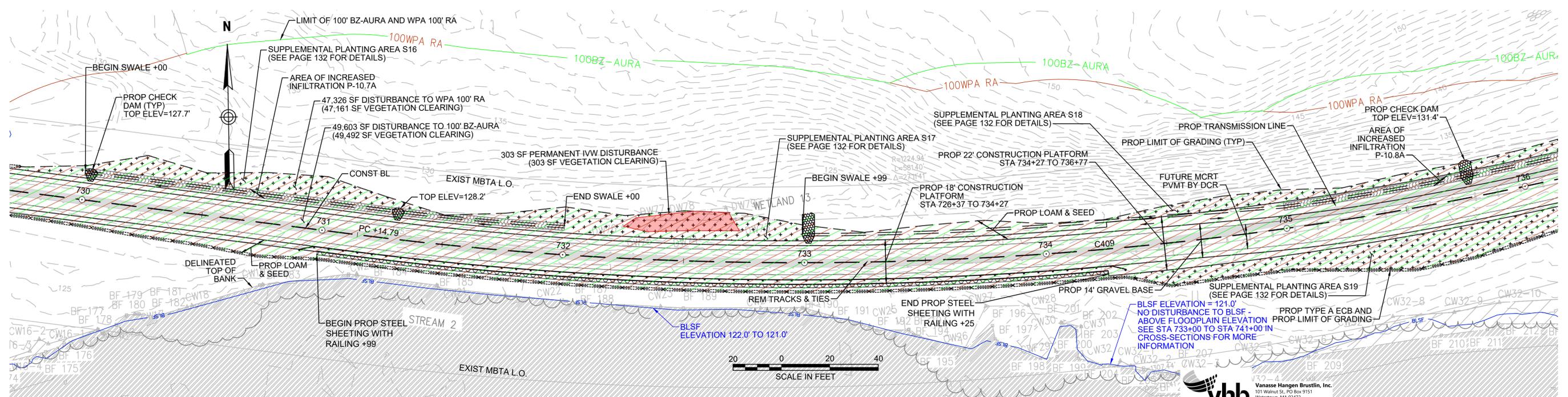
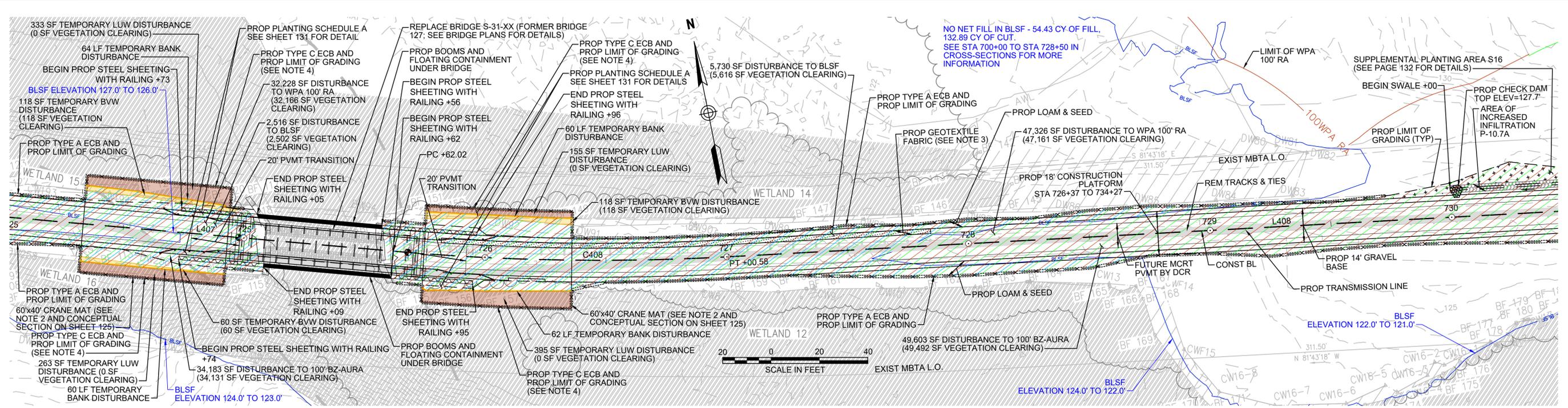
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- NOTES:**
1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).
 2. MAXIMUM CRANE PAD DIMENSIONS OF 40'x40' ARE ALLOWED AT ANY GIVEN TIME. A LONGER CRANE MAT FOOTPRINT IS SHOWN HERE TO ALLOW THE CRANE MAT LOCATION TO BE SHIFTED DURING CONSTRUCTION OF THE STEEL SHEETING AND BRIDGE. CONTRACTOR TO INSTALL GEOTEXTILE FABRIC UNDERNEATH 12" GRAVEL BORROW WITHIN LIMITS SHOWN.
 3. TYPE C ECB SHALL CONSIST OF EITHER STAKED 4' HIGH SILT FENCE OR BOTTOM-ANCHORED TURBIDITY CURTAIN DEPENDING ON WATER LEVELS AT THE TIME OF CONSTRUCTION. THE APPROPRIATE ECB SHALL BE INSTALLED AT THE DIRECTION OF THE ENVIRONMENTAL MONITOR.

ENVIRONMENTAL IMPACTS LEGEND		ENVIRONMENTAL IMPACTS LEGEND	
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]	TEMPORARY DISTURBANCE TO VEGETATED WETLAND	[Hatch]	DISTURBANCE TO BLSF
[Hatch]	TEMPORARY DISTURBANCE TO LAND UNDER WATER (LUW)	[Hatch]	EXISTING TREE LINE
[Hatch]	TEMPORARY DISTURBANCE TO BANK	[Hatch]	LIMIT OF GRADING
[Hatch]	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)		



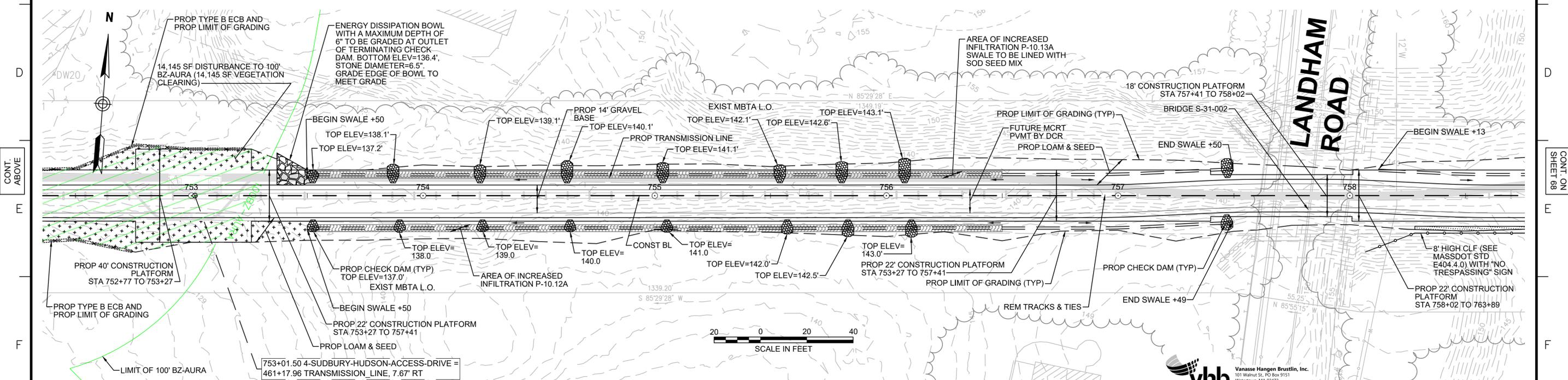
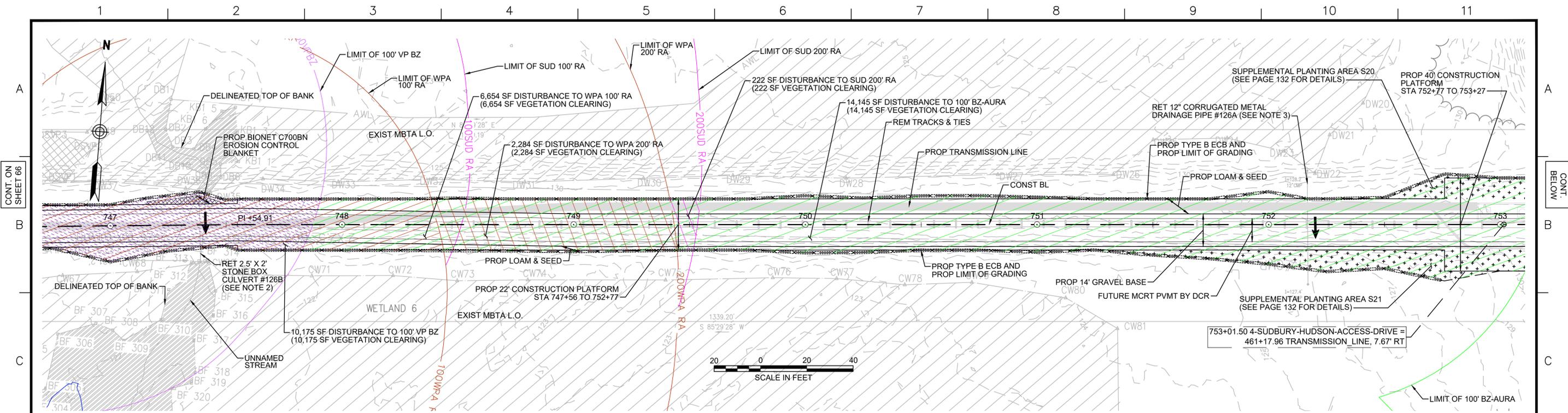
REVISION			
N.O.	DESCRIPTION	BY	DATE

EVERSOURCE

SUDBURY-HUDSON TRANSMISSION RELIABILITY PROJECT
 HUDSON, STOW, MARLBOROUGH & SUDBURY MASSACHUSETTS
 CONSTRUCTION PLANS

PLAN 65 OF 320

SCALE: unless noted 1"=20'	DATE AUGUST 2020	DRAWN MS	CHK'D. SK	APPR. MS	DRAWING NO.	REV.
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- NOTES:**
1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).
 2. CONTRACTOR TO CUT VEGETATION ON NORTHEAST WINGWALL OF STONE BOX CULVERT. NO GRUBBING SHALL BE PERFORMED OUTSIDE LIMITS OF GRADING.
 3. CONTRACTOR TO CLEAR SEDIMENT IN DRAINAGE PIPE BY HAND.
 4. SYNCOPATED SILT FENCE (TYPE B ECB) TO BE USED WITHIN PRIORITY HABITAT AREA AND 100' VP BZ. SEE DETAIL ON SHEET 124.

ENVIRONMENTAL IMPACTS LEGEND	
HATCH	DESCRIPTION
	ISOLATED VEGETATED WETLAND
	BORDERING VEGETATED WETLAND
	LAND UNDER WATER
	VERNAL POOL
	PERMANENT DISTURBANCE TO VEGETATED WETLAND
	TEMPORARY DISTURBANCE TO VEGETATED WETLAND
	TEMPORARY DISTURBANCE TO LAND UNDER WATER (LUW)
	TEMPORARY DISTURBANCE TO BANK
	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

vhb Vanasse Hangen Brustlin, Inc.
101 Walnut St., PO Box 9151
Watertown, MA 02472
617.924.1770 FAX 617.924.2286

N.O.	DESCRIPTION	REVISION	BY	DATE	APPR.

EVERSOURCE

SUDBURY-HUDSON TRANSMISSION RELIABILITY PROJECT
HUDSON, STOW, MARLBOROUGH & SUDBURY MASSACHUSETTS
CONSTRUCTION PLANS

PLAN 67 OF 320

SCALE: unless noted 1"=20'	DATE AUGUST 2020	DRAWN MS	CHK'D. SK	A.P.P.R. MS	DRAWING NO.	REV.
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1 2 3 4 5 6 7 8 9 10 11

CONT. ON SHEET 67

CONT. BELOW

B

B

C

C

CONT. ABOVE

CONT. BELOW

E

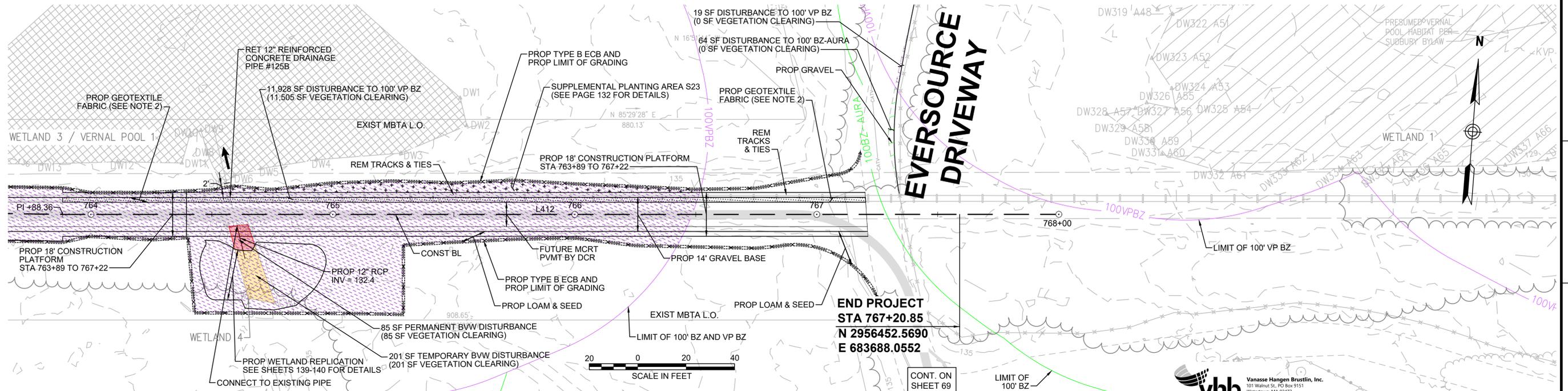
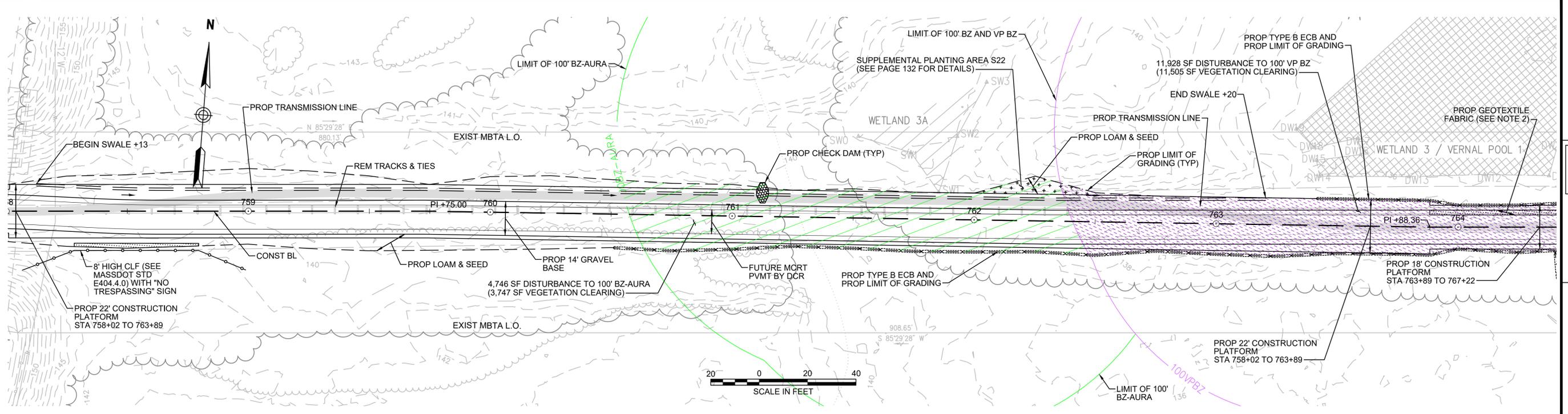
E

F

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G

G



END PROJECT
STA 767+20.85
N 2956452.5690
E 683688.0552

- NOTES:**
1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227). CONTRACTOR TO INSTALL GEOTEXTILE FABRIC UNDERNEATH 12" GRAVEL BORROW WITHIN LIMITS SHOWN.
 2. SYNCOPATED SILT FENCE (TYPE B ECB) TO BE USED WITHIN PRIORITY HABITAT AREA AND 100' VP BZ. SEE DETAIL ON SHEET 124.

ENVIRONMENTAL IMPACTS LEGEND		ENVIRONMENTAL IMPACTS LEGEND	
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]	TEMPORARY DISTURBANCE TO VEGETATED WETLAND	[Hatch]	DISTURBANCE TO BLSF
[Hatch]	TEMPORARY DISTURBANCE TO LAND UNDER WATER (LUW)	[Hatch]	EXISTING TREE LINE
[Hatch]	TEMPORARY DISTURBANCE TO BANK	[Hatch]	LIMIT OF GRADING
[Hatch]	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)		



N.O.	DESCRIPTION	BY	DATE	APPR.

EVERSOURCE

SUDBURY-HUDSON TRANSMISSION RELIABILITY PROJECT
 HUDSON, STOW, MARLBOROUGH & SUDBURY MASSACHUSETTS
 CONSTRUCTION PLANS

PLAN 68 OF 320

SCALE:	DATE	DRAWN	CHK'D.	APPR.	DRAWING NO.	REV.
1"=20'	JULY 2020	MS	SK	MS		

1 2 3 4 5 6 7 8 9 10 11

PLANTING SCHEDULE A: GENERAL CONSTRUCTION CORRIDOR

HERBACEOUS SEED MIX		
SPECIES	WETLAND STATUS	%
VIRGINIA WILD RYE (<i>ELYMUS VIRGINICUS</i>)	FACW	25.00
CANADA WILD RYE (<i>ELYMUS CANADENSIS</i>)	FACU	25.00
LITTLE BLUESTEM (<i>SCHIZACHYRIUM SCOPARIUM</i>)	FACU	25.00
DEER-TONGUE GRASS (<i>DICHANTHELIUM CLANDESTINUM</i>)	FACW	8.00
UPLAND BENTGRASS (<i>AGROSTIS PERENNANS</i>)	FACU	8.00
FOX SEDGE (<i>CAREX VULPINOIDEA</i>)	OBL	2.00
PATH RUSH (<i>JUNCUS TENUIUS</i>)	FAC	2.00
SOFT RUSH (<i>JUNCUS EFFUSUS</i>)	OBL	0.10
BEARD-TONGUE (<i>PENSTEMON DIGITALIS</i>)	FAC	2.00
NEW ENGLAND ASTER (<i>SYMPHYOTRICHUM NOVAE-ANGLIAE</i>)	FACW	1.00
WOODLAND GOLDENROD (<i>SOLIDAGO CAESIA</i>)	FACU	0.50
BLUE WOOD ASTER (<i>SYMPHYOTRICHUM CORDIFOLIUM</i>)	UPL	0.50
JOE-PYE WEED (<i>EUTROCHIIUM MACULATUM</i>)	OBL	0.30
WHITE AVENS (<i>GEUM CANADENSE</i>)	FAC	0.30
RIGID GOLDENROD (<i>OLIGONEURON RIGIDUM</i>)	UPL	0.30

SHRUB SEED MIX		
SPECIES	WETLAND STATUS	LBS/AC
ALTERNATE-LEAVED DOGWOOD (<i>SWIDA ALTERNIFOLIA</i>)	FACU	2.00
AMERICAN HAZELNUT (<i>CORYLUS AMERICANA</i>)	FACU	2.00
ARROWWOOD (<i>VIBURNUM DENTATUM</i>)	FAC	2.00
NANNYBERRY (<i>VIBURNUM LENTAGO</i>)	FAC	2.00

PLANTING NOTES:

- ADD SHRUB SEED MIX TO HERBACEOUS SEED MIX.
- ANY PROPOSED PLANT SUBSTITUTIONS MUST BE REVIEWED BY LANDSCAPE ARCHITECT AND APPROVED IN WRITING BY THE ENVIRONMENTAL MONITOR.
- ONLY SPECIES ARE ALLOWED (NO HORTICULTURAL CULTIVARS OR VARIETIES).
- SEED MIX AND PLANT STOCK SHALL BE OBTAINED FROM A NURSERY THAT SPECIALIZES IN NATIVE ECOLOGICAL PLANTINGS. PLANT STOCK SHALL BE SUPPLIED IN A PLANTING-READY CONDITION. ALL MATERIALS MUST BE INSPECTED AND APPROVED BY THE ENVIRONMENTAL MONITOR PRIOR TO BEING PLANTED. IF NOT PLANTED WITHIN 12 HOURS FROM WHEN THEY WERE COLLECTED, PLANTS SHALL BE STORED IN ACCORDANCE WITH RECOMMENDATIONS PROVIDED BY THE NURSERY.
- PLANT STOCK WILL BE INSTALLED IN HAND-DUG HOLES IN LOCATIONS TO BE DETERMINED BY ENVIRONMENTAL MONITOR.
- A 3-INCH DEEP MULCH PER SPECIFICATION SHALL BE INSTALLED UNDER ALL TREES AND SHRUBS, AND IN ALL PLANTINGS BEDS, UNLESS OTHERWISE INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENVIRONMENTAL MONITOR.
- NO FERTILIZERS SHALL BE APPLIED.
- NO PLANT MATERIALS SHALL BE INSTALLED UNTIL ALL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA. CONTRACTOR SHALL NOTIFY THE ENVIRONMENTAL MONITOR OF ANY CONFLICT.
- ALL PLANT MATERIALS INSTALLED SHALL MEET THE SPECIFICATIONS OF THE "AMERICAN STANDARDS FOR NURSERY STOCK" BY THE AMERICAN ASSOCIATION OF NURSERYMEN AND CONTRACT DOCUMENTS.
- ALL PLANT MATERIALS SHALL BE GUARANTEED FOR ONE YEAR FOLLOWING DATE OF FINAL ACCEPTANCE.

PLANT MAINTENANCE NOTES:

- CONTRACTOR SHALL PROVIDE COMPLETE MAINTENANCE OF SEEDED AREAS AND PLANTINGS. NO IRRIGATION IS PROPOSED FOR THIS SITE. THE CONTRACTOR SHALL SUPPLY SUPPLEMENTAL WATERING FOR SEEDED AREAS AND PLANTINGS DURING THE ONE YEAR PLANT GUARANTEE PERIOD.
- CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR, AND EQUIPMENT FOR THE COMPLETE LANDSCAPE MAINTENANCE WORK. WATER SHALL BE PROVIDED BY THE CONTRACTOR.
- WATERING SHALL BE REQUIRED DURING THE GROWING SEASON, WHEN NATURAL RAINFALL IS BELOW ONE INCH PER WEEK.
- WATER SHALL BE APPLIED IN SUFFICIENT QUANTITY TO THOROUGHLY SATURATE THE SOIL IN THE ROOT ZONE OF EACH PLANT.
- PROTECT PLANTING AREAS AND PLANTS AGAINST TRESPASSING AND DAMAGE OF ALL KINDS FOR THE DURATION OF THE MAINTENANCE PERIOD. IF ANY PLANTS BECOME DAMAGED OR INJURED, THEY SHALL BE TREATED OR REPLACED AS REQUIRED.
- CONTRACTOR SHALL REPLACE DEAD OR DYING PLANTS AT THE END OF THE ONE YEAR GUARANTEE PERIOD. CONTRACTOR SHALL TURN OVER MAINTENANCE TO THE FACILITY MAINTENANCE STAFF AT THAT TIME.

PLANTING SCHEDULE B: PRIORITY HABITAT

STATIONS 337+25 TO 340+00, 340+00 TO 348+00, 348+00 TO 352+00, 352+00 TO 356+00, 356+00 TO 361+00, 361+00 TO 361+55, 361+55 TO 361+75

PRIORITY HABITAT PLANTINGS				
SPECIES	WETLAND STATUS	PLANT TYPE	PLANT SIZE	DENSITY/SPACING
BLACK HUCKLEBERRY (<i>GAYLUSSACIA BACCATA</i>)	FACU	LOW-GROWING SHRUB		1 PER 2' - 3' / 2.5'
PENNSYLVANIA SEDGE (<i>CAREX PENNSYLVANICA</i>)	UPL	HERBACEOUS		1 PER SF / 10" - 12"
SWEET FERN (<i>COMPTONIA PEREGRINA</i>)	UPL	LOW-GROWING SHRUB		1 PER 2'-3' / 2.5'
LOWBUSH BLUEBERRY (<i>VACCINIUM ANGUSTIFOLIUM</i>)	FACU	LOW-GROWING SHRUB		1 PER 12" / 10" - 12"
STATION	BLACK HUCKLEBERRY (<i>GAYLUSSACIA BACCATA</i>)	PENNSYLVANIA SEDGE (<i>CAREX PENNSYLVANICA</i>)	SWEET FERN (<i>COMPTONIA PEREGRINA</i>)	LOWBUSH BLUEBERRY (<i>VACCINIUM ANGUSTIFOLIUM</i>)
337+25 TO 340+00	Y	Y	N	N
340+00 TO 348+00	N	Y	N	N
348+00 TO 352+00	Y	N	N	N
352+00 TO 356+00	N	Y	N	N
356+00 TO 361+00	Y	Y	N	N
361+00 TO 361+55	N	Y	N	N
361+55 TO 363+00	N	N	Y	Y
363+00 TO 370+00	N	Y	N	Y
370+00 TO 372+00	Y	N	N	N
372+00 TO 375+00	N	Y	N	N
375+00 TO 376+50	Y	N	N	N
380+00 TO 384+00	Y	Y	N	N
392+00 TO 396+00	N	N	Y	Y
396+00 TO 400+20	Y	Y	N	N

PLANTING NOTES:

- ADD SHRUB SEED MIX TO HERBACEOUS SEED MIX.
- ANY PROPOSED PLANT SUBSTITUTIONS MUST BE REVIEWED BY LANDSCAPE ARCHITECT AND APPROVED IN WRITING BY THE ENVIRONMENTAL MONITOR.
- ONLY SPECIES ARE ALLOWED (NO HORTICULTURAL CULTIVARS OR VARIETIES).
- SEED MIX AND PLANT STOCK SHALL BE OBTAINED FROM A NURSERY THAT SPECIALIZES IN NATIVE ECOLOGICAL PLANTINGS. PLANT STOCK SHALL BE SUPPLIED IN A PLANTING-READY CONDITION. ALL MATERIALS MUST BE INSPECTED AND APPROVED BY THE ENVIRONMENTAL MONITOR PRIOR TO BEING PLANTED. IF NOT PLANTED WITHIN 12 HOURS FROM WHEN THEY WERE COLLECTED, PLANTS SHALL BE STORED IN ACCORDANCE WITH RECOMMENDATIONS PROVIDED BY THE NURSERY.
- PLANT STOCK WILL BE INSTALLED IN HAND-DUG HOLES IN LOCATIONS TO BE DETERMINED BY ENVIRONMENTAL MONITOR.
- A 3-INCH DEEP MULCH PER SPECIFICATION SHALL BE INSTALLED UNDER ALL TREES AND SHRUBS, AND IN ALL PLANTINGS BEDS, UNLESS OTHERWISE INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENVIRONMENTAL MONITOR.
- NO FERTILIZERS SHALL BE APPLIED.
- NO PLANT MATERIALS SHALL BE INSTALLED UNTIL ALL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA. CONTRACTOR SHALL NOTIFY THE ENVIRONMENTAL MONITOR OF ANY CONFLICT.
- ALL PLANT MATERIALS INSTALLED SHALL MEET THE SPECIFICATIONS OF THE "AMERICAN STANDARDS FOR NURSERY STOCK" BY THE AMERICAN ASSOCIATION OF NURSERYMEN AND CONTRACT DOCUMENTS.
- ALL PLANT MATERIALS SHALL BE GUARANTEED FOR ONE YEAR FOLLOWING DATE OF FINAL ACCEPTANCE.

PLANT MAINTENANCE NOTES:

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- PROTECT PLANTING AREAS AND PLANTS AGAINST TRESPASSING AND DAMAGE OF ALL KINDS FOR THE DURATION OF THE MAINTENANCE PERIOD. IF ANY PLANTS BECOME DAMAGED OR INJURED, THEY SHALL BE TREATED OR REPLACED AS REQUIRED.
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SEED MIX
USE SEED MIX SPECIFIED FOR PLANTING SCHEDULE A.

N.O.	DESCRIPTION	BY	DATE	APPR.
REVISION				
EVERSOURCE				
SUDBURY-HUDSON TRANSMISSION RELIABILITY PROJECT				
HUDSON, STOW, MARLBOROUGH & SUDBURY MASSACHUSETTS				
CONSTRUCTION DETAILS				
PLAN 131 OF 320				
SCALE: unless noted NTS	DATE DRAWN AUGUST 2020	CHK'D. MS	APPR. SK	DRAWING NO. REV. MES

PLANTING SCHEDULE C: SUPPLEMENTAL PLANTING AREAS

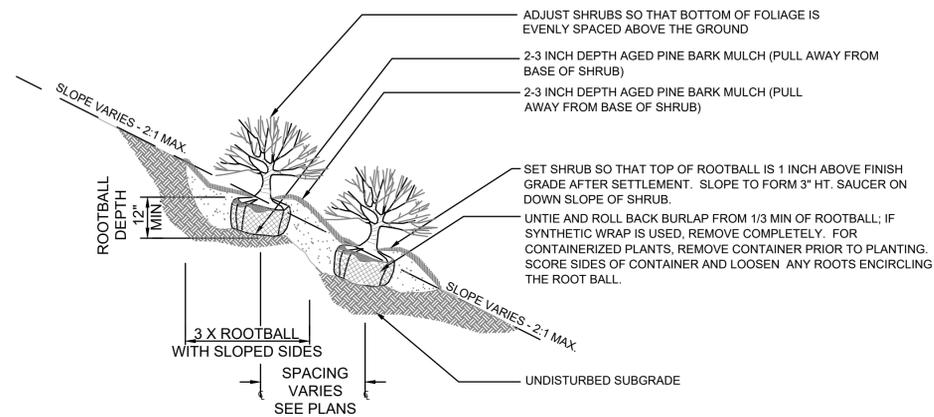
SPECIES	WETLAND STATUS	SPACING	PLANT SIZE	SUPPLEMENTAL PLANTINGS																				H1	H2	H3	H4 NORTH	H4 SOUTH	H5 NORTH	H5 SOUTH						
				S1	S2	S3 NORTH	S3 SOUTH	S4	S5 NORTH	S5 SOUTH	S6 NORTH	S6 SOUTH	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17								S18	S19	S20	S21	S22	S23
SUMMERSWEET CLETHRA (<i>CLETHRA ALNIFOLIA</i>)	FAC	48" O.C.	2' - 3'			16	23		12	20	12	10	18	5	16	10	14	15	8	6	4	15	18	30	100	11	28	3	11	58	26	30	12	9	14	15
ALTERNATE-LEAVED DOGWOOD (<i>SWIDA ALTERNIFOLIA</i>)	FACU	48" O.C.	24" - 30"	10	4	16	23	5	12	20	12	10	18	5	16	10	14	15	8	6	4	15	18	30	100	11	28	3	11	58	26	30	12	9	14	15
NORTHERN BAYBERRY (<i>MYRICA PENNSYLVANICA</i>)	FAC	48" O.C.	2' - 3'	10	4	16	23	5	12	20	12	10	18	5	16	10	14	15	8	6	4	15	18	30	100	11	28	3	11	58	26	30	12	9	14	15
AMERICAN HAZELNUT (<i>CORYLUS AMERICANA</i>)	FACU	48" O.C.	2' - 3'	10	4	16	23		12	20	12	10	18	5	16	10	14	15	8	6	4	15	18	30	100	11	28	3	11	58	26	30	12	9	14	15

PLANTING NOTES:

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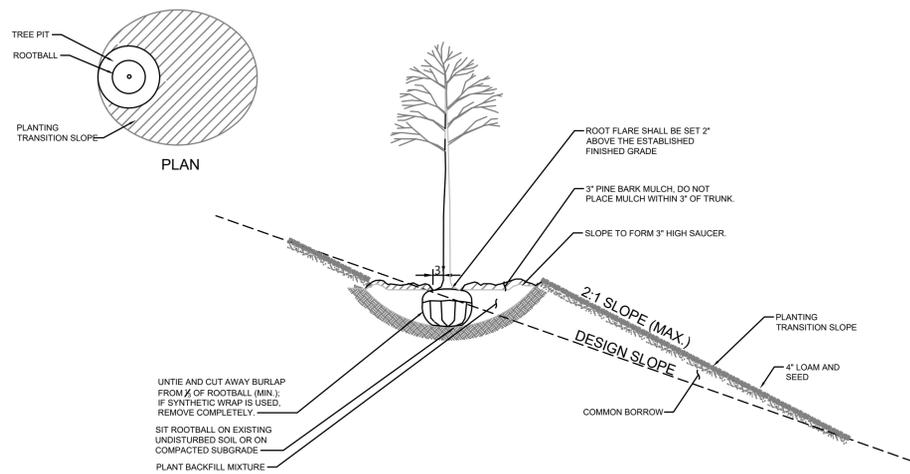
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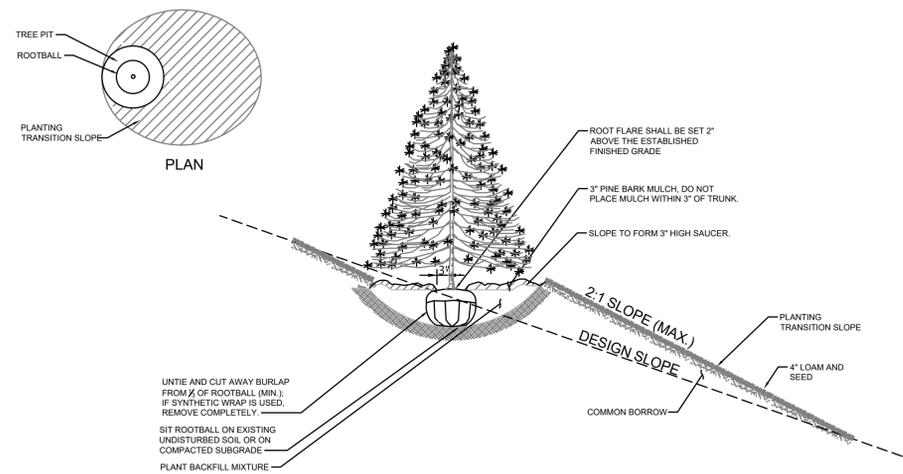
SHRUB PLANTING ON SLOPE

SCALE: N.T.S.



DECIDUOUS TREE PLANTING ON SLOPE

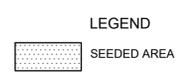
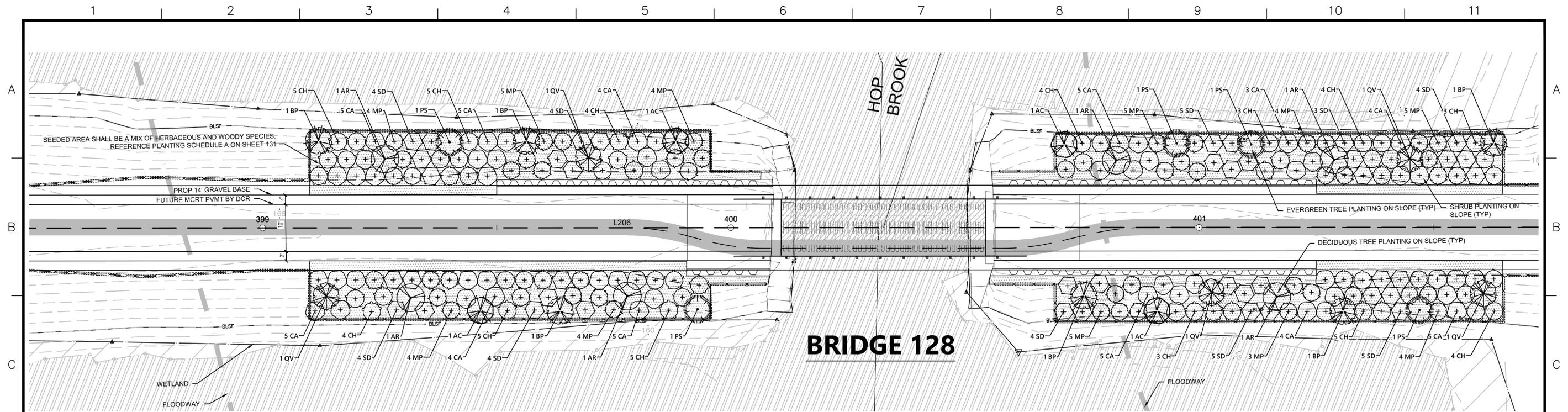
SCALE: N.T.S.



EVERGREEN TREE PLANTING ON SLOPE

SCALE: N.T.S.

NO.	DESCRIPTION	BY	DATE	APPR.
REVISION				
EVERSOURCE				
SUDBURY-HUDSON TRANSMISSION RELIABILITY PROJECT				
HUDSON, STOW, MARLBOROUGH & SUDBURY MASSACHUSETTS				
CONSTRUCTION DETAILS				
PLAN 132 OF 320				
SCALE: unless noted NTS	DATE AUGUST 2020	DRAWN MS	CHK'D. SK	APPR. MES
DRAWING NO.	REV.			



PLANT SCHEDULE WEST SIDE

DECIDUOUS TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	WETLAND STATUS
AR	3	Acer rubrum	Red Maple	1 1/2" CAL	FAC
AC	2	Amelanchier canadensis	Serviceberry	10 - 12' HT./Multi-Stem	FAC
BP	3	Betula populifolia	Gray Birch	10 - 12' HT./Multi-Stem	FAC
QV	2	Quercus velutina	Black Oak	1 1/2" CAL	UPL
EVERGREEN TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	WETLAND STATUS
PS	2	Pinus strobus	White Pine	7 - 8' HT.	FACU
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
CA	28	Clethra alnifolia	Summersweet Clethra	2 - 3' HT.	48" o.c. FAC
CH	28	Corylus americana	American Hazelnut	2 - 3' HT.	48" o.c. FACU
MP	21	Myrica pensylvanica	Northern Bayberry	2 - 3' HT.	48" o.c. FAC
SD	16	Swida alternifolia	Alternate-Leaved Dogwood	24 - 30" HT.	48" o.c. FACU

PLANT SCHEDULE EAST SIDE

DECIDUOUS TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	WETLAND STATUS
AR	3	Acer rubrum	Red Maple	1 1/2" CAL	FAC
AC	2	Amelanchier canadensis	Serviceberry	10 - 12' HT./Multi-Stem	FAC
BP	3	Betula populifolia	Gray Birch	10 - 12' HT./Multi-Stem	FAC
QV	3	Quercus velutina	Black Oak	1 1/2" CAL	UPL
EVERGREEN TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	WETLAND STATUS
PS	3	Pinus strobus	White Pine	7 - 8' HT.	FACU
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
CA	26	Clethra alnifolia	Summersweet Clethra	2 - 3' HT.	48" o.c. FAC
CH	26	Corylus americana	American Hazelnut	2 - 3' HT.	48" o.c. FACU
MP	26	Myrica pensylvanica	Northern Bayberry	2 - 3' HT.	48" o.c. FAC
SD	26	Swida alternifolia	Alternate-Leaved Dogwood	24 - 30" HT.	48" o.c. FACU

Planting Notes

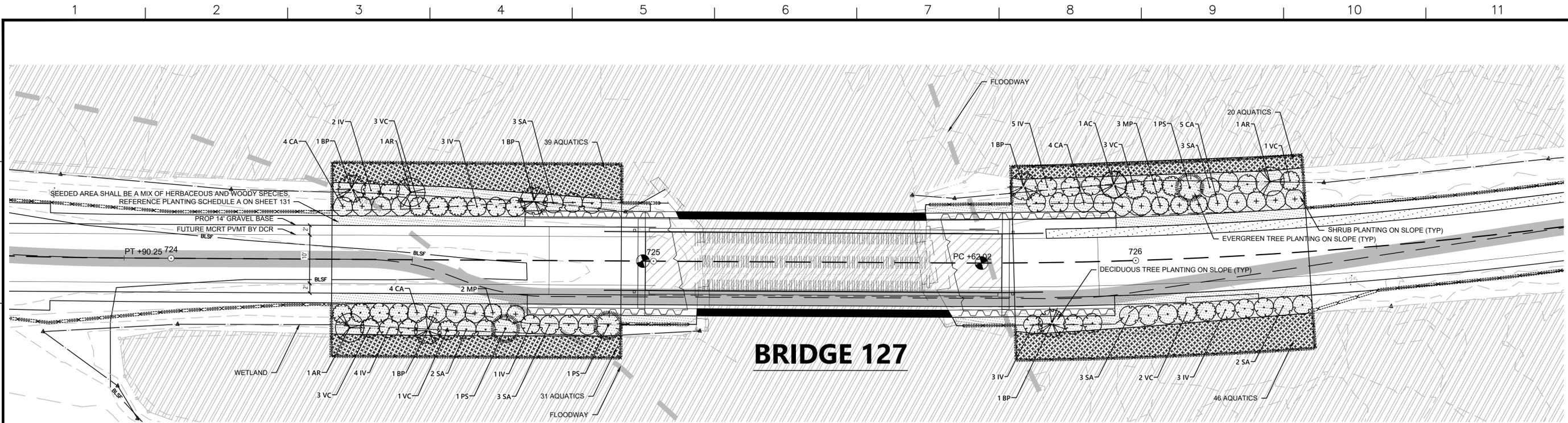
- ALL PROPOSED PLANTING LOCATIONS SHALL BE STAKED AS SHOWN ON THE PLANS FOR FIELD REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- NO PLANT MATERIALS SHALL BE INSTALLED UNTIL ALL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA. CONTRACTOR SHALL NOTIFY ENVIRONMENTAL MONITOR OF ANY CONFLICT.
- A 3-INCH DEEP MULCH PER SPECIFICATION SHALL BE INSTALLED UNDER ALL TREES AND SHRUBS, AND IN ALL PLANTING BEDS, UNLESS OTHERWISE INDICATED ON THE PLANS, OR AS DIRECTED BY ENVIRONMENTAL MONITOR.
- ALL TREES SHALL BE BALLED AND BURLAPPED, UNLESS OTHERWISE NOTED IN THE DRAWINGS OR SPECIFICATION, OR APPROVED BY THE ENVIRONMENTAL MONITOR.
- FINAL QUANTITY FOR EACH PLANT TYPE SHALL BE AS GRAPHICALLY SHOWN ON THE PLAN. THIS NUMBER SHALL TAKE PRECEDENCE IN CASE OF ANY DISCREPANCY BETWEEN QUANTITIES SHOWN ON THE PLANT LIST AND ON THE PLAN. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES BETWEEN THE NUMBER OF PLANTS SHOWN ON THE PLANT LIST AND PLANT LABELS PRIOR TO BIDDING.
- ANY PROPOSED PLANT SUBSTITUTIONS MUST BE REVIEWED BY LANDSCAPE ARCHITECT AND APPROVED IN WRITING BY THE ENVIRONMENTAL MONITOR.

Plant Maintenance Notes

- CONTRACTOR SHALL PROVIDE COMPLETE MAINTENANCE OF SEEDING AREAS AND PLANTINGS. NO IRRIGATION IS PROPOSED FOR THIS SITE. THE CONTRACTOR SHALL SUPPLY SUPPLEMENTAL WATERING FOR SEEDING AREAS AND PLANTINGS DURING THE ONE YEAR PLANT GUARANTEE PERIOD.
- CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR, AND EQUIPMENT FOR THE COMPLETE LANDSCAPE MAINTENANCE WORK. WATER SHALL BE PROVIDED BY THE CONTRACTOR.
- WATERING SHALL BE REQUIRED DURING THE GROWING SEASON, WHEN NATURAL RAINFALL IS BELOW ONE INCH PER WEEK.
- WATER SHALL BE APPLIED IN SUFFICIENT QUANTITY TO THOROUGHLY SATURATE THE SOIL IN THE ROOT ZONE OF EACH PLANT.
- PROTECT PLANTING AREAS AND PLANTS AGAINST TRESPASSING AND DAMAGE OF ALL KINDS FOR THE DURATION OF THE MAINTENANCE PERIOD. IF ANY PLANTS BECOME DAMAGED OR INJURED, THEY SHALL BE TREATED OR REPLACED AS REQUIRED.
- CONTRACTOR SHALL REPLACE DEAD OR DYING PLANTS AT THE END OF THE ONE YEAR GUARANTEE PERIOD. CONTRACTOR SHALL TURN OVER MAINTENANCE TO THE FACILITY MAINTENANCE STAFF AT THAT TIME.

N.O.	DESCRIPTION	BY	DATE	APPR.
REVISION				
EVERSOURCE				
SUDBURY-HUDSON TRANSMISSION RELIABILITY PROJECT				
HUDSON, STOW, MARLBOROUGH & SUDBURY MASSACHUSETTS				
CONSTRUCTION DETAILS				
PLANT 34 OF 320				
SCALE: unless noted 1"=10'	DATE	DRAWN	CHK'D	A.P.P.R.
	AUGUST 2020	MS	SK	MES
DRAWING NO.				REV.





BRIDGE 127



PLANT SCHEDULE WEST SIDE

DECIDUOUS TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	WETLAND STATUS
AR	2	Acer rubrum	Red Maple	1 1/2" CAL	FAC
BP	3	Betula populifolia	Gray Birch	10 - 12' HT./Multi-Stem	FAC
EVERGREEN TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	WETLAND STATUS
PS	2	Pinus strobus	White Pine	7 - 8' HT.	FACU
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
CA	8	Clethra alnifolia	Summersweet Clethra	2 - 3' HT.	48" o.c. FAC
IV	10	Ilex verticillata	Winterberry	3' - 4'	48" o.c. FACW
MP	2	Myrica pensylvanica	Northern Bayberry	2 - 3' HT.	48" o.c. FAC
SA	8	Swida amomum	Silky Dogwood	3' - 4'	48" o.c. FACW
VC	7	Vaccinium corymbosum	Highbush Blueberry	3' - 4'	48" o.c. FACW
AQUATICS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	WETLAND STATUS
	18	Alisma plantago-aquatica	Northern Water-Plantain	2" plug	36" o.c. OBL
	17	Peltandra virginica	Green Arrow-Arum	2" plug	36" o.c. OBL
	17	Potamogeton nodosus	Potamogeton	2" plug	36" o.c. OBL
	17	Sagittaria latifolia	Common Arrowhead	2" plug	36" o.c. OBL

PLANT SCHEDULE EAST SIDE

DECIDUOUS TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	WETLAND STATUS
AR	1	Acer rubrum	Red Maple	1 1/2" CAL	FAC
AC	1	Amelanchier canadensis	Serviceberry	10 - 12' HT./Multi-Stem	FAC
BP	2	Betula populifolia	Gray Birch	10 - 12' HT./Multi-Stem	FAC
EVERGREEN TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	WETLAND STATUS
PS	1	Pinus strobus	White Pine	7 - 8' HT.	FACU
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
CA	9	Clethra alnifolia	Summersweet Clethra	2 - 3' HT.	48" o.c. FAC
IV	11	Ilex verticillata	Winterberry	3' - 4'	48" o.c. FACW
MP	3	Myrica pensylvanica	Northern Bayberry	2 - 3' HT.	48" o.c. FAC
SA	8	Swida amomum	Silky Dogwood	3' - 4'	48" o.c. FACW
VC	6	Vaccinium corymbosum	Highbush Blueberry	3' - 4'	48" o.c. FACW
AQUATICS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	WETLAND STATUS
	17	Alisma plantago-aquatica	Northern Water-Plantain	2" plug	36" o.c. OBL
	17	Peltandra virginica	Green Arrow-Arum	2" plug	36" o.c. OBL
	16	Potamogeton nodosus	Potamogeton	2" plug	36" o.c. OBL
	16	Sagittaria latifolia	Common Arrowhead	2" plug	36" o.c. OBL

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PLAN 135 OF 320				
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