

# MASSACHUSETTS DEPARTMENT OF TRANSPORTATION HIGHWAY DIVISION

WRENTHAM, MA  
I-495 / ROUTE 1A RAMPS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	1	17

TITLE SHEET

PLAN AND PROFILE OF  
**ROUTE 1A (SOUTH STREET)  
AND I-495**

IN THE TOWN OF  
**WRENTHAM**  
NORFOLK COUNTY

FEDERAL AID PROJECT NO.

THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION HIGHWAY DIVISION STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES DATED 2021, AS AMENDED, THE SUPPLEMENTAL SPECIFICATIONS DATED SEPTEMBER 30, 2021, THE OCTOBER 2017 CONSTRUCTION STANDARD DETAILS, THE 2015 OVERHEAD SIGNAL STRUCTURE AND FOUNDATION STANDARD DRAWINGS, MASSDOT TRAFFIC MANAGEMENT PLANS AND DETAIL DRAWINGS, THE LATEST MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS WITH MASSACHUSETTS AMENDMENTS, THE 1990 STANDARD DRAWINGS FOR SIGNS AND SUPPORTS, THE 1968 STANDARD DRAWINGS FOR TRAFFIC SIGNALS AND HIGHWAY LIGHTING, AND THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK, WILL GOVERN.

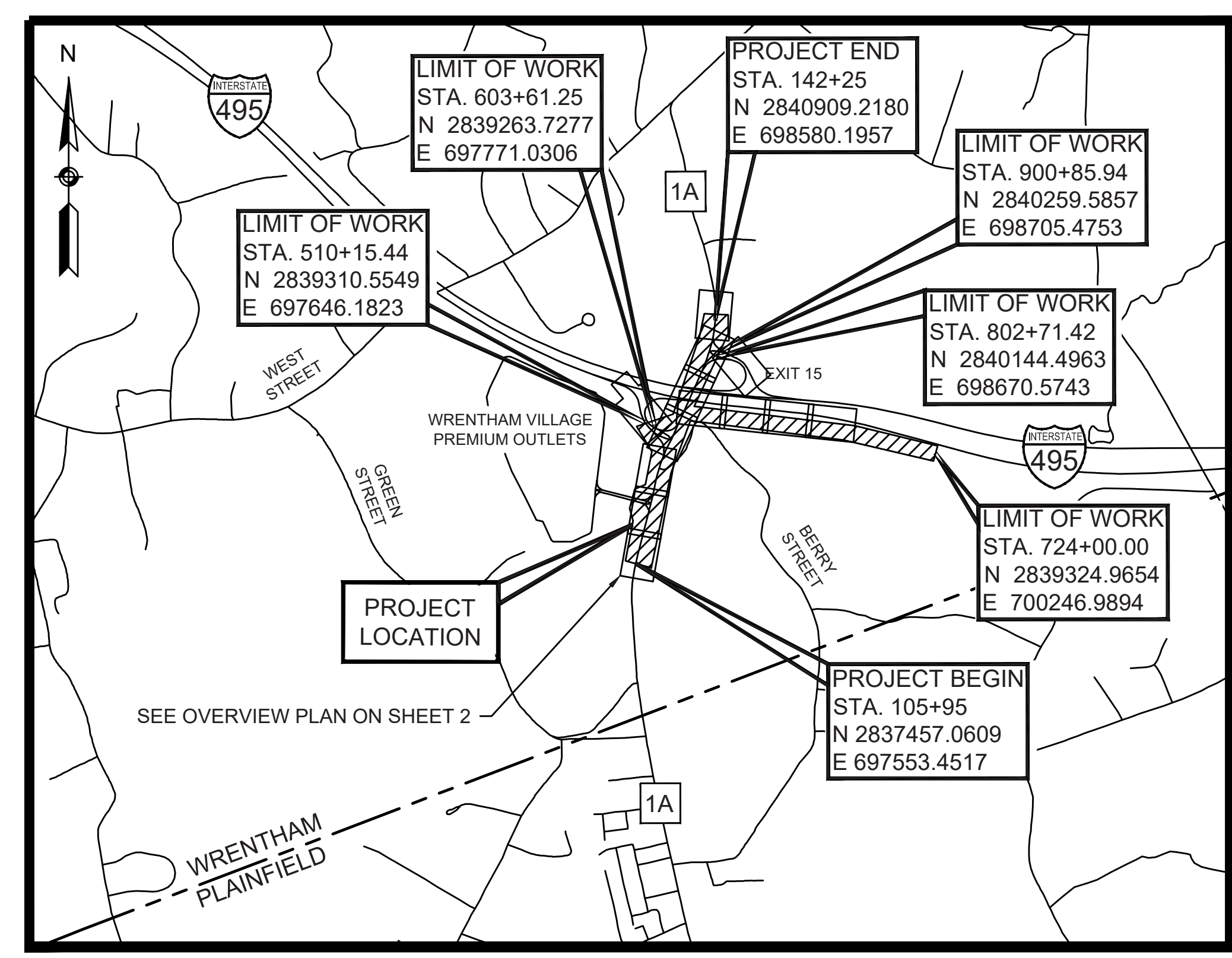
## ENVIRONMENTAL PLANS

**INDEX**

SHEET NO.	DESCRIPTION
1	TITLE SHEET & INDEX
2	OVERVIEW PLAN
3-15	ENVIRONMENTAL PLANS
16-17	ENVIRONMENTAL DETAILS

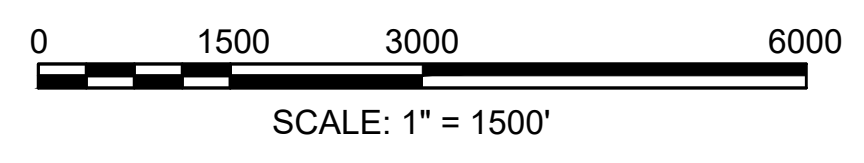
**RDA PLANS LEGEND:**

PERMANENT	TEMPORARY	DESCRIPTION
		IMPACT TO 100' BUFFER ZONE TO BVW
		EXISTING BANK OR BVW
		100' BUFFER ZONE TO BVW



**DESIGN DESIGNATION (ROUTE 1A)**

DESIGN SPEED	45 MPH
ADT (2020)	25,004
ADT (2040)	33,676
K	8%
D	51%
T (PEAK HOUR)	5%
T (AVERAGE DAY)	7%
DHV	2,857
DDHV	1,471
FUNCTIONAL CLASSIFICATION	URBAN MINOR ARTERIAL



LENGTH OF PROJECT (ROUTE 1A) = 3,630 FEET = 0.688 MILES  
 LENGTH OF PROJECT (I-495 SOUTHBOUND ENTRANCE RAMP) = 2,396.6 FEET = 0.454 MILES

DATE	DESCRIPTION	REV #
7/26/2022	UPDATED FOR CON. COM. COMMENTS	1.0

RECOMMENDED FOR APPROVAL

\_\_\_\_\_  
CHIEF ENGINEER      DATE

APPROVED

\_\_\_\_\_  
DIVISION ADMINISTRATOR      DATE

\_\_\_\_\_  
HIGHWAY ADMINISTRATOR      DATE



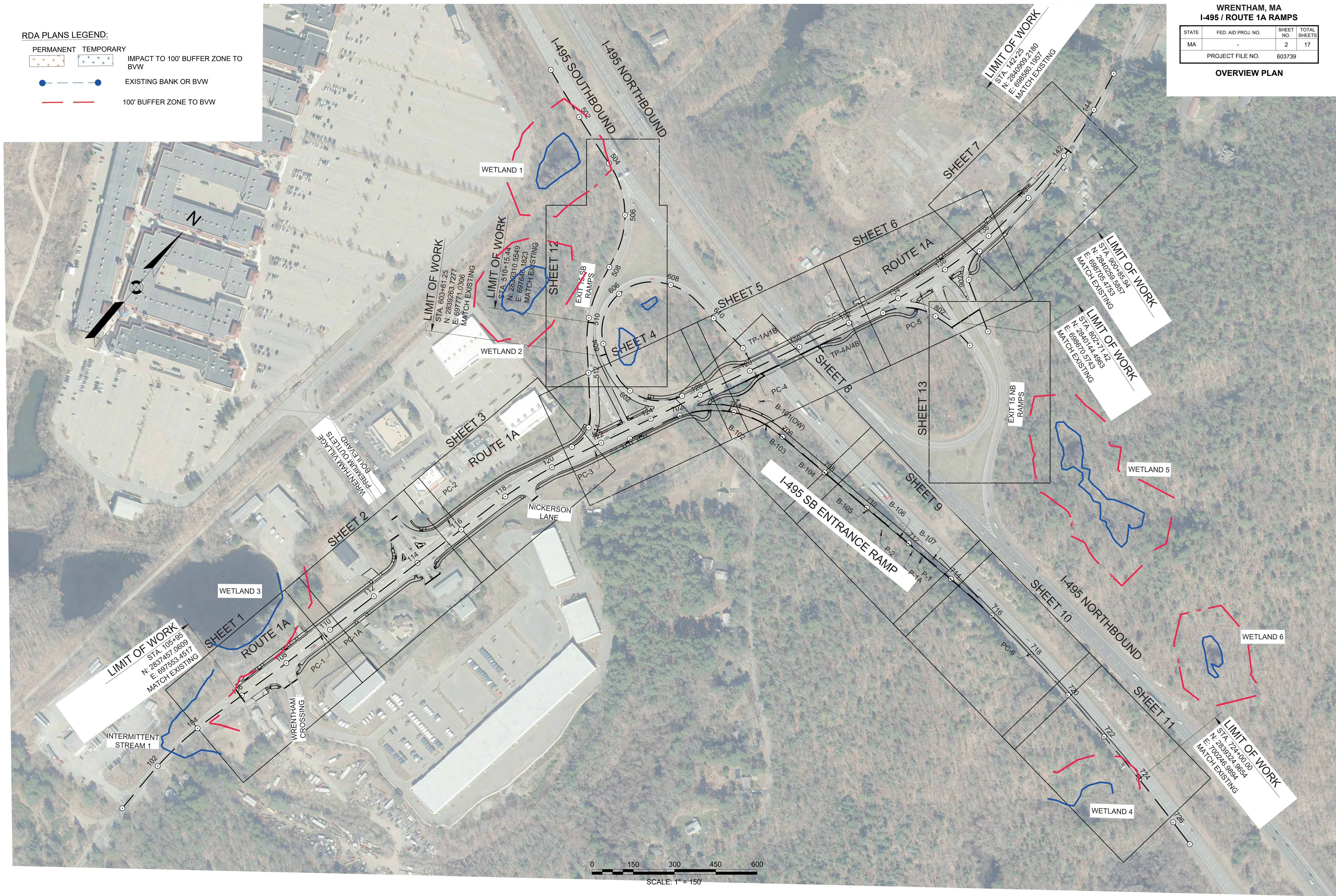
WRENTHAM, MA  
I-495 / ROUTE 1A RAMPS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	2	17
PROJECT FILE NO.		603739	

OVERVIEW PLAN

RDA PLANS LEGEND:

- PERMANENT IMPACT TO 100' BUFFER ZONE TO BVW
- TEMPORARY IMPACT TO 100' BUFFER ZONE TO BVW
- EXISTING BANK OR BVW
- 100' BUFFER ZONE TO BVW

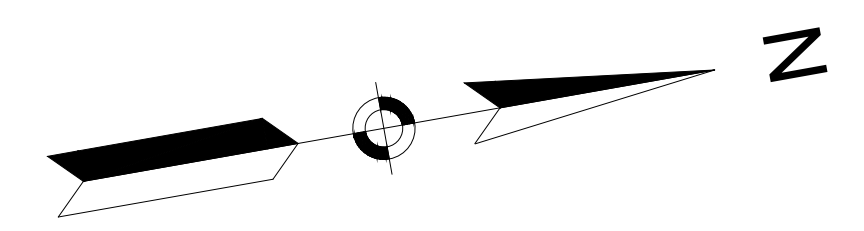




WRENTHAM, MA  
I-495 / ROUTE 1A RAMP

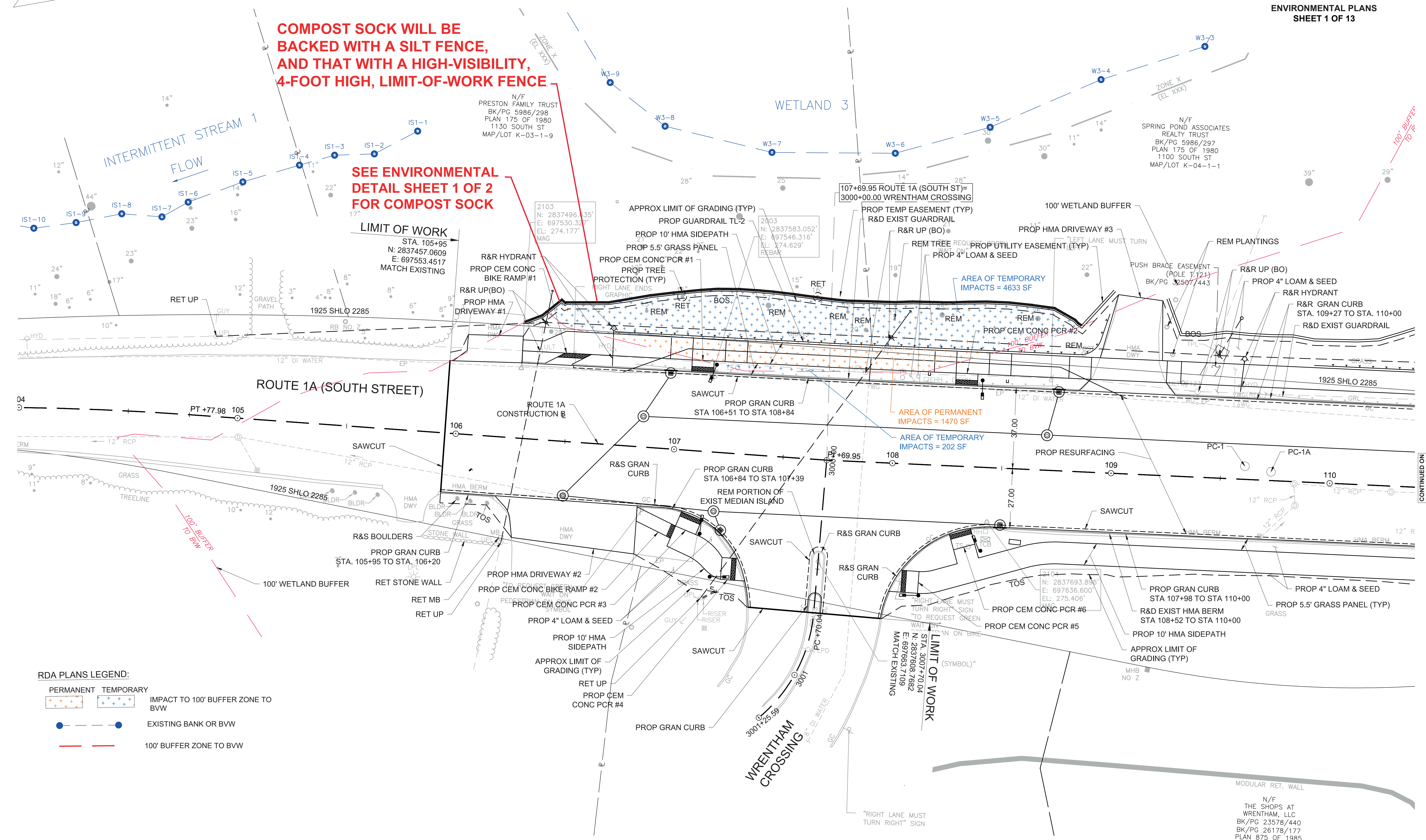
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	3	17
PROJECT FILE NO. 603739			

ENVIRONMENTAL PLANS  
SHEET 1 OF 13



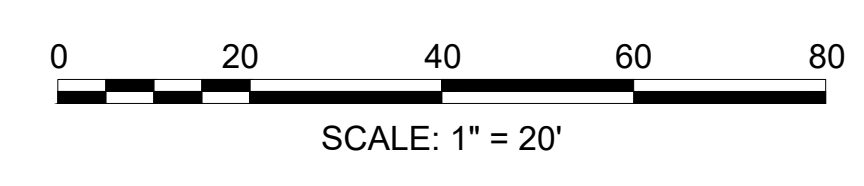
**COMPOST SOCK WILL BE BACKED WITH A SILT FENCE, AND THAT WITH A HIGH-VISIBILITY, 4-FOOT HIGH, LIMIT-OF-WORK FENCE.**

**SEE ENVIRONMENTAL DETAIL SHEET 1 OF 2 FOR COMPOST SOCK**



**RDA PLANS LEGEND:**

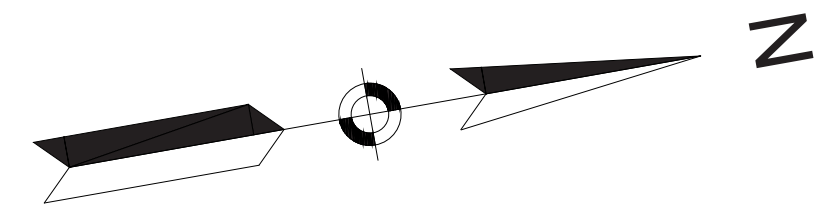
	PERMANENT IMPACT TO 100' BUFFER ZONE TO BVW
	TEMPORARY IMPACT TO 100' BUFFER ZONE TO BVW
	EXISTING BANK OR BVW
	100' BUFFER ZONE TO BVW



CONTINUED ON SHEET NO. 25

603739\_H03(ENVIRONMENTAL PLANS).DWG Ploited on: 26-Jul-2022 2:56 PM



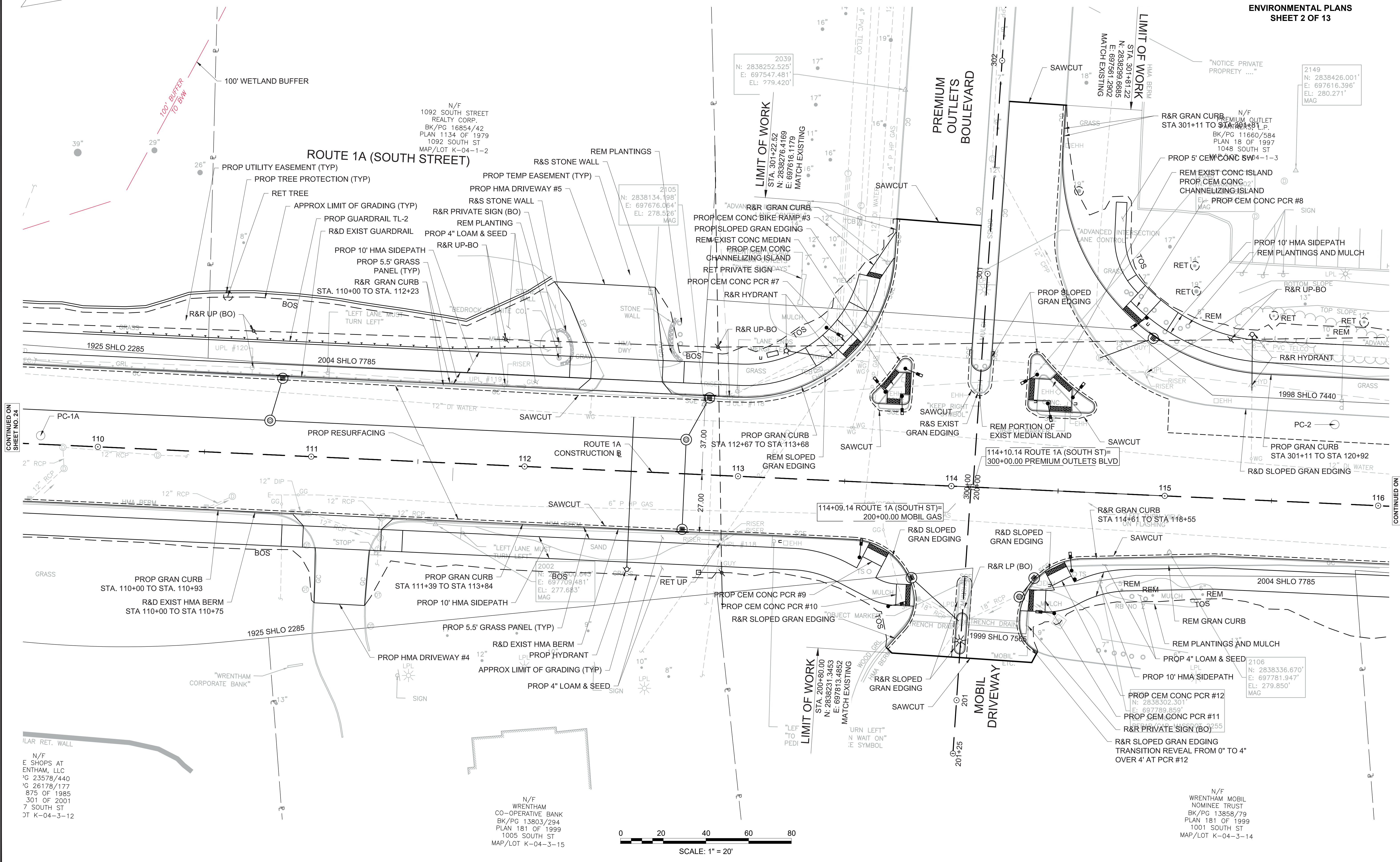


WRENTHAM, MA  
I-495 / ROUTE 1A RAMPS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	4	17

ENVIRONMENTAL PLANS  
SHEET 2 OF 13

PROJECT FILE NO. 603739



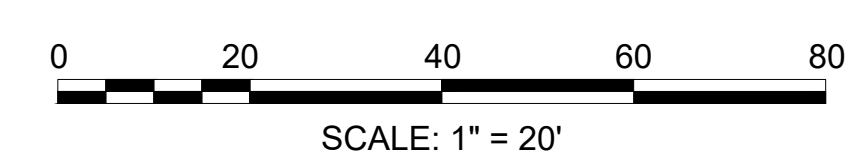
CONTINUED ON  
SHEET NO. 24

CONTINUED ON  
SHEET NO. 26

N/F  
E SHOPS AT  
WRENTHAM, LLC  
BK/PG 23578/440  
PLAN 181 OF 1999  
1001 SOUTH ST  
MAP/LOT K-04-3-12

N/F  
WRENTHAM  
CO-OPERATIVE BANK  
BK/PG 13803/294  
PLAN 181 OF 1999  
1005 SOUTH ST  
MAP/LOT K-04-3-15

N/F  
WRENTHAM MOBIL  
NOMINEE TRUST  
BK/PG 13858/79  
PLAN 181 OF 1999  
1001 SOUTH ST  
MAP/LOT K-04-3-14

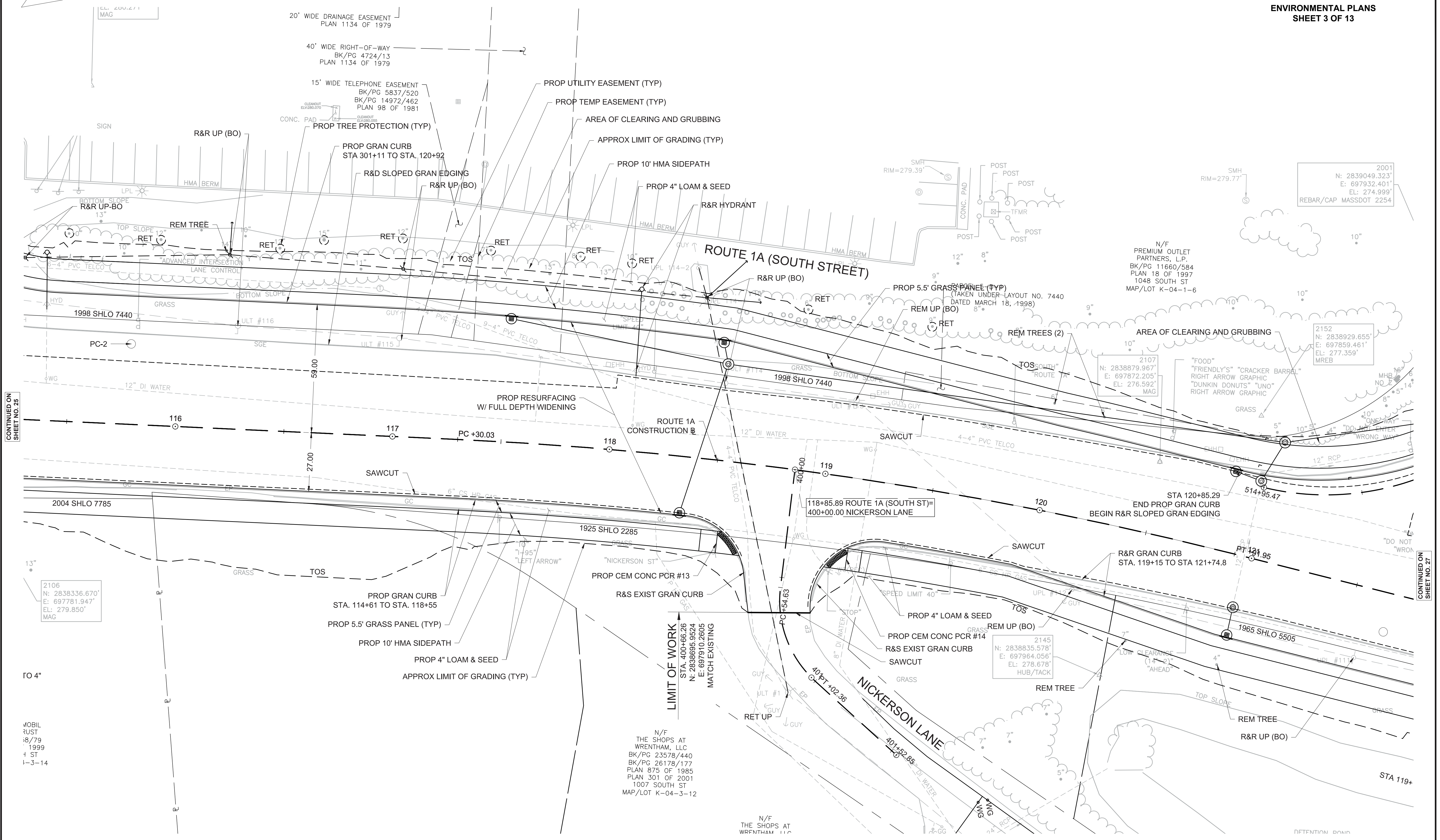
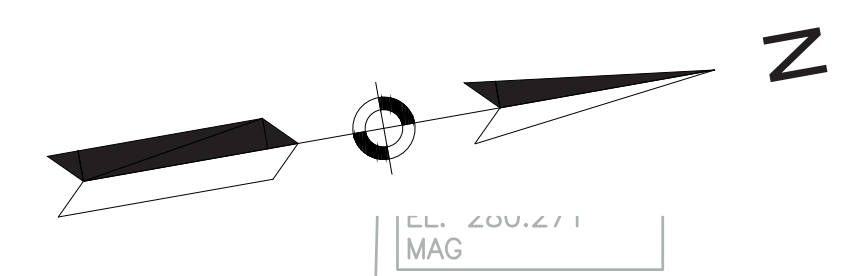




WRENTHAM, MA  
I-495 / ROUTE 1A RAMPS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	5	17
PROJECT FILE NO. 603739			

ENVIRONMENTAL PLANS  
SHEET 3 OF 13



CONTINUED ON  
SHEET NO. 25

CONTINUED ON  
SHEET NO. 27

2106  
N: 2838336.670'  
E: 697781.947'  
EL: 279.850'  
MAG

2001  
N: 2839049.323'  
E: 697932.401'  
EL: 274.999'  
REBAR/CAP MASSDOT 2254

N/F  
PREMIUM OUTLET  
PARTNERS, L.P.  
BK/PG 11660/584  
PLAN 18 OF 1997  
1048 SOUTH ST  
MAP/LOT K-04-1-6

2152  
N: 2838929.655'  
E: 697859.461'  
EL: 277.359'  
MREB

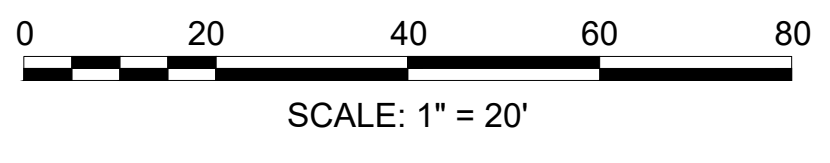
2107  
N: 2838879.967'  
E: 697872.205'  
EL: 276.592'  
MAG

2145  
N: 2838835.578'  
E: 697964.056'  
EL: 278.678'  
HUB/TACK

N/F  
THE SHOPS AT  
WRENTHAM, LLC  
BK/PG 23578/440  
BK/PG 26178/177  
PLAN 875 OF 1985  
PLAN 301 OF 2001  
1007 SOUTH ST  
MAP/LOT K-04-3-12

N/F  
THE SHOPS AT  
WRENTHAM, LLC

TO 4"  
MOBIL  
RUST  
18/79  
1999  
4 ST  
1-3-14

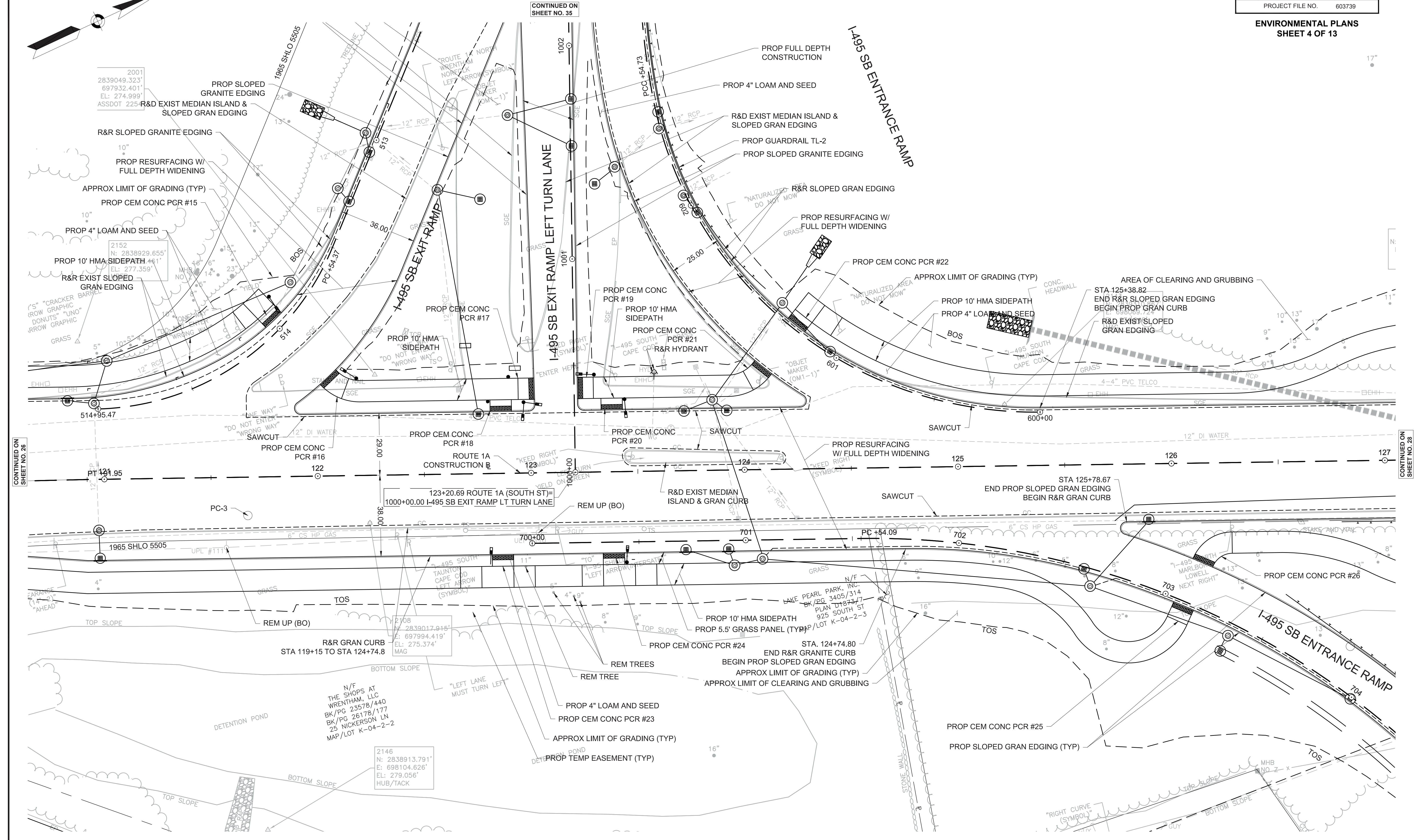
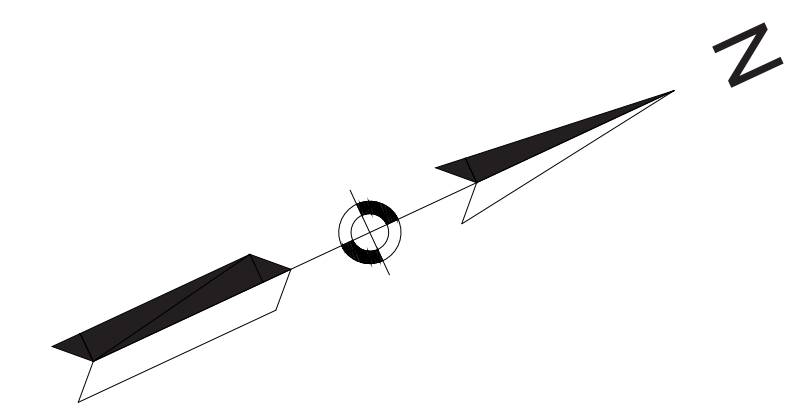




WRENTHAM, MA  
I-495 / ROUTE 1A RAMPS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	6	17
PROJECT FILE NO. 603739			

ENVIRONMENTAL PLANS  
SHEET 4 OF 13

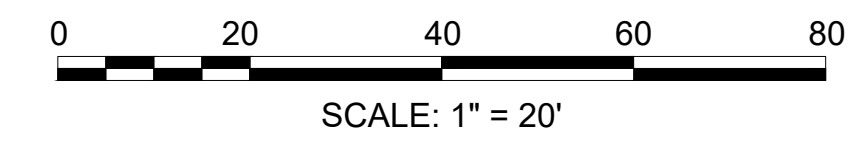


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SHEET NO. 26

CONTINUED ON  
SHEET NO. 28

CONTINUED ON  
SHEET NO. 31



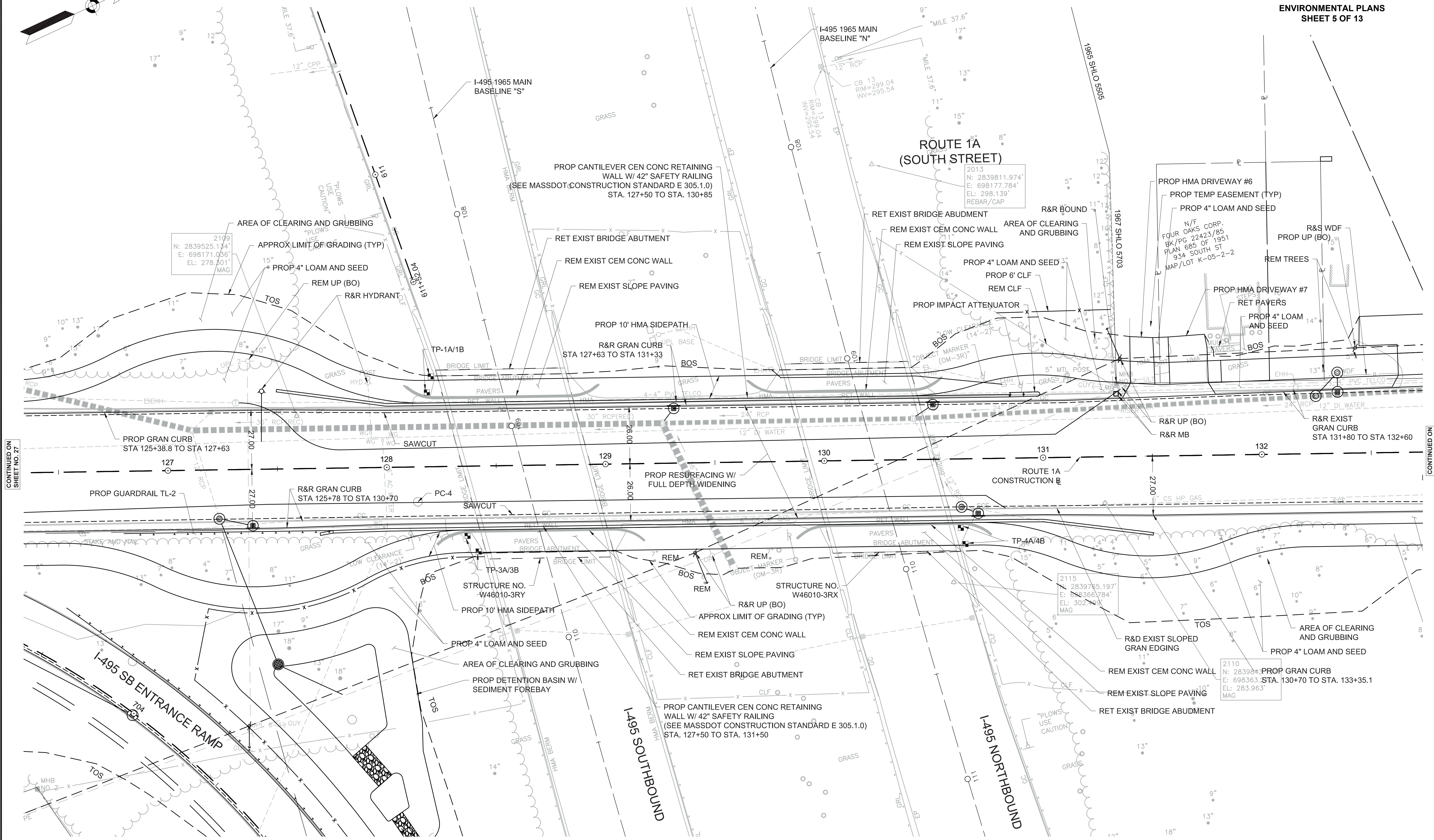
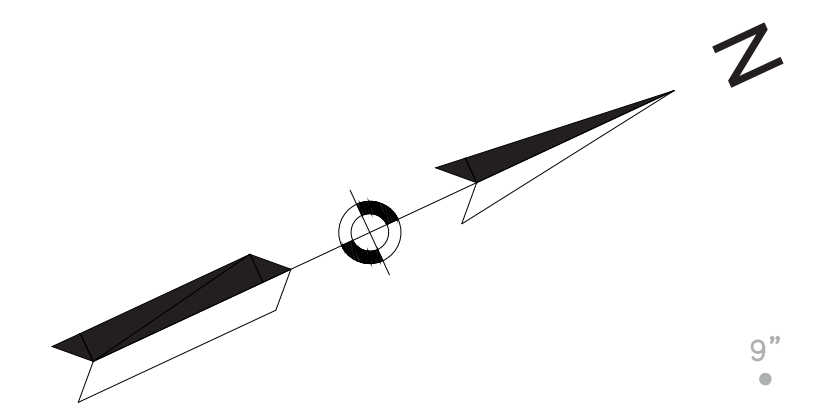
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WRENTHAM, MA  
I-495 / ROUTE 1A RAMPS

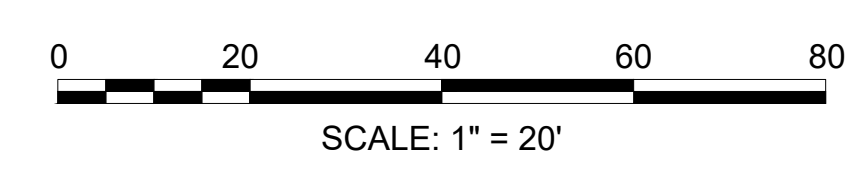
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	7	17
PROJECT FILE NO.		603739	

ENVIRONMENTAL PLANS  
SHEET 5 OF 13



CONTINUED ON  
SHEET NO. 27

CONTINUED ON  
SHEET NO. 28

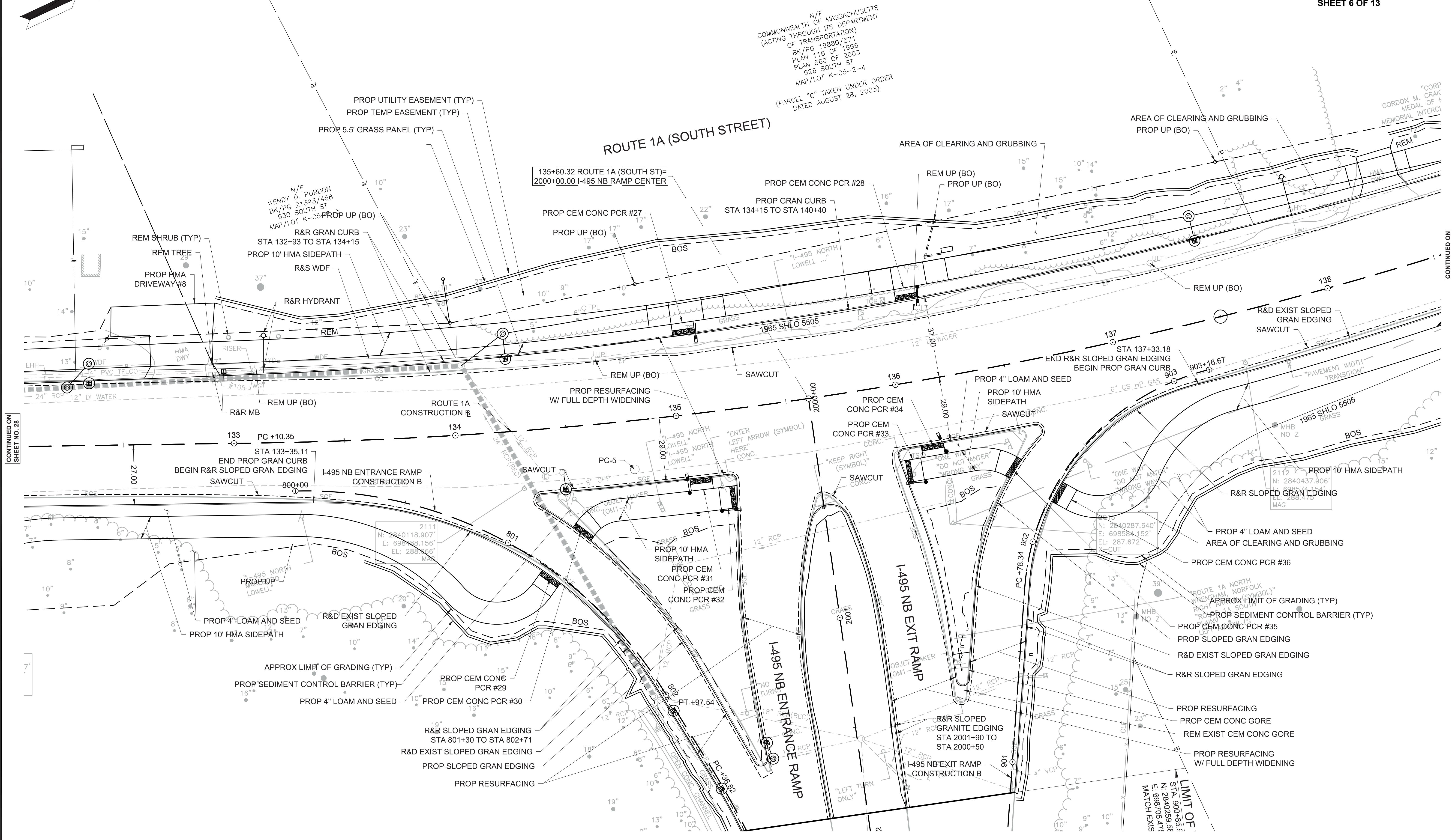
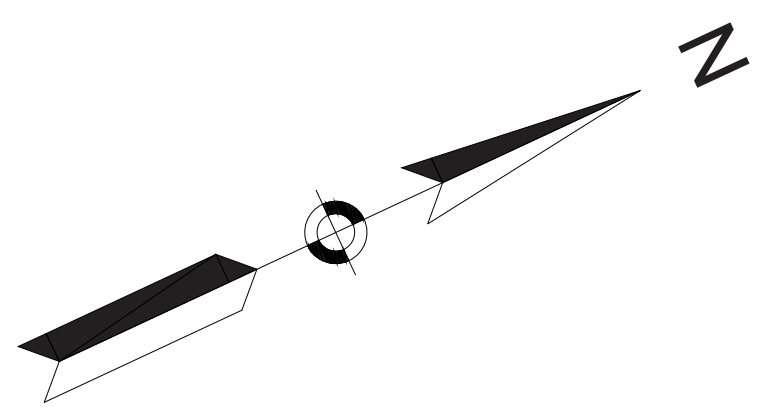




WRENTHAM, MA  
I-495 / ROUTE 1A RAMPS

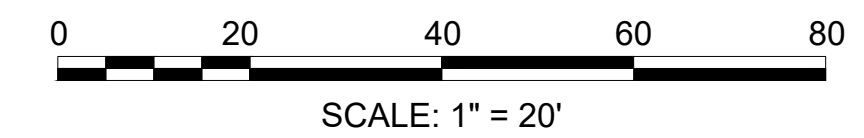
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MA	-	8	17

ENVIRONMENTAL PLANS  
SHEET 6 OF 13



CONTINUED ON  
SHEET NO. 28

CONTINUED ON  
SHEET NO. 30



CONTINUED ON  
SHEET NO. 36

Plotted on: 26-Jul-2022 2:57 PM  
603739\_HD03(ENVIRONMENTAL PLANS).DWG

N/F  
COMMONWEALTH OF MASSACHUSETTS  
(ACTING THROUGH ITS DEPARTMENT  
OF TRANSPORTATION)  
BK/PG 19880/371  
PLAN 116 OF 1936  
PLAN 560 OF 2003  
926 SOUTH ST  
MAP/LOT K-05-2-4  
(PARCEL "C" TAKEN UNDER ORDER  
DATED AUGUST 28, 2003)

"CORP  
GORDON M. CRAIG  
MEDAL OF 1  
MEMORIAL INTERC

AREA OF CLEARING AND GRUBBING  
PROP UP (BO)

AREA OF CLEARING AND GRUBBING

135+60.32 ROUTE 1A (SOUTH ST)=  
2000+00.00 I-495 NB RAMP CENTER

PROP CEM CONC PCR #28

PROP GRAN CURB  
STA 134+15 TO STA 140+40

PROP CEM CONC PCR #27

R&R GRAN CURB  
STA 132+93 TO STA 134+15

PROP 10' HMA SIDEPATH

REM SHRUB (TYP)

REM TREE

PROP HMA  
DRIVEWAY #8

R&S WDF

R&R HYDRANT

REM UP (BO)

R&R MB

PROP RESURFACING  
W/ FULL DEPTH WIDENING

ROUTE 1A  
CONSTRUCTION B

PC+10.35

STA 133+35.11  
END PROP GRAN CURB  
BEGIN R&R SLOPED GRAN EDGING

SAWCUT

I-495 NB ENTRANCE RAMP  
CONSTRUCTION B

SAWCUT

PROP 4" LOAM AND SEED

PROP 10' HMA SIDEPATH

R&D EXIST SLOPED GRAN EDGING

PROP 4" LOAM AND SEED

PROP 10' HMA SIDEPATH

R&D EXIST SLOPED GRAN EDGING

APPROX LIMIT OF GRADING (TYP)

PROP SEDIMENT CONTROL BARRIER (TYP)

PROP 4" LOAM AND SEED

PROP CEM CONC PCR #29

PROP CEM CONC PCR #30

R&R SLOPED GRAN EDGING  
STA 801+30 TO STA 802+71

R&D EXIST SLOPED GRAN EDGING

PROP SLOPED GRAN EDGING

PROP RESURFACING

PC-5

495 NORTH  
LOWELL

495 NORTH  
LOWELL

"ENTER  
LEFT ARROW (SYMBOL)  
HERE"  
CONC.

"KEEP RIGHT  
(SYMBOL)"

SAWCUT

PROP 10' HMA  
SIDEPATH

PROP CEM  
CONC PCR #31

PROP CEM  
CONC PCR #32

GRASS

BOS

PT +97.54

PC +36.92

R&R SLOPED  
GRANITE EDGING  
STA 2001+90 TO  
STA 2000+50

I-495 NB EXIT RAMP  
CONSTRUCTION B

SAWCUT

PROP CEM CONC PCR #34

PROP CEM  
CONC PCR #33

PROP 10' HMA  
SIDEPATH

SAWCUT

I-495 NB EXIT RAMP

I-495 NB ENTRANCE RAMP

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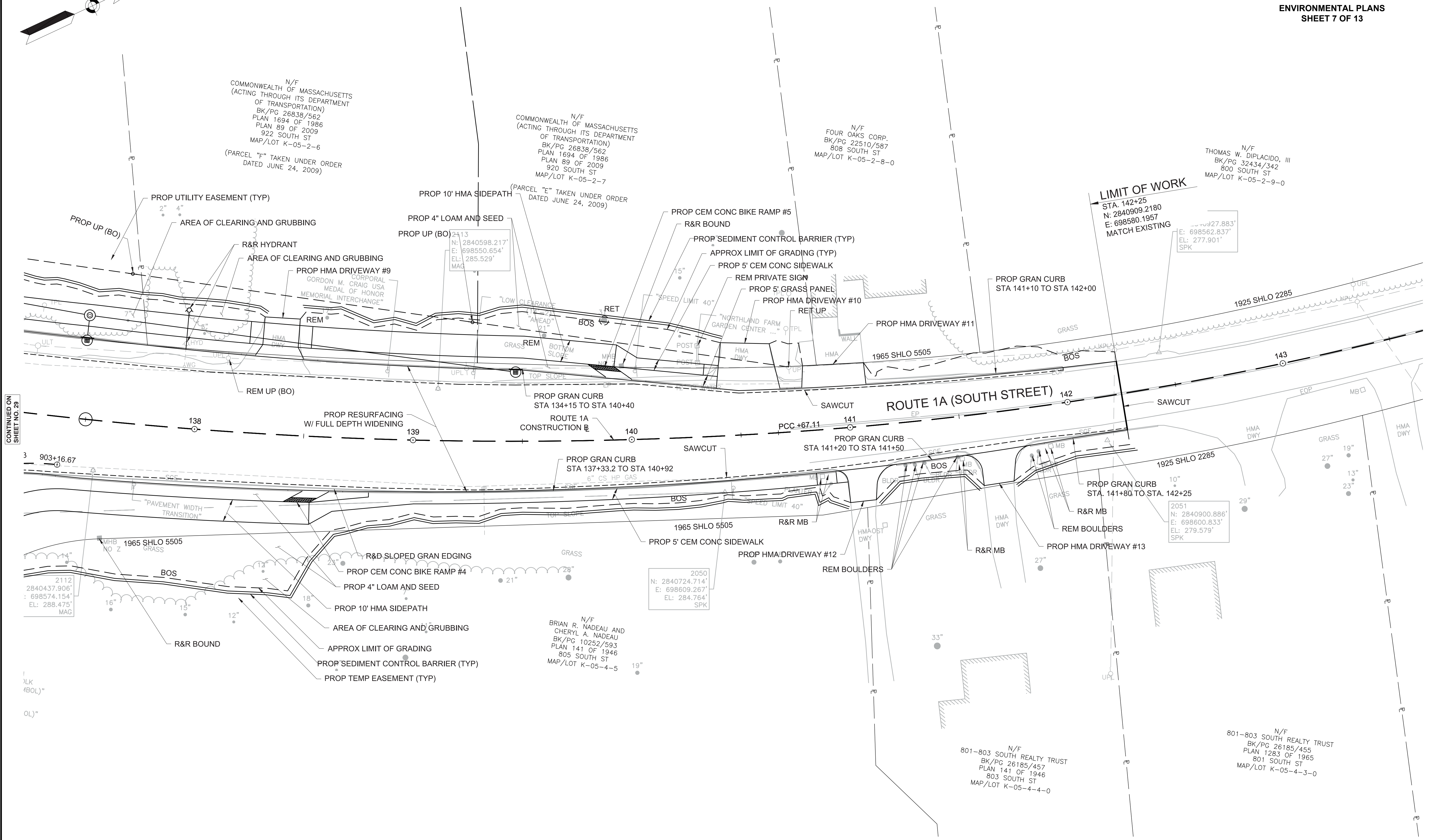
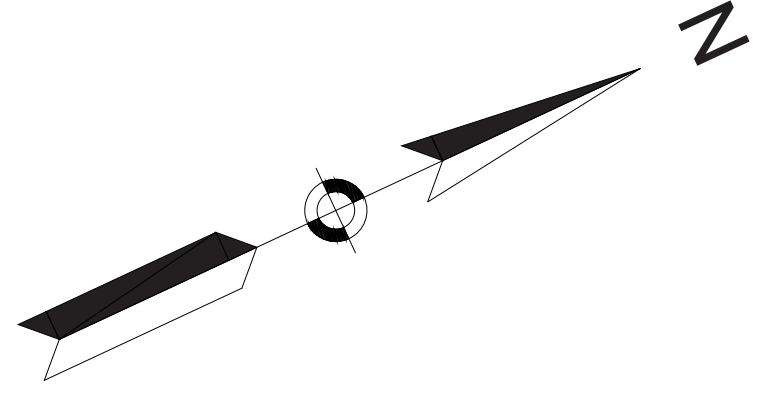
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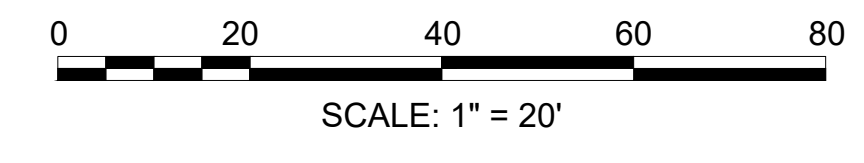
WRENTHAM, MA  
I-495 / ROUTE 1A RAMP

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	9	17
PROJECT FILE NO.		603739	

ENVIRONMENTAL PLANS  
SHEET 7 OF 13



CONTINUED ON  
SHEET NO. 29



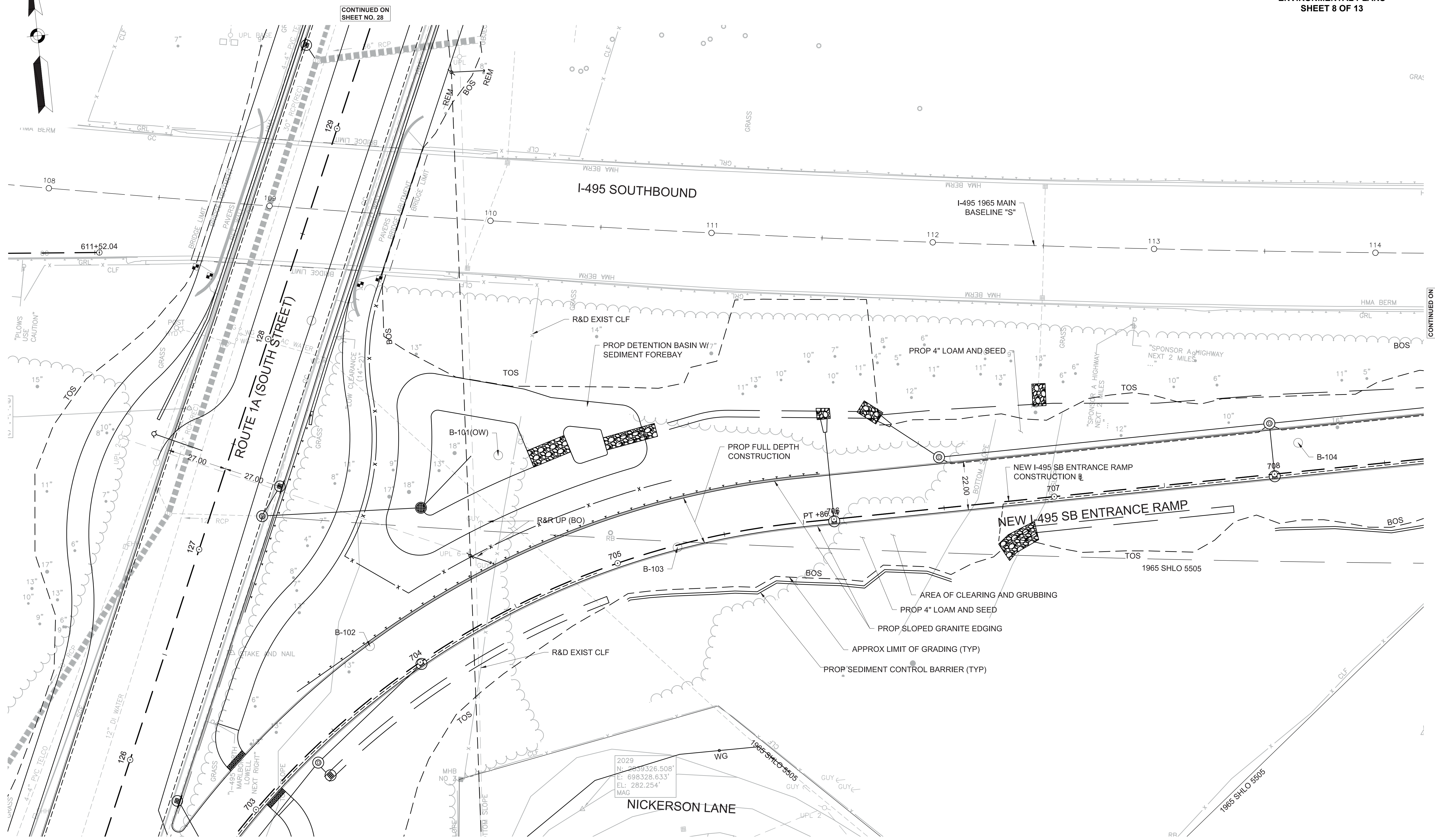
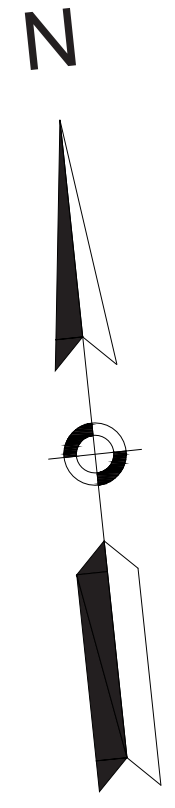
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WRENTHAM, MA  
I-495 / ROUTE 1A RAMPS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	10	17
PROJECT FILE NO.		603739	

ENVIRONMENTAL PLANS  
SHEET 8 OF 13

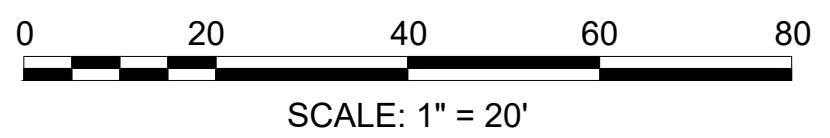


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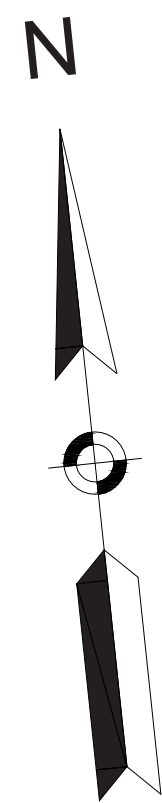
CONTINUED ON  
SHEET NO. 32

CONTINUED ON  
SHEET NO. 27

2029  
N: 2839326.508'  
E: 698328.633'  
EL: 282.254'  
MAG







WRENTHAM, MA  
I-495 / ROUTE 1A RAMPS

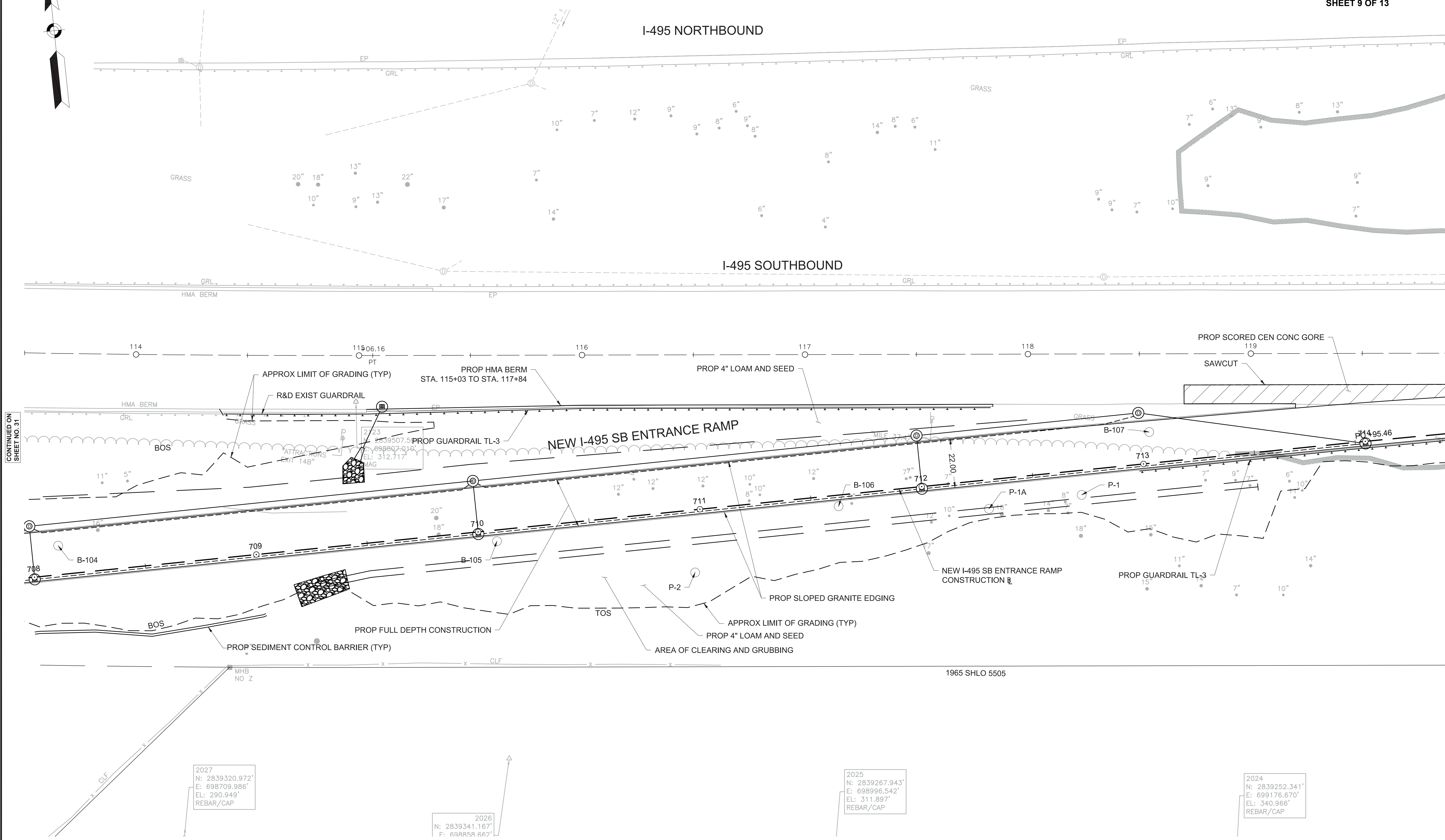
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	11	17

PROJECT FILE NO. 603739

ENVIRONMENTAL PLANS  
SHEET 9 OF 13

I-495 NORTHBOUND

I-495 SOUTHBOUND



CONTINUED ON SHEET NO. 31

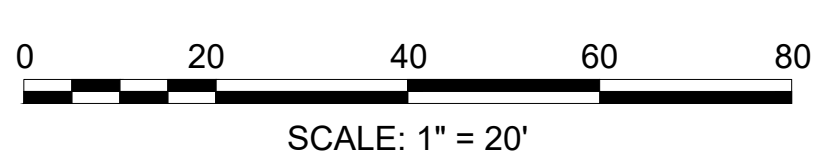
CONTINUED ON SHEET NO. 33

2027  
N: 2839320.972'  
E: 698709.986'  
EL: 290.949'  
REBAR/CAP

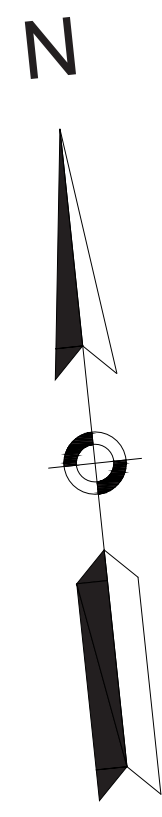
2026  
N: 2839341.167'  
E: 698858.662'

2025  
N: 2839267.943'  
E: 698996.542'  
EL: 311.897'  
REBAR/CAP

2024  
N: 2839252.341'  
E: 699176.670'  
EL: 340.966'  
REBAR/CAP



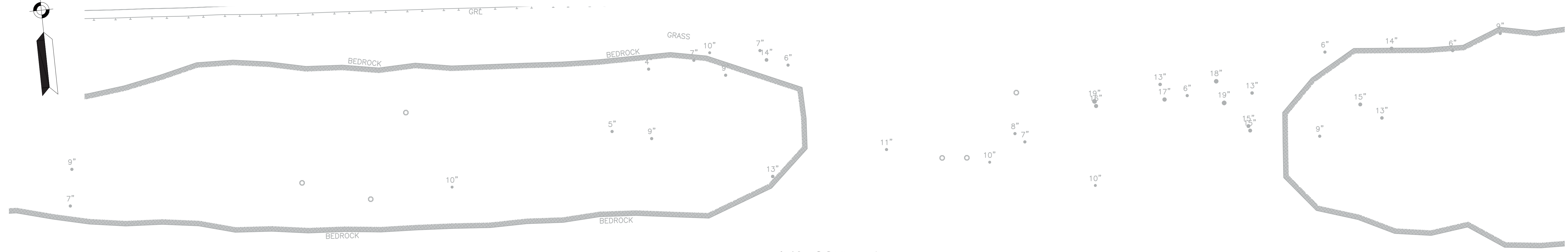




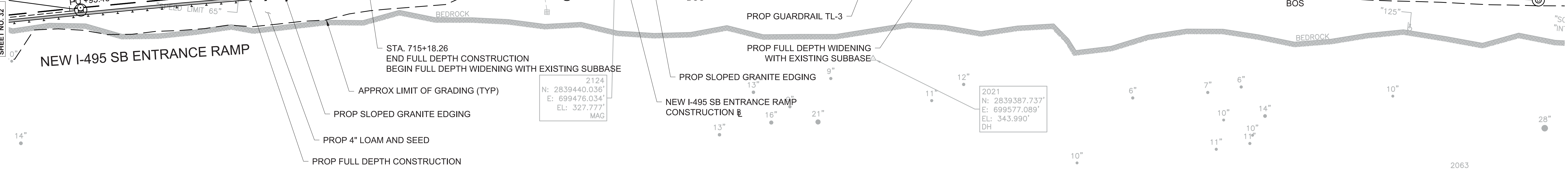
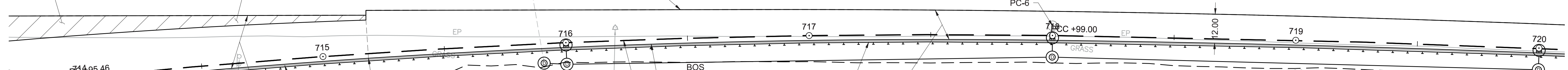
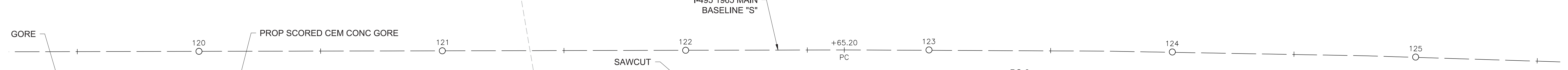
**WRENTHAM, MA  
I-495 / ROUTE 1A RAMPS**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	12	17
PROJECT FILE NO.		603739	

**ENVIRONMENTAL PLANS  
SHEET 10 OF 13**



**I-495 SOUTHBOUND**



2124  
N: 2839440.036'  
E: 699476.034'  
EL: 327.777'  
MAG

2021  
N: 2839387.737'  
E: 699577.089'  
EL: 343.990'  
DH

2063  
N: 2839312.843'  
E: 699806.367'  
EL: 363.930'  
SPK

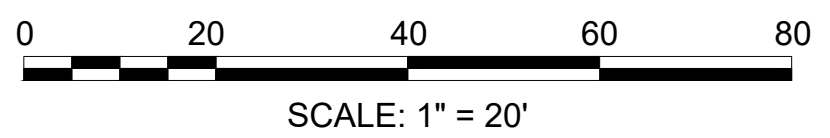
2023  
N: 2839266.908'  
E: 699433.121'  
EL: 370.021'  
REBAR/CAP

2022  
N: 2839248.452'  
E: 699542.088'  
EL: 363.554'  
REBAR/CAP

CONTINUED ON  
SHEET NO. 32

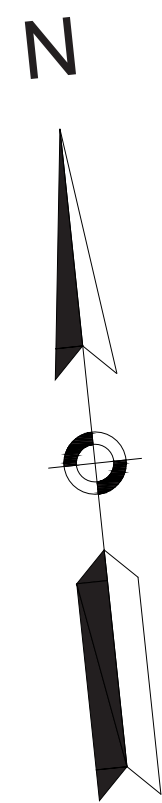
CONTINUED ON  
SHEET NO. 34

1'



1965 SHLO 5505

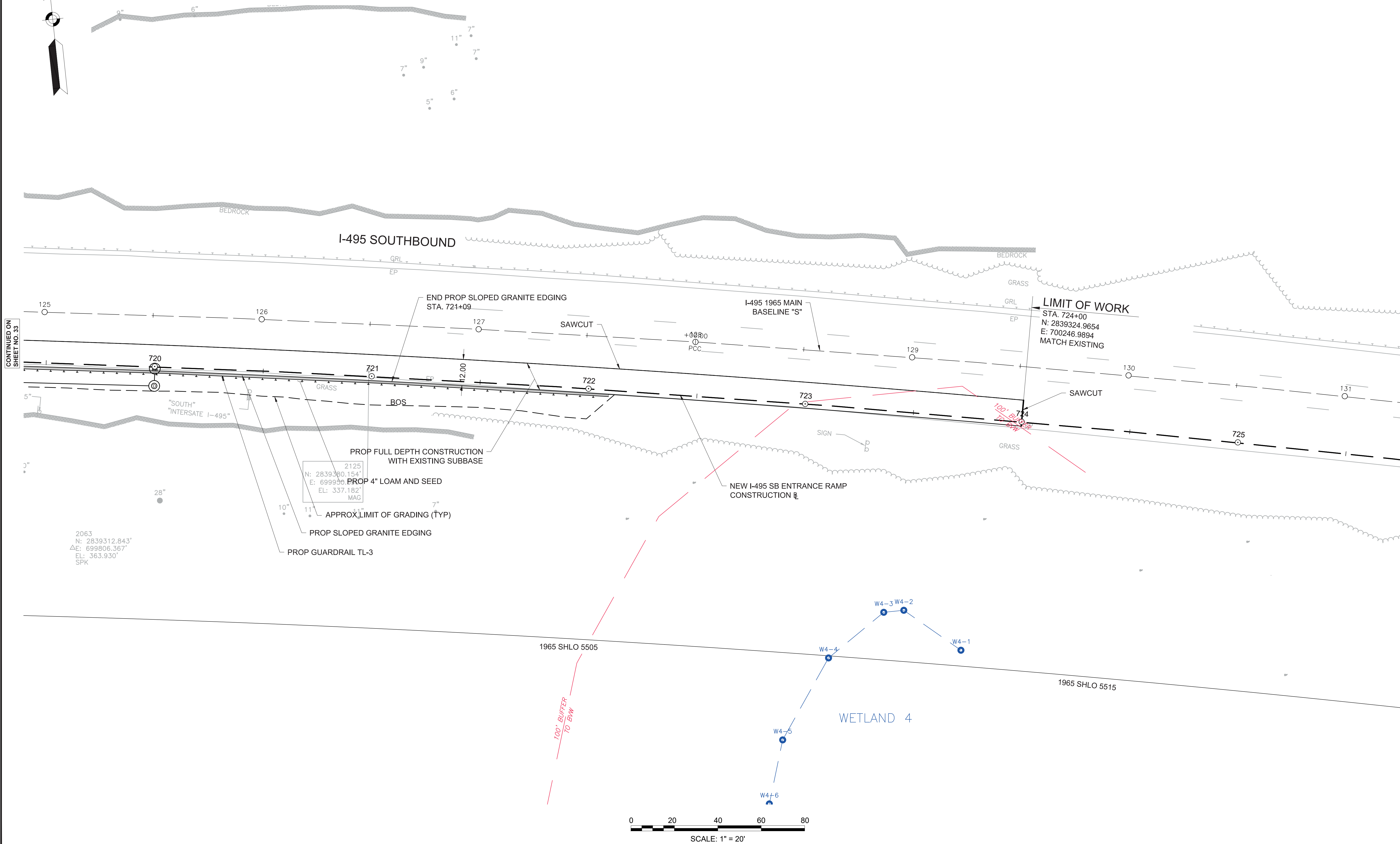




WRENTHAM, MA  
I-495 / ROUTE 1A RAMPS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	13	17
PROJECT FILE NO.		603739	

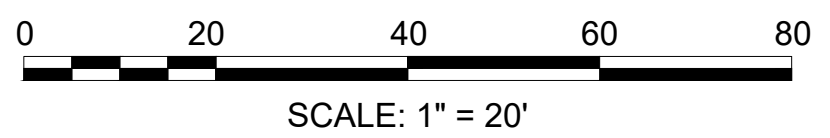
ENVIRONMENTAL PLANS  
SHEET 11 OF 13



CONTINUED ON  
SHEET NO. 33

2063  
N: 2839312.843'  
ΔE: 699806.367'  
EL: 363.930'  
SPK

2125  
N: 2839380.154'  
E: 699930.154'  
EL: 337.182'  
MAG

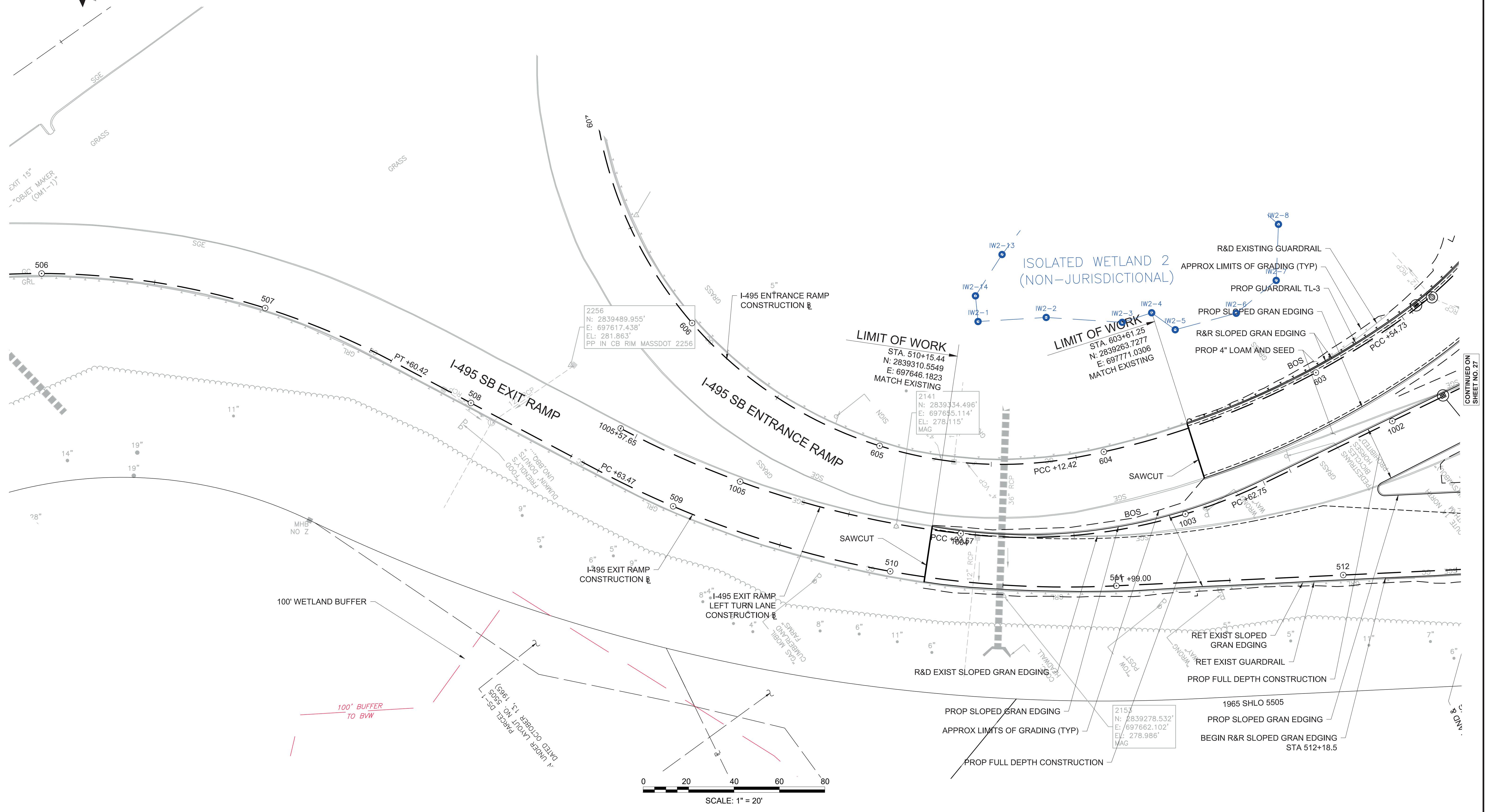
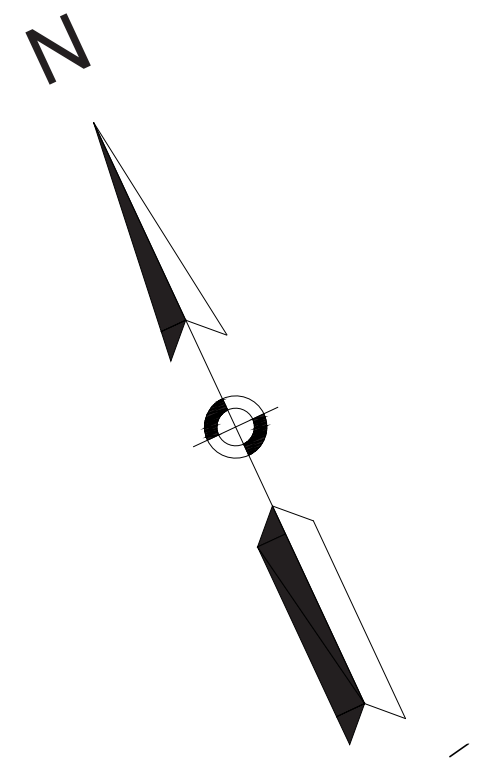




WRENTHAM, MA  
I-495 / ROUTE 1A RAMP

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	14	17
PROJECT FILE NO.		603739	

ENVIRONMENTAL PLANS  
SHEET 12 OF 13

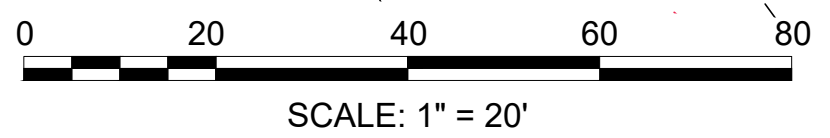


2256  
N: 2839489.955'  
E: 697617.438'  
EL: 281.863'  
PP IN CB RIM MASSDOT 2256

LIMIT OF WORK  
STA. 510+15.44  
N: 2839310.5549  
E: 697646.1823  
MATCH EXISTING

LIMIT OF WORK  
STA. 603+61.25  
N: 2839263.7277  
E: 697771.0306  
MATCH EXISTING

2157  
N: 2839278.532'  
E: 697662.102'  
EL: 278.986'  
MAG



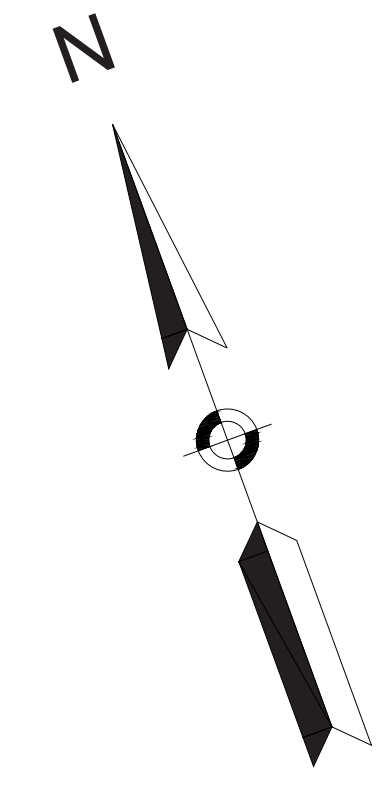
CONTINUED ON  
SHEET NO. 27



WRENTHAM, MA  
I-495 / ROUTE 1A RAMPS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	15	17
PROJECT FILE NO.		603739	

ENVIRONMENTAL PLANS  
SHEET 13 OF 13



RIGHT ARROW (SYMBOL)  
"ROUTE 1A SOUTH  
PLAINVILLE  
LEFT ARROW (SYMBOL)"

**LIMIT OF WORK**  
STA. 900+85.94  
N: 2840259.5857  
E: 698705.4753  
MATCH EXISTING

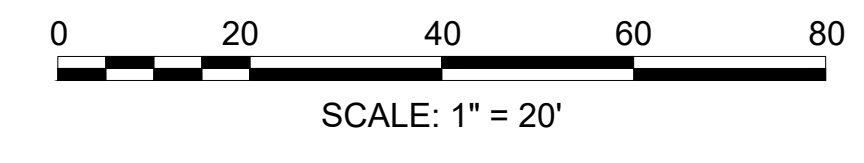
2016  
N: 2840189.463'  
E: 698871.374'  
EL: 290.713'  
REBAR/CAP

N/F  
GEORGE F. CAHILL TRUST  
BK/PG 30773/320  
807 SOUTH ST  
MAP/LOT K-05-4-6

2142  
N: 2840078.406'  
E: 698954.722'  
EL: 298.112'  
MAG

**LIMIT OF WORK**  
STA. 802+71.42  
N: 2840144.4963  
E: 698670.5743  
MATCH EXISTING

CONTINUED ON  
SHEET NO. 29

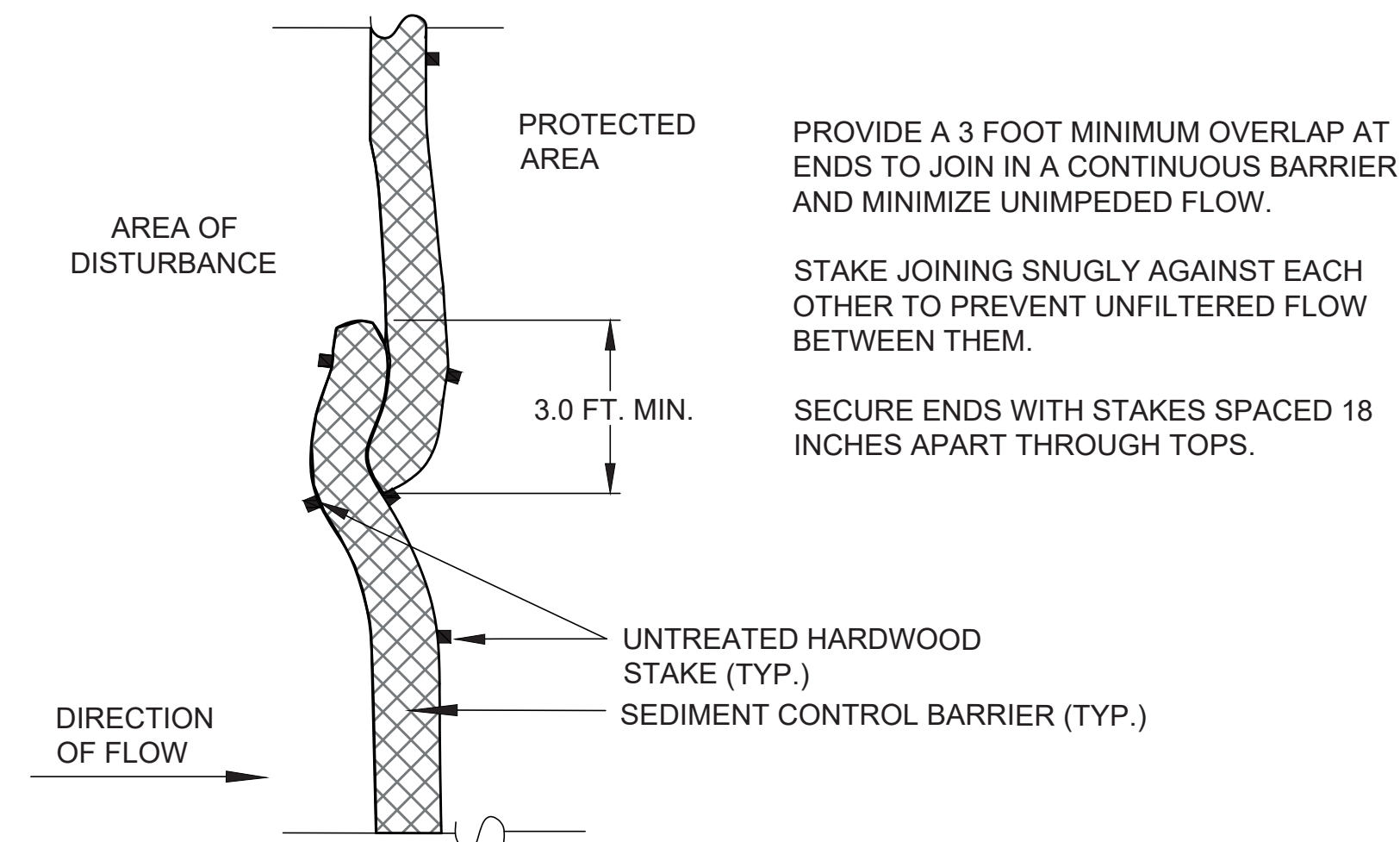




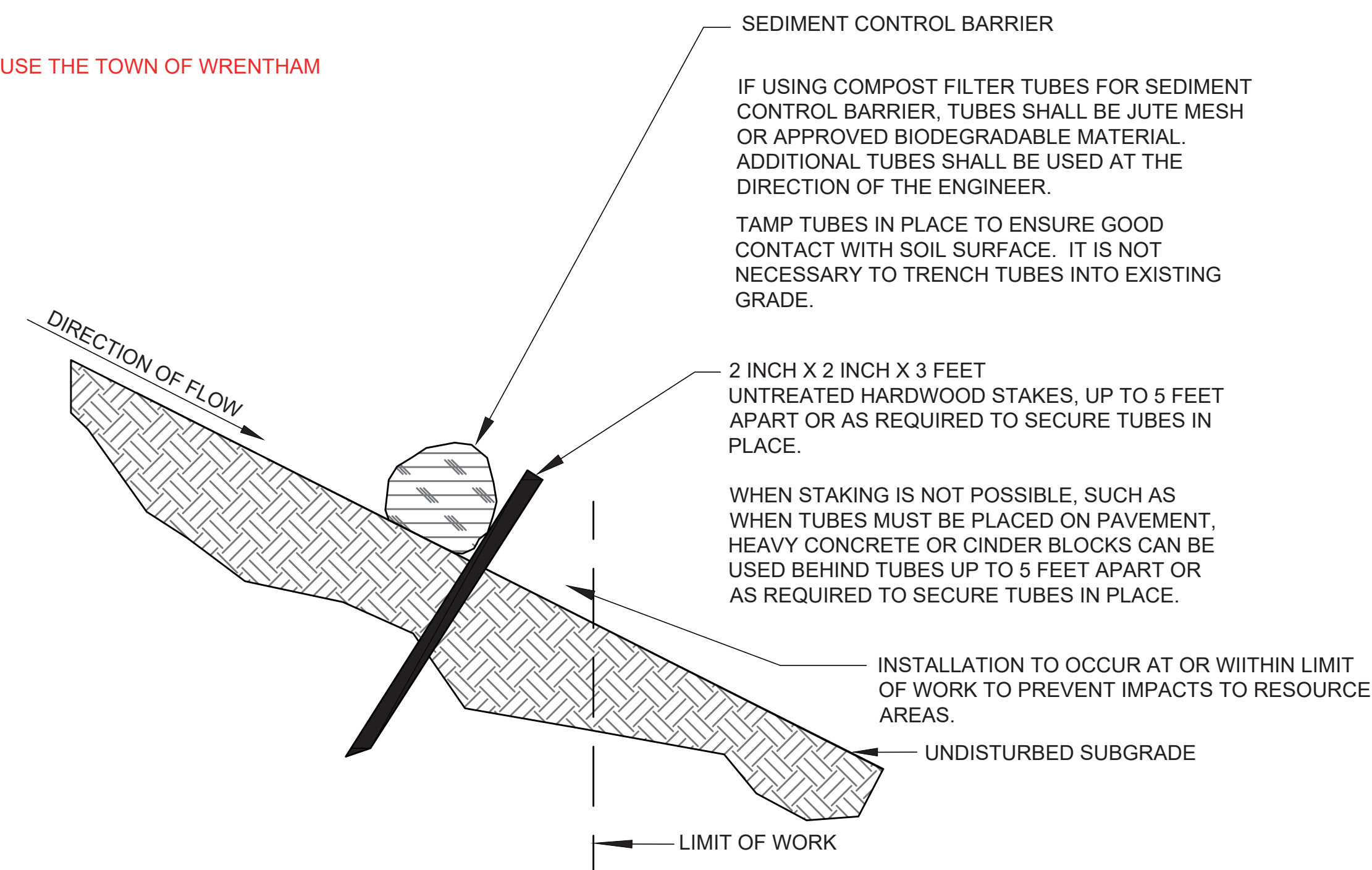
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	16	17
PROJECT FILE NO.		603739	

NOTES:

- INSTALL SEDIMENT CONTROL BARRIER ALONG CONTOURS AND PERPENDICULAR TO SHEET OR CONCENTRATED FLOW.
- DO NOT INSTALL IN PERENNIAL, EPHEMERAL OR INTERMITTENT STREAMS.
- CONFIGURE SEDIMENT CONTROL BARRIER AROUND EXISTING SITE FEATURES TO MINIMIZE SITE DISTURBANCE AND MAXIMIZE CAPTURE AREA OF STORMWATER RUN-OFF.
- FOR WORK ADJACENT TO WETLAND 3, PLEASE USE THE TOWN OF WRENTHAM RECOMMENDED COMPOST SOCK.



PLAN VIEW - JOIN DETAIL



SECTION VIEW

SEDIMENT CONTROL BARRIER

NOT TO SCALE

SPECIAL NOTES:

- NOTICE OF WORK STARTING: REQUIRES THE CONSTRUCTION SUPERVISOR TO CONTACT THE CONSERVATION AGENT FOR AN ON-SITE MEETING TO DISCUSS THE WORK PRIOR TO WORK BEGINNING.
- STORMWATER INSPECTIONS: THE EROSION CONTROLS AND STABILIZATION MATERIALS SHALL BE INSPECTED DAILY AND REPAIRED IMMEDIATELY OR AUGMENTED IF EROSION OCCURS.
- STABILIZATION MATERIALS: TEMPORARY STABILIZATION CONSISTING OF JUTE NETTING, A PROPER EROSION CONTROL BLANKET, STUMP GRINDINGS, WOOD CHIPS (AT LEAST 2-INCHES THICK), OR CHOPPED STRAW, NOT HAY (AT LEAST 3-INCHES THICK), MUST COVER ALL BARE SURFACES WITHIN THE BUFFER ZONE WITHIN 48-HOURS OF DISTURBANCE. ONCE A CONTRACTOR IS SELECTED BY MASSDOT, THE CONTRACTOR WILL PROVIDE A SPECIFICATION FOR THEIR PROPOSED TEMPORARY STABILIZATION TO THE TOWN OF WRENTHAM CONSERVATION AGENT FOR APPROVAL PRIOR TO INSTALLATION.
- NO IMPORTED SOIL IS TO BE USED TO PREVENT THE SPREAD OF INVASIVE PLANTS AND INSECTS.

TOWN OF WRENTHAM - COMPOST SOCK  
TO BE INSTALLED AT LIMIT OF WORK ADJACENT TO WETLAND 3  
(AS LABELED ON SHEET 3)

Wrentham Conservation Commission  
Specifications for Mulch Filter Tubes ("Compost Socks")

The purpose of Mulch Filter Tubes is to provide a linear embankment of organic material, to be placed in the path of stormwater flows for the purpose of filtering a substantial portion of the suspended sediments from the flow. This item shall conform to the following requirements:

- The filter tube exterior shall be 100% organic burlap or other approved biodegradable material, and will become incorporated with the organic interior material.
- Organic matter content shall be between 20-100% (dry weight basis) as determined by ASTM D2974 (method A) Standard Test Methods for Moisture, Ash and Organic Matter of Peat and Other Organic Soils.
- Moisture content shall be <150% by dry weight (<60% by wet weight) as measured by ASTM D2216 Standard Test Method for Laboratory Determination of Water Content of Soil and Rock and ASTM D2974 (cited above).
- Particle size as measured by sieving shall be as follows:

Sieve Size	% Passing
75 mm	100%
19 mm	70-100%
#4	30-75%
#20	20-40%

No particle may be longer than 150 mm.
- Soluble salts in the organic interior material shall be <5.0 mmhos/cm, and the pH of same shall be between 5.5 and 8.0.

MAINTENANCE NOTES

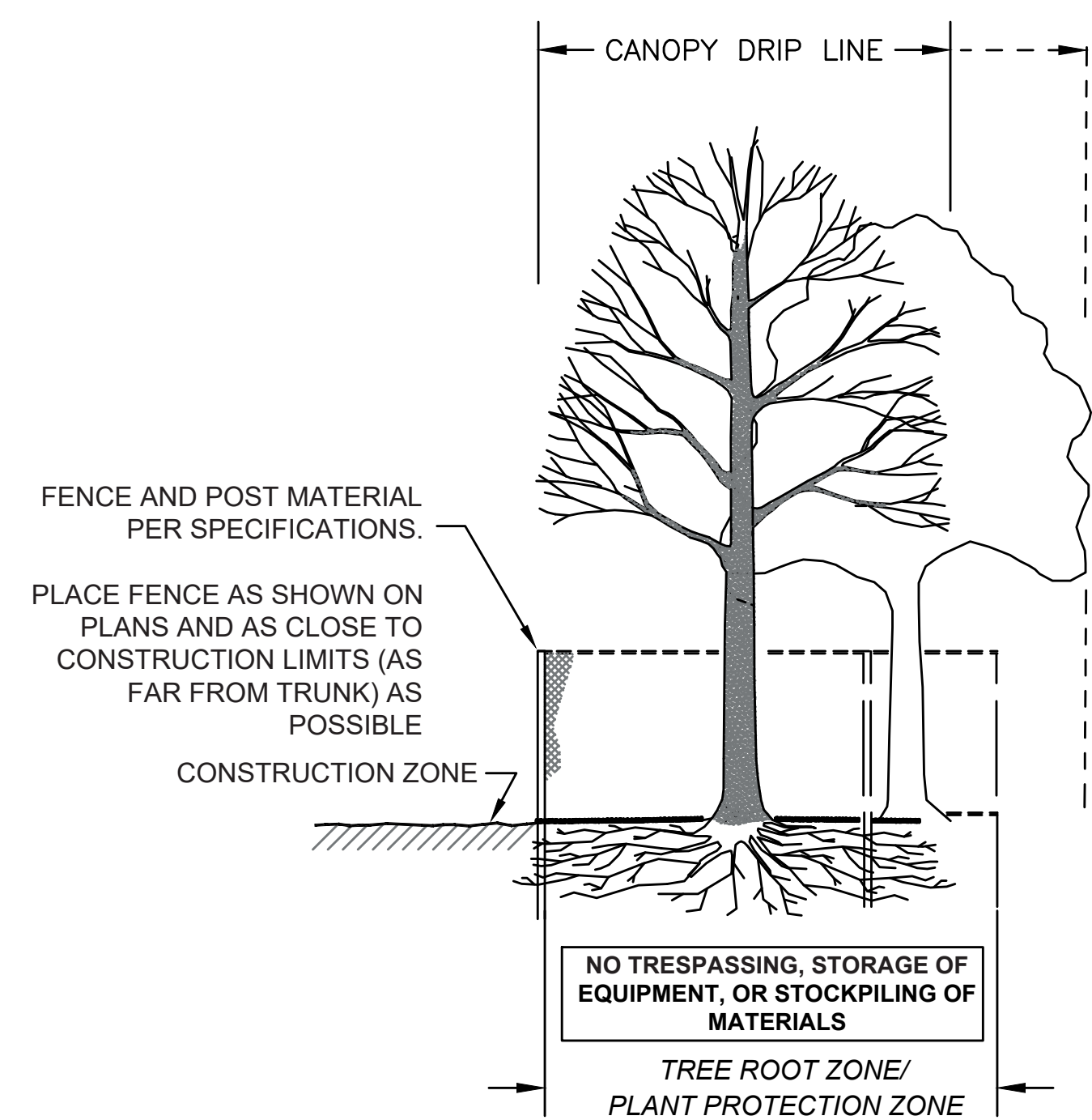
The Contractor shall maintain the filter tubes in a functional condition at all times, including inspections after each rainfall and at least daily during prolonged rainfall. Contractor shall immediately correct all deficiencies, such as gaps in coverage, overtopping, clogging with sediment, erosion, or otherwise becoming ineffective. Any filter tube which has broken open or otherwise had its functioning compromised shall be immediately replaced, and all mulch from the filter tube interior spilled in any area intended to be protected by the filter tube shall be immediately removed. Contractor shall make a daily review of the location of the berm in areas where construction activity causes drainage runoff to ensure that the tube is properly located for effectiveness. Where deficiencies exist, such as gaps in coverage, overtopping, or wash-out, corrective action shall be taken immediately, consistent with the Negative Determination with Special Conditions or Order of Conditions, or as approved or directed by the Commission or its Agent. Contractor shall remove sediment deposits as necessary to maintain the filters in working condition. Sediment also must be removed when it reaches a level equal to one-half the effective height of the installed filter tube.

REMOVAL NOTES

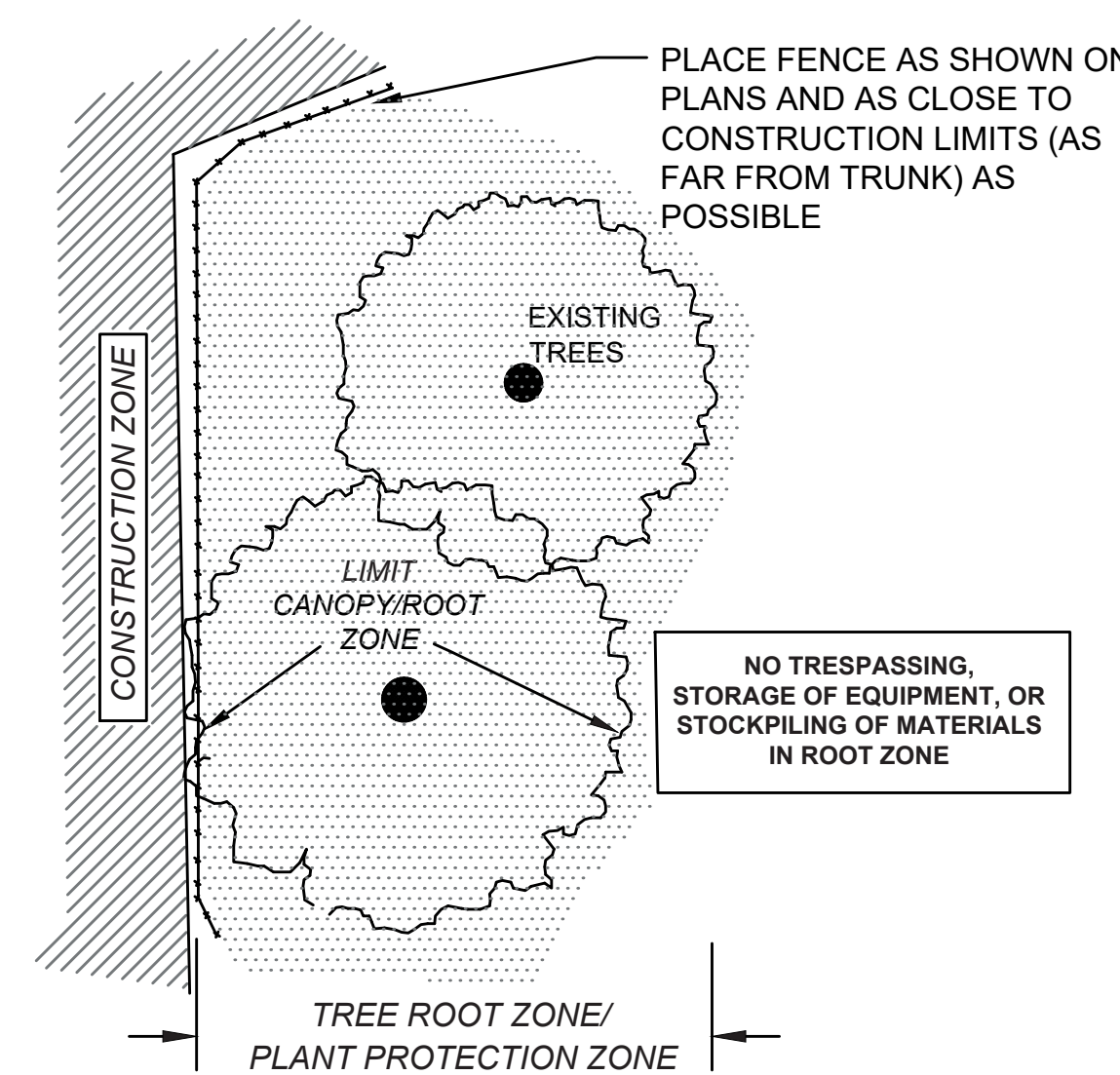
The Contractor shall rake out filter berms so that filter material is no greater than 3" in depth on soil substrate. Typically, filter tubes are to be removed at the same point in the construction process as conventional erosion control materials such as hay bales and silt fence would be. In appropriate cases, the Commission or its Agent may direct that the tubes and/or their contents remain in place to decompose naturally. If only the interior material is to remain, the exterior tubing material shall be cut and removed and disposed of off-site by the Contractor. Filter material remaining shall be raked per the above instructions.

OTHER NOTES

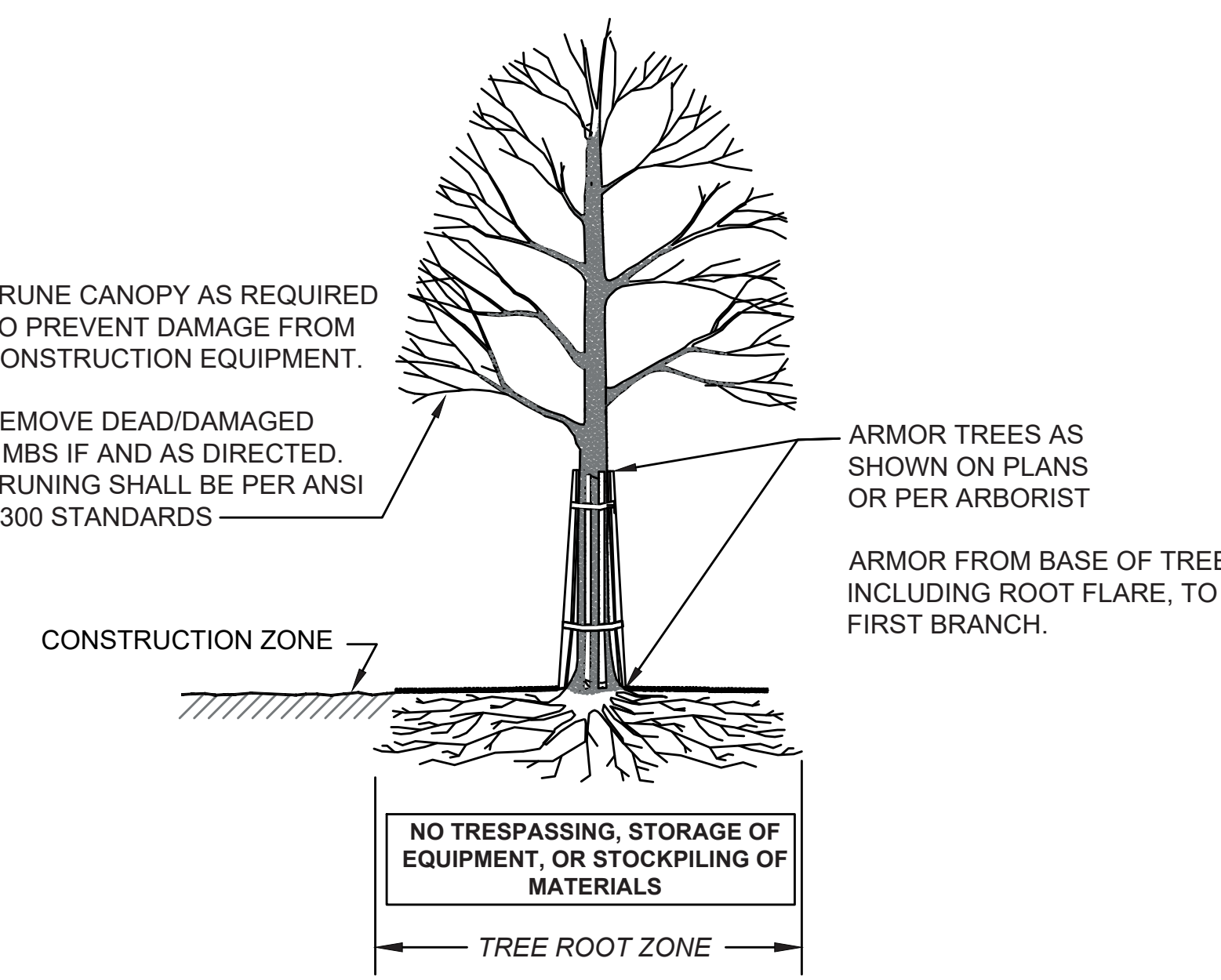
The diameter or height of the filter tubes or compound filter tubes to be used may be specified by the Commission in its Negative Determination with Special Conditions or Order of Conditions. Steeper slopes may require the use of compound filter tubes to create a berm.



FENCE PROTECTION OF ROOT ZONE - SECTION VIEW



FENCE PROTECTION OF ROOT ZONE - PLAN VIEW

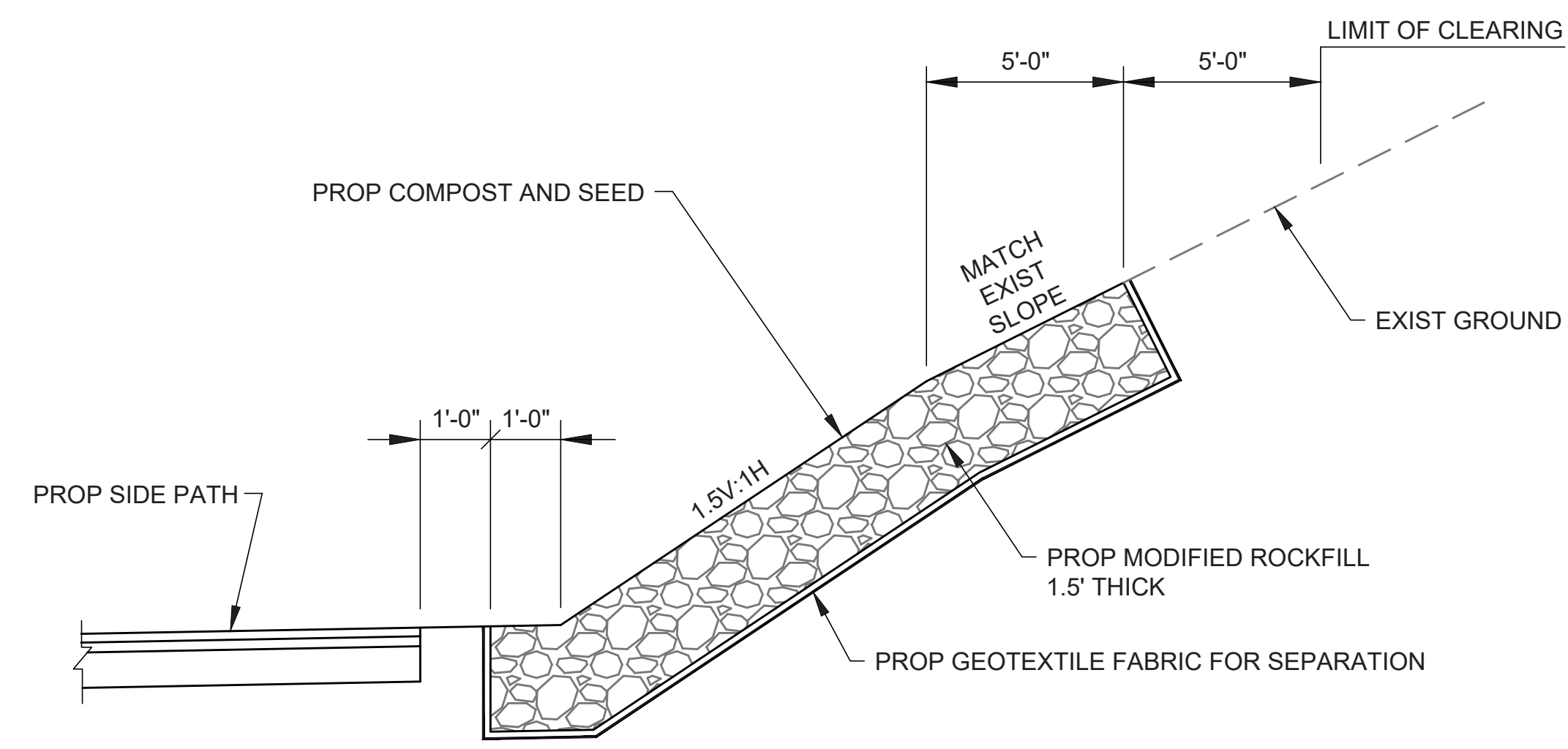


SECTION - TRUNK ARMORING & PRUNING

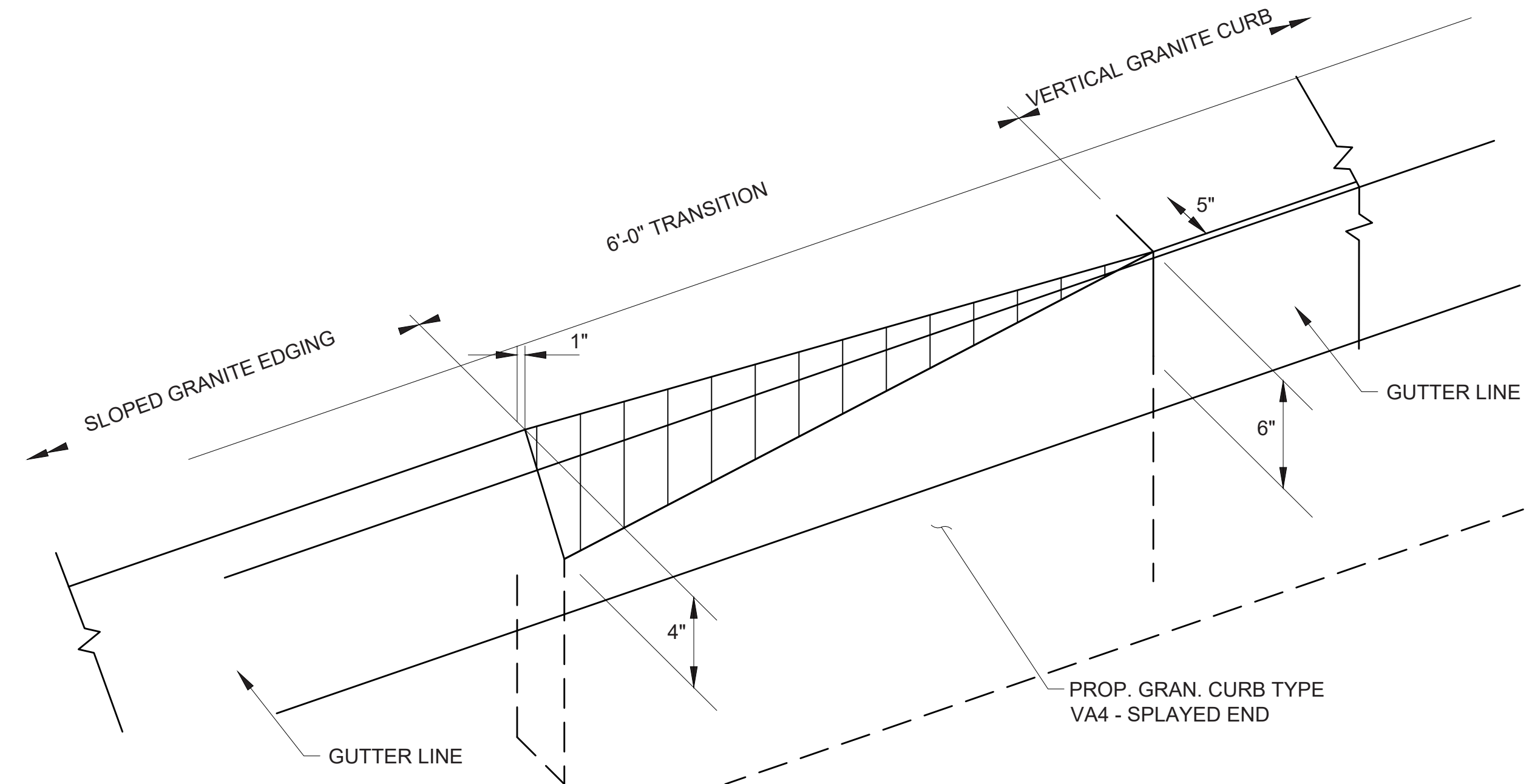
TREE PROTECTION  
NOT TO SCALE



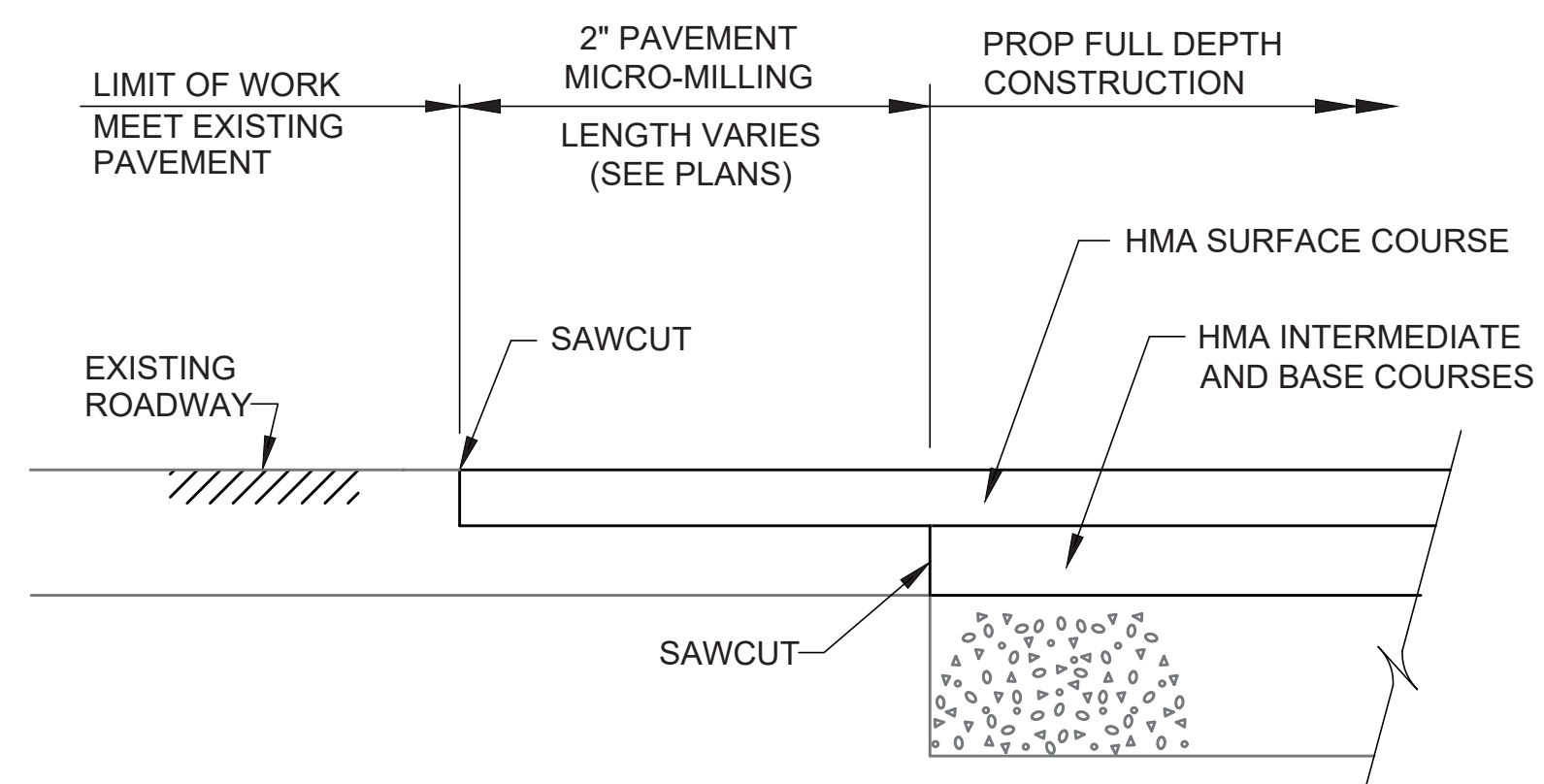
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	17	17
PROJECT FILE NO.		603739	



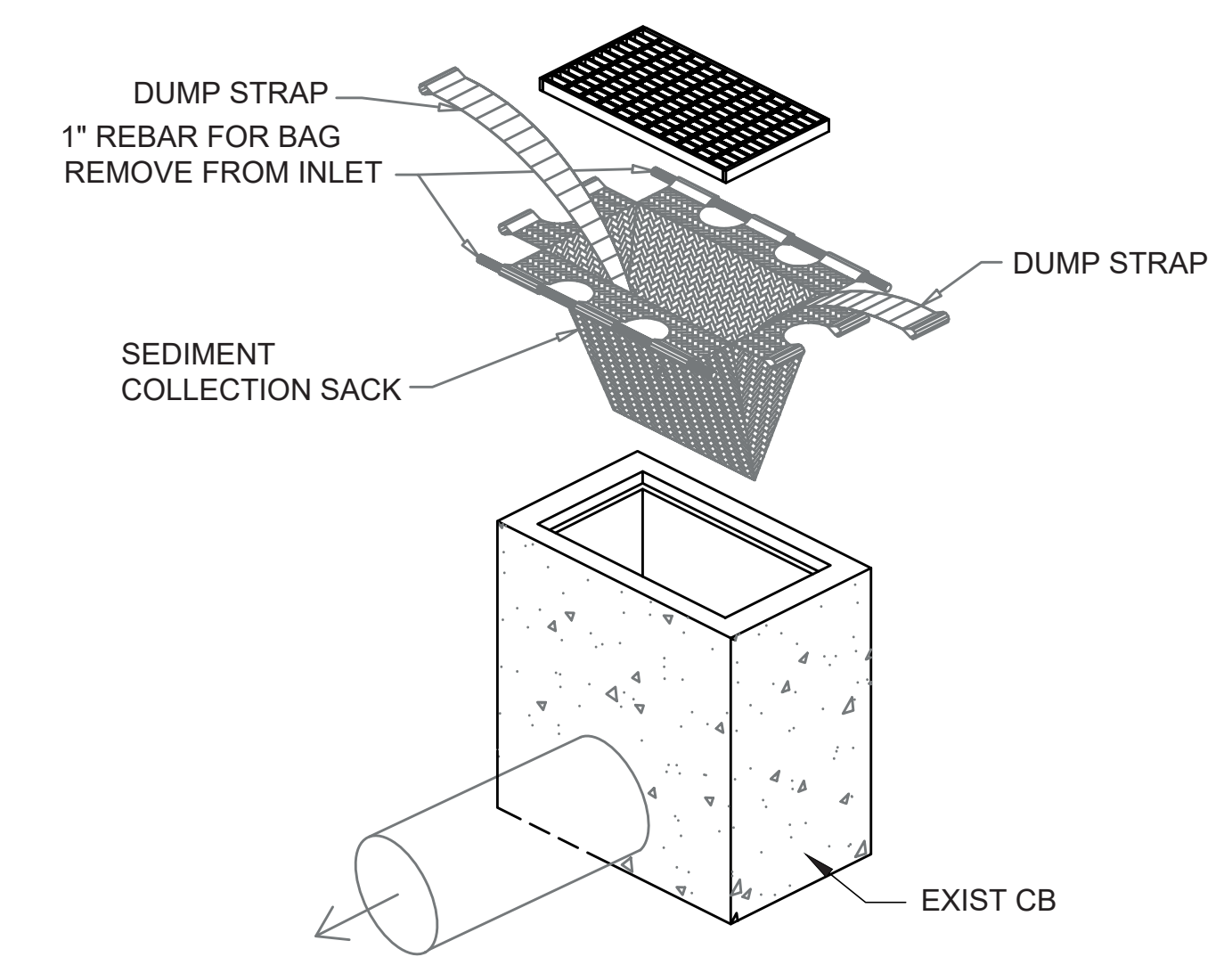
ROUTE 1A STA 131+50 RT TO STA 132+75 RT  
**MODIFIED ROCKFILL SLOPE**  
NOT TO SCALE



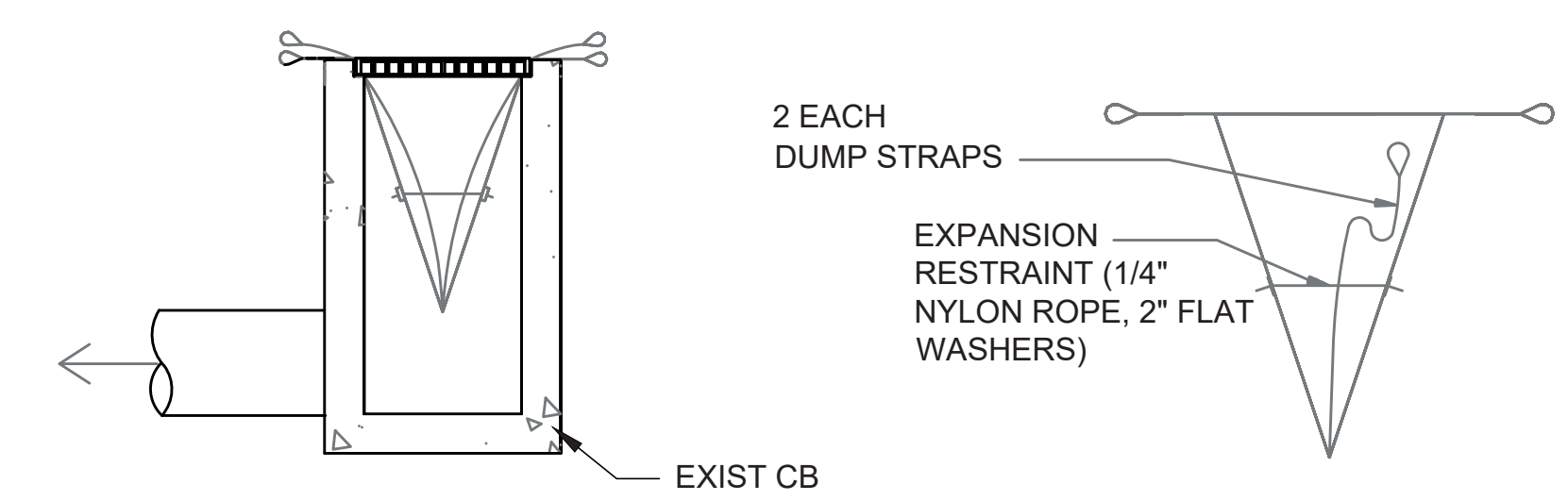
**GRANITE CURB TYPE VA4 - SPLAYED END**  
NOT TO SCALE



**PAVEMENT TRANSITION**  
NOT TO SCALE

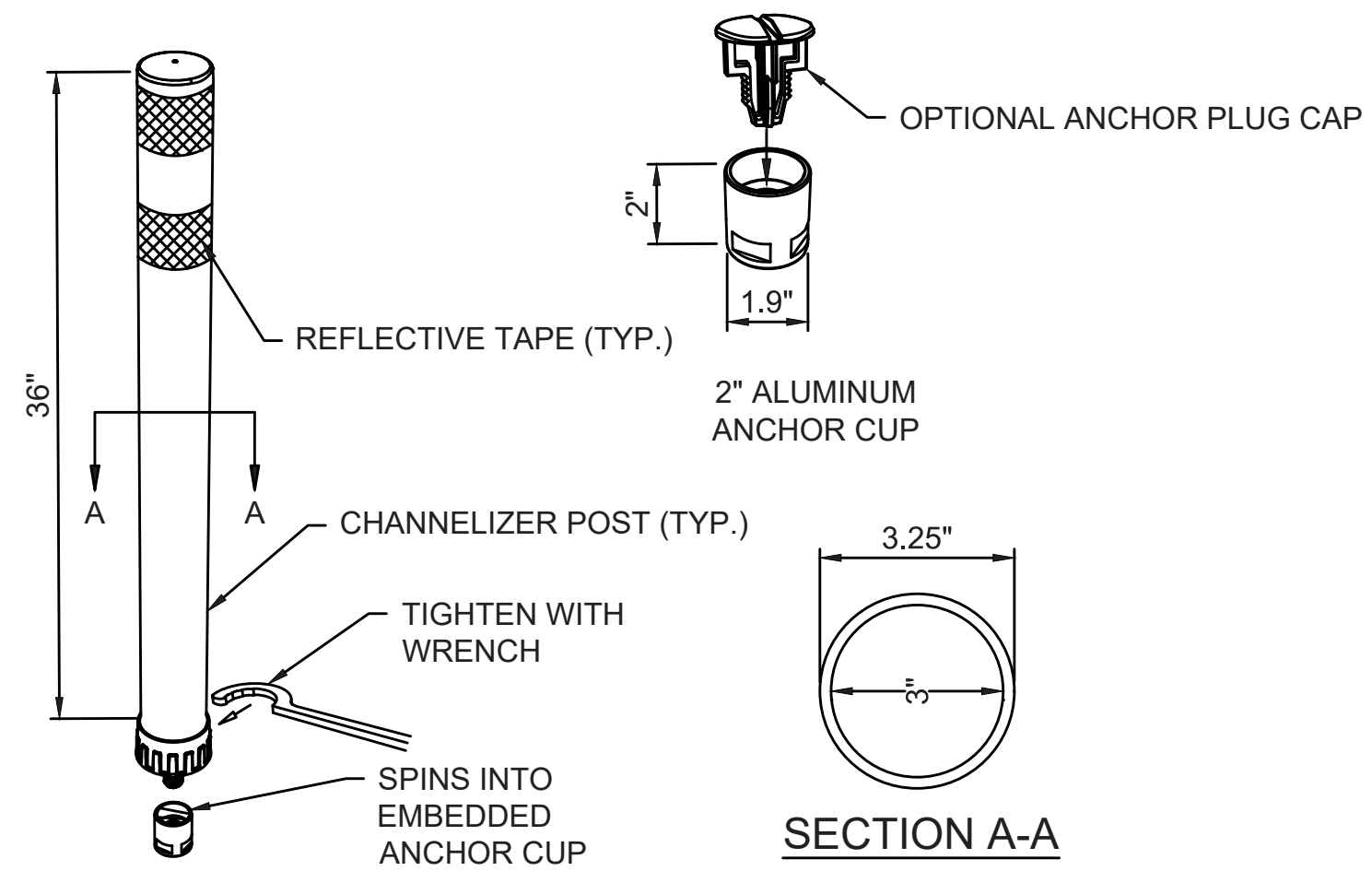


INSTALLATION DETAIL



BAG DETAIL

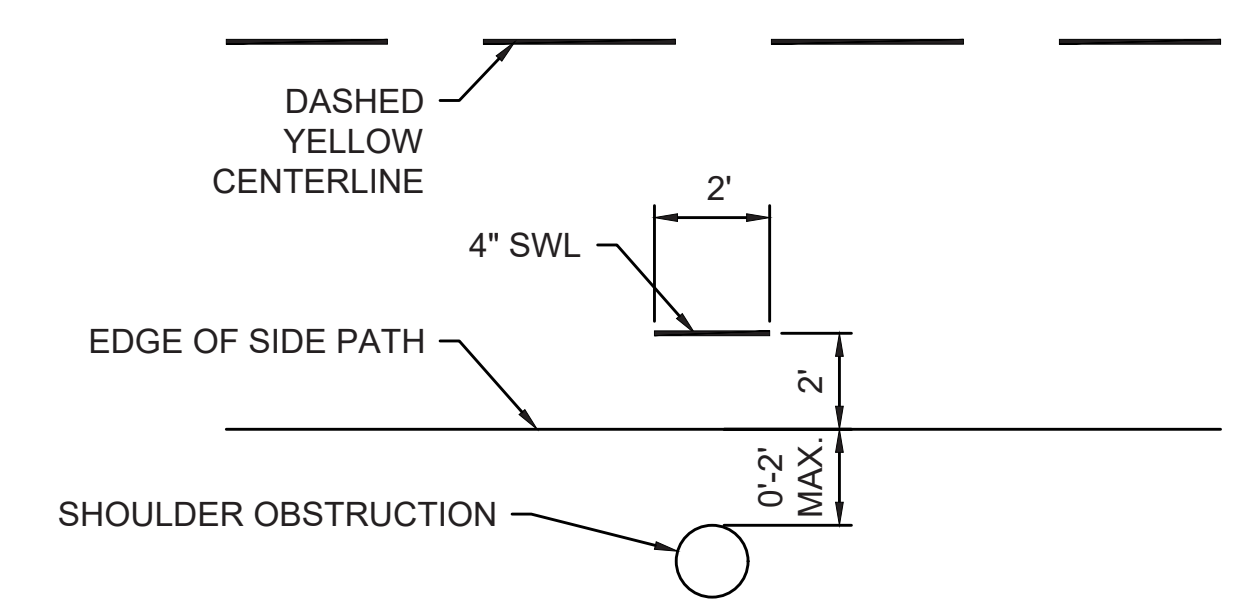
**SILT SACK**  
NOT TO SCALE



**FLEXPOSTS NOTES:**

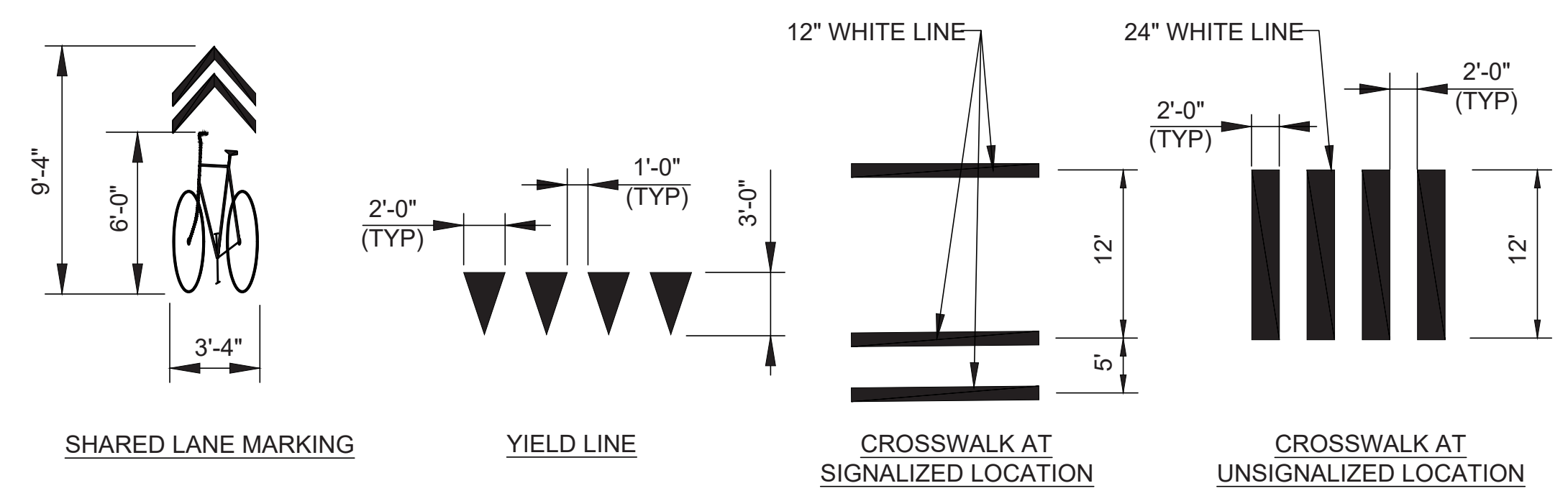
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DIMENSIONS, MATERIALS, AND ATTACHMENTS MAY VARY BETWEEN MANUFACTURERS.
3. COLOR OF POST SHALL MATCH COLOR OF APPLICABLE PAVEMENT MARKING LINE PER MASSDOT SPECIFICATIONS.
4. INSTALLATION WILL BE LOCATED IN THE CENTER OF THE SIDEPATH, 1' BACK FROM THE EDGE OF THE BIKE RAMP.

**36" CORED BASE FLEXPOST DETAIL**  
NOT TO SCALE



NOTE: THE SIDE PATH SHOULDER OBSTRUCTION MARKING SHALL BE APPLIED AT ANY OBSTRUCTION WHERE THERE IS LESS THAN 2' FROM EDGE OF SIDE PATH TO FACE OF THE OBSTRUCTION.

**SIDE PATH SHOULDER OBSTRUCTION PAVEMENT MARKING DETAIL**  
NOT TO SCALE



**PAVEMENT MARKING DETAILS**  
NOT TO SCALE

SHARED LANE MARKING

YIELD LINE

CROSSWALK AT SIGNALIZED LOCATION

CROSSWALK AT UNSIGNALIZED LOCATION