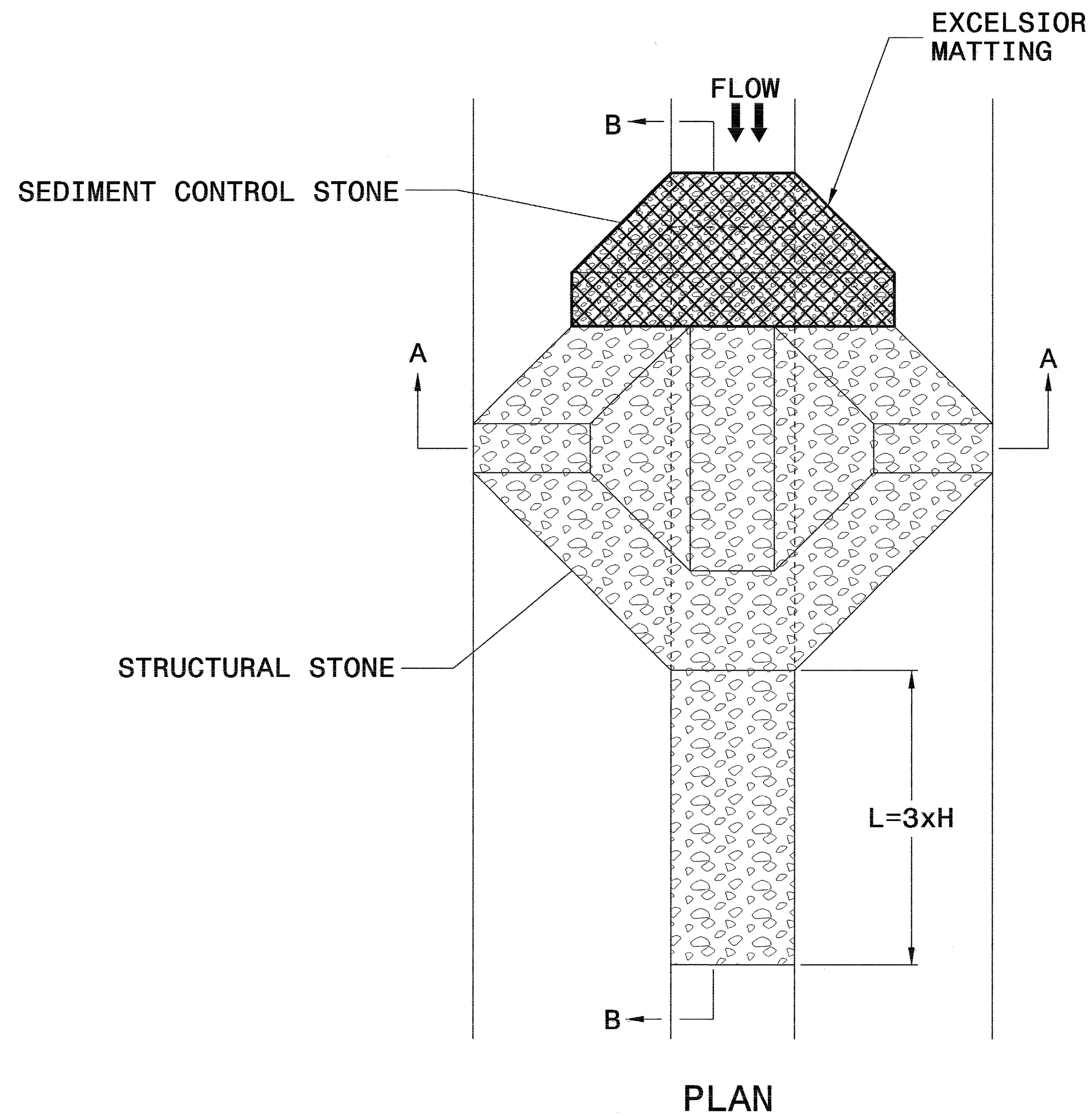


PROJECT REFERENCE NO. U-3804	SHEET NO. EC-2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TEMPORARY ROCK SILT CHECK TYPE 'A' WITH EXCELSIOR MATTING AND POLYACRYLAMIDE (PAM)

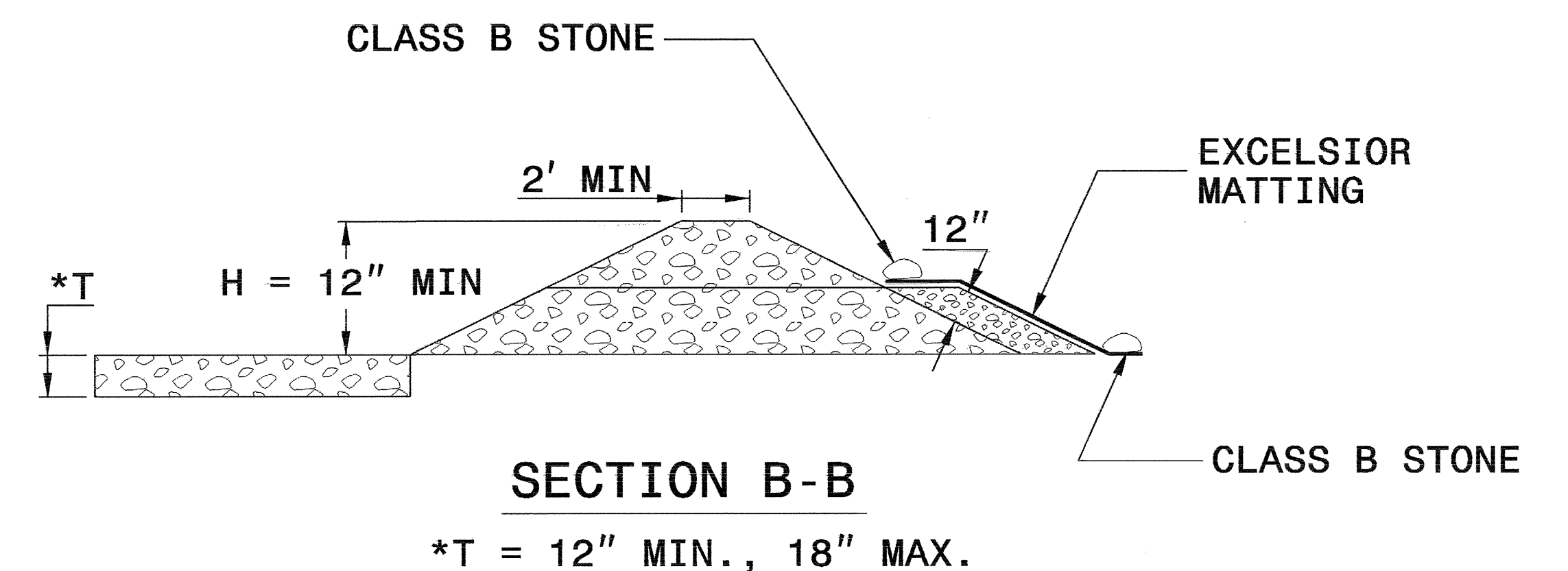
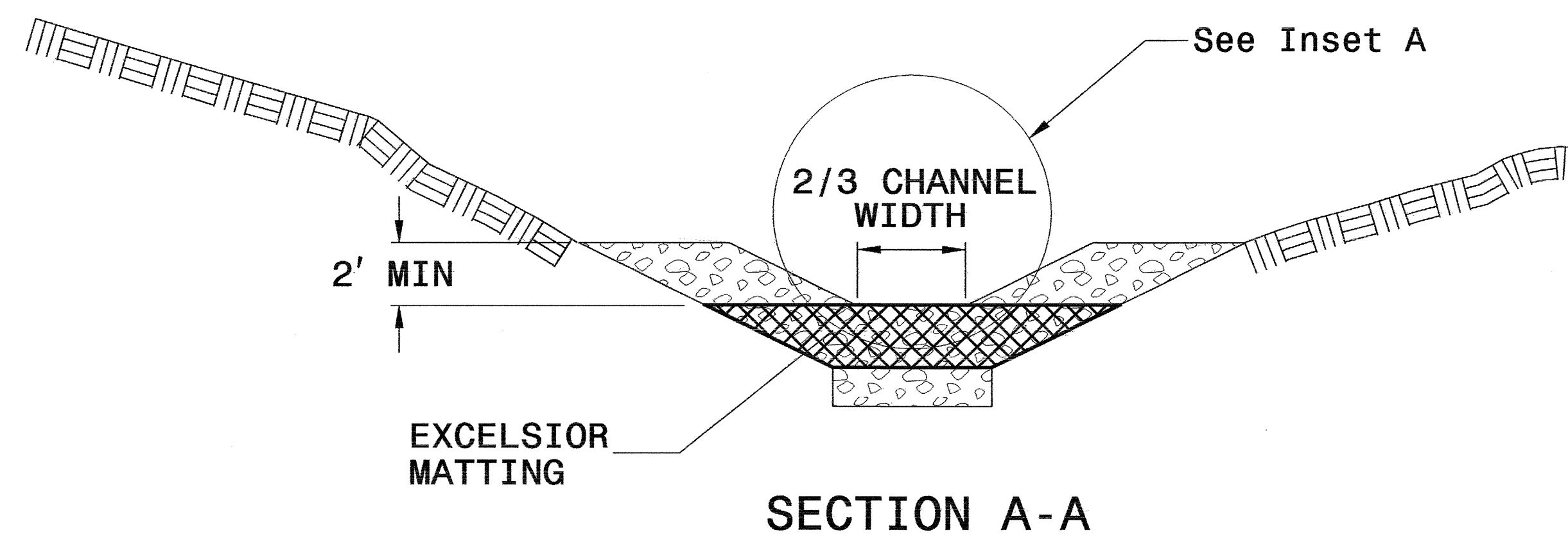
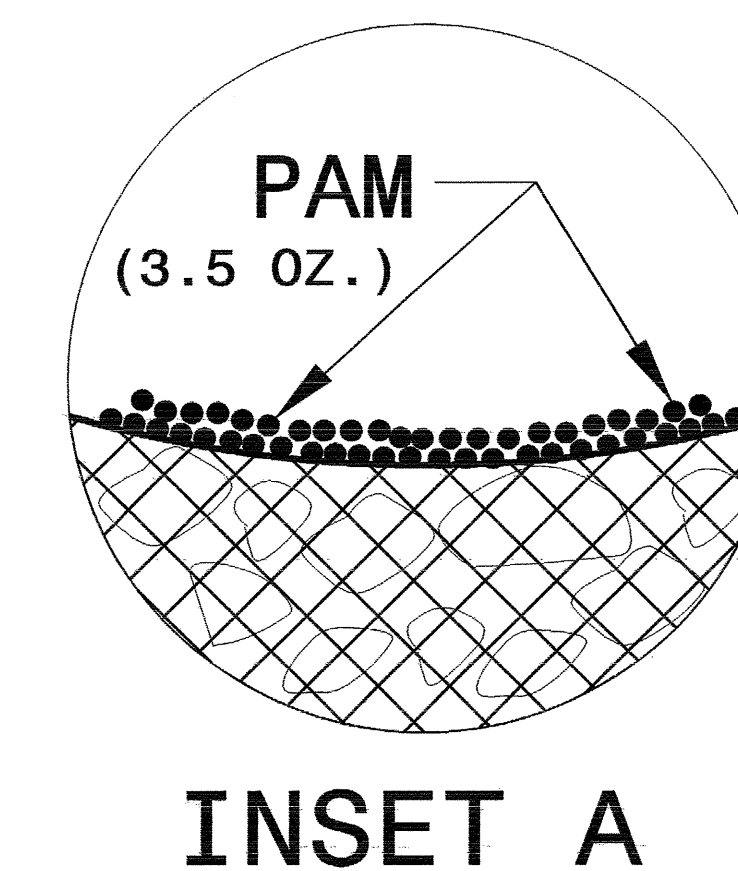


NOTES

USE EXCELSIOR FOR MATTING MATERIAL AND ANCHOR MATTING SECTION AT TOP AND BOTTOM WITH CLASS B STONE.

PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH ROCK SILT CHECK.

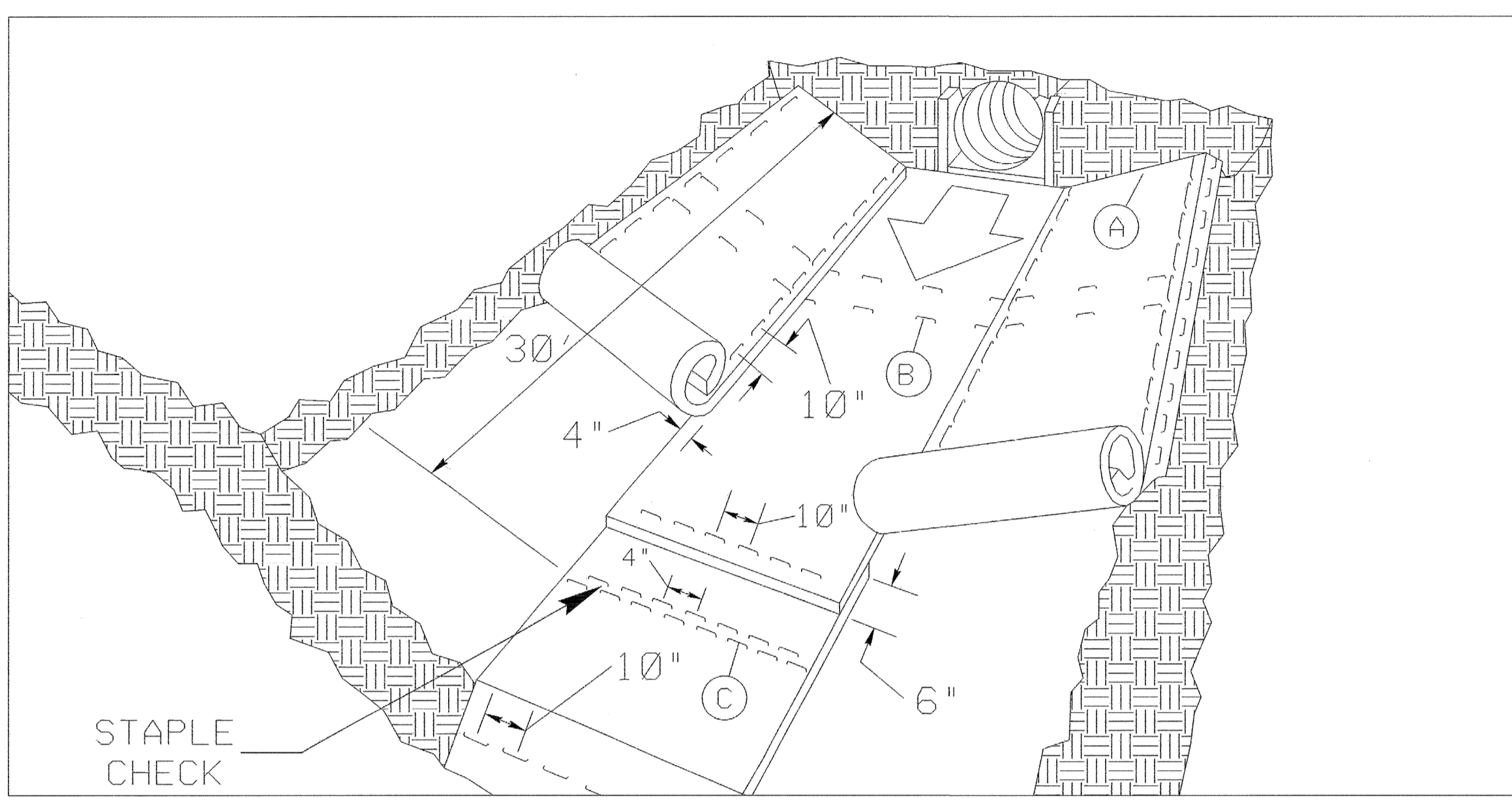
INITIALLY APPLY 3.5 OUNCES OF POLYACRYLAMIDE (PAM) TO TOP OF MATTING SECTION AND AFTER EVERY RAINFALL EVENT THAT EQUALS OR EXCEEDS 0.50 INCHES.



NOT TO SCALE

PROJECT REFERENCE NO. U-3804	SHEET NO. EC-2A
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MATTING INSTALLATION DETAIL



MATTING IN DITCHES

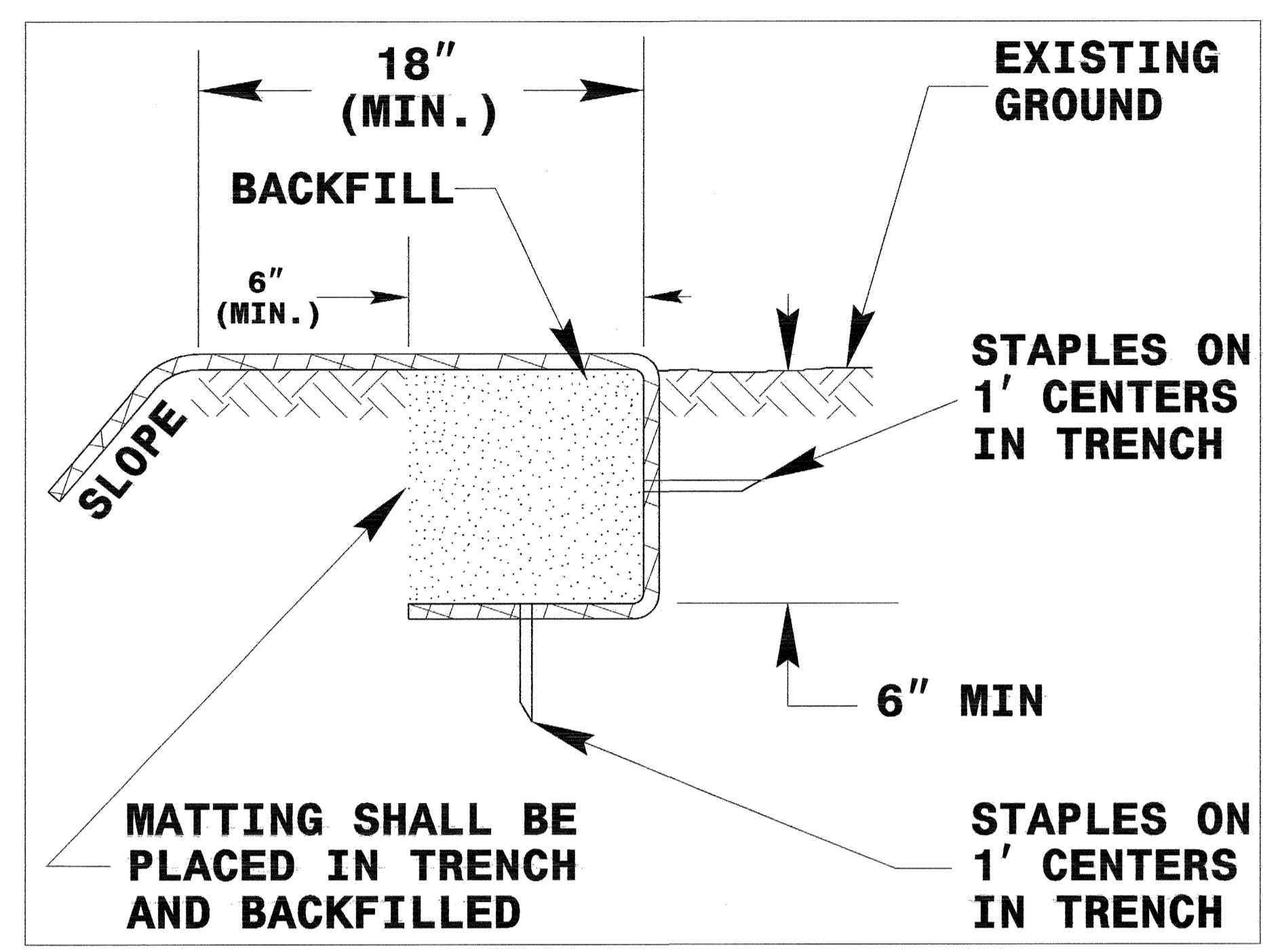
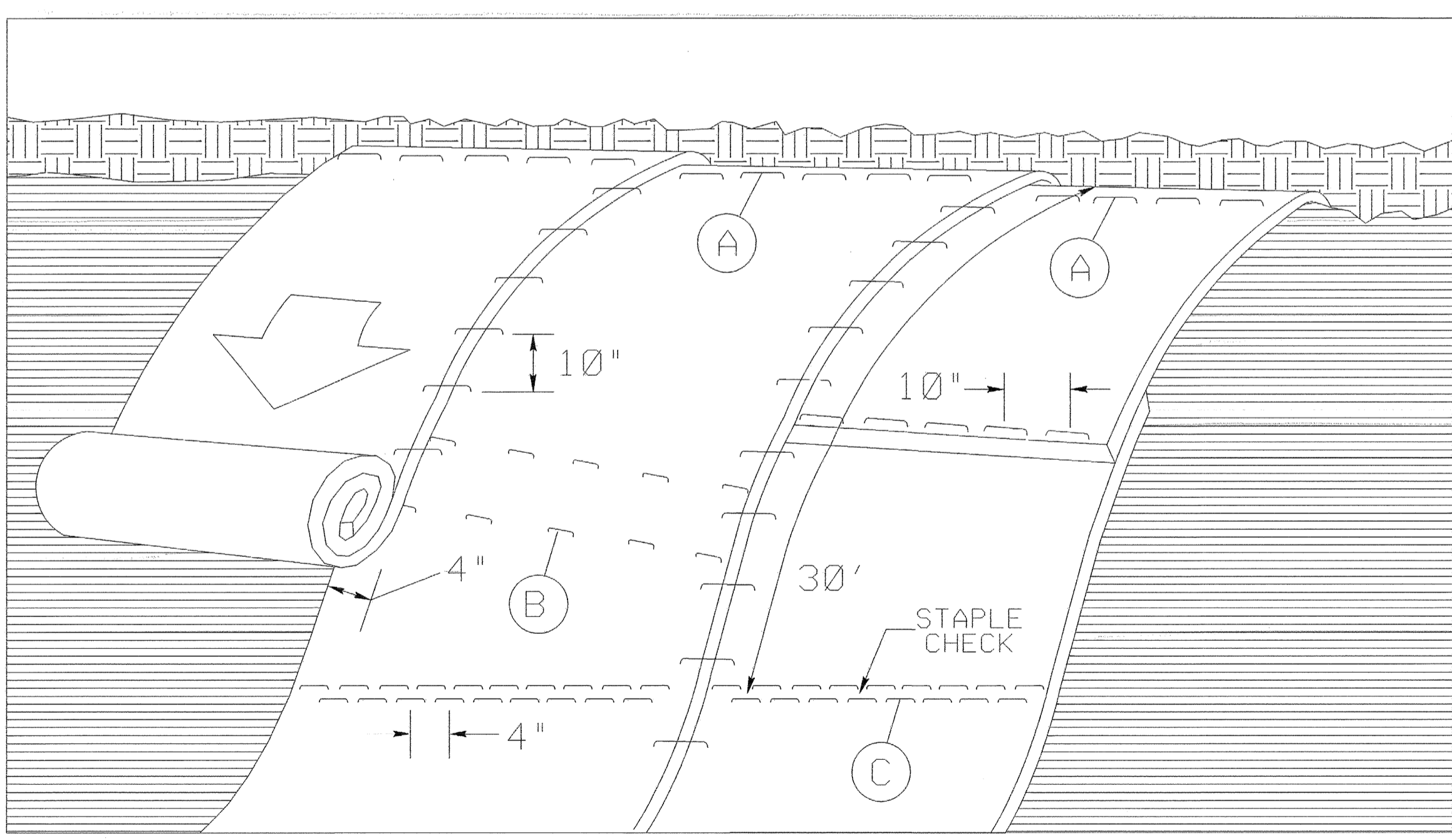


DIAGRAM (A)



MATTING ON SLOPES

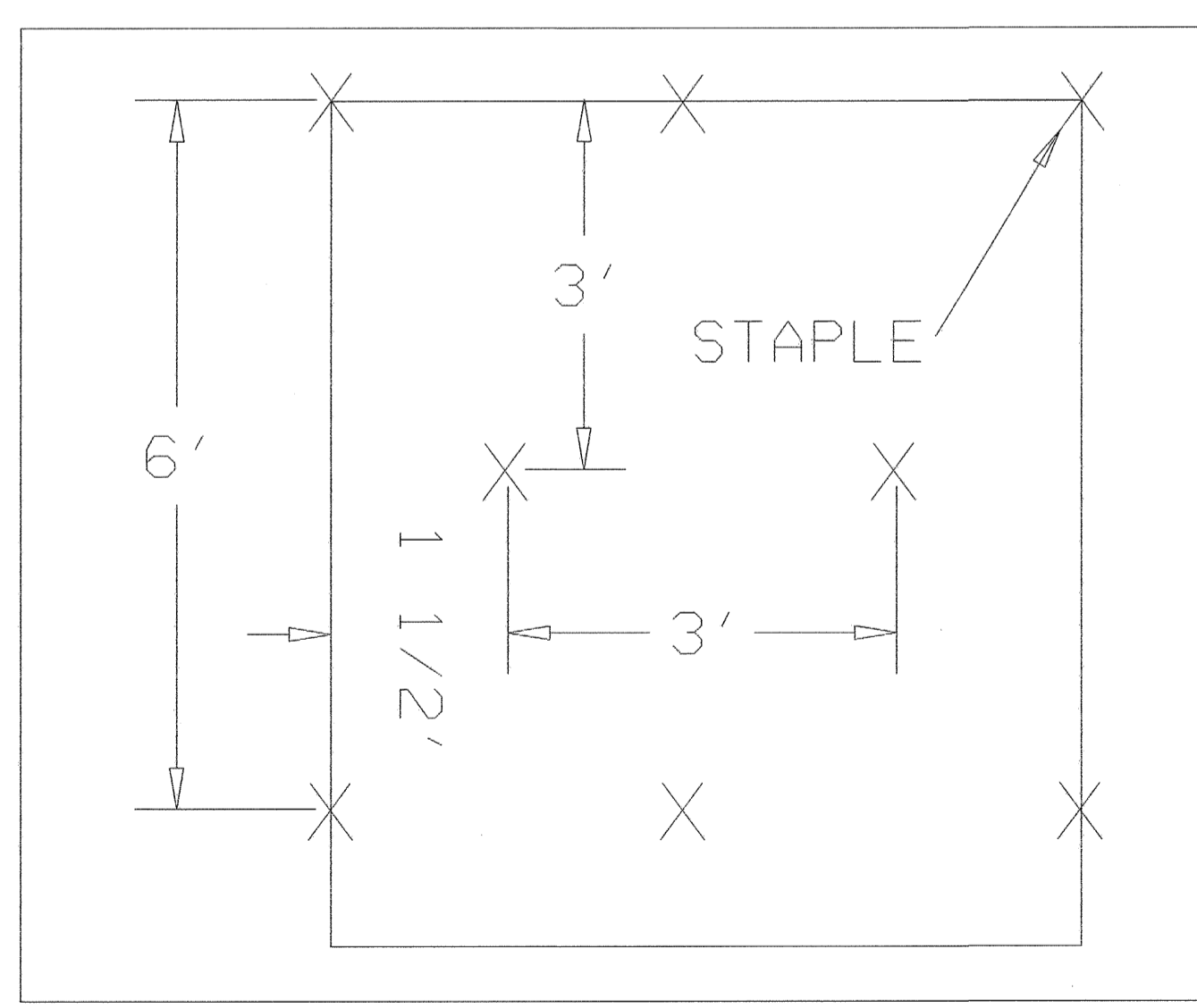


DIAGRAM (B)

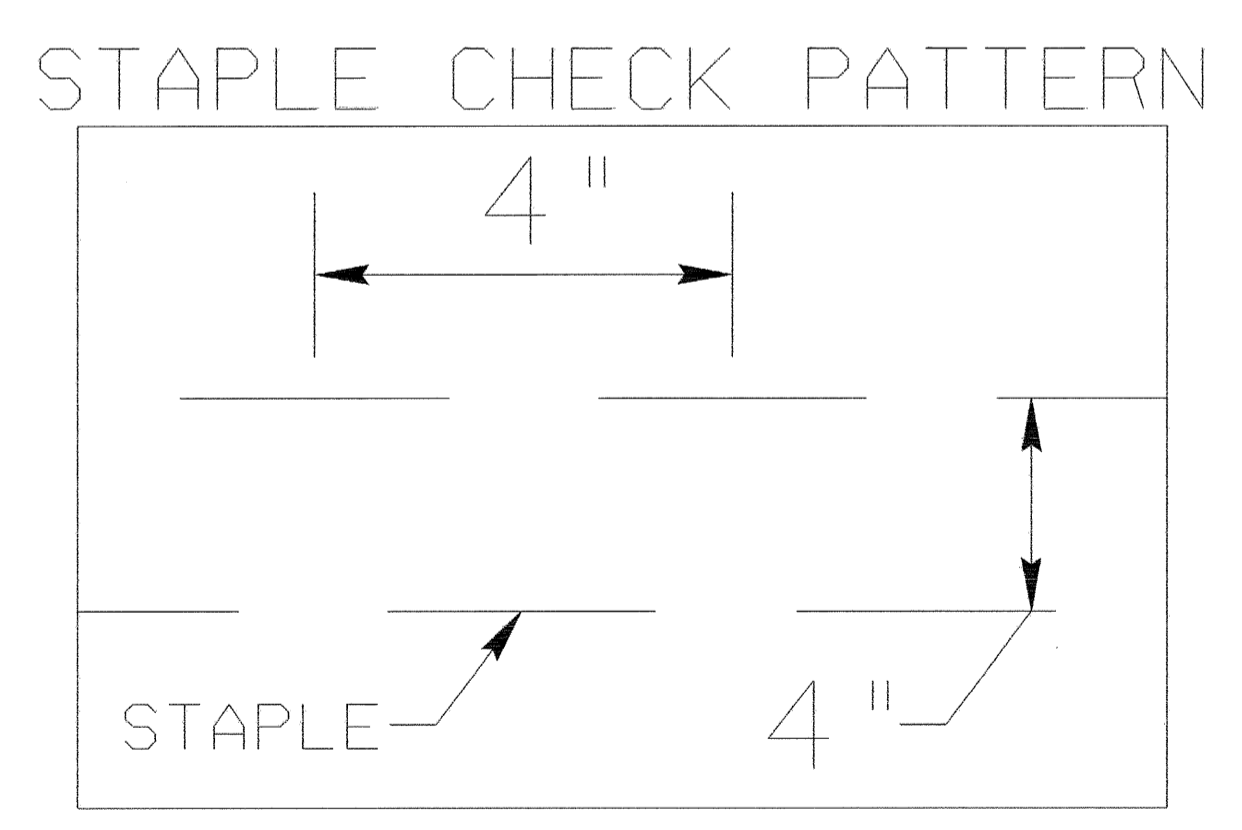


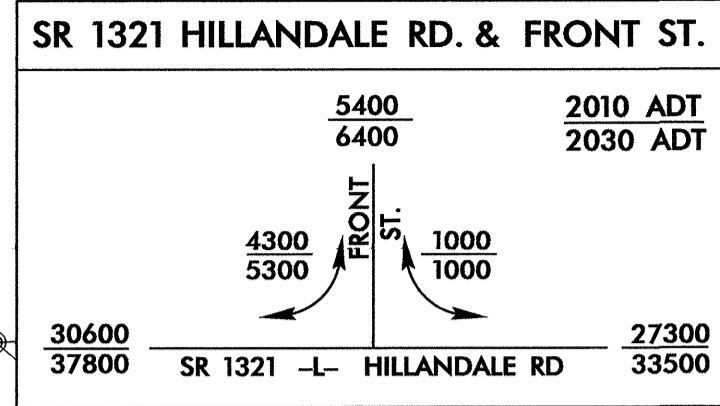
DIAGRAM (C)

NOTES:
 THIS DETAIL APPLIES TO STRAW, EXCELSIOR, AND PERMANENT SOIL REINFORCEMENT MAT (PSRM) INSTALLATION.
 STAPLES SHALL BE NO. 11 GAUGE STEEL WIRE FORMED INTO A "U" SHAPE WITH A MINIMUM THROAT WIDTH OF 1 INCH AND NOT LESS THAN 6 INCHES IN LENGTH.

NOT TO SCALE

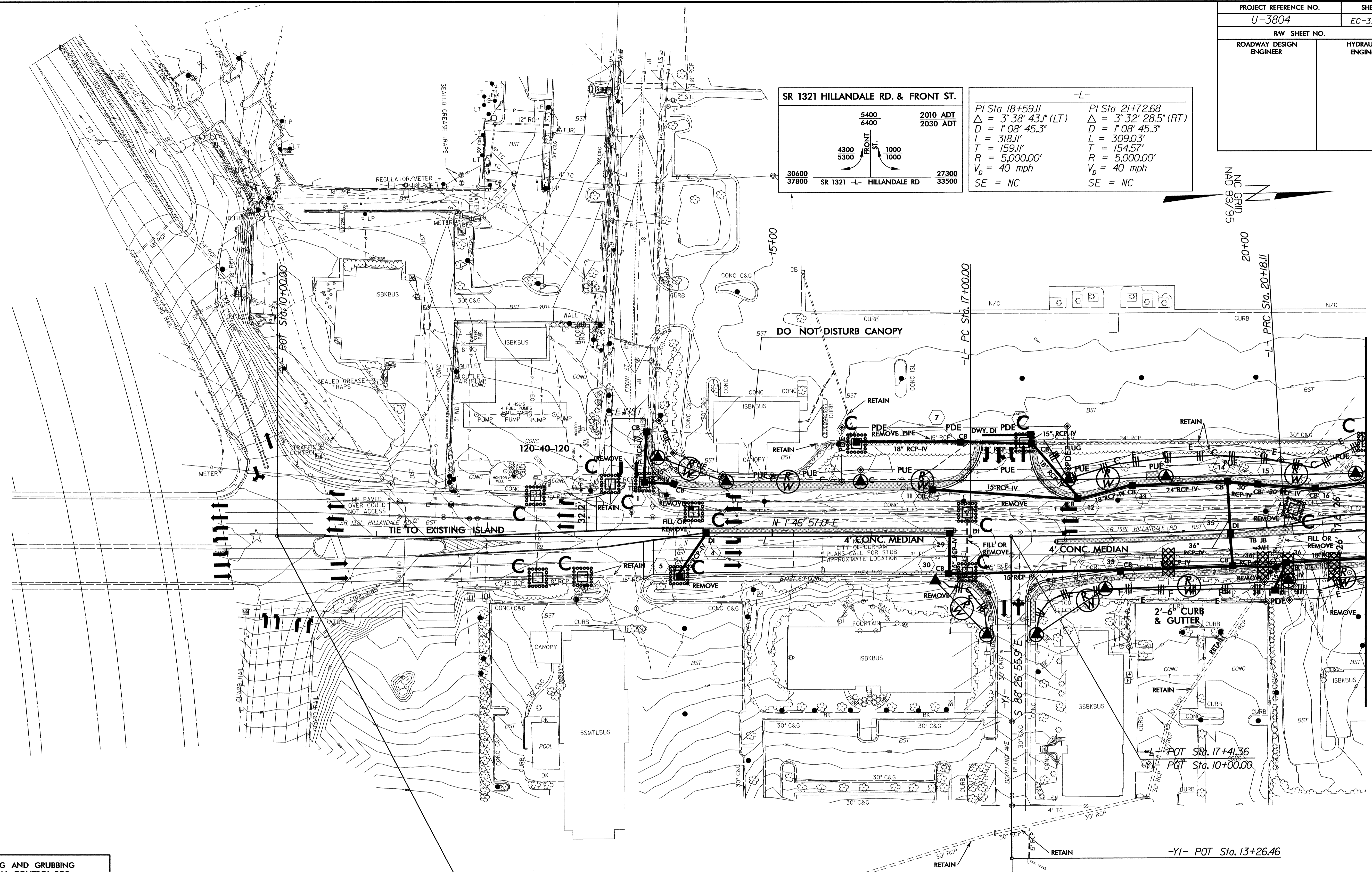
8/17/99

PROJECT REFERENCE NO.	SHEET NO.
U-3804	EC-3/CONST.4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



-L-

PI Sta 18+59.11	PI Sta 21+72.68
$\Delta = 3^{\circ} 38' 43.1''$ (LT)	$\Delta = 3^{\circ} 32' 28.5''$ (RT)
$D = 1^{\circ} 08' 45.3''$	$D = 1^{\circ} 08' 45.3''$
$L = 318.11'$	$L = 309.03'$
$T = 159.11'$	$T = 154.57'$
$R = 5,000.00'$	$R = 5,000.00'$
$V_o = 40$ mph	$V_o = 40$ mph
SE = NC	SE = NC



CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

BEGIN PROJECT
-L- POT STA 10+00.00

END CONST.
-YI- POT STA 10+90.00

- MONOLITHIC ISLAND
- SIDEWALK
- BUS STOP SHELTER PAD

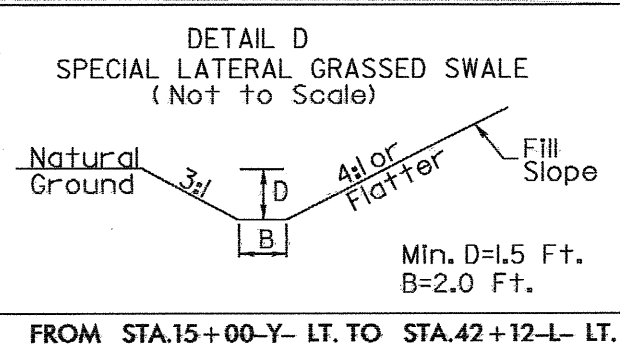
- EXISTING SIGNAL
- NEW SIGNAL
- SEE SHEET 2-C FOR DETAILS OF ISLAND
- SEE SHEET 9 FOR -L- PROFILE
- SEE TRAFFIC CONTROL PLANS FOR WCR LOCATIONS

MATCHLINE -L- STA 21+00 SEE SHEET NO. 5

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 AT: BENJAMIN
 nchan

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 6

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.



-L-
PI Sta 47+52.12
 $\Delta = 4' 10' 19.1''$ (RT)
D = 1'08' 45.3"
L = 364.07'
T = 182.12'
R = 5,000.00'
V_b = 40 mph
SE = NC

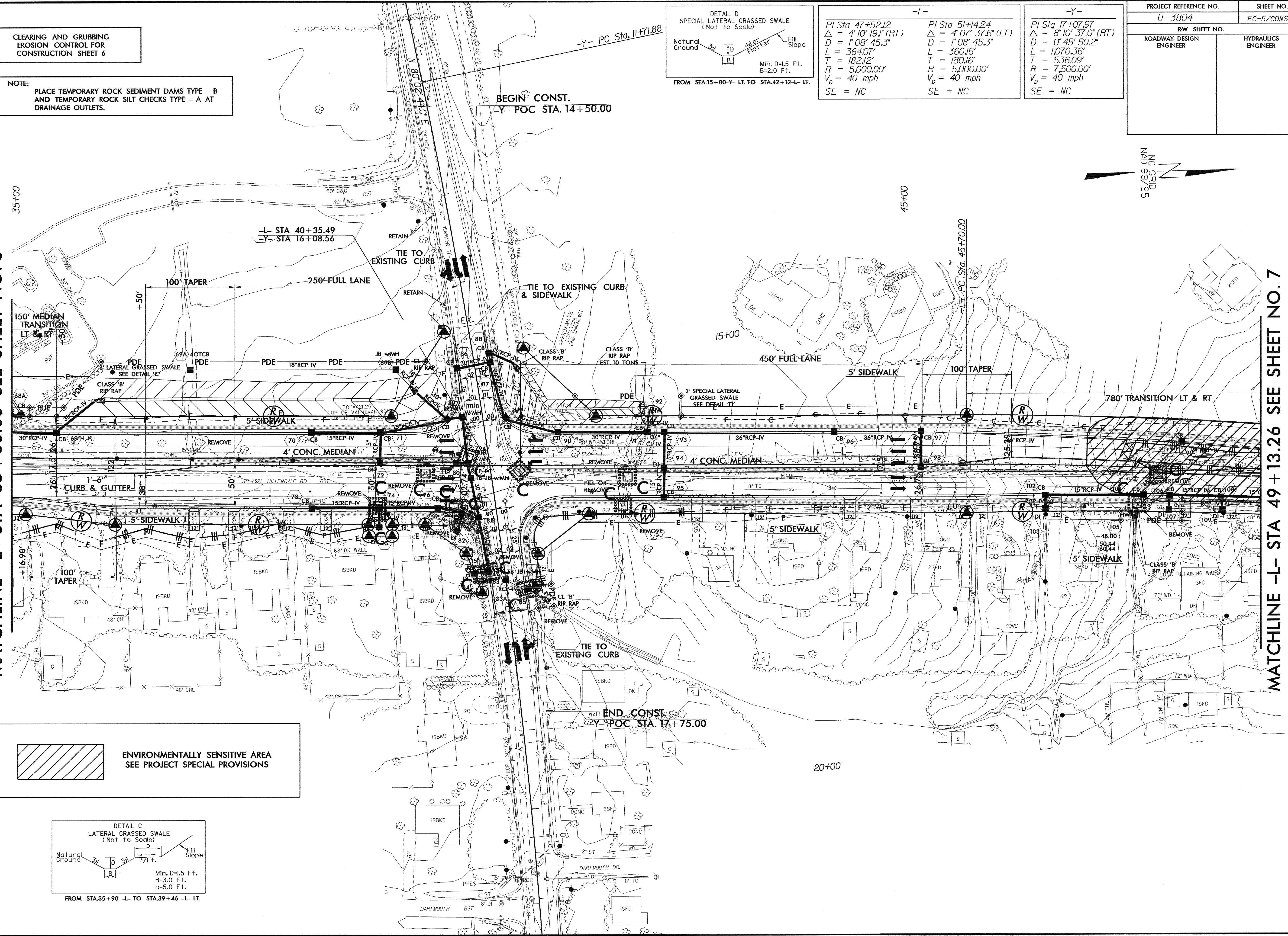
-L-
PI Sta 51+42.24
 $\Delta = 4' 07' 37.6''$ (LT)
D = 1'08' 45.3"
L = 360.16'
T = 180.16'
R = 5,000.00'
V_b = 40 mph
SE = NC

-Y-
PI Sta 17+07.97
 $\Delta = 8' 10' 37.0''$ (RT)
D = 0' 45' 50.2"
L = 1,070.36'
T = 536.09'
R = 7,500.00'
V_b = 40 mph
SE = NC

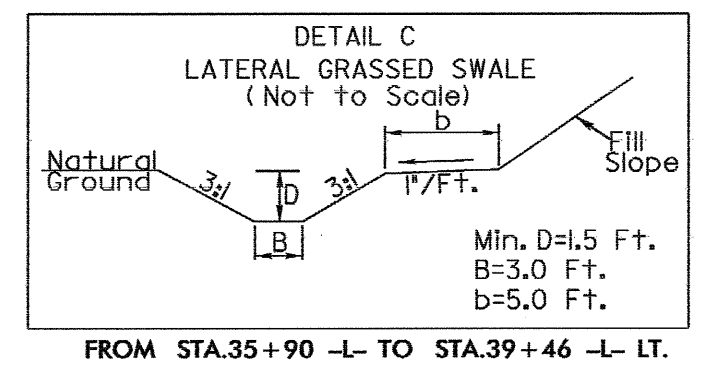
PROJECT REFERENCE NO. U-3804	SHEET NO. EC-5/CONST.6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MATCHLINE -L- STA 35 + 00.00 SEE SHEET NO. 5

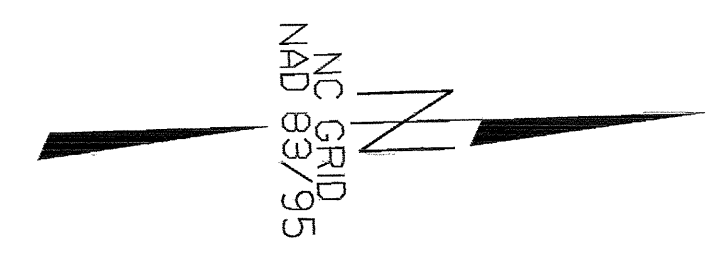
MATCHLINE -L- STA 49 + 13.26 SEE SHEET NO. 7



ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS



FROM STA.35+90 -L- TO STA.39+46 -L- LT.

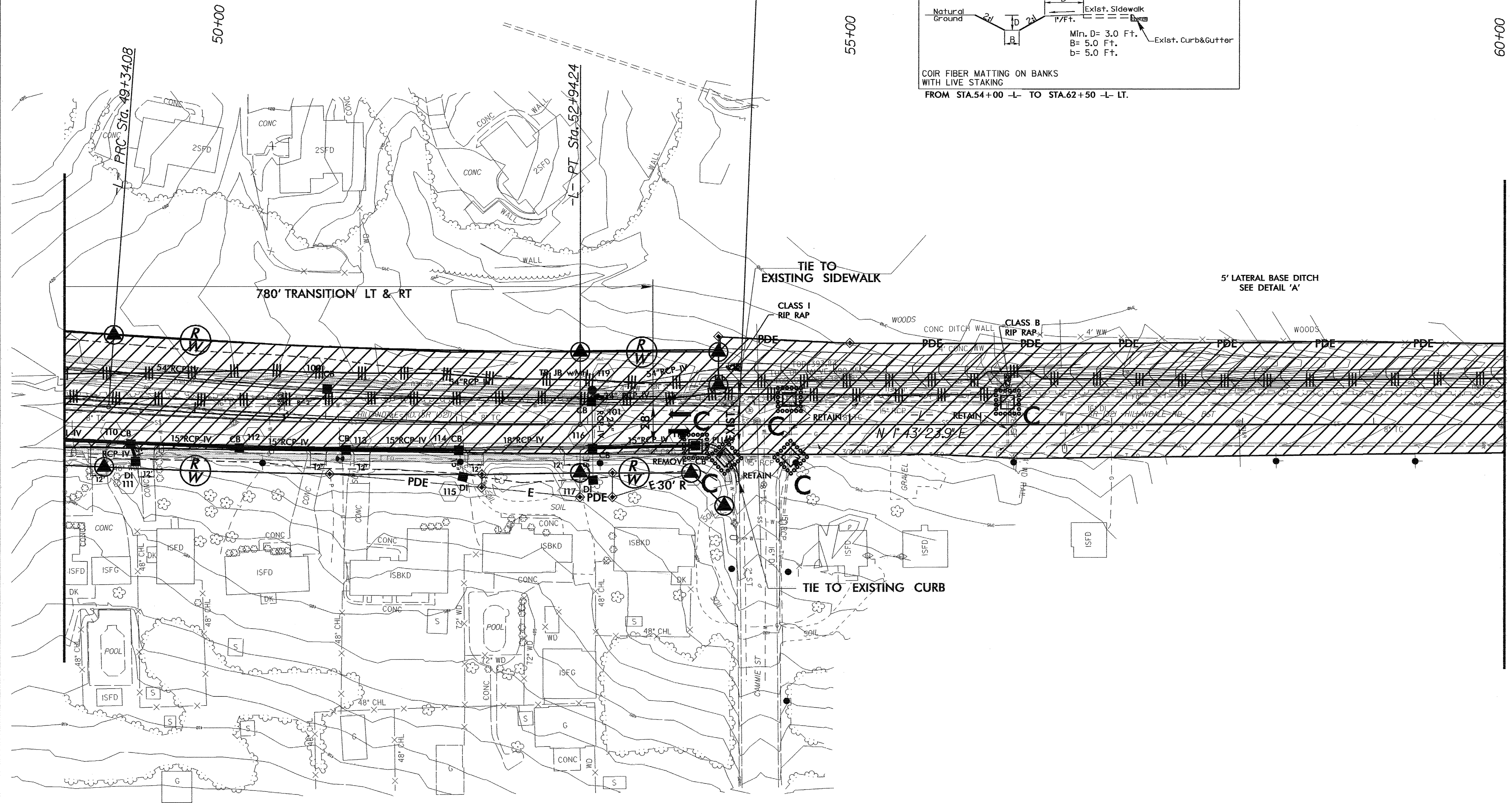
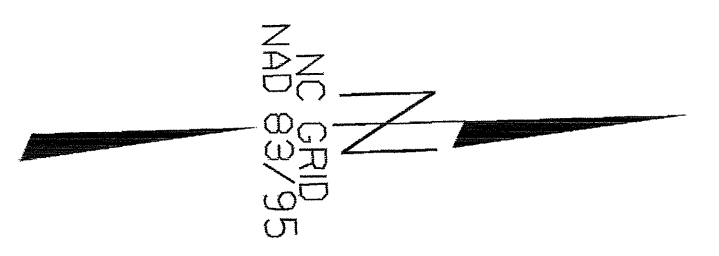
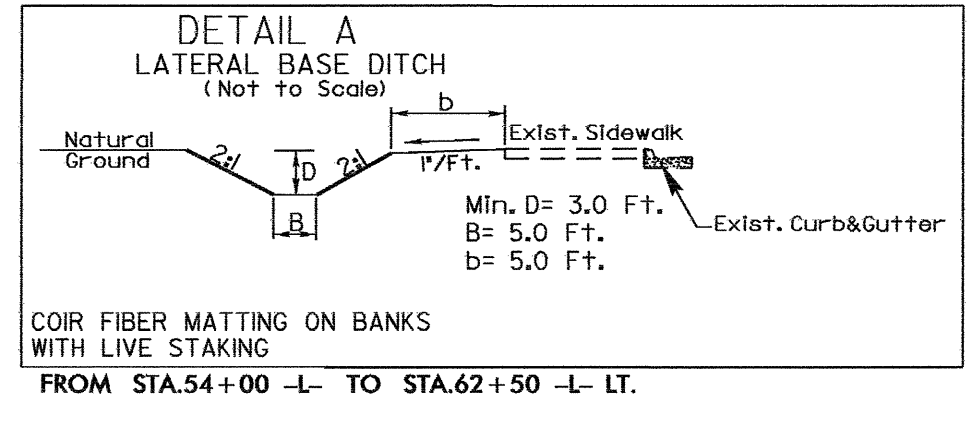


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PROJECT REFERENCE NO. U-3804	SHEET NO. EC-6/CONST.7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

-L-	
PI Sta 47+52.12	PI Sta 51+14.24
$\Delta = 4' 10" 19.1" (RT)$	$\Delta = 4' 07" 37.6" (LT)$
$D = 1' 08" 45.3"$	$D = 1' 08" 45.3"$
$L = 364.07'$	$L = 360.16'$
$T = 182.12'$	$T = 180.16'$
$R = 5,000.00'$	$R = 5,000.00'$
$V_d = 40 \text{ mph}$	$V_d = 40 \text{ mph}$
SE = NC	SE = NC

END PROJECT
-L- POT STA 54+15.50



CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 7

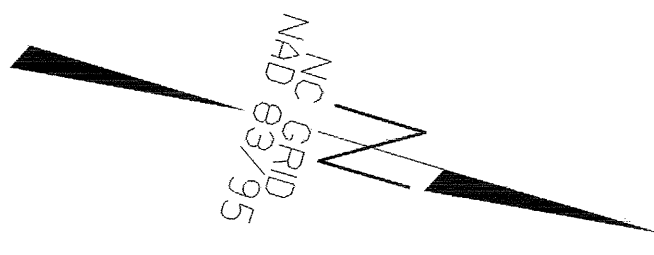
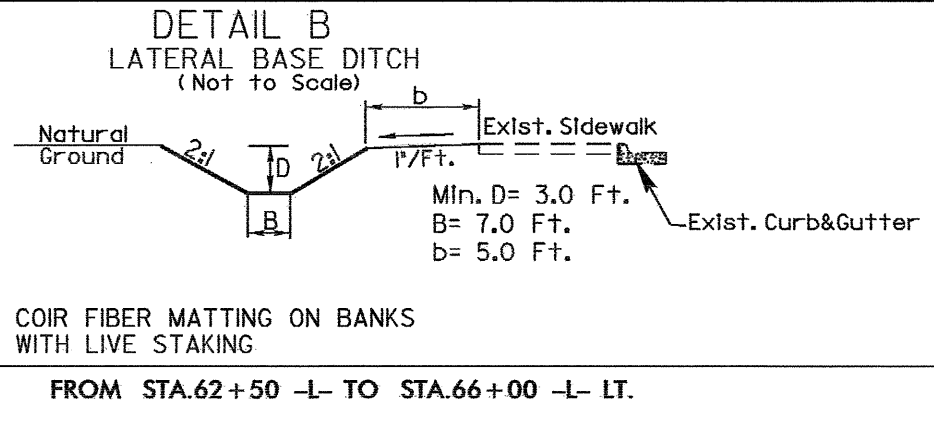
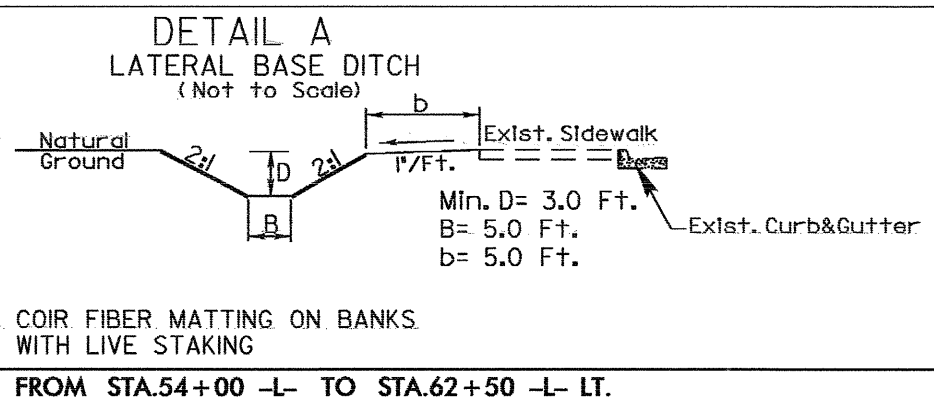
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

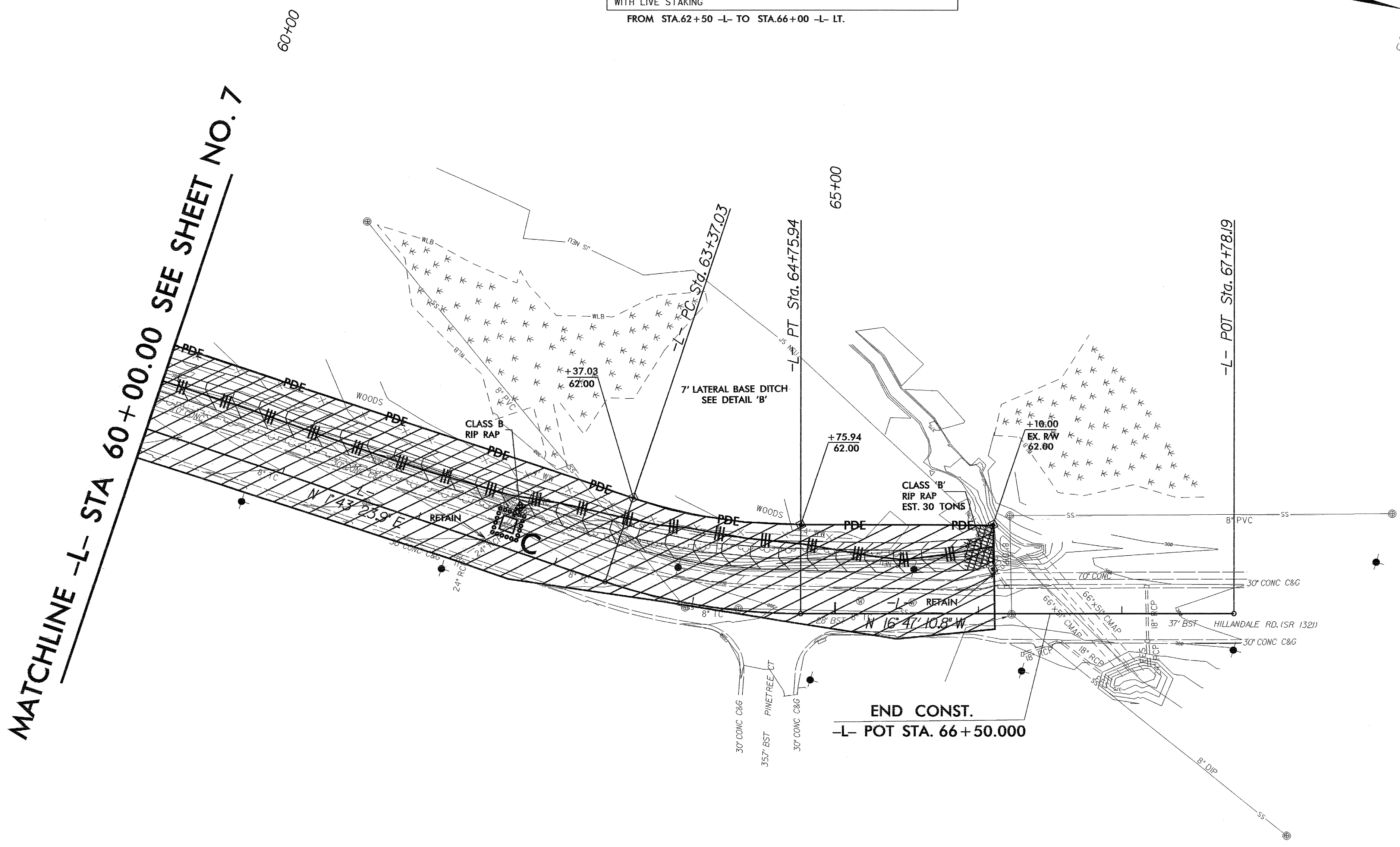
SIDEWALK
SEE SHEET 10 FOR -L- PROFILE
SEE TRAFFIC CONTROL PLANS
FOR WCR LOCATIONS

PROJECT REFERENCE NO.	SHEET NO.
U-3804	EC-7/CONST.B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

-L-
 PI Sta 64+07.09
 $\Delta = 18^{\circ} 30' 34.8''$ (LT)
 $D = 13' 19' 28.6''$
 $L = 138.91'$
 $T = 70.07'$
 $R = 430.00'$
 $V_d = N/A$
 SE = EXIST.



MATCHLINE -L- STA 60+00.00 SEE SHEET NO. 7

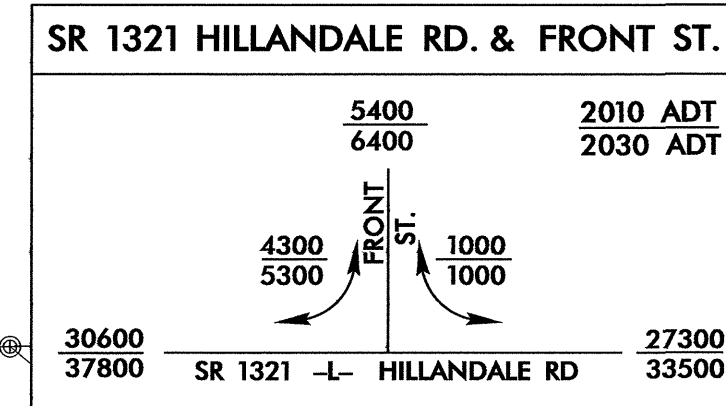


CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 8

NOTE:
 PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
 AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
 DRAINAGE OUTLETS.

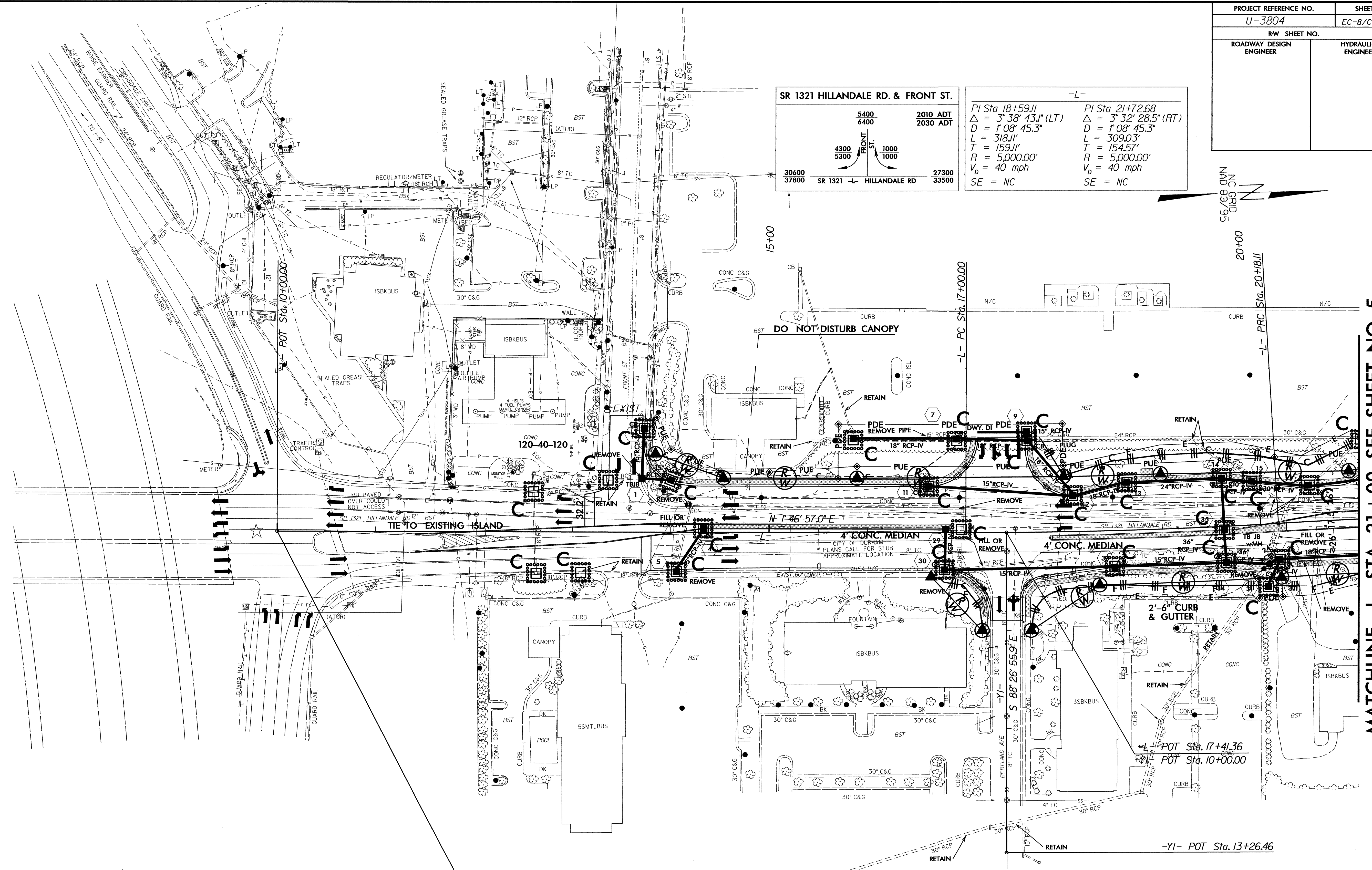
ENVIRONMENTALLY SENSITIVE AREA
 SEE PROJECT SPECIAL PROVISIONS

PROJECT REFERENCE NO.		SHEET NO.	
U-3804		EC-8/CONST.4	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	



-L-

PI Sta 18+59.11	PI Sta 21+72.68
$\Delta = 3^{\circ} 38' 43.1''$ (LT)	$\Delta = 3^{\circ} 32' 28.5''$ (RT)
$D = 1^{\circ} 08' 45.3''$	$D = 1^{\circ} 08' 45.3''$
$L = 318.11'$	$L = 309.03'$
$T = 159.11'$	$T = 154.57'$
$R = 5,000.00'$	$R = 5,000.00'$
$V_d = 40$ mph	$V_d = 40$ mph
SE = NC	SE = NC



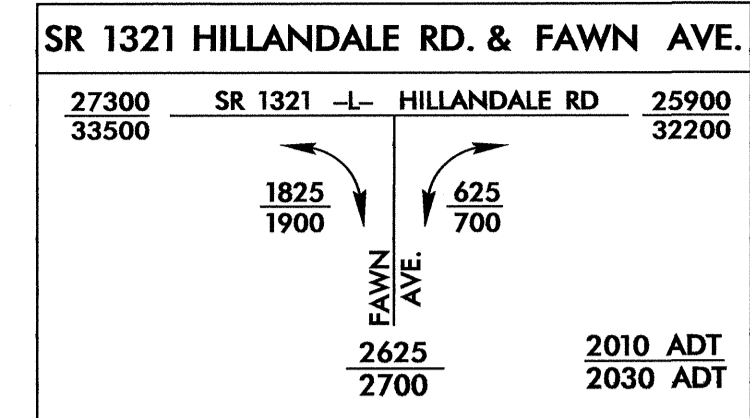
BEGIN PROJECT
-L- POT STA 10+00.00

END CONST.
-YI- POT STA 10+90.00

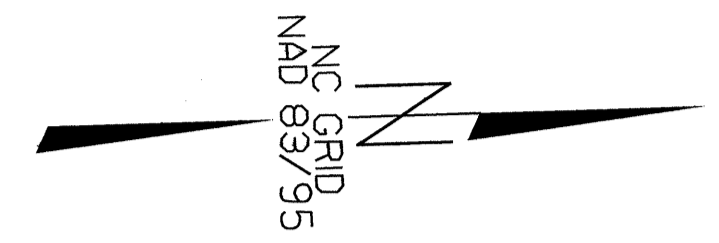
MATCHLINE -L- STA 21+00 SEE SHEET NO. 5

- ☆ EXISTING SIGNAL
- ★ NEW SIGNAL
- MONOLITHIC ISLAND
- SIDEWALK
- BUS STOP SHELTER PAD
- SEE SHEET 2-C FOR DETAILS OF ISLAND
- SEE SHEET 9 FOR -L- PROFILE
- SEE TRAFFIC CONTROL PLANS FOR WCR LOCATIONS

PROJECT REFERENCE NO.		SHEET NO.	
U-3804		EC-9/CONST.5	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

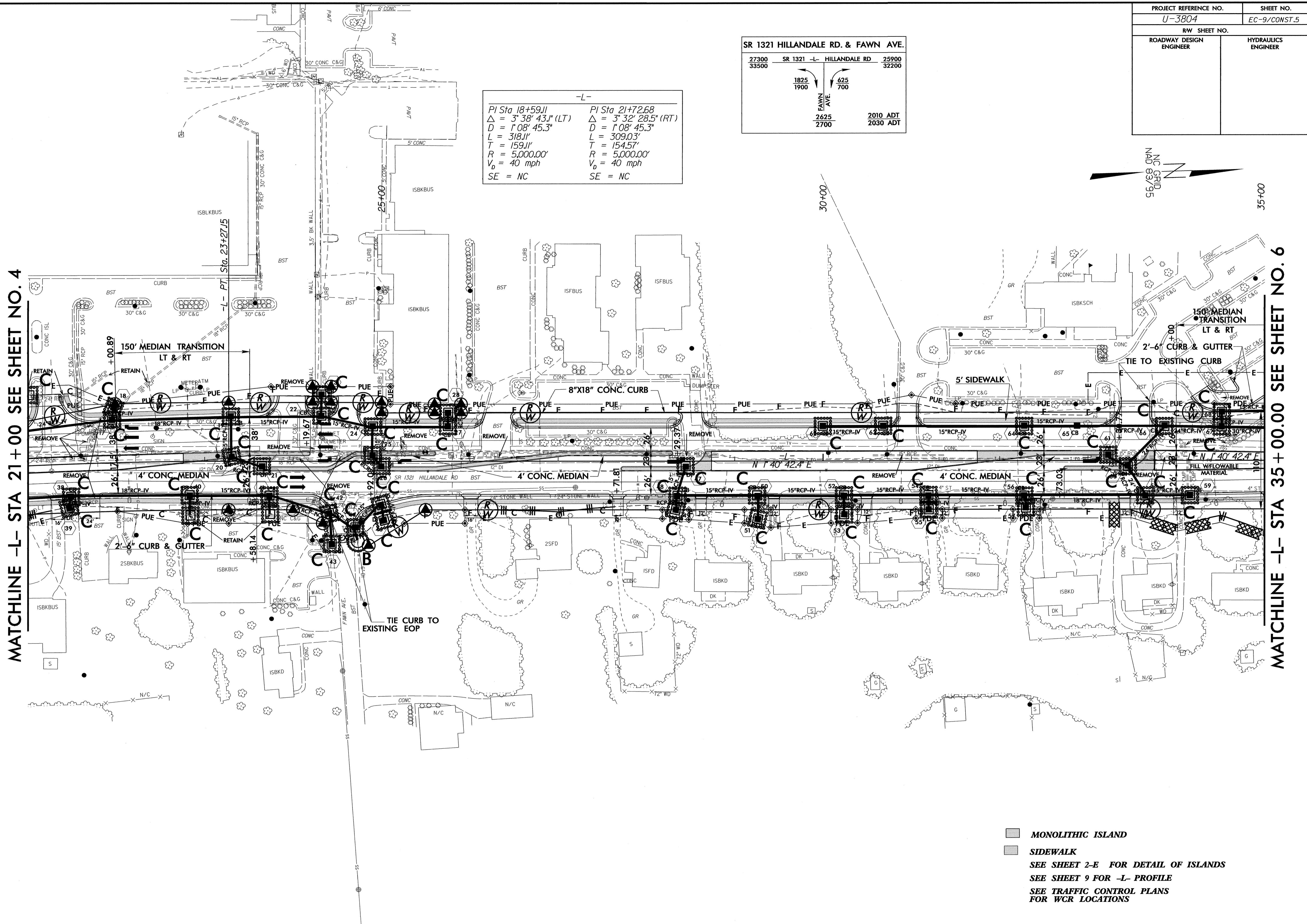


-L-	
PI Sta 18+59.11	PI Sta 21+72.68
$\Delta = 3^{\circ} 38' 43.1''$ (LT)	$\Delta = 3^{\circ} 32' 28.5''$ (RT)
$D = 1^{\circ} 08' 45.3''$	$D = 1^{\circ} 08' 45.3''$
$L = 318.11'$	$L = 309.03'$
$T = 159.11'$	$T = 154.57'$
$R = 5,000.00'$	$R = 5,000.00'$
$V_0 = 40$ mph	$V_0 = 40$ mph
SE = NC	SE = NC



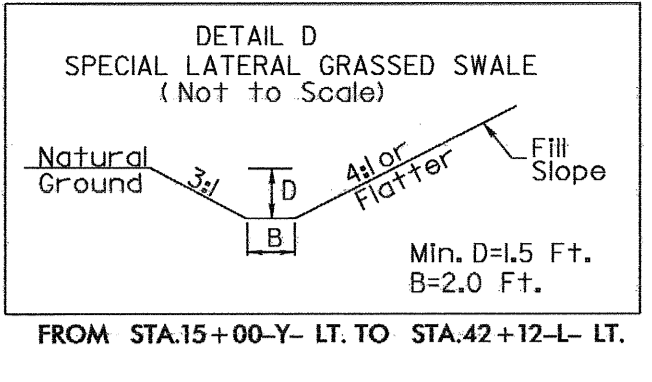
MATCHLINE -L- STA 21+00 SEE SHEET NO. 4

MATCHLINE -L- STA 35+00.00 SEE SHEET NO. 6



- MONOLITHIC ISLAND
- SIDEWALK
- SEE SHEET 2-E FOR DETAIL OF ISLANDS
- SEE SHEET 9 FOR -L- PROFILE
- SEE TRAFFIC CONTROL PLANS FOR WCR LOCATIONS

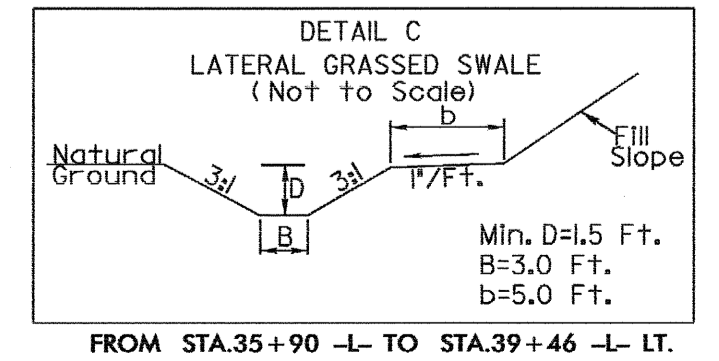
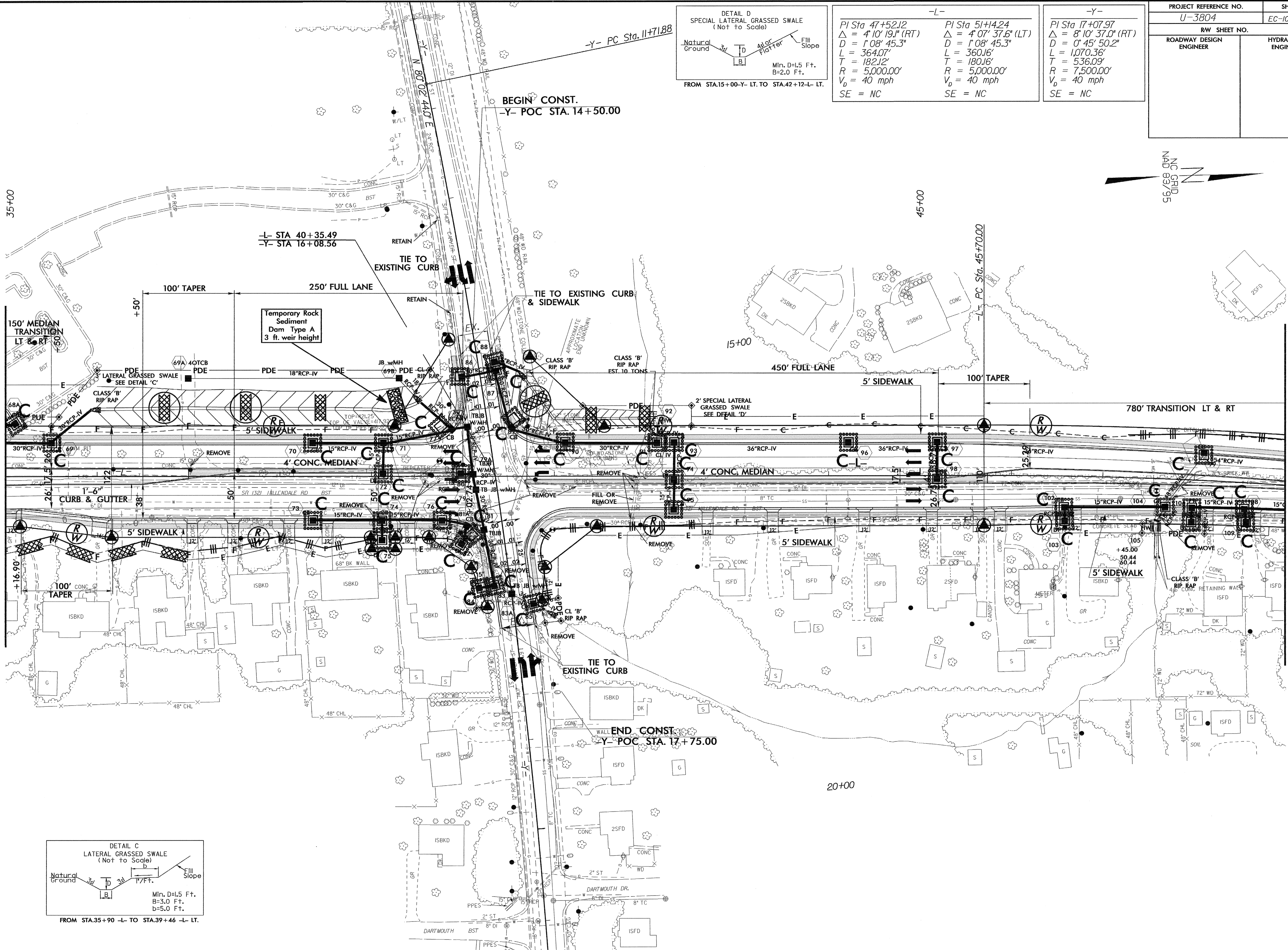
PROJECT REFERENCE NO. U-3804	SHEET NO. EC-10/CONST.6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



-L-		-Y-	
PI Sta 47+52.12	PI Sta 51+14.24	PI Sta 17+07.97	
$\Delta = 4' 10' 19.1''$ (RT)	$\Delta = 4' 07' 37.6''$ (LT)	$\Delta = 8' 10' 37.0''$ (RT)	
$D = 1' 08' 45.3''$	$D = 1' 08' 45.3''$	$D = 0' 45' 50.2''$	
$L = 364.07'$	$L = 360.16'$	$L = 1,070.36'$	
$T = 182.12'$	$T = 180.16'$	$T = 536.09'$	
$R = 5,000.00'$	$R = 5,000.00'$	$R = 7,500.00'$	
$V_o = 40$ mph	$V_o = 40$ mph	$V_o = 40$ mph	
SE = NC	SE = NC	SE = NC	

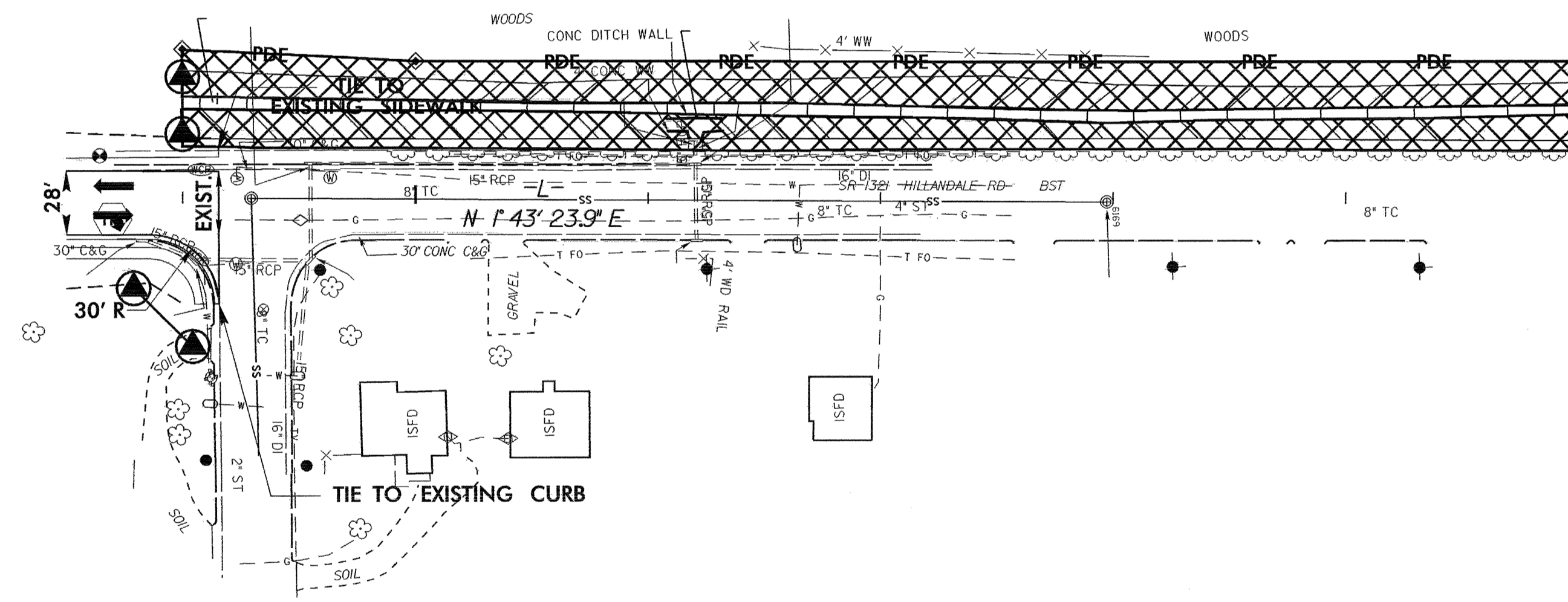
MATCHLINE -L- STA 35 + 00.00 SEE SHEET NO. 5

MATCHLINE -L- STA 49 + 13.26 SEE SHEET NO. 7



0.46 ACRE STREAMBANK REFORESTATION

PROJECT REFERENCE NO.	SHEET NO.
U-3804	EC-12/CONST.7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

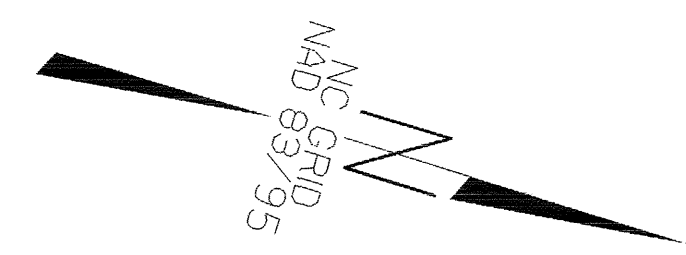
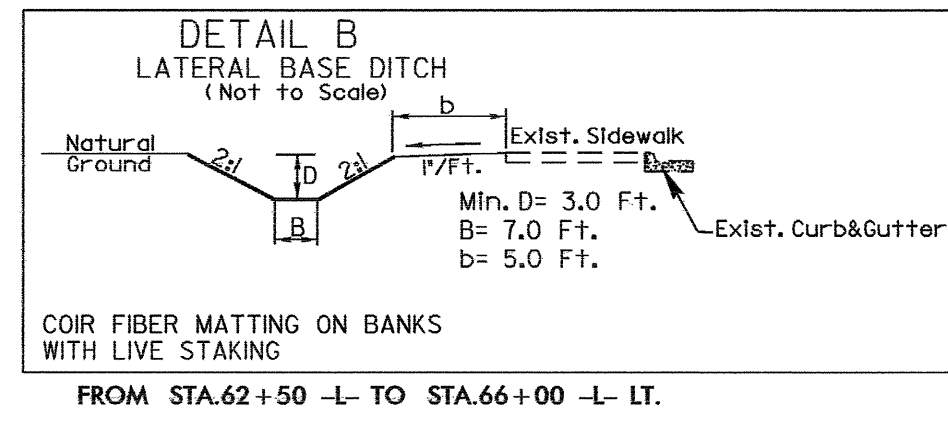
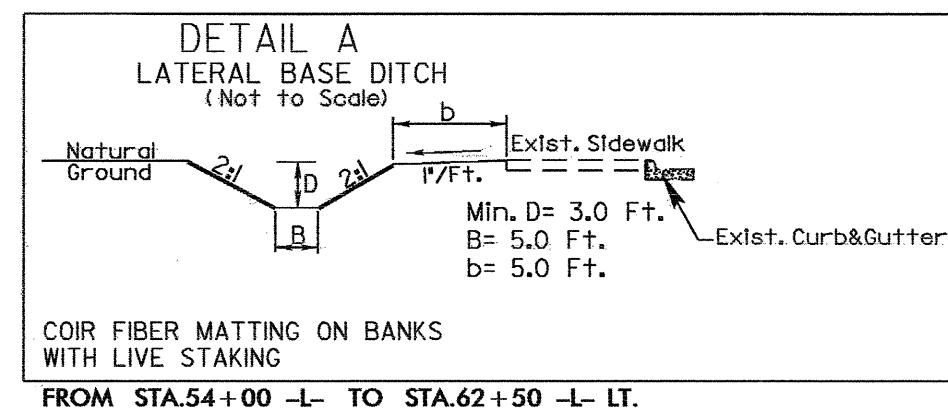


SEE RF-1, RF-2 AND PROJECT SPECIAL PROVISIONS

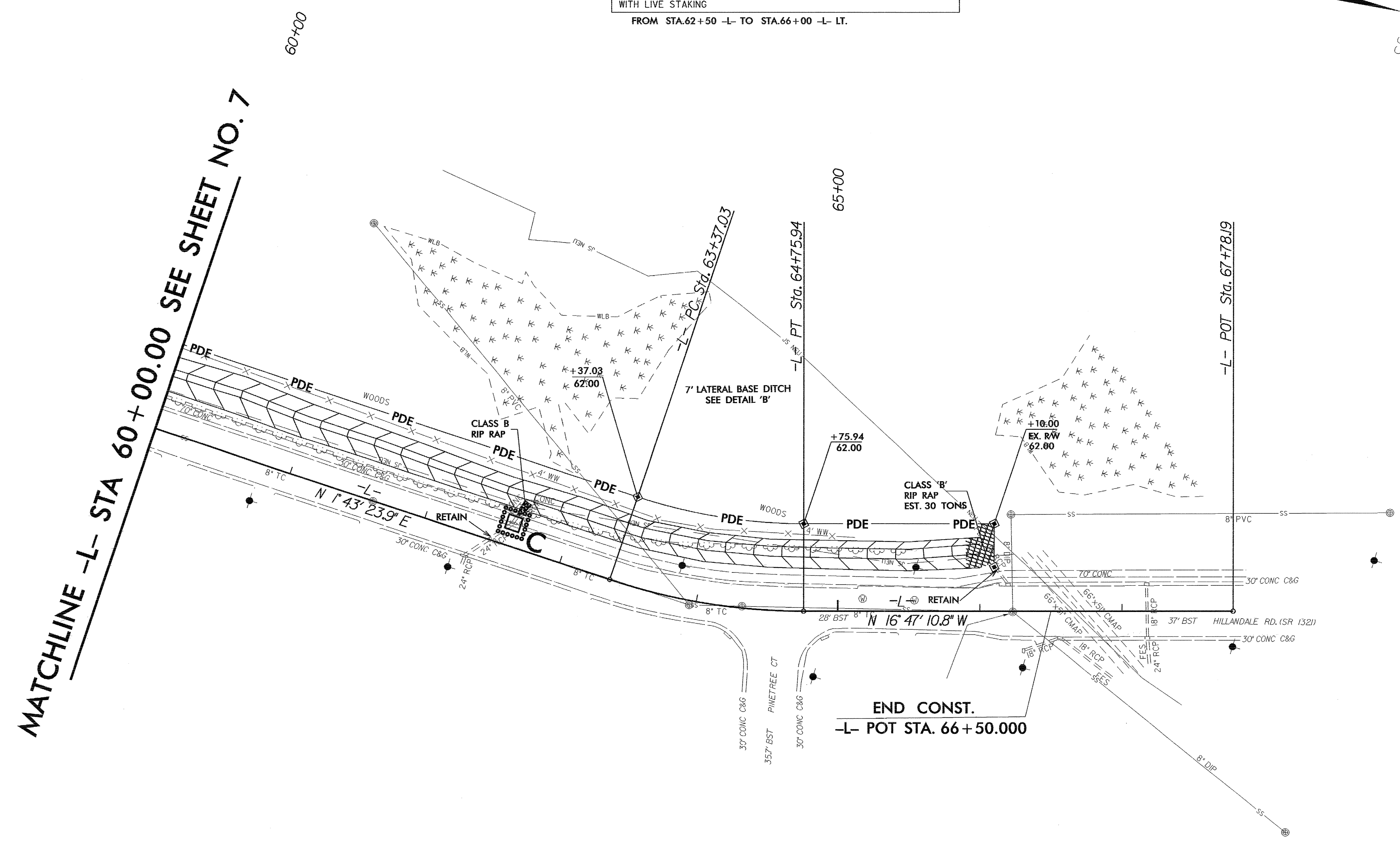
8/17/99

PROJECT REFERENCE NO.	SHEET NO.
U-3804	EC-13/CONST.8
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

-L-
 PI Sta 64+07.09
 $\Delta = 18^{\circ} 30' 34.8" (LT)$
 $D = 13^{\circ} 19' 28.6"$
 $L = 138.9'$
 $T = 70.07'$
 $R = 430.00'$
 $V_d = N/A$
 SE = EXIST.



MATCHLINE -L- STA 60+00.00 SEE SHEET NO. 7

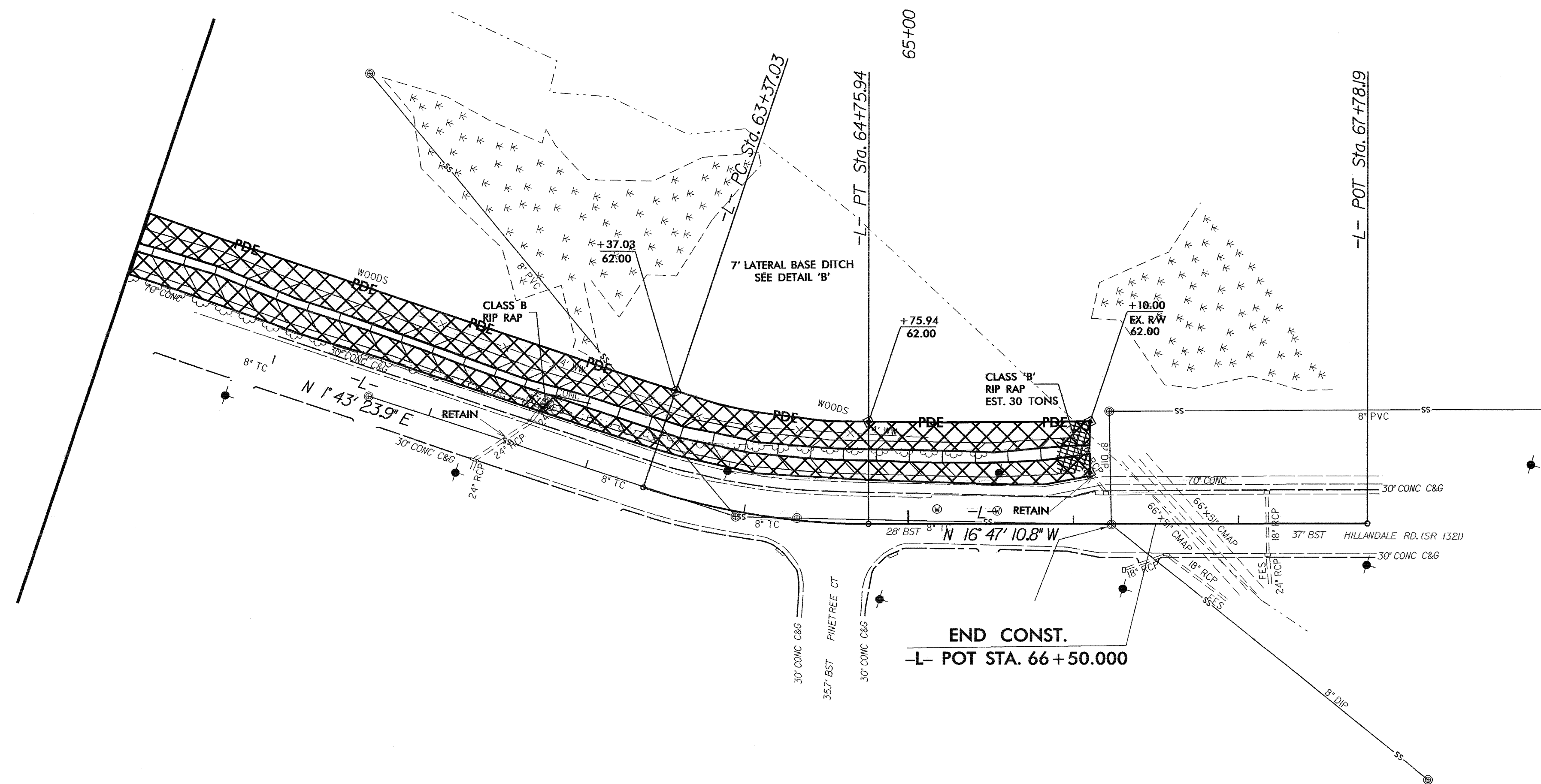


SEE SHEET 10 FOR -L- PROFILE

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0.43 ACRE STREAMBANK REFORESTATION

PROJECT REFERENCE NO.	SHEET NO.
U-3804	EC-14/CONST.B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



SEE RF-1, RF-2 AND PROJECT SPECIAL PROVISIONS