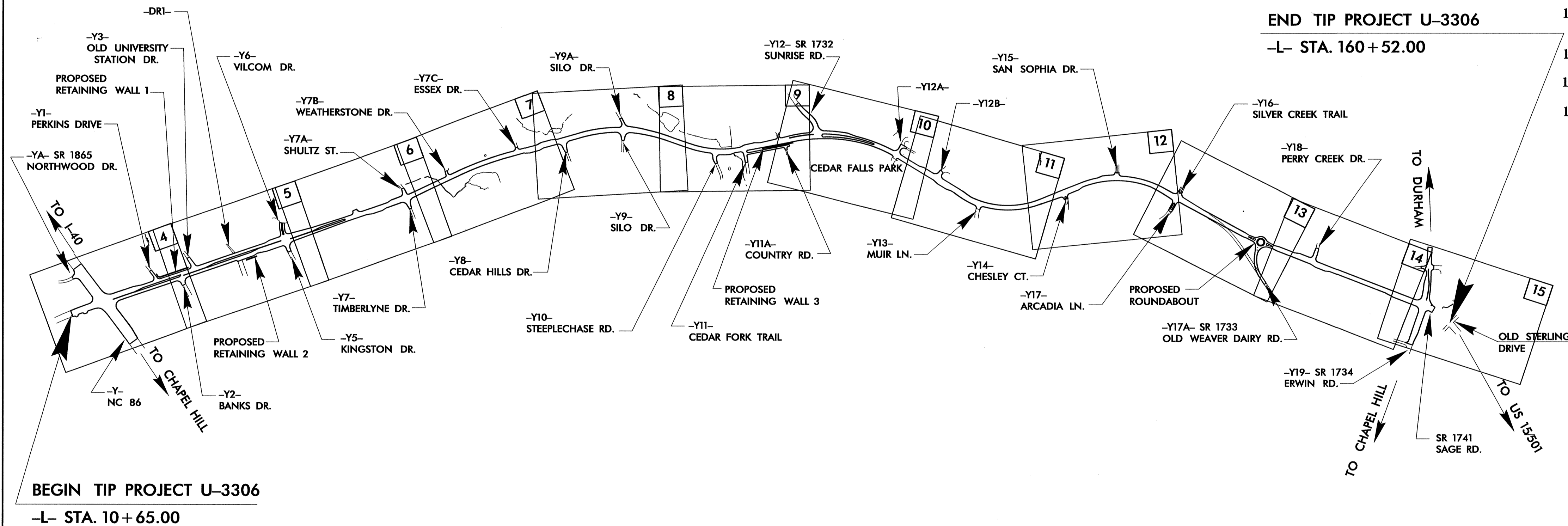


TIP PROJECT: U-3306

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS
 PLAN FOR PROPOSED
 HIGHWAY EROSION CONTROL
ORANGE COUNTY

LOCATION: CHAPEL HILL - SR 1733 (WEAVER DAIRY RD.) FROM NC 86 TO OLD STERLING DRIVE
 TYPE OF WORK: GRADING, DRAINAGE, PAVING, RETAINING WALLS, SIDEWALK, CURB AND GUTTER AND SIGNALS



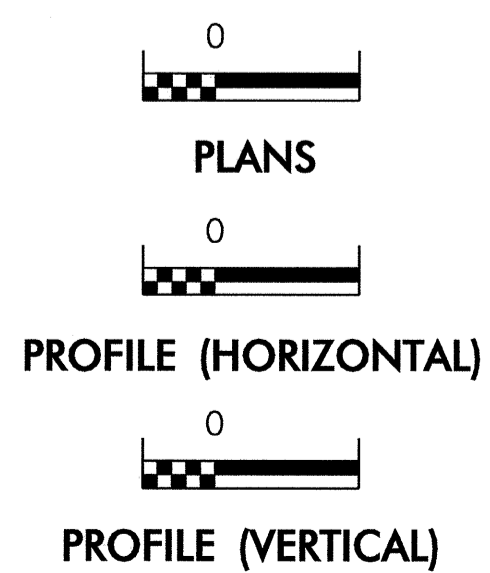
EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	TD
1630.05	Temporary Diversion	TD
1605.01	Temporary Silt Fence	III III III
1606.01	Special Sediment Control Fence	—X—X—X—
1622.01	Temporary Berms and Slope Drains	—T—T—T—
1633.01	Silt Basin Type B	[Symbol]
1633.01	Temporary Rock Silt Check Type-A	[Symbol]
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	[Symbol]
	Temporary Rock Silt Check Type-B	[Symbol]
	Wattle/Coir Fiber Wattle	[Symbol]
	Wattle/Coir Fiber Wattle with Polyacrylamide (PAM)	[Symbol]
1634.01	Temporary Rock Sediment Dam Type-A	[Symbol]
1634.02	Temporary Rock Sediment Dam Type-B	[Symbol]
1635.01	Rock Pipe Inlet Sediment Trap Type-A	[Symbol]
1635.02	Rock Pipe Inlet Sediment Trap Type-B	[Symbol]
1630.04	Stilling Basin	[Symbol]
1630.06	Special Stilling Basin	[Symbol]
	Rock Inlet Sediment Trap:	
1632.01	Type A	A
1632.02	Type B	B
1632.03	Type C	C
	Skimmer Basin	[Symbol]
	Tiered Skimmer Basin	[Symbol]
	Infiltration Basin	[Symbol]

**THIS PROJECT CONTAINS
 EROSION CONTROL PLANS
 FOR CLEARING AND
 GRUBBING PHASE OF
 CONSTRUCTION.**

303(d) IMPAIRED WATER(S) EXIST ON THIS PROJECT
 303(d) Impaired Water Zone(s) Exist
 From Sta. Begin and End
 to Sta. -L- 15+00 End
 Refer To E. C. Special Provisions for Special Considerations.

GRAPHIC SCALE



ROADSIDE ENVIRONMENTAL UNIT
 DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA

Prepared in the Office of:
ROADSIDE ENVIRONMENTAL UNIT
 1 South Wilmington St.
 Raleigh, NC 27611
2006 STANDARD SPECIFICATIONS

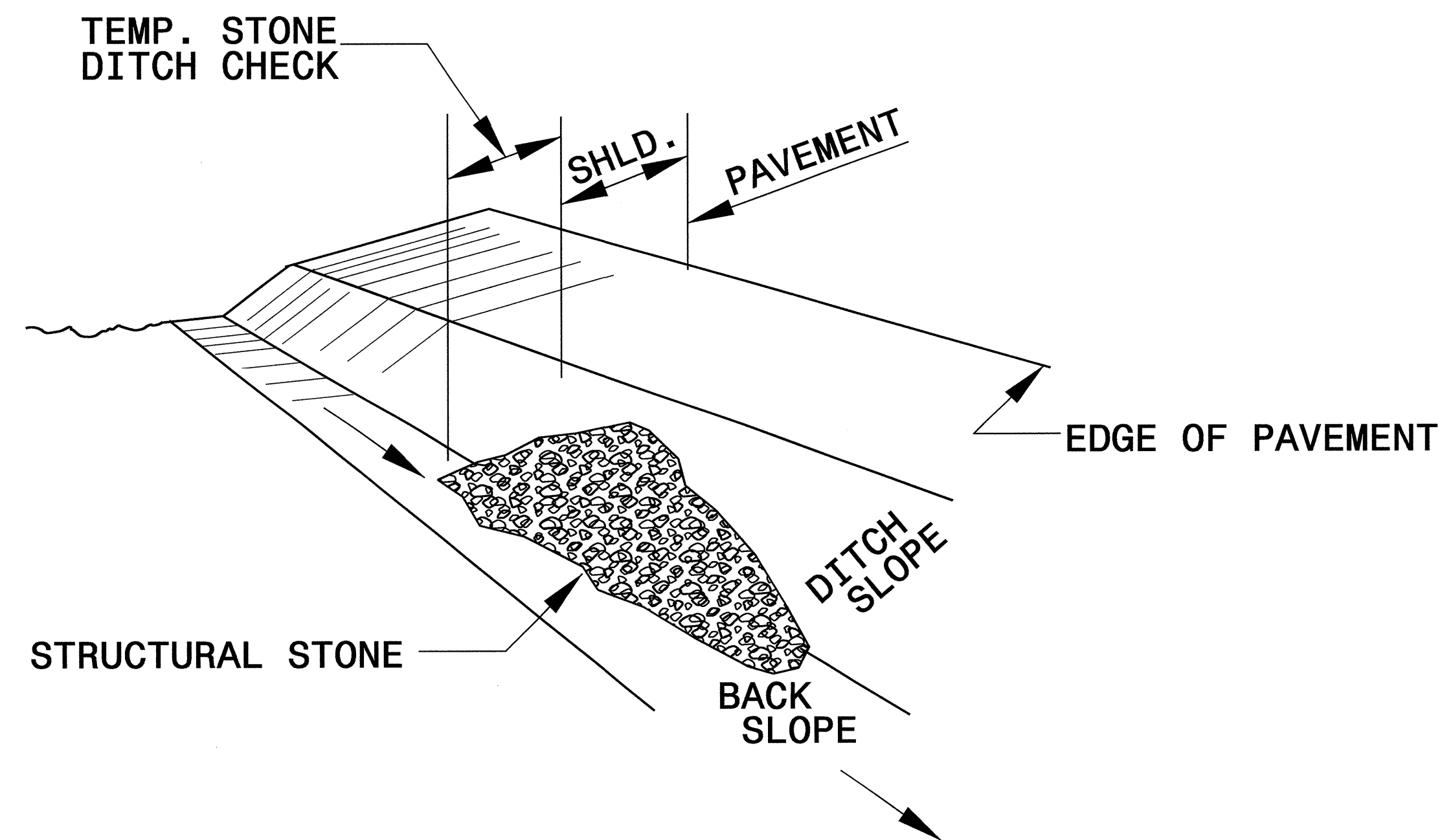
Roadway Standard Drawings
 The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated July 18, 2006 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

1605.01 Temporary Silt Fence	1632.02 Rock Inlet Sediment Trap Type B
1606.01 Special Sediment Control Fence	1632.03 Rock Inlet Sediment Trap Type C
1607.01 Gravel Construction Entrance	1633.01 Temporary Rock Silt Check Type A
1622.01 Temporary Berms and Slope Drains	1634.02 Temporary Rock Sediment Dam Type B
1630.03 Temporary Silt Ditch	
1630.05 Temporary Diversion	

25-MAR-2010 09:42 R:\env\comm\11941\1194133386-EC.sh_040127.dgn

PROJECT REFERENCE NO. U-3306	SHEET NO. EC-2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TEMPORARY ROCK SILT CHECK TYPE 'B' DETAIL

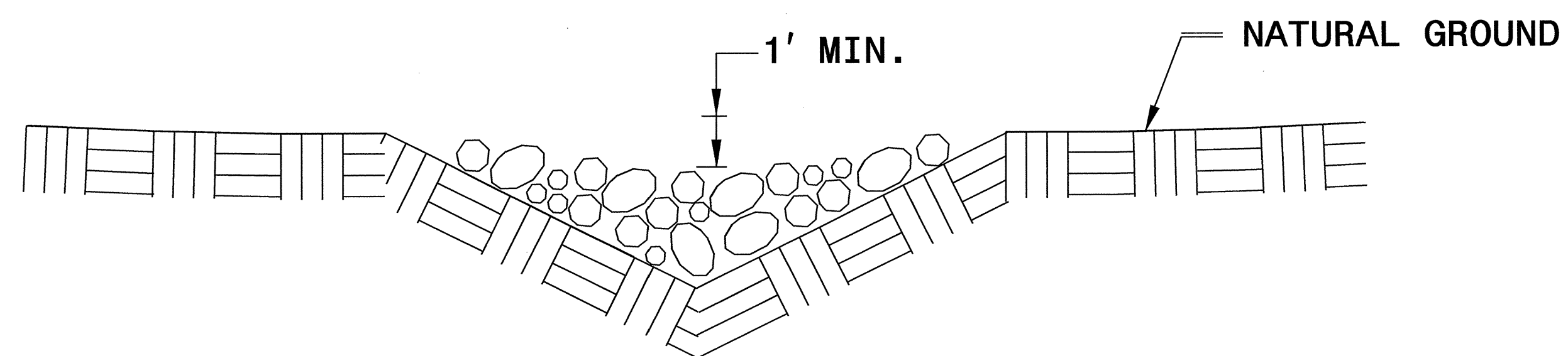


ISOMETRIC VIEW

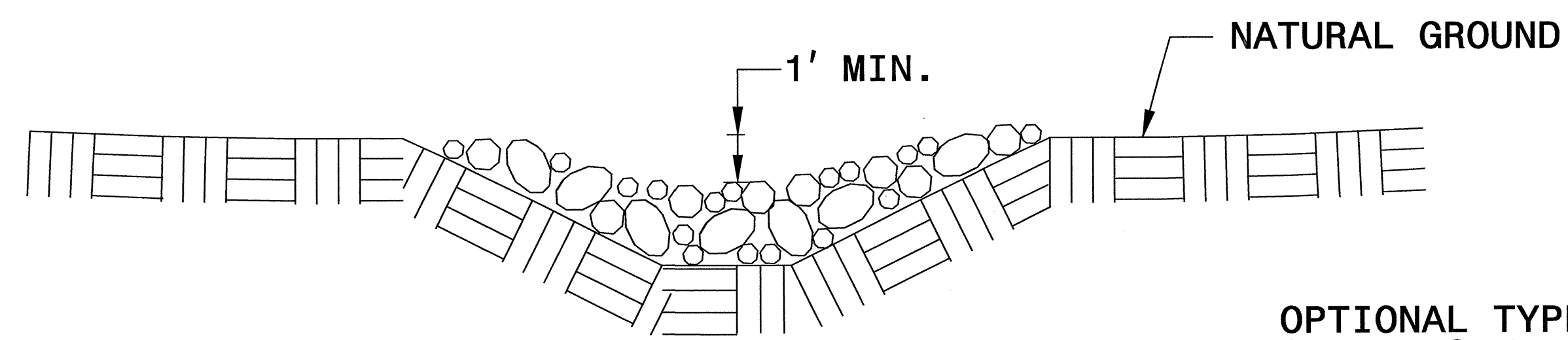
NOTES:

USE CLASS 'B' EROSION CONTROL STONE FOR STRUCTURAL STONE.

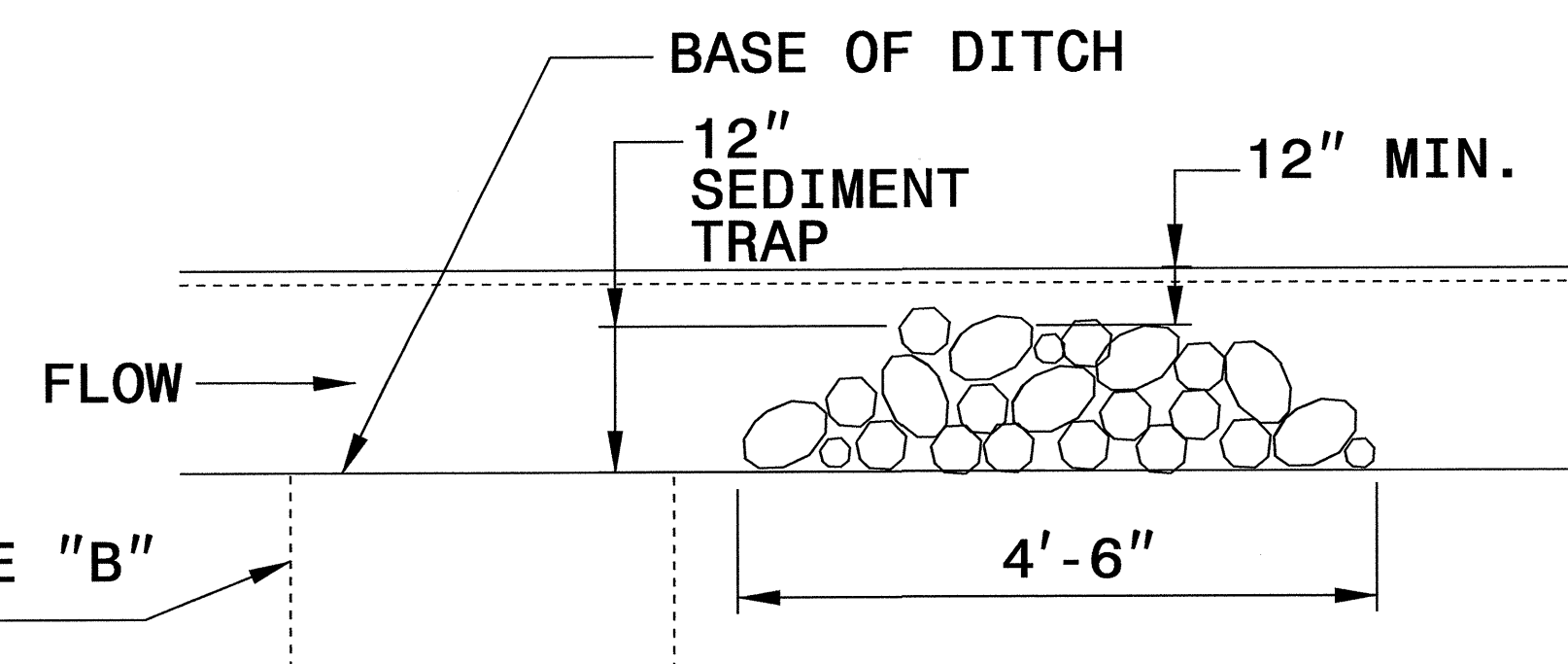
THE ENGINEER MAY DIRECT THE OPTION OF CLASS "A" STONE FOR SITES HAVING LESS THAN ONE (1) ACRE DRAINAGE AREA AND A DITCH GRADE LESS THAN 3%.



**CROSS SECTION
VEE DITCH**



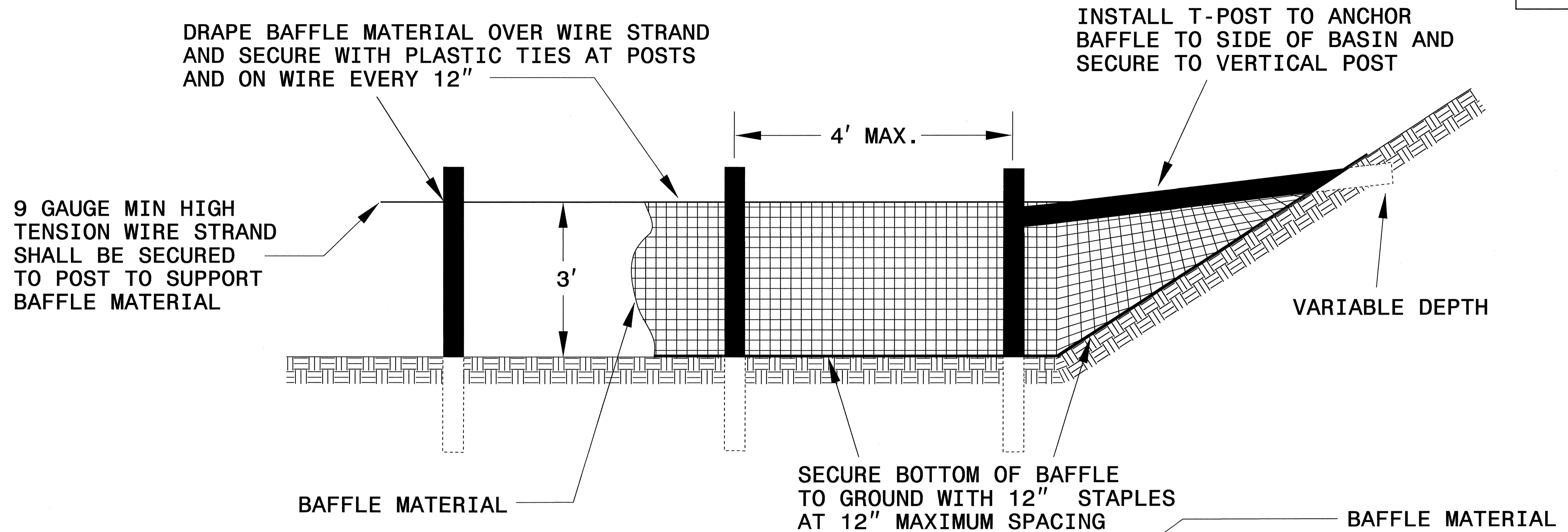
**CROSS SECTION
TRAPEZOIDAL DITCH**



ELEVATION VIEW

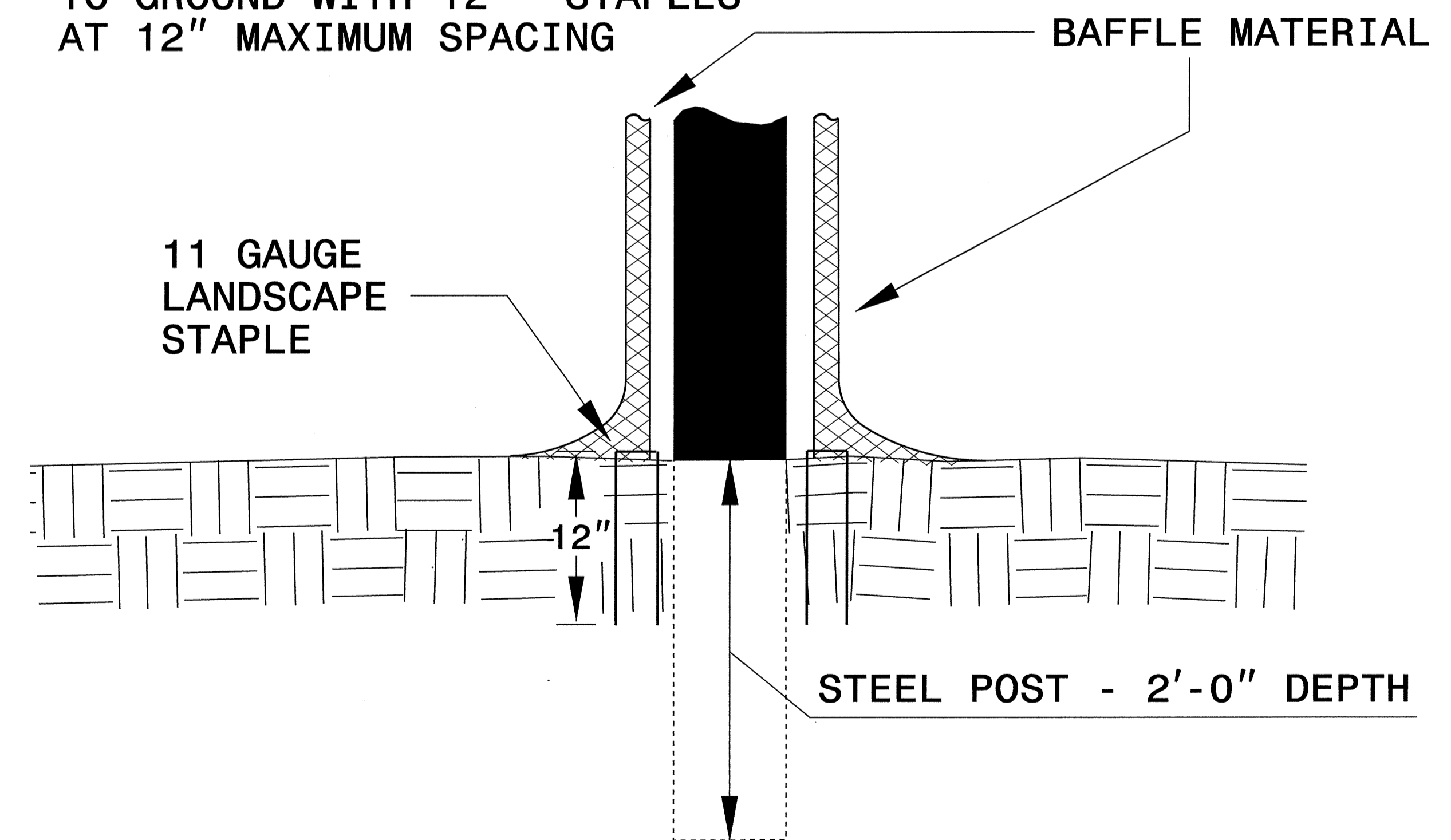
PROJECT REFERENCE NO. U-3306	SHEET NO. EC-2A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

COIR FIBER BAFFLE DETAIL



NOTES:

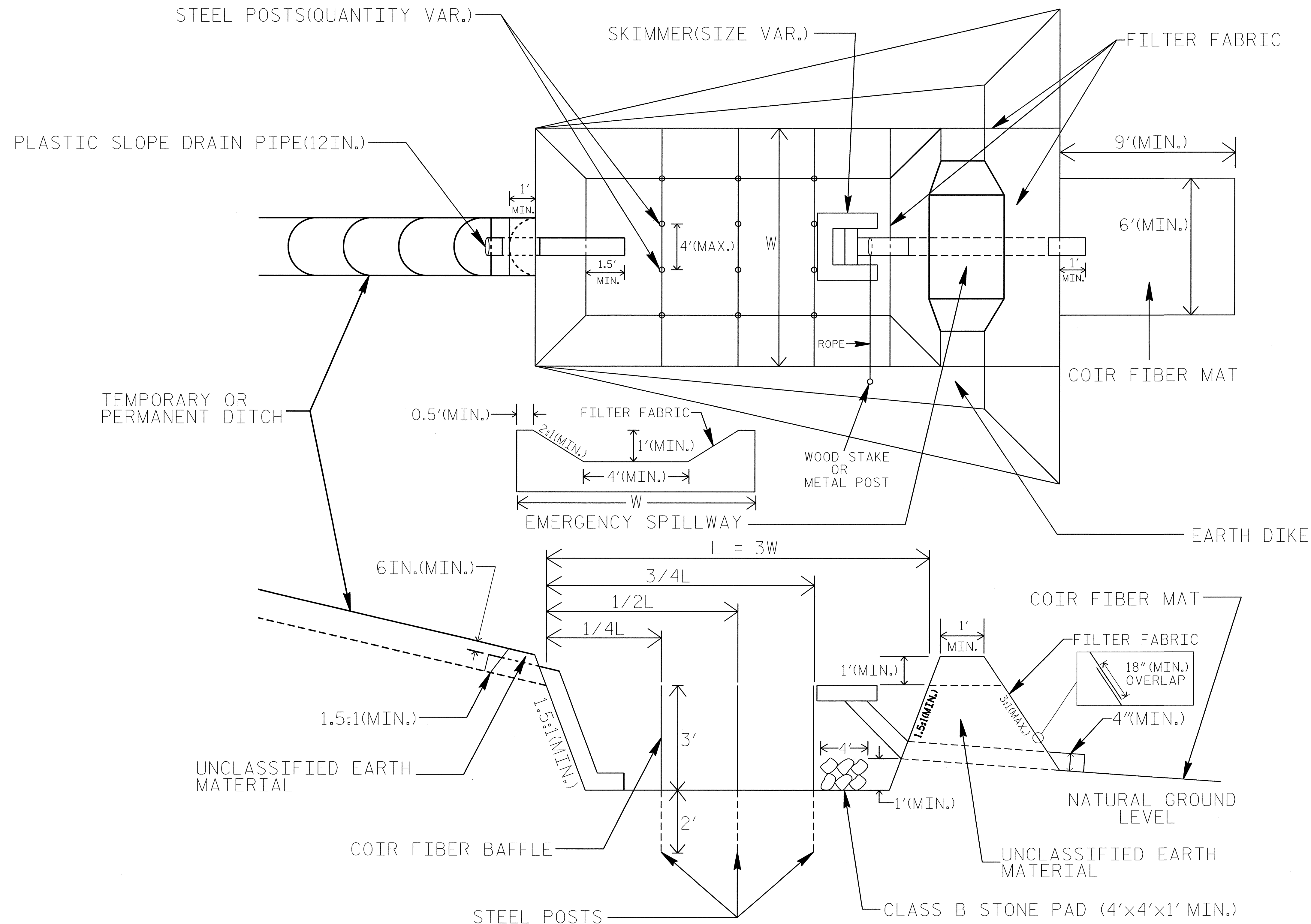
1. INSTALL THREE (3) COIR FIBER BAFFLES IN SILT BASINS AND SEDIMENT DAMS AT DRAINAGE OUTLETS WITH A SPACING OF $\frac{1}{4}$ THE BASIN LENGTH.
2. TWO (2) COIR FIBER BAFFLES CAN BE INSTALLED IN SILT BASINS AND DAMS LESS THAN 20 FT. IN LENGTH WITH A SPACING OF $\frac{1}{3}$ THE BASIN LENGTH.
3. TOP HEIGHT OF COIR FIBER BAFFLES SHALL NOT BE BELOW BASE OF EMERGENCY SPILLWAY ELEVATION.



BAFFLE MATERIAL SHALL BE SECURED TO THE BOTTOM AND SIDES OF BASIN USING 12" LANDSCAPE STAPLES

SKIMMER BASIN WITH BAFFLES DETAIL

PROJECT REFERENCE NO. U-3306	SHEET NO. EC-2B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



NOTES

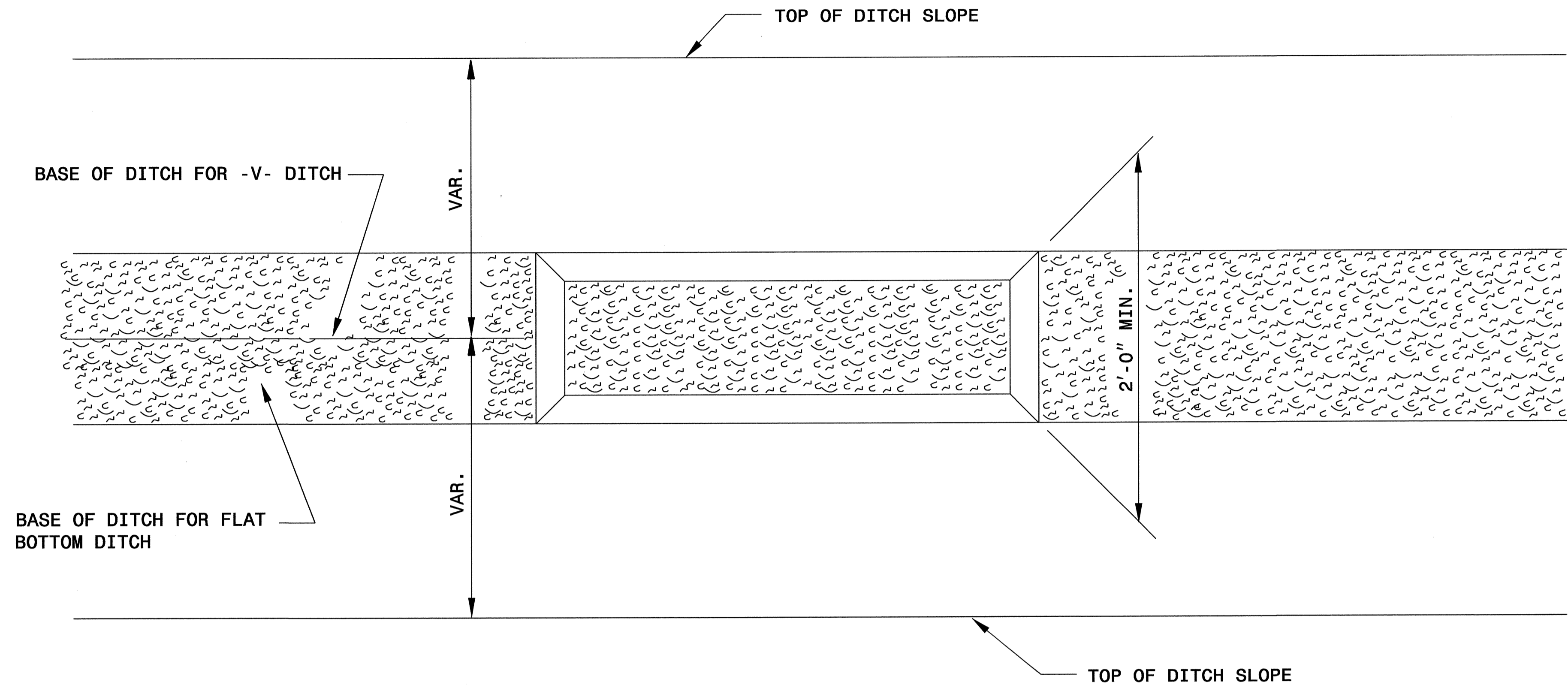
1. SEED AND PLACE MATTING FOR EROSION CONTROL ON INTERIOR AND EXTERIOR SIDESLOPES.
2. LIMIT EARTH DIKE HEIGHT TO 5 FT.
3. FOR BASIN DEPTH OF 3 FT., THE MINIMUM BASIN WIDTH SHALL BE 9 FT.
4. DETERMINE EMERGENCY SPILLWAY LENGTH (FT.) USING $Q/0.8$, WHERE Q IS FLOW RATE (CFS) INTO BASIN.
5. PLASTIC SLOPE DRAIN PIPE AT INLET OF BASIN MAY BE REPLACED BY FILTER FABRIC AS DIRECTED.
6. FILTER FABRIC FOR EMERGENCY SPILLWAY SHALL BE ONE CONTINUOUS PIECE OF MATERIAL OR OVERLAPPED 18" (MIN.) AS SHOWN.

NOT TO SCALE

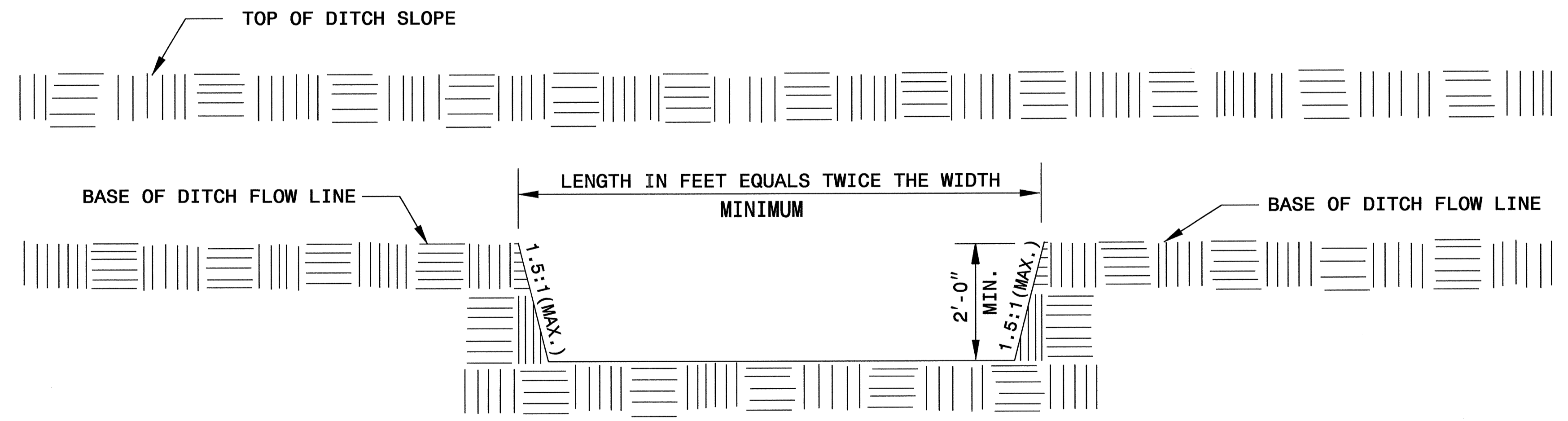
COIR FIBER MAT ANCHOR OPTIONS

PROJECT REFERENCE NO.	SHEET NO.
U-3306	EC-2C
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SILT BASIN 'B' DETAIL



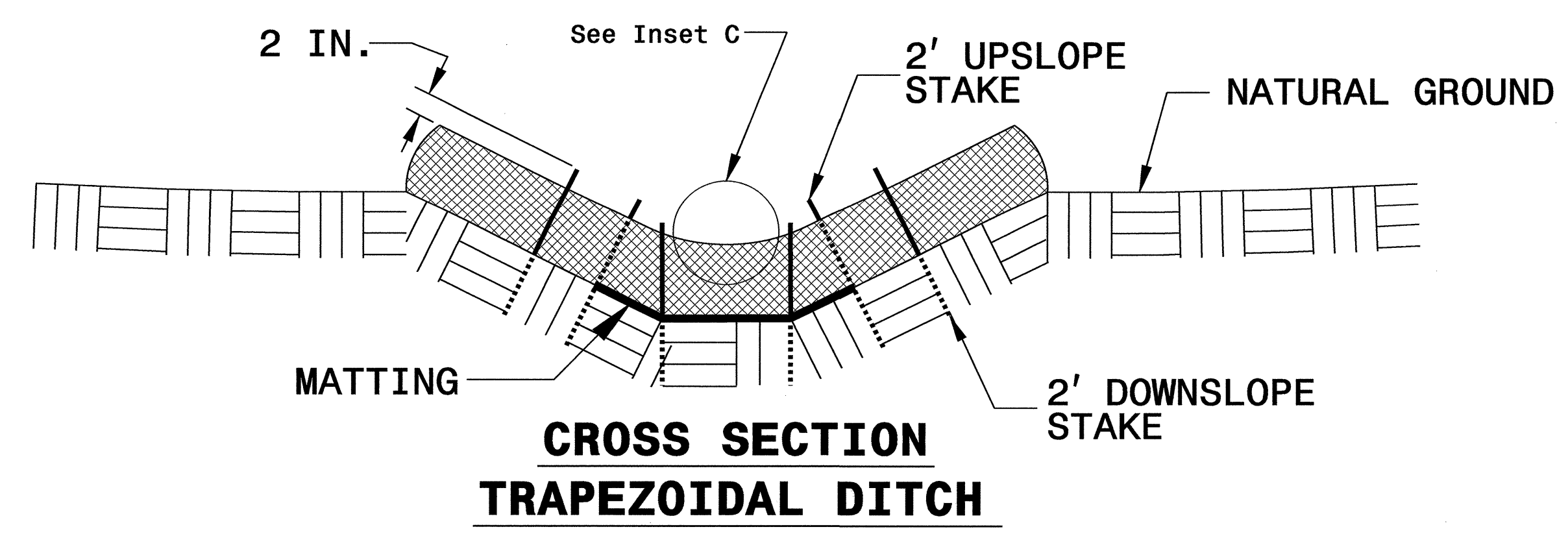
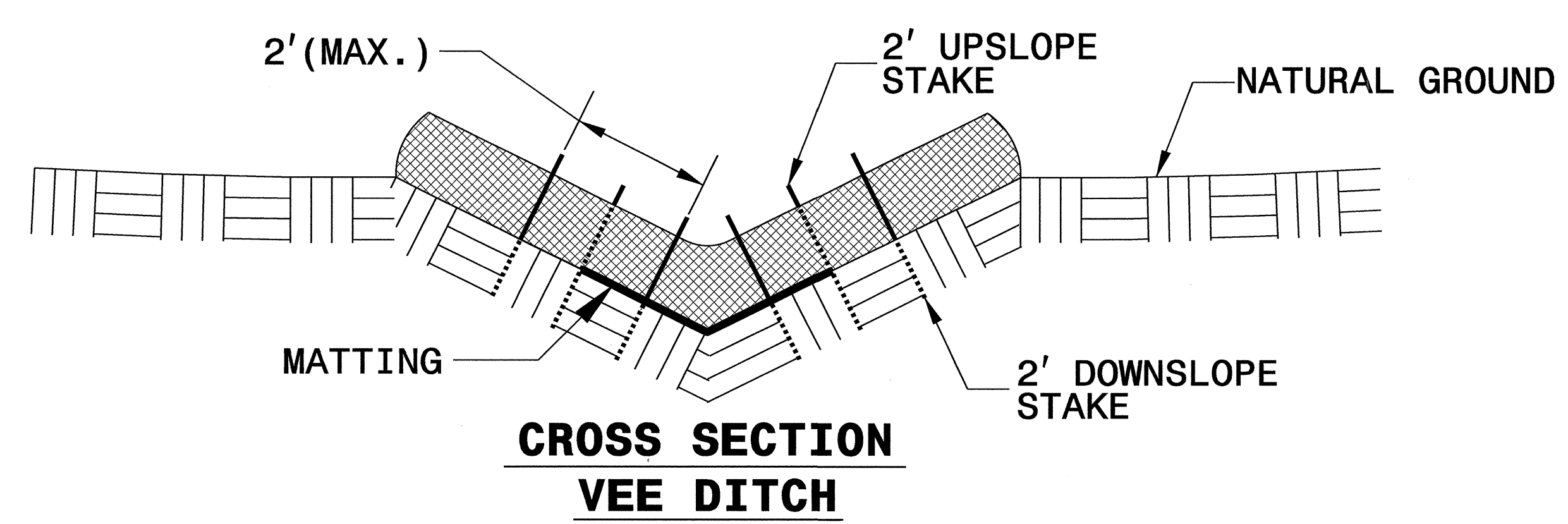
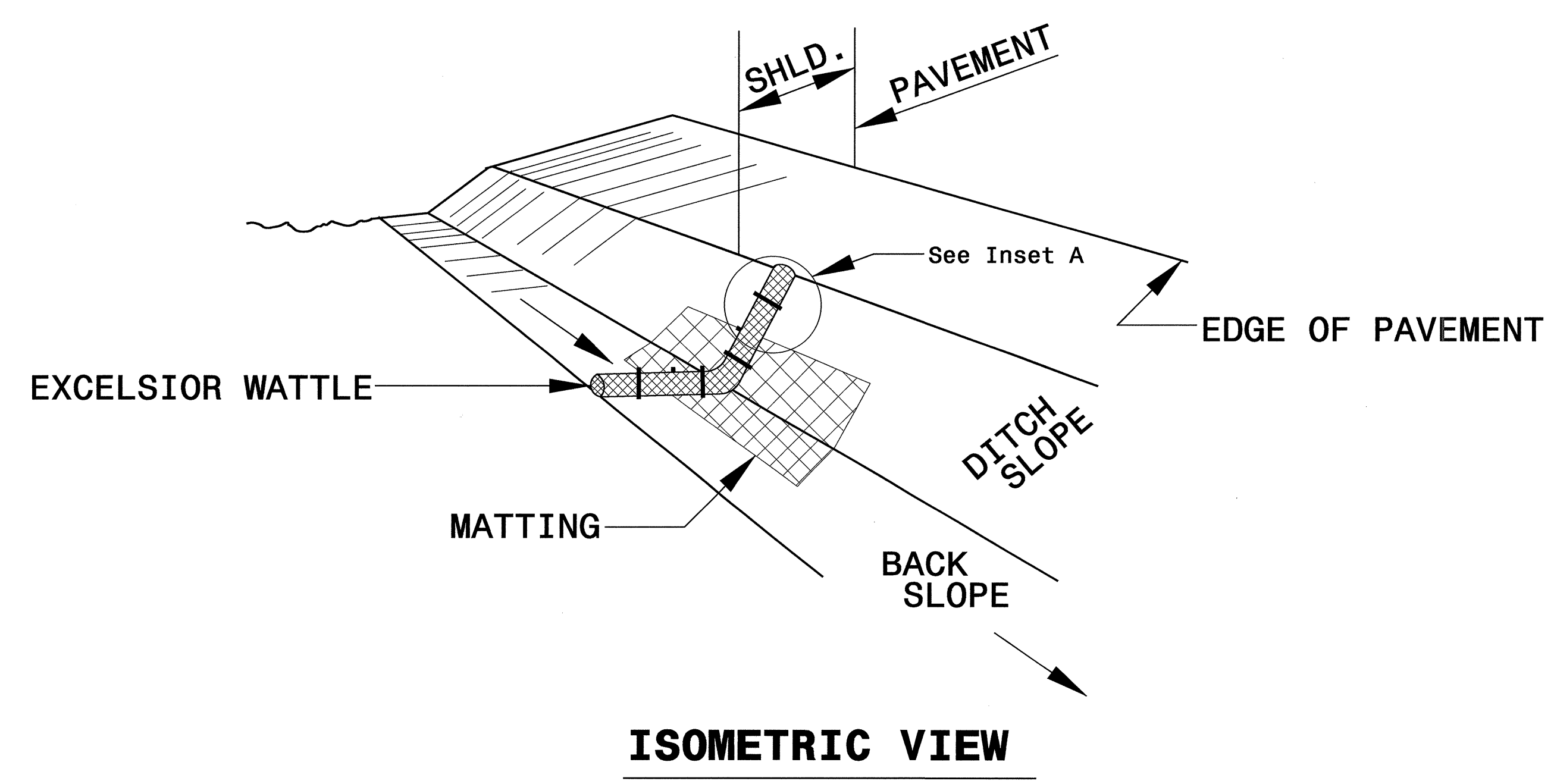
PLAN



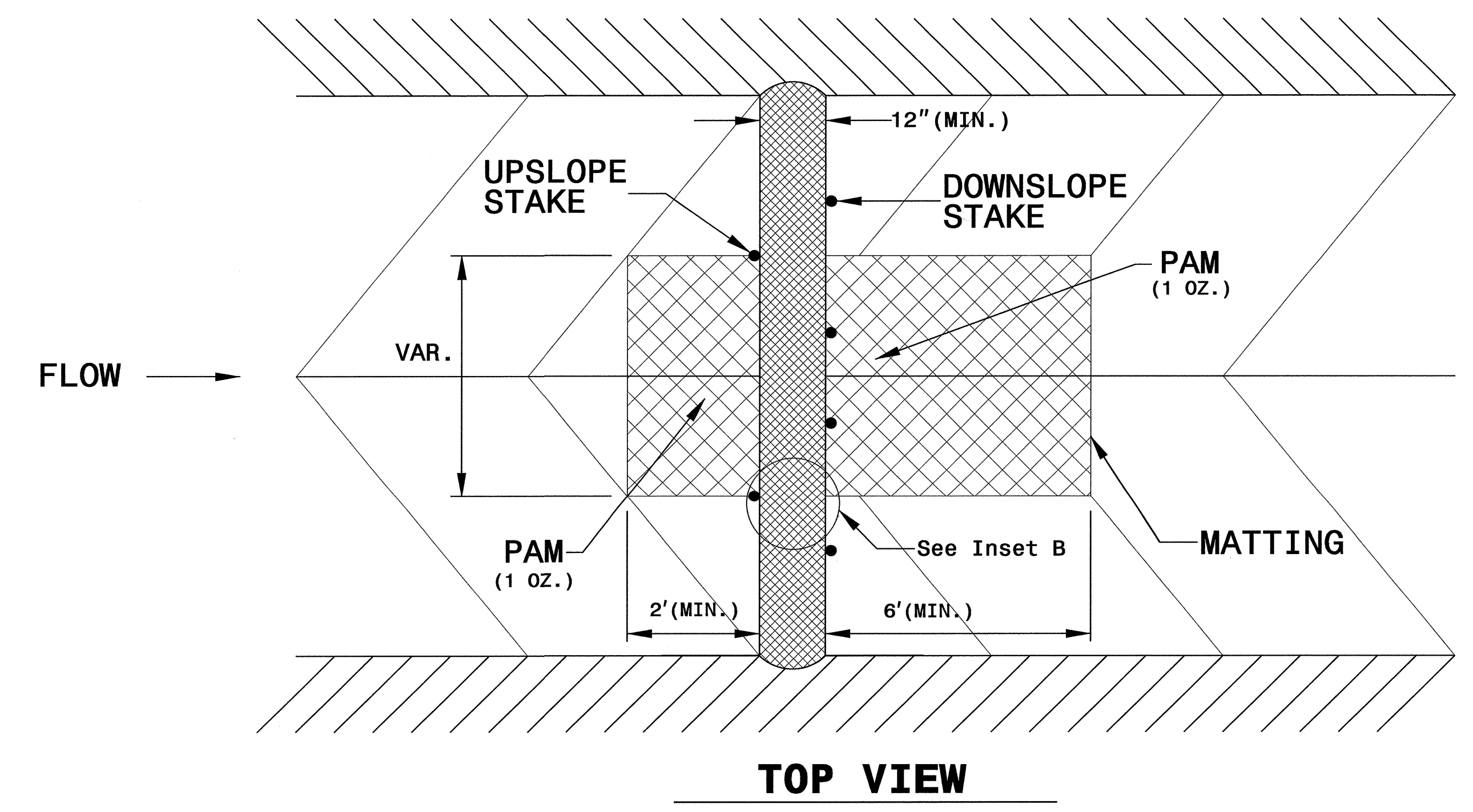
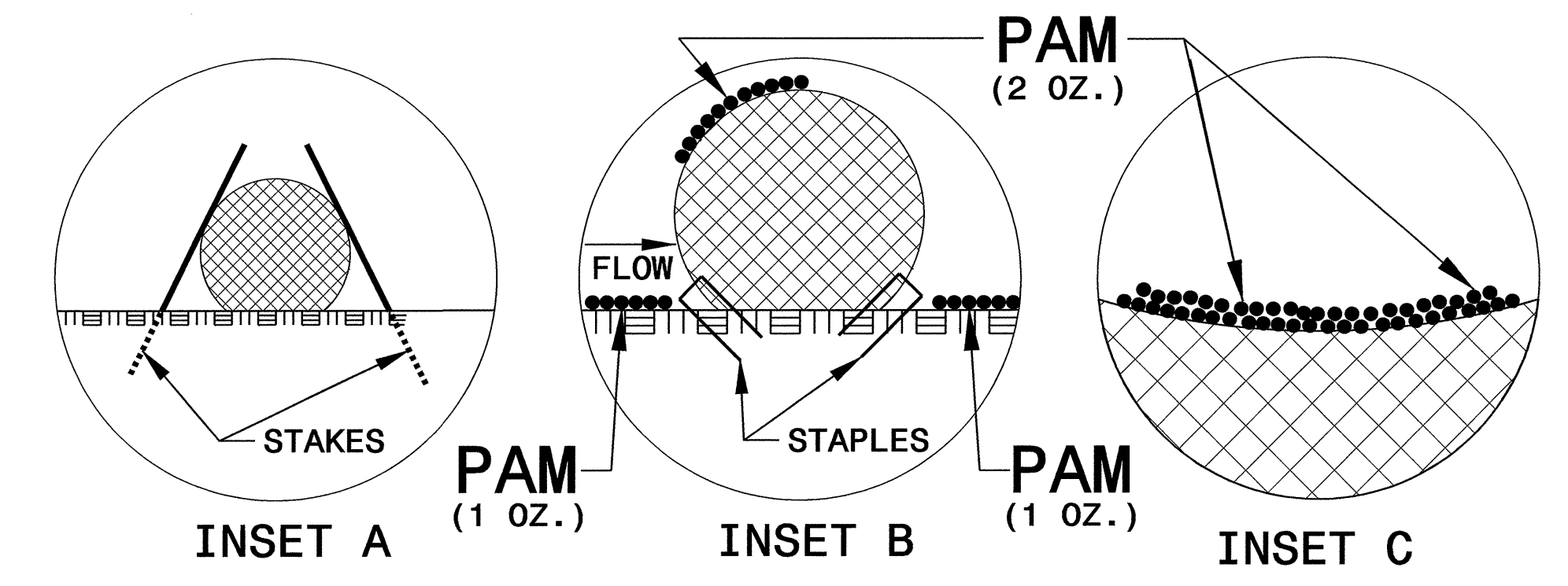
ELEVATION

PROJECT REFERENCE NO. U-3306	SHEET NO. EC-2D
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL

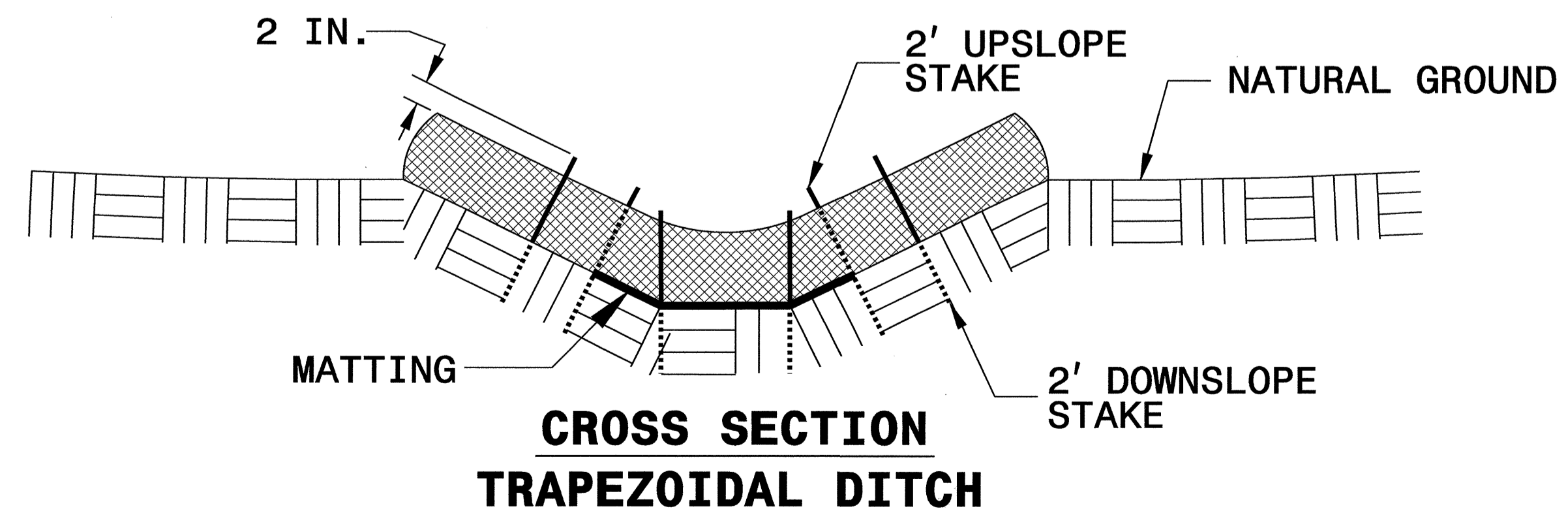
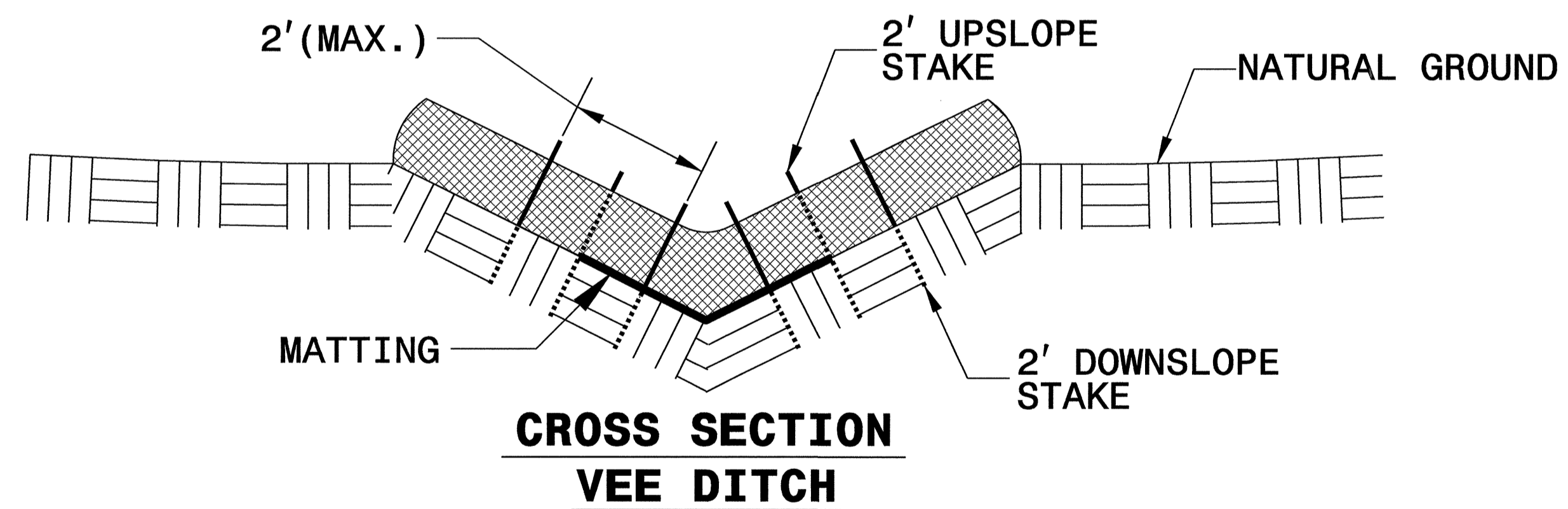
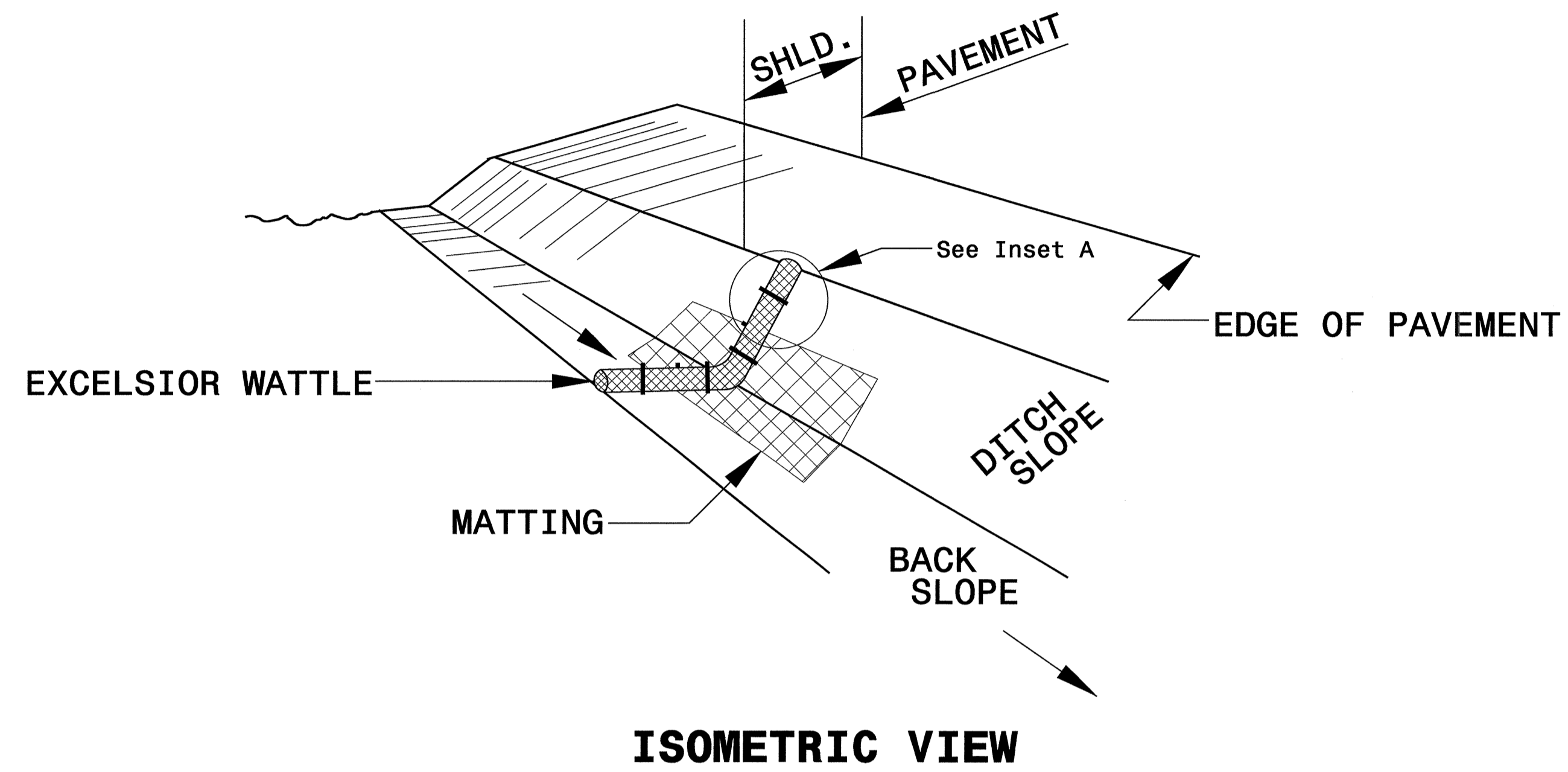


- NOTES:
- USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.
 - USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.
 - ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.
 - INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.
 - PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.
 - INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.
 - INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.
 - 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 WATTLE.
 - INITIALLY APPLY 2 OUNCES OF ANIONIC OR NEUTRALLY CHARGED PAM OVER WATTLE WHERE WATER WILL FLOW AND 1 OUNCE OF PAM ON MATTING ON EACH SIDE OF WATTLE. REAPPLY PAM AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.



PROJECT REFERENCE NO. U-3306	SHEET NO. EC-2E
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

WATTLE DETAIL



NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

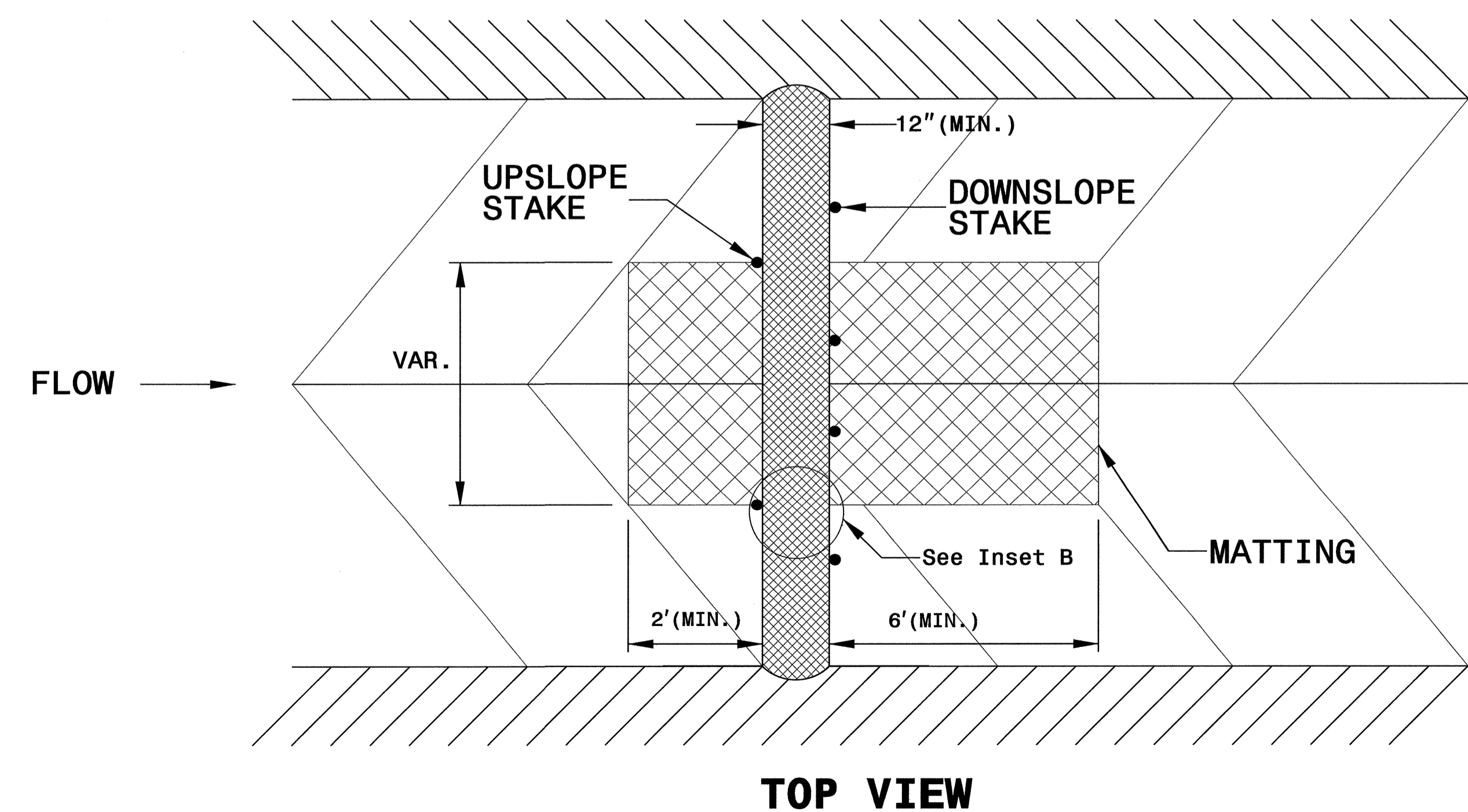
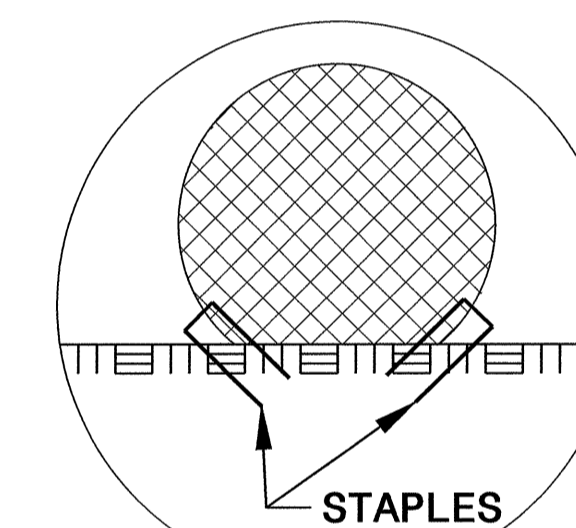
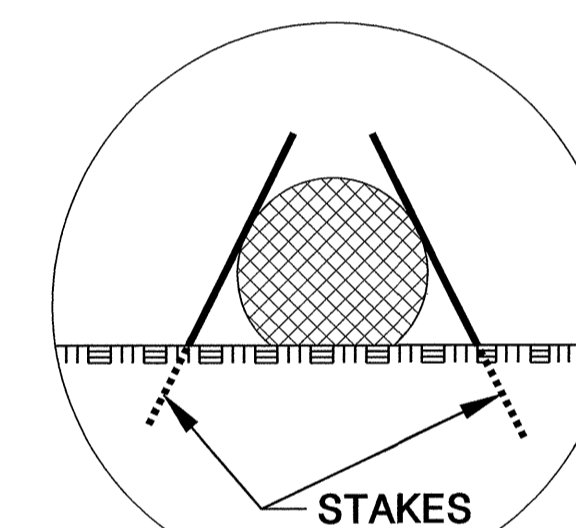
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

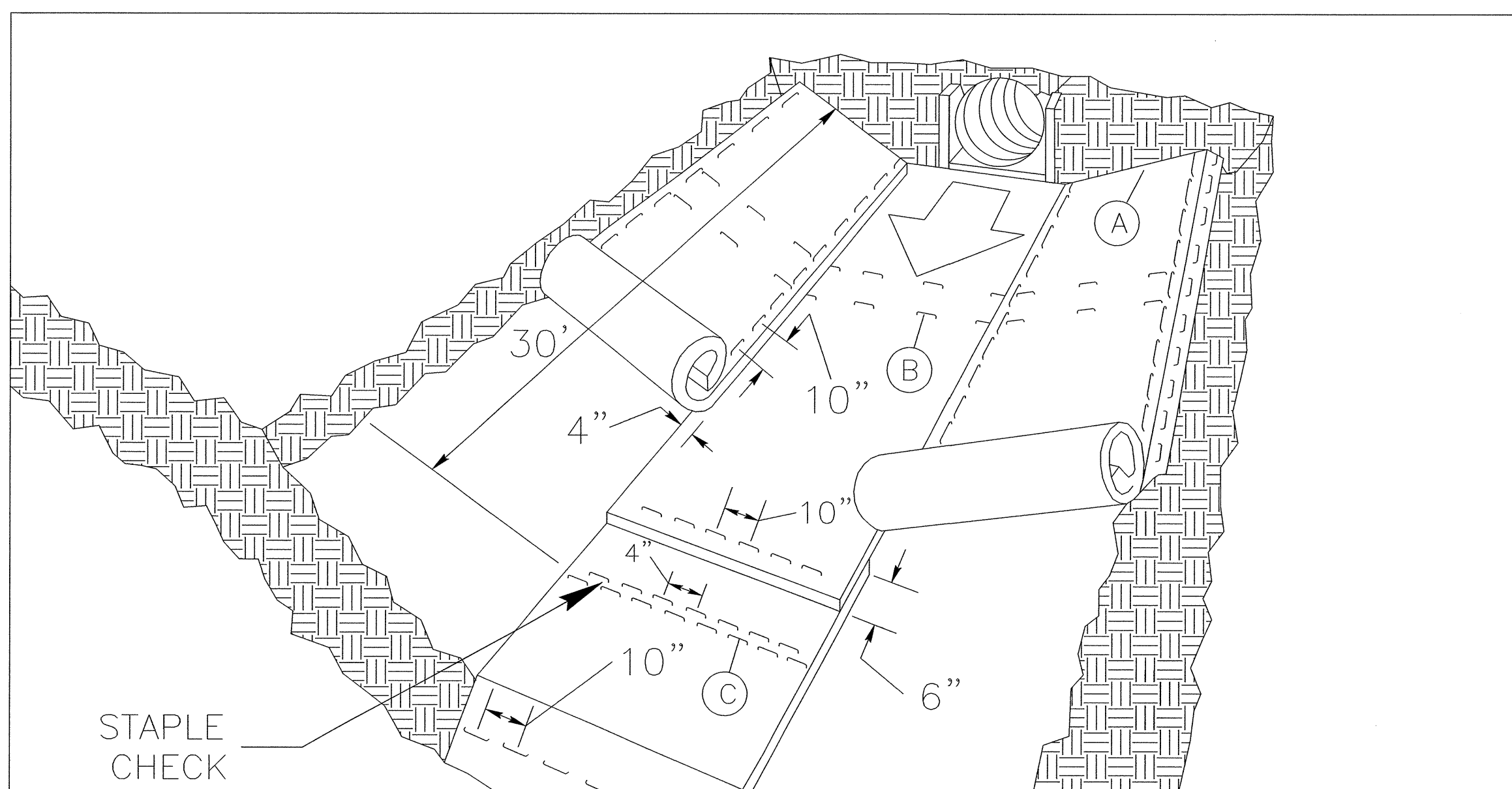
INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



PROJECT REFERENCE NO. U-3306	SHEET NO. EC-2F
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MATTING INSTALLATION DETAIL



MATTING IN DITCHES

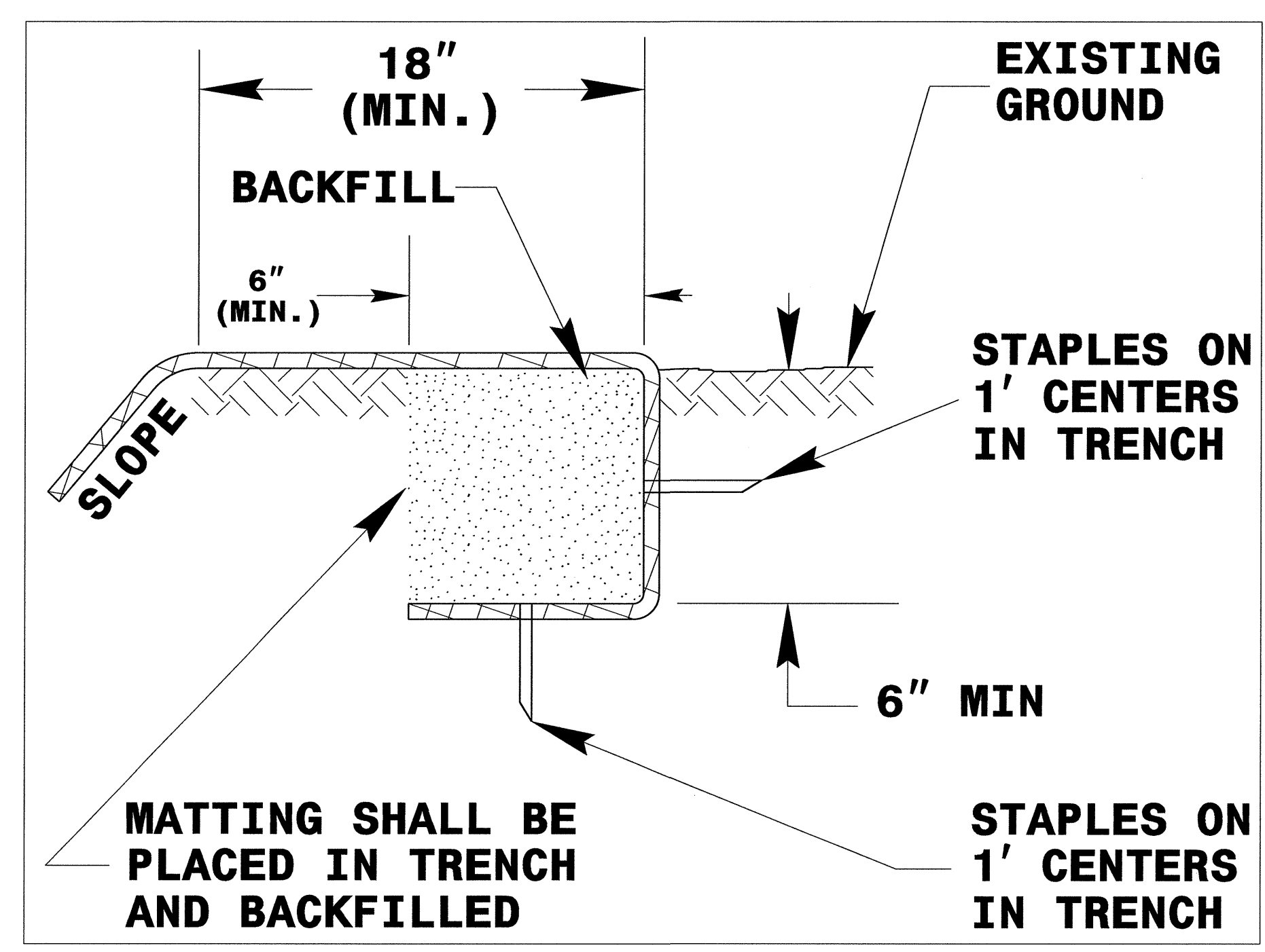
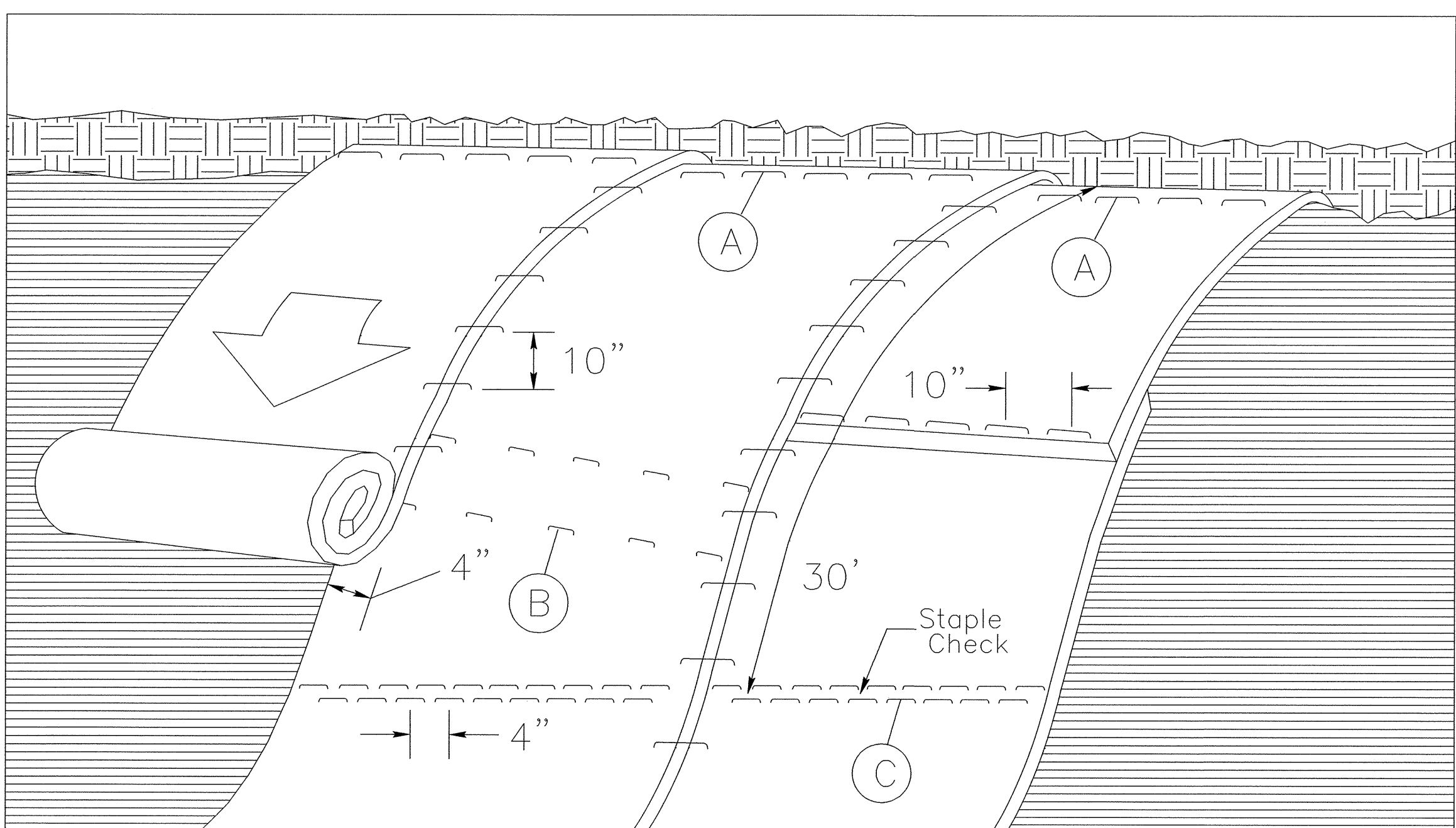


DIAGRAM (A)



MATTING ON SLOPES

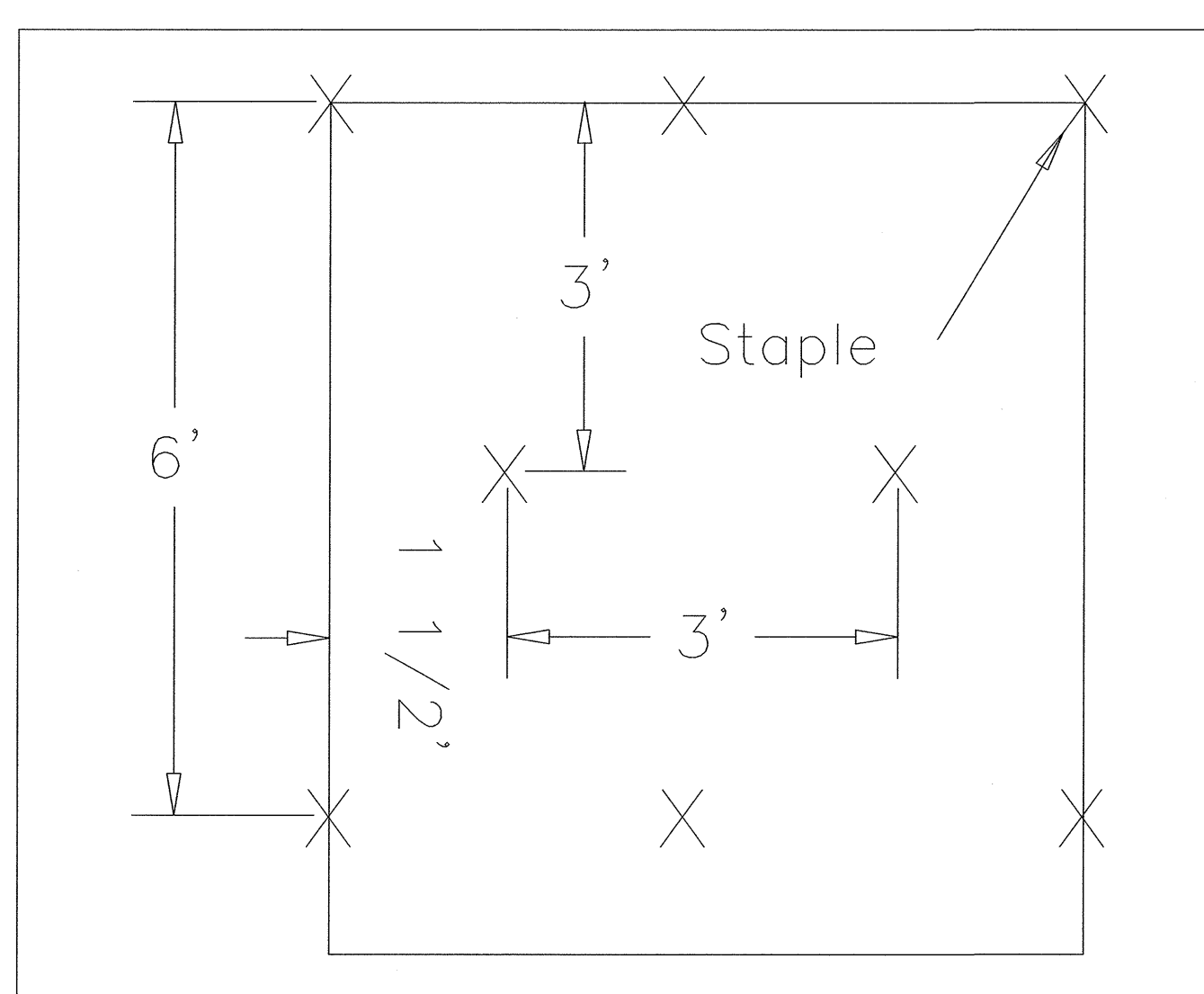


DIAGRAM (B)

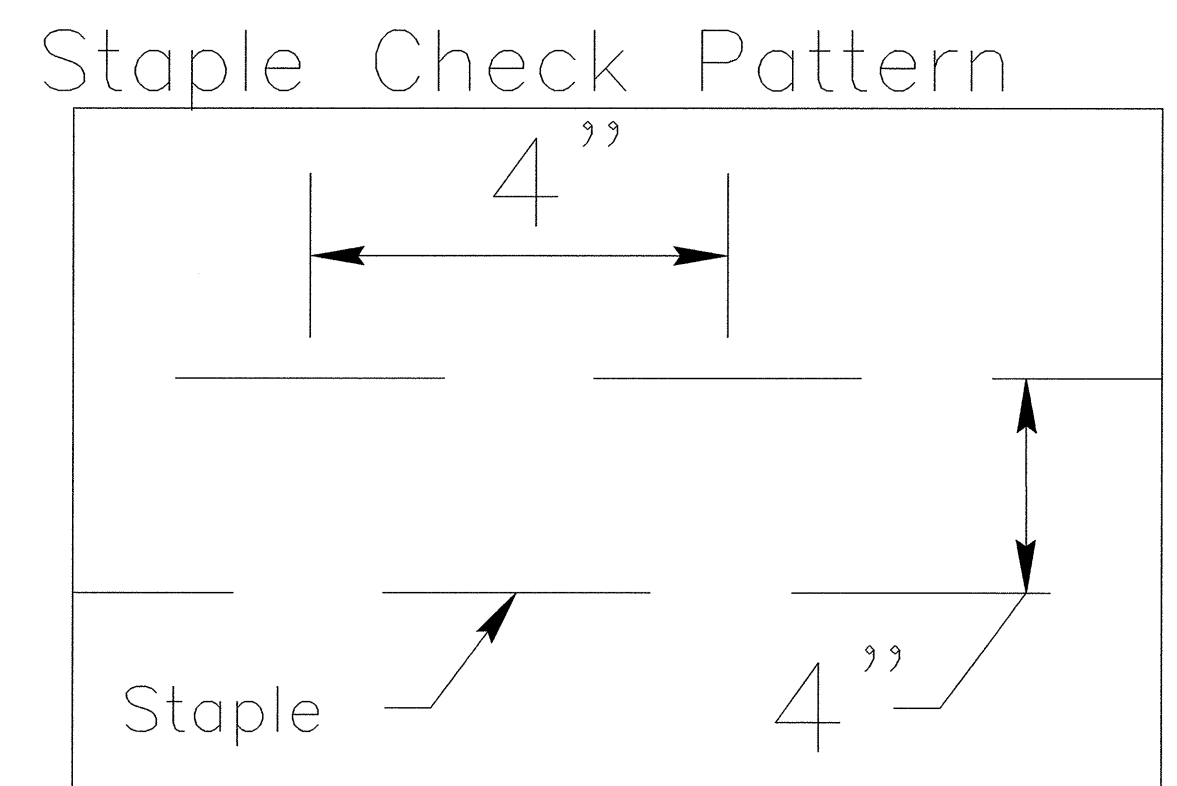


DIAGRAM (C)

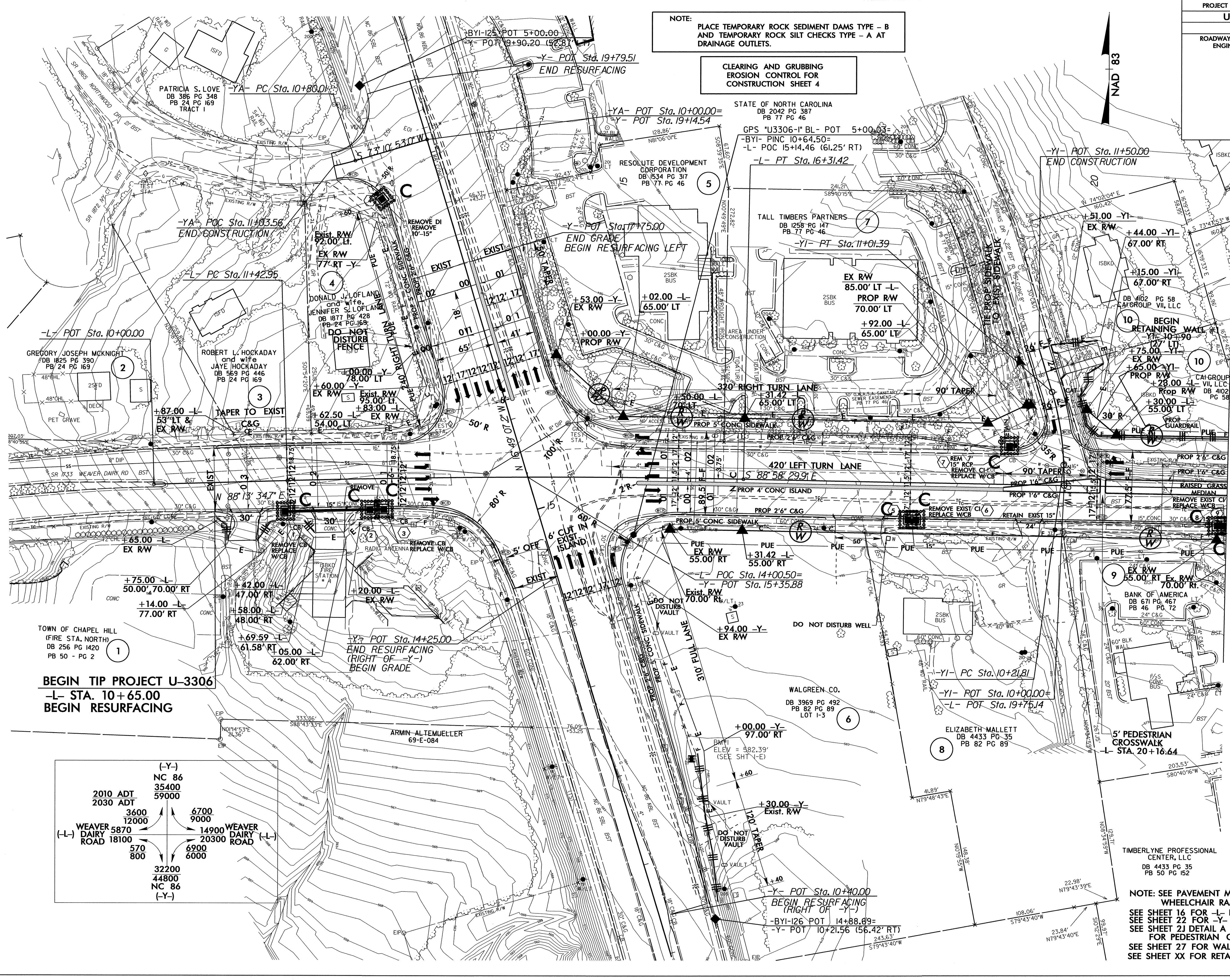
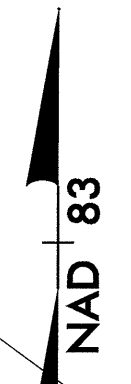
NOTES:
 THIS DETAIL APPLIES TO STRAW, EXCELSIOR, AND PERMANENT SOIL REINFORCEMENT MAT (PSRM) INSTALLATION.
 STAPLES SHALL BE NO. 11 GAUGE STEEL WIRE FORMED INTO A "U" SHAPE WITH A MINIMUM THROAT WIDTH OF 1 INCH AND NOT LESS THAN 6 INCHES IN LENGTH.

NOT TO SCALE

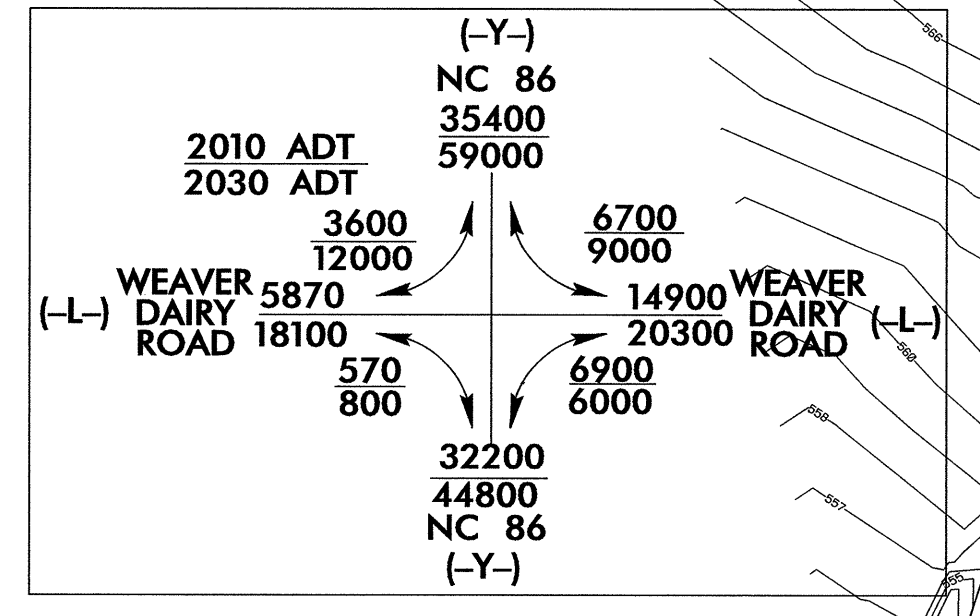
PROJECT REFERENCE NO.	SHEET NO.
U-3306	EC-4/CONST.4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 4



BEGIN TIP PROJECT U-3306
-L- STA. 10+65.00
BEGIN RESURFACING



MATCH LINE -L- STA 21+50 SEE SHEET 5

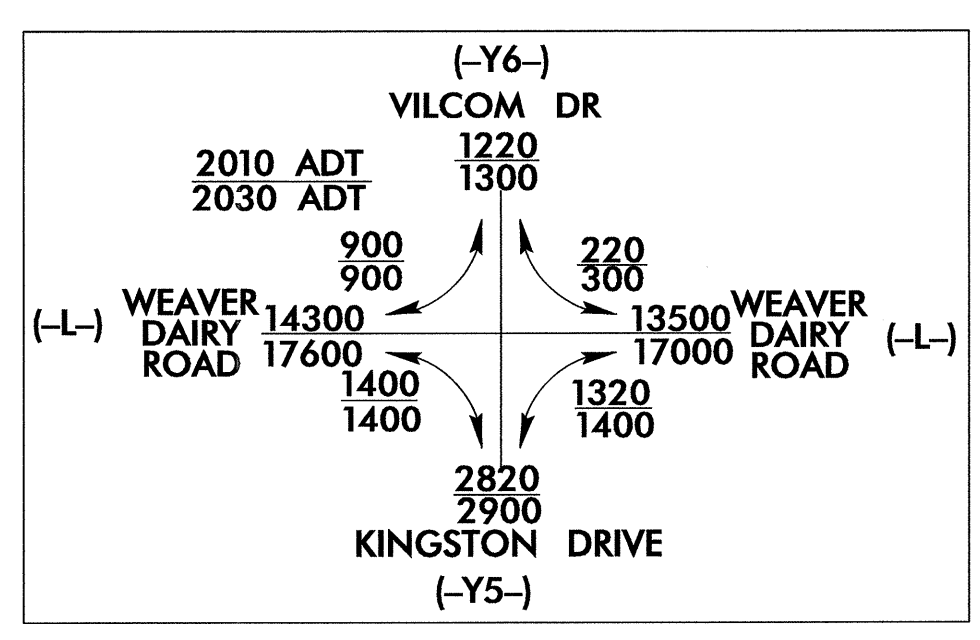
NOTE: SEE PAVEMENT MARKING PLANS FOR WHEELCHAIR RAMP STATIONS
SEE SHEET 16 FOR -L- PROFILE
SEE SHEET 22 FOR -Y- & -YI- PROFILE
SEE SHEET 21 DETAIL A FOR PEDESTRIAN CROSSWALK DETAIL
SEE SHEET 27 FOR WALL ENVELOPE
SEE SHEET XX FOR RETAINING WALL PLANS

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
U-3306	EC-5/CONST.5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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

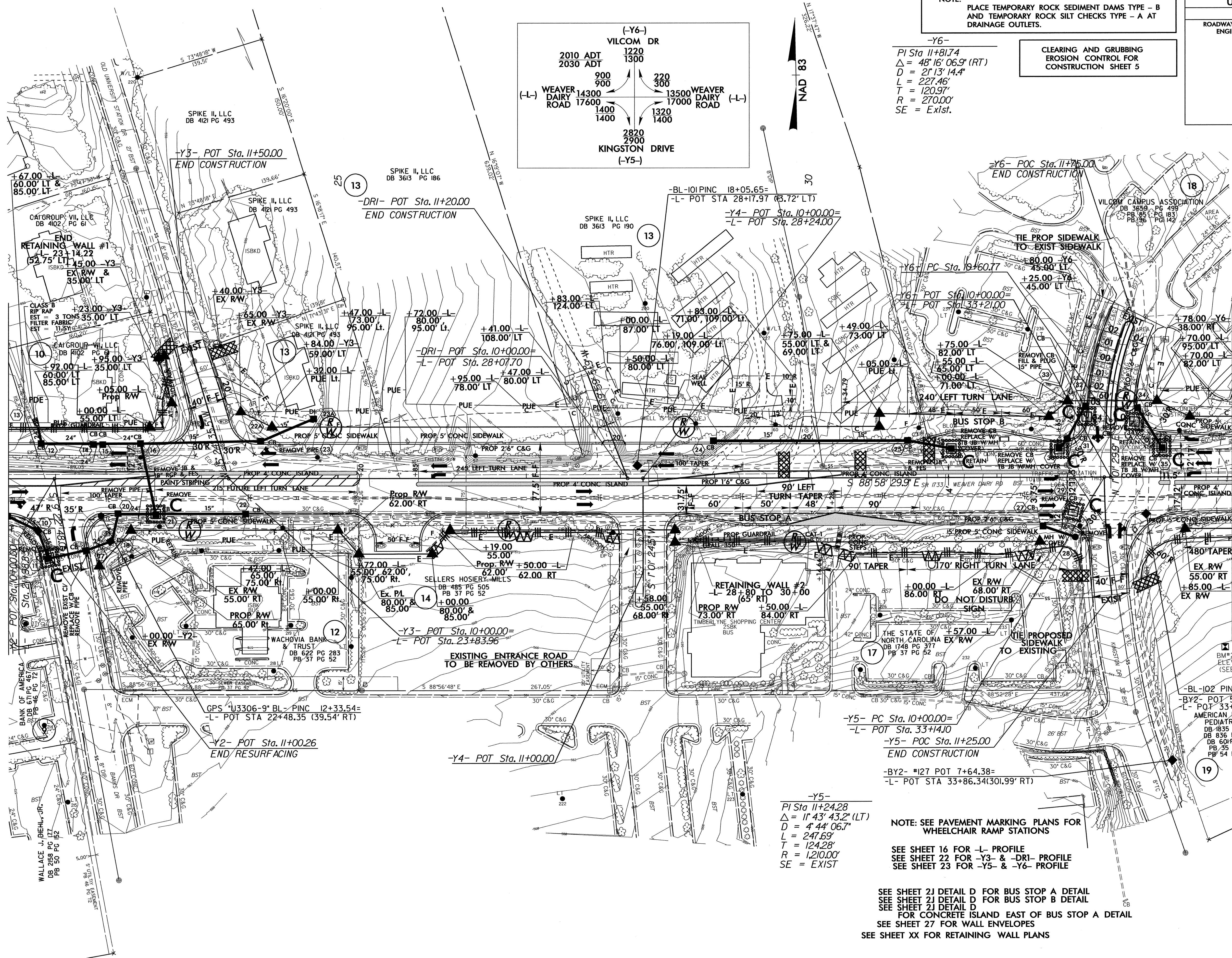
CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 5



-Y6-
PI Sta 11+81.74
 $\Delta = 48' 16" 06.9" (RT)$
 $D = 21' 13" 14.4"$
 $L = 227.46'$
 $T = 120.97'$
 $R = 270.00'$
SE = Exist.

MATCH LINE -L- STA 21+50 SEE SHEET 4

MATCH LINE -L- STA 34+50 SEE SHEET 6



-Y5-
PI Sta 11+24.28
 $\Delta = 11' 43" 43.2" (LT)$
 $D = 4' 44" 06.7"$
 $L = 247.69'$
 $T = 124.28'$
 $R = 1210.00'$
SE = EXIST

NOTE: SEE PAVEMENT MARKING PLANS FOR WHEELCHAIR RAMP STATIONS

SEE SHEET 16 FOR -L- PROFILE
SEE SHEET 22 FOR -Y3- & -DRI- PROFILE
SEE SHEET 23 FOR -Y5- & -Y6- PROFILE

SEE SHEET 2J DETAIL D FOR BUS STOP A DETAIL
SEE SHEET 2J DETAIL D FOR BUS STOP B DETAIL
SEE SHEET 2J DETAIL D FOR CONCRETE ISLAND EAST OF BUS STOP A DETAIL
SEE SHEET 27 FOR WALL ENVELOPES
SEE SHEET XX FOR RETAINING WALL PLANS

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8/17/99

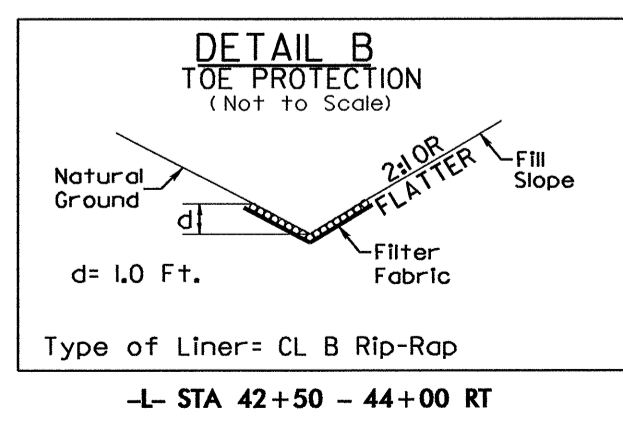
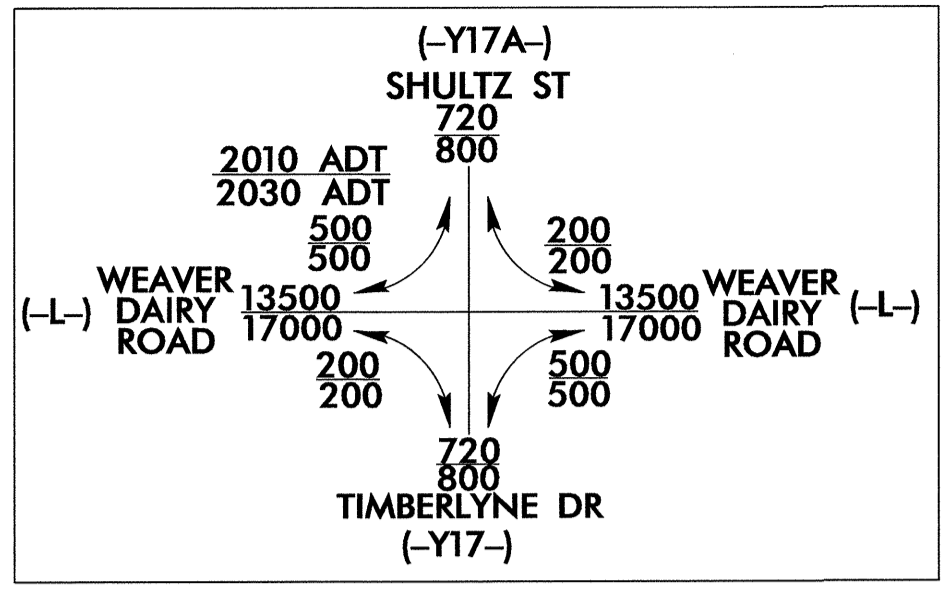
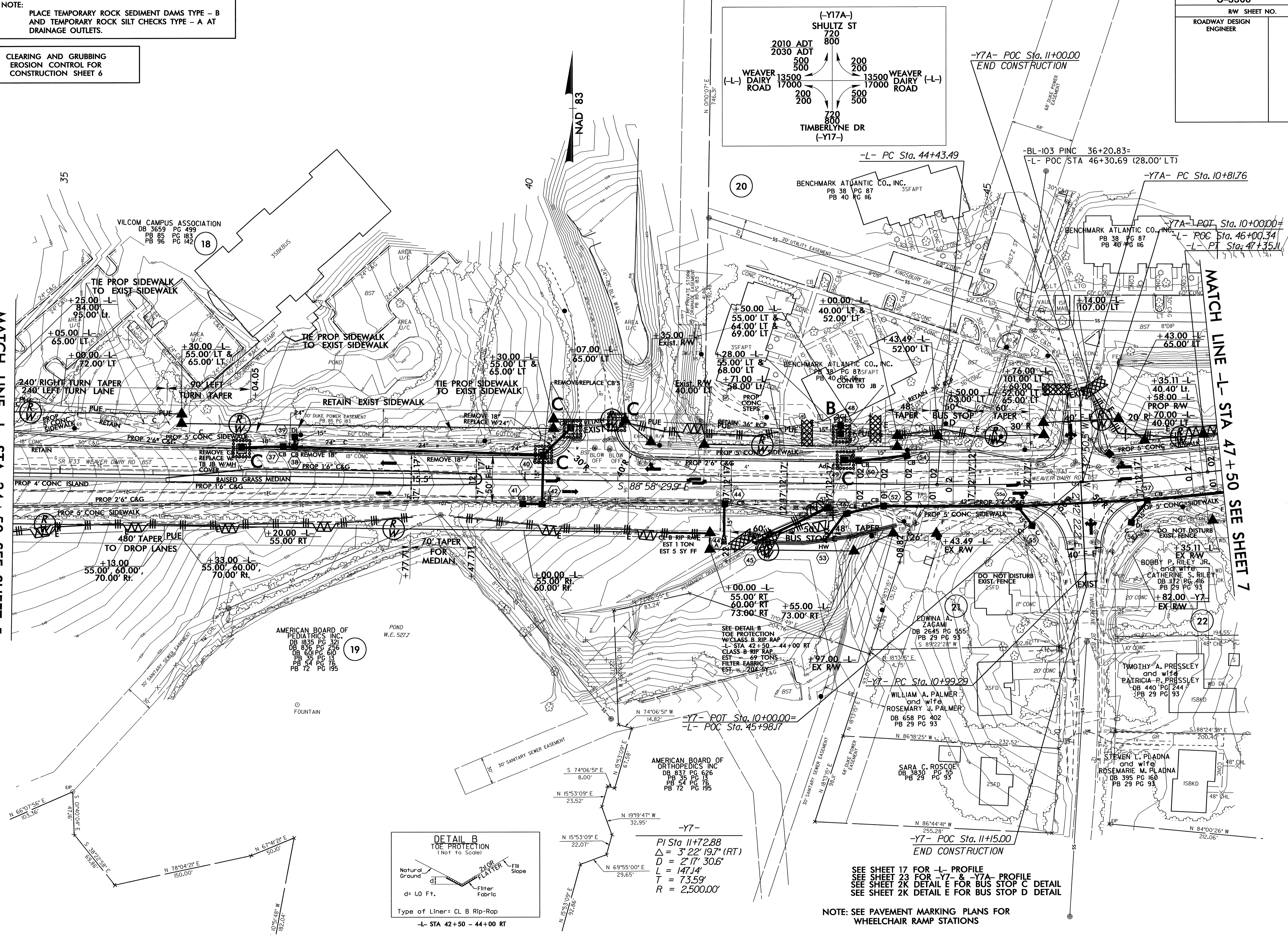
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 6

PROJECT REFERENCE NO.	SHEET NO.
U-3306	EC-6/CONST.6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MATCH LINE -L- STA 34+50 SEE SHEET 5

MATCH LINE -L- STA 47+50 SEE SHEET 7



AMERICAN BOARD OF ORTHOPEDICS, INC.
DB 837 PG 626
PB 35 PG 13
PB 54 PG 76
PB 72 PG 195

-Y7-
PI Sta 11+72.88
 $\Delta = 3' 22' 19.7''$ (RT)
 $D = 2' 17' 30.6''$
 $L = 147.14'$
 $T = 73.59'$
 $R = 2,500.00'$

SEE SHEET 17 FOR -L- PROFILE
SEE SHEET 23 FOR -Y7- & -Y7A- PROFILE
SEE SHEET 2K DETAIL E FOR BUS STOP C DETAIL
SEE SHEET 2K DETAIL E FOR BUS STOP D DETAIL

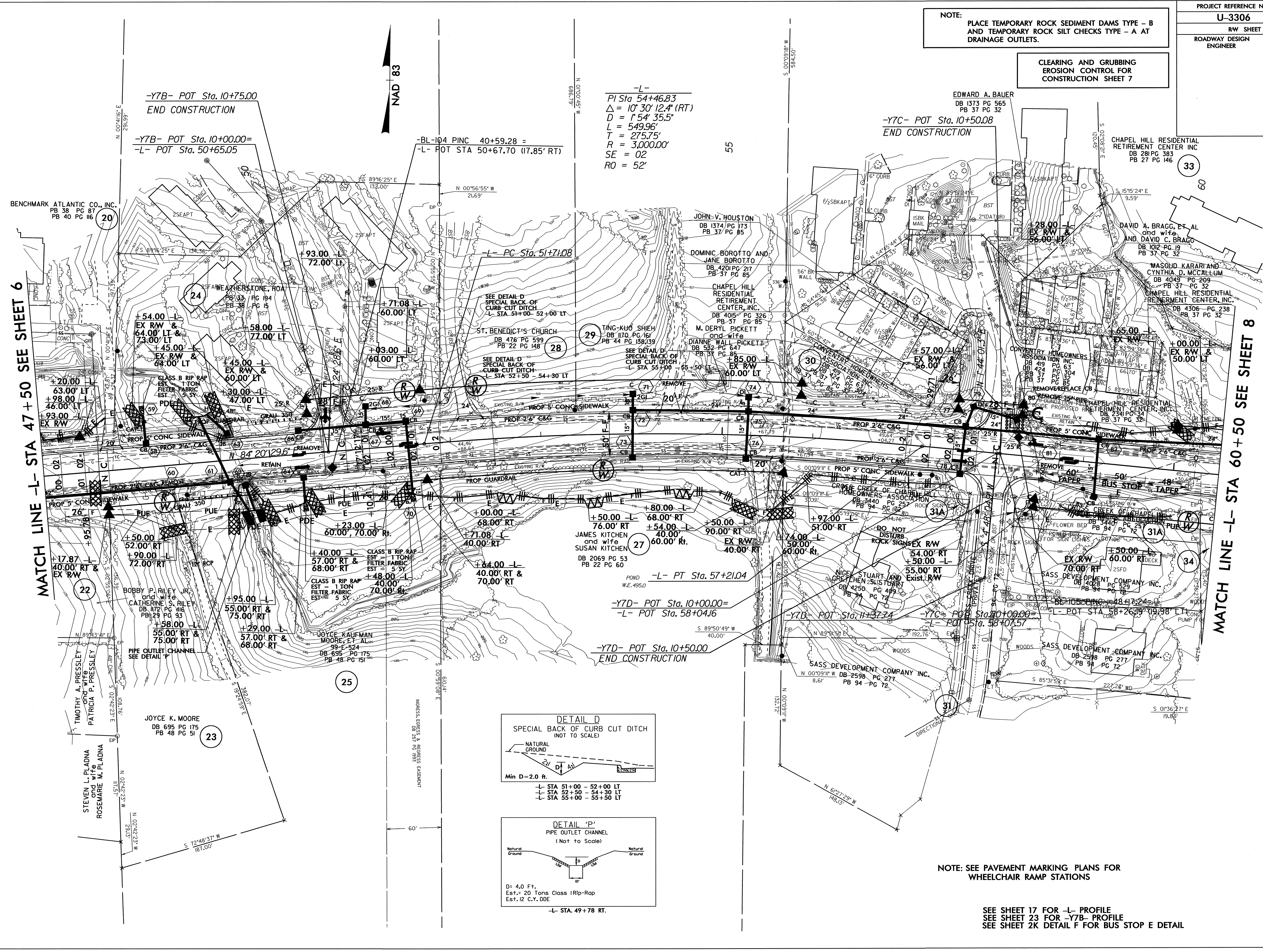
NOTE: SEE PAVEMENT MARKING PLANS FOR
WHEELCHAIR RAMP STATIONS

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REVISIONS

PROJECT REFERENCE NO.		SHEET NO.	
U-3306		EC-7/CONST	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER			

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

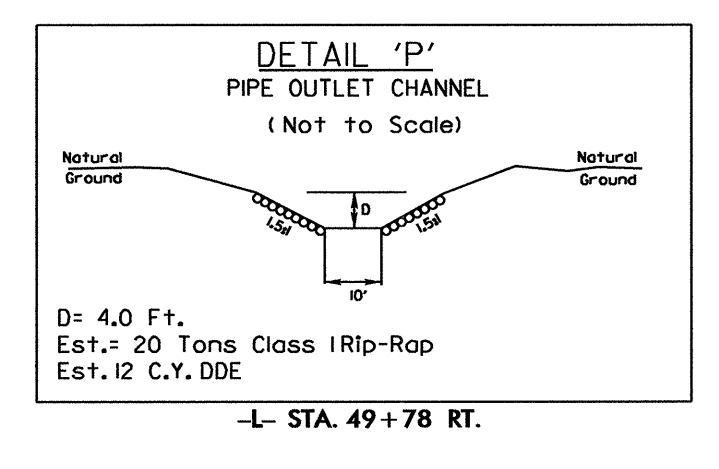
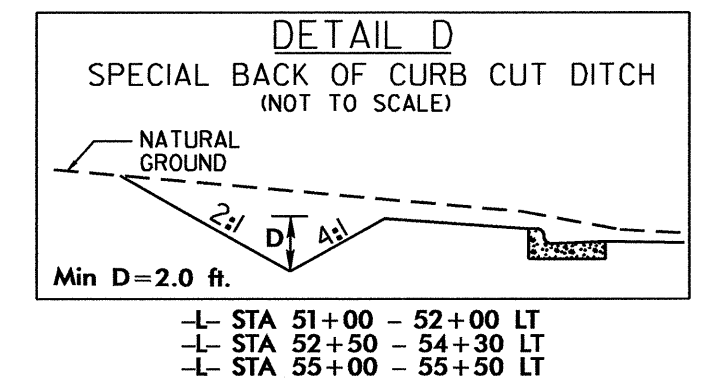
CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 7



-L-
 PI Sta 54+46.83
 $\Delta = 10^\circ 30' 12.4''$ (RT)
 $D = 1' 54' 35.5''$
 $L = 549.96'$
 $T = 275.75'$
 $R = 3,000.00'$
 $SE = 02$
 $RO = 52'$

MATCH LINE -L- STA 47+50 SEE SHEET 6

MATCH LINE -L- STA 60+50 SEE SHEET 8



NOTE: SEE PAVEMENT MARKING PLANS FOR WHEELCHAIR RAMP STATIONS

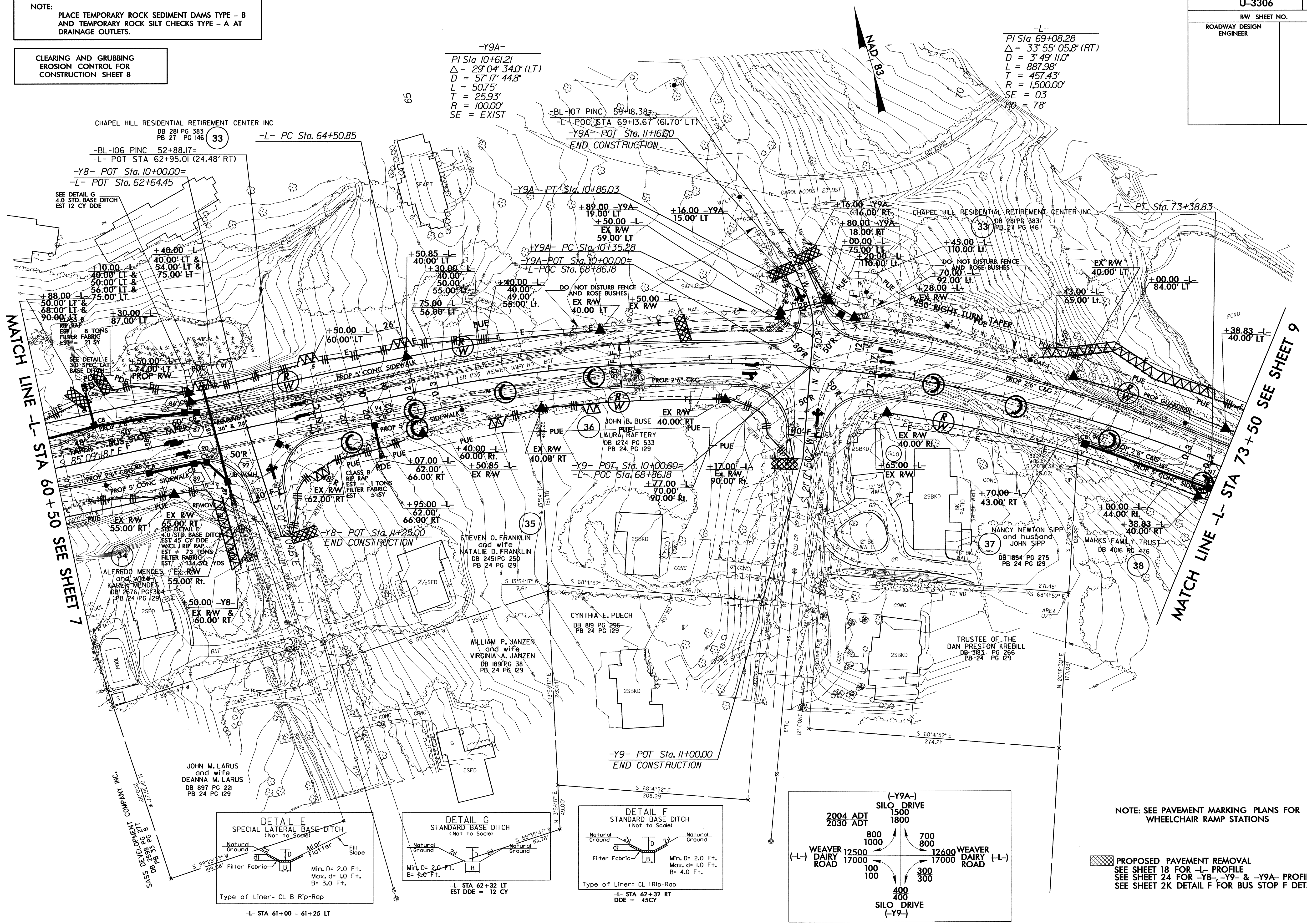
SEE SHEET 17 FOR -L- PROFILE
 SEE SHEET 23 FOR -Y7B- PROFILE
 SEE SHEET 2K DETAIL F FOR BUS STOP E DETAIL

8/17/99

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

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 8

PROJECT REFERENCE NO.	SHEET NO.
U-3306	EC-8/CONST.8
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

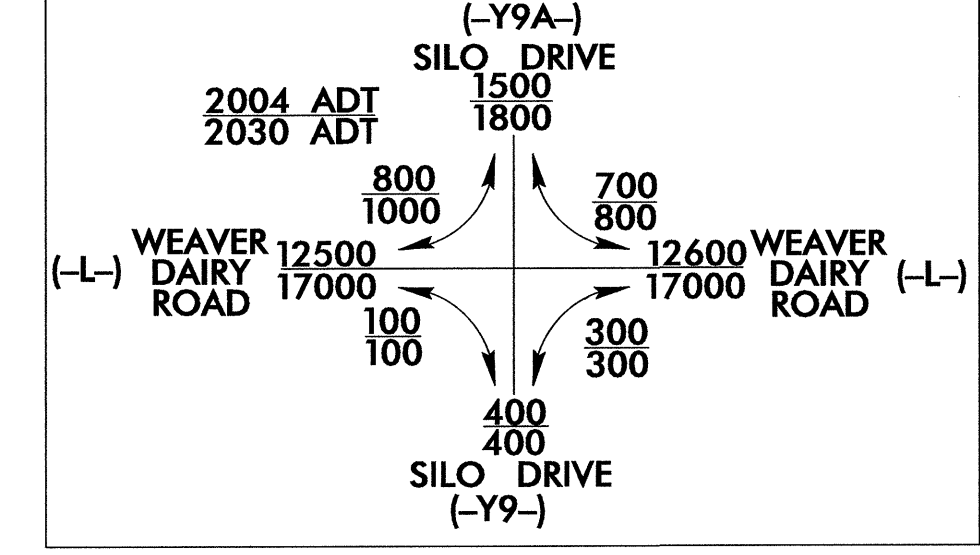
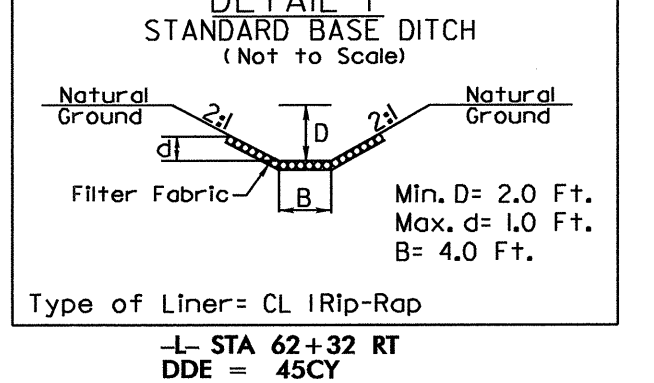
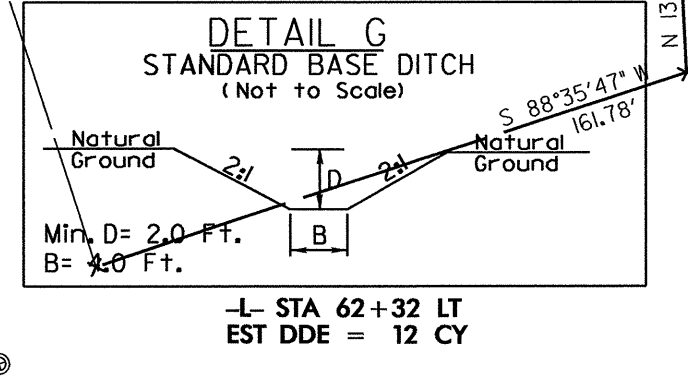
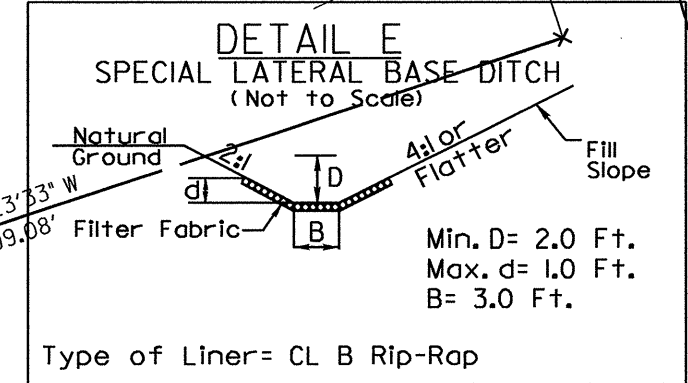


-L-
 PI Sta 69+08.28
 $\Delta = 33^{\circ} 55' 05.8''$ (RT)
 $D = 3^{\circ} 49' 11.0''$
 $L = 887.98'$
 $T = 457.43'$
 $R = 1,500.00'$
 $SE = 03$
 $PO = 78'$

-Y9A-
 PI Sta 10+61.21
 $\Delta = 29^{\circ} 04' 34.0''$ (LT)
 $D = 57^{\circ} 17' 44.8''$
 $L = 50.75'$
 $T = 25.93'$
 $R = 100.00'$
 $SE = EXIST$

MATCH LINE -L- STA 60+50 SEE SHEET 7

MATCH LINE -L- STA 73+50 SEE SHEET 9

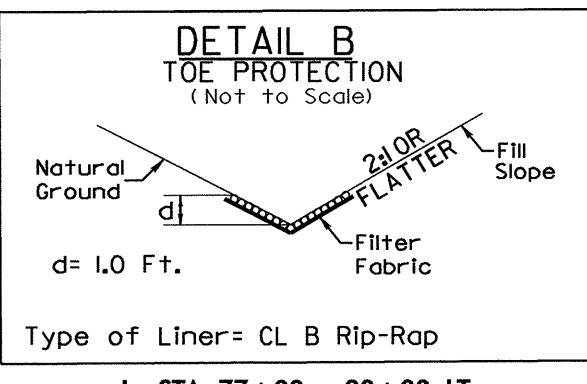
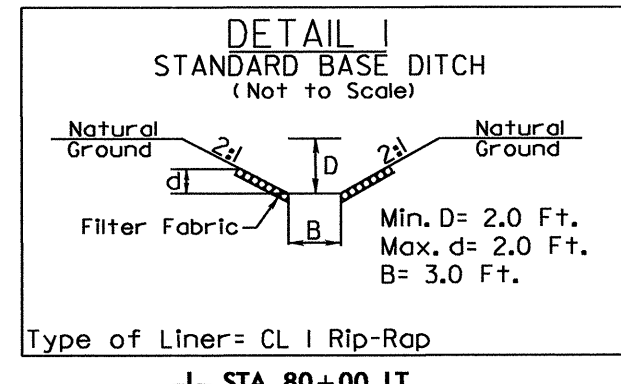
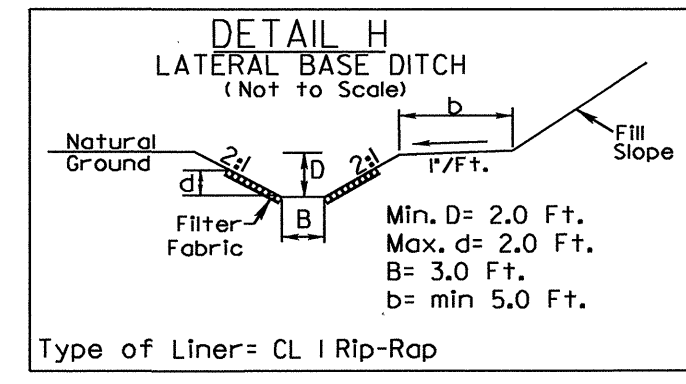


NOTE: SEE PAVEMENT MARKING PLANS FOR WHEELCHAIR RAMP STATIONS

PROPOSED PAVEMENT REMOVAL
 SEE SHEET 18 FOR -L- PROFILE
 SEE SHEET 24 FOR -Y8-, -Y9- & -Y9A- PROFILE
 SEE SHEET 2K DETAIL F FOR BUS STOP F DETAIL

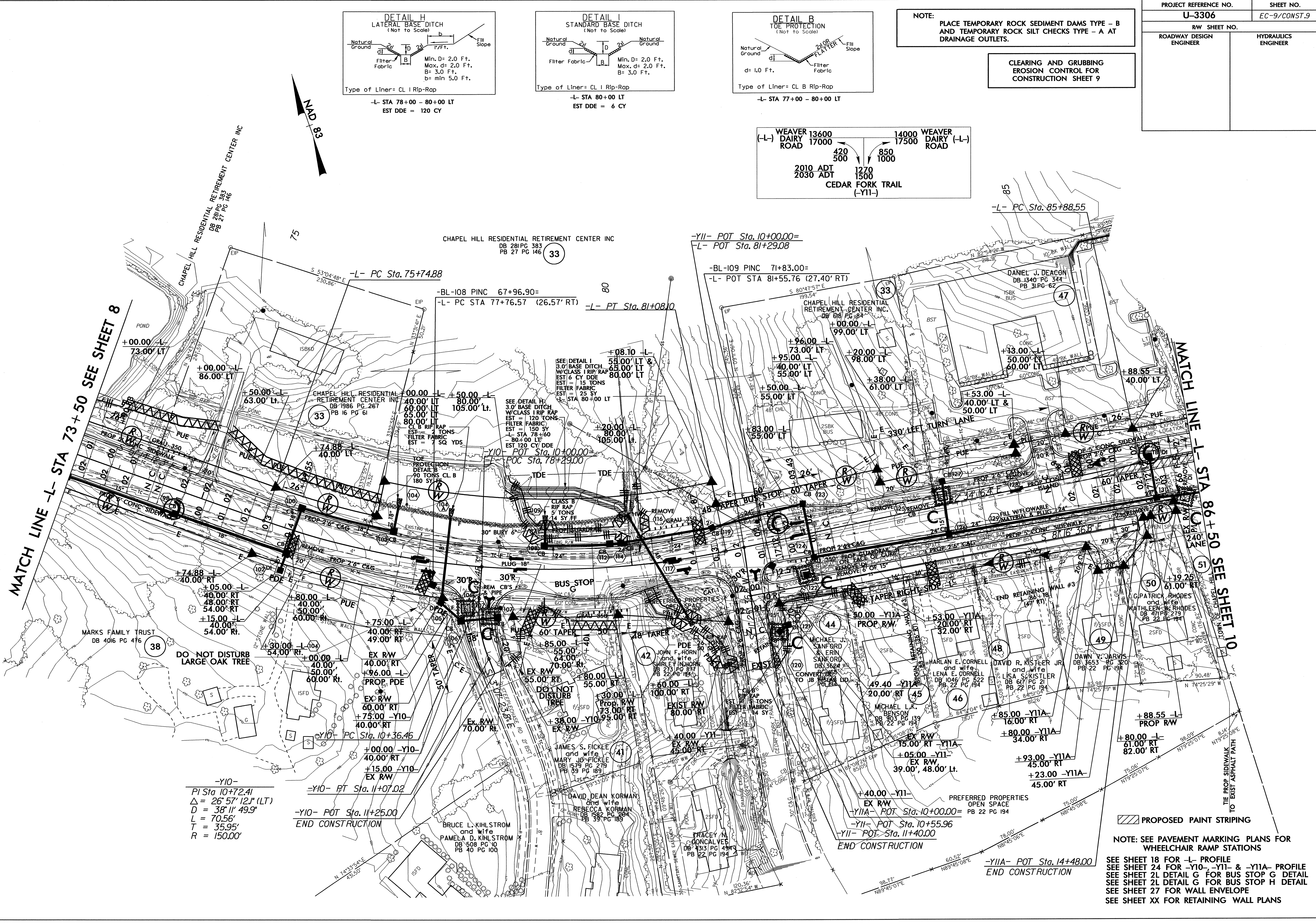
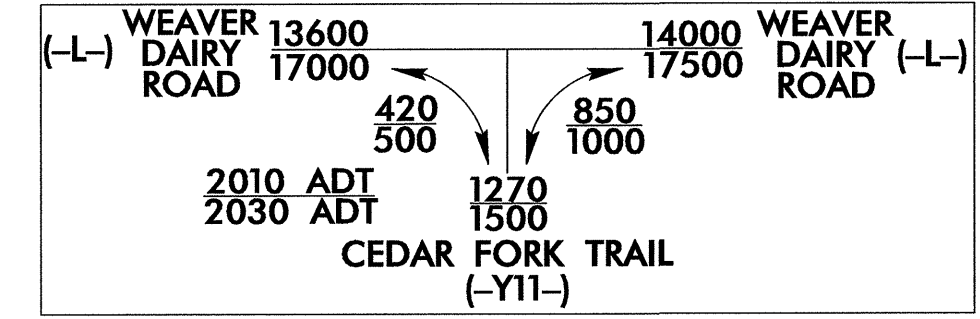
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PROJECT REFERENCE NO.	SHEET NO.
U-3306	EC-9/CONST.9
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



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

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 9



MATCH LINE -L- STA 73+50 SEE SHEET 8

MATCH LINE -L- STA 86+50 SEE SHEET 10

-Y10-
 PI Sta 10+72.41
 $\Delta = 26' 57'' 12''$ (LT)
 $L = 38' 11'' 49.9''$
 $D = 70.56'$
 $T = 35.95'$
 $R = 150.00'$

-Y10- POT Sta. 11+25.00
 END CONSTRUCTION

-Y11- POT Sta. 10+00.00=
 -Y11- POT Sta. 11+40.00
 END CONSTRUCTION

-Y11- POT Sta. 14+48.00
 END CONSTRUCTION

NOTE: SEE PAVEMENT MARKING PLANS FOR WHEELCHAIR RAMP STATIONS
 SEE SHEET 18 FOR -L- PROFILE
 SEE SHEET 24 FOR -Y10-, -Y11- & -Y11A- PROFILE
 SEE SHEET 2L DETAIL G FOR BUS STOP G DETAIL
 SEE SHEET 2L DETAIL G FOR BUS STOP H DETAIL
 SEE SHEET 27 FOR WALL ENVELOPE
 SEE SHEET XX FOR RETAINING WALL PLANS

8/17/99

PROJECT REFERENCE NO.		SHEET NO.	
U-3306		EC-10/CONST.10	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

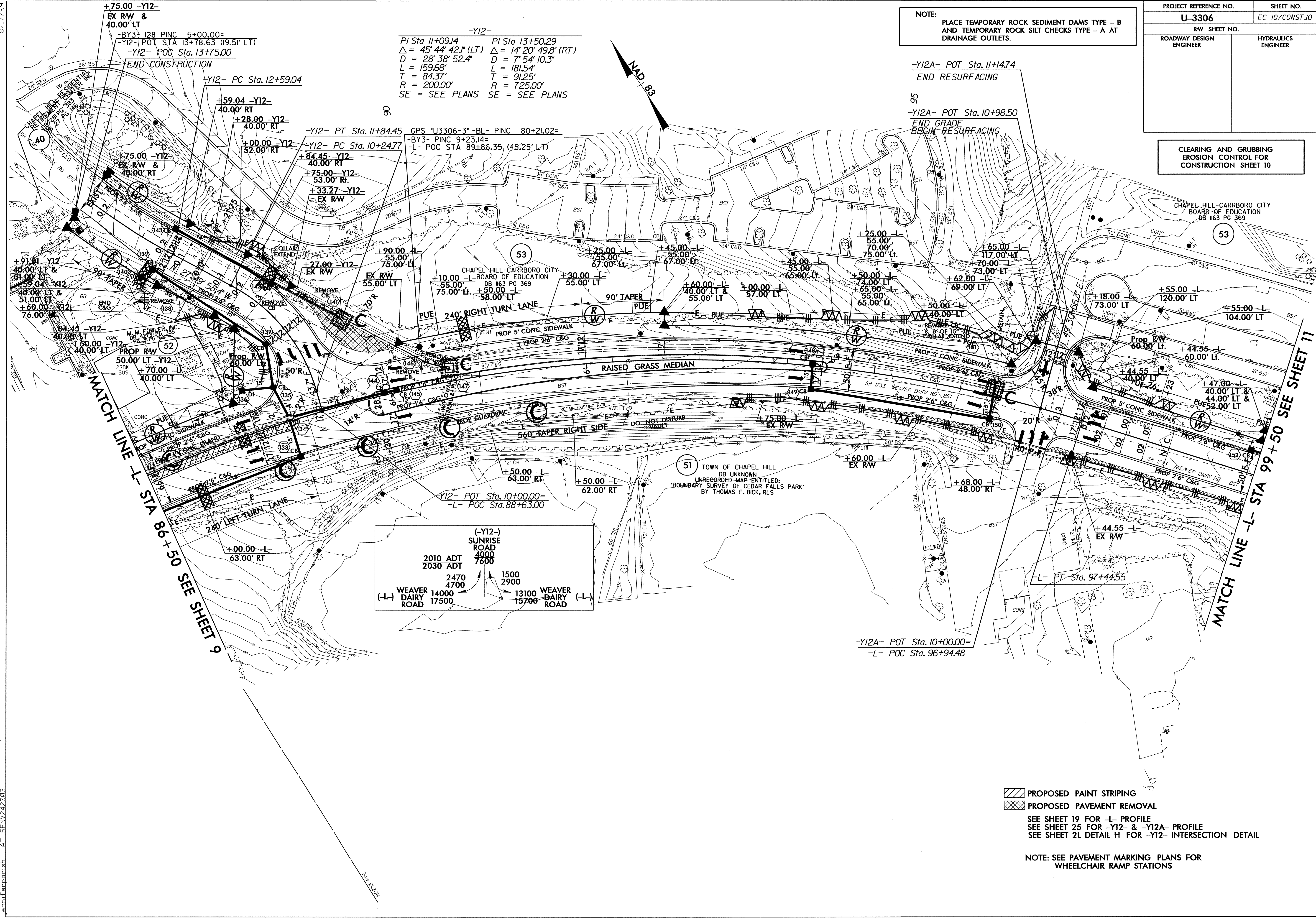
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

-Y12-
PI Sta 11+09.14 PI Sta 13+50.29
 $\Delta = 45^{\circ} 44' 42.1''$ (LT) $\Delta = 14^{\circ} 20' 49.8''$ (RT)
 $D = 28' 38'' 52.4''$ $D = 7' 54'' 10.3''$
 $L = 159.68'$ $L = 181.54'$
 $T = 84.37'$ $T = 91.25'$
 $R = 200.00'$ $R = 725.00'$
 SE = SEE PLANS SE = SEE PLANS

-Y12A- POT Sta. 11+14.74
END RESURFACING

-Y12A- POT Sta. 10+98.50
END GRADE BEGIN RESURFACING

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 10



MATCH LINE -L- STA 86+50 SEE SHEET 9

MATCH LINE -L- STA 99+50 SEE SHEET 11

(-Y12-) SUNRISE ROAD	
2010 ADT	4000
2030 ADT	7600
2470	1500
4700	2900
(-L-) WEAVER DAIRY ROAD	14000
	17500
	13100
	15700
(-L-) WEAVER DAIRY ROAD	

PROPOSED PAINT STRIPING
 PROPOSED PAVEMENT REMOVAL
 SEE SHEET 19 FOR -L- PROFILE
 SEE SHEET 25 FOR -Y12- & -Y12A- PROFILE
 SEE SHEET 2L DETAIL H FOR -Y12- INTERSECTION DETAIL
 NOTE: SEE PAVEMENT MARKING PLANS FOR WHEELCHAIR RAMP STATIONS

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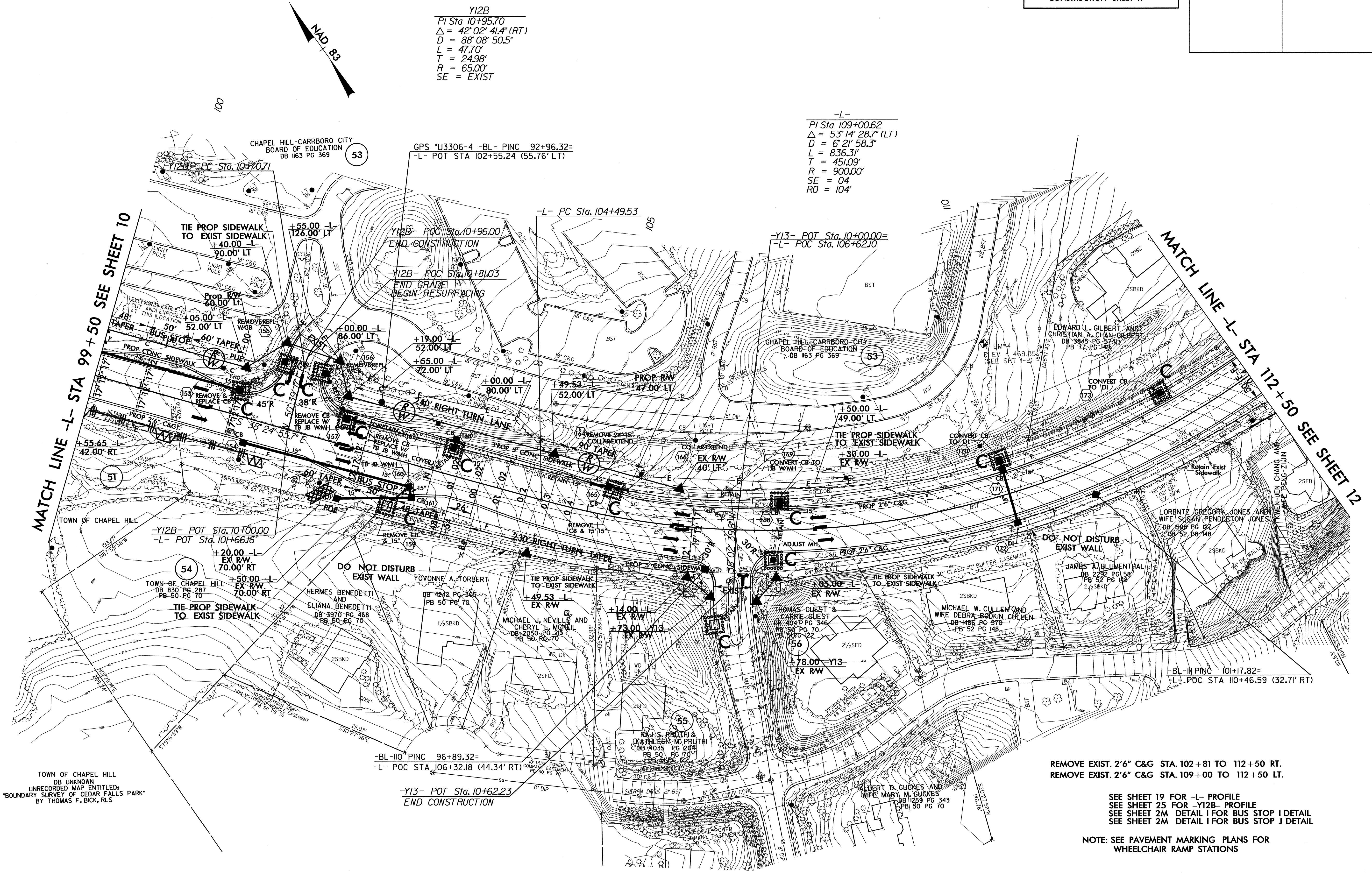
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U-3306		EC-11/CONST.11	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

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

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 11

Y12B
 PI Sta 10+95.70
 $\Delta = 42' 02" 41.4" (RT)$
 $D = 88' 08" 50.5"$
 $L = 47.70'$
 $T = 24.98'$
 $R = 65.00'$
 SE = EXIST

-L-
 PI Sta 109+00.62
 $\Delta = 53' 14" 28.7" (LT)$
 $D = 6' 21" 58.3"$
 $L = 836.31'$
 $T = 451.09'$
 $R = 900.00'$
 $SE = 04'$
 $RO = 104'$



MATCH LINE -L- STA 99 + 50 SEE SHEET 10

MATCH LINE -L- STA 112 + 50 SEE SHEET 12

TOWN OF CHAPEL HILL
 DB UNKNOWN
 UNRECORDED MAP ENTITLED:
 'BOUNDARY SURVEY OF CEDAR FALLS PARK'
 BY THOMAS F. BICK, RLS

REMOVE EXIST. 2'6" C&G STA. 102 + 81 TO 112 + 50 RT.
 REMOVE EXIST. 2'6" C&G STA. 109 + 00 TO 112 + 50 LT.

SEE SHEET 19 FOR -L- PROFILE
 SEE SHEET 25 FOR -Y12B- PROFILE
 SEE SHEET 2M DETAIL I FOR BUS STOP I DETAIL
 SEE SHEET 2M DETAIL I FOR BUS STOP J DETAIL

NOTE: SEE PAVEMENT MARKING PLANS FOR WHEELCHAIR RAMP STATIONS

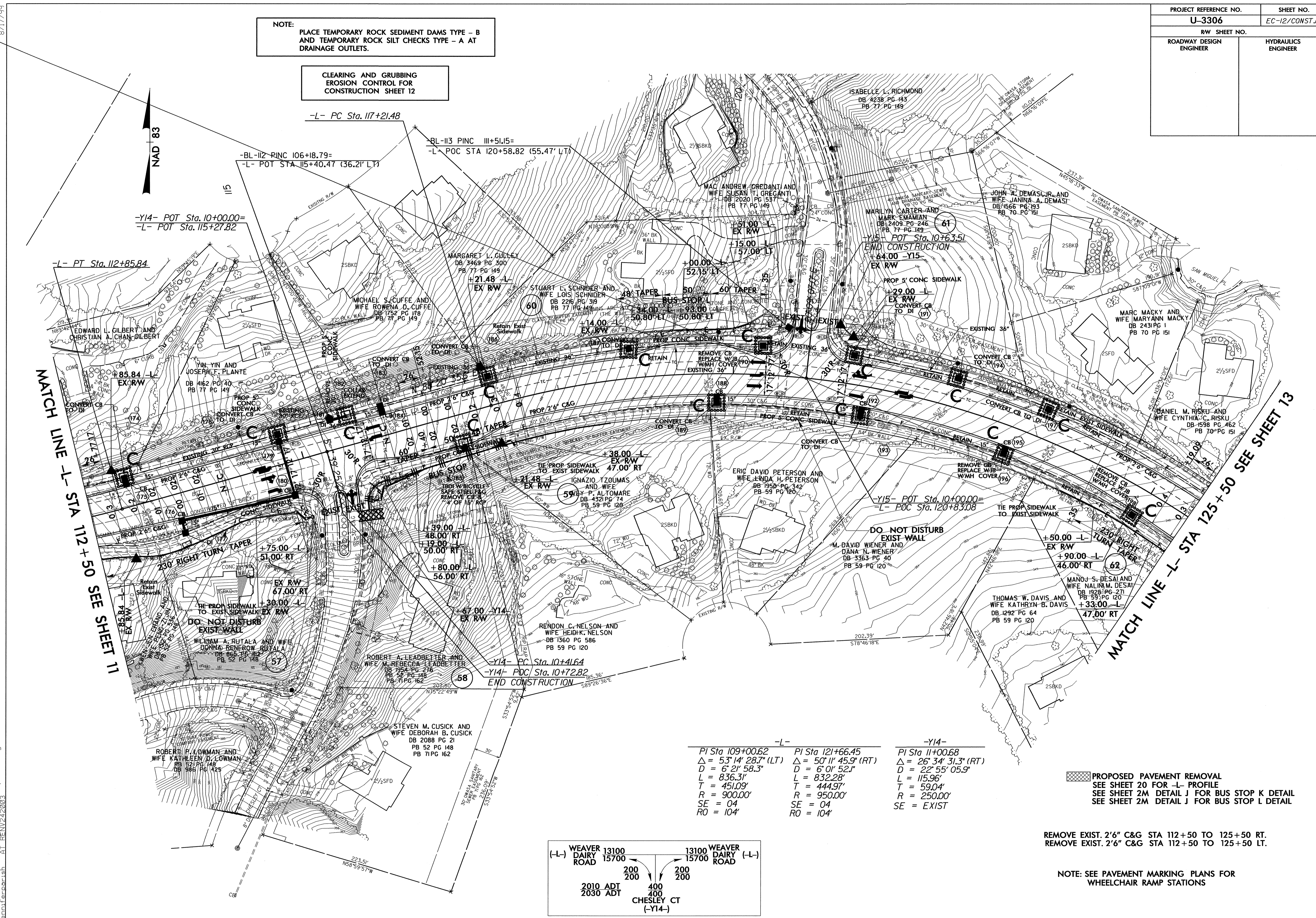
REVISIONS

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 jennifereparish

PROJECT REFERENCE NO.	SHEET NO.
U-3306	EC-12/CONST.12
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 12

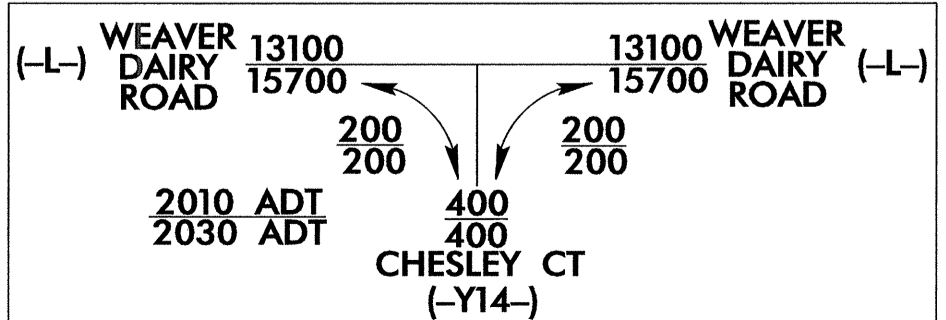


-L-	-Y14-	-Y14-
PI Sta 109+00.62	PI Sta 121+66.45	PI Sta 11+00.68
Δ = 53' 14" 28.7" (LT)	Δ = 50' 11" 45.9" (RT)	Δ = 26' 34" 31.3" (RT)
D = 6' 21" 58.3"	D = 6' 01" 52.1"	D = 22' 55" 05.9"
L = 836.31'	L = 832.28'	L = 115.96'
T = 451.09'	T = 444.97'	T = 59.04'
R = 900.00'	R = 950.00'	R = 250.00'
SE = 04	SE = 04	SE = EXIST
RO = 104'	RO = 104'	

PROPOSED PAVEMENT REMOVAL
SEE SHEET 20 FOR -L- PROFILE
SEE SHEET 2M DETAIL J FOR BUS STOP K DETAIL
SEE SHEET 2M DETAIL J FOR BUS STOP L DETAIL

REMOVE EXIST. 2'6" C&G STA 112+50 TO 125+50 RT.
REMOVE EXIST. 2'6" C&G STA 112+50 TO 125+50 LT.

NOTE: SEE PAVEMENT MARKING PLANS FOR WHEELCHAIR RAMP STATIONS

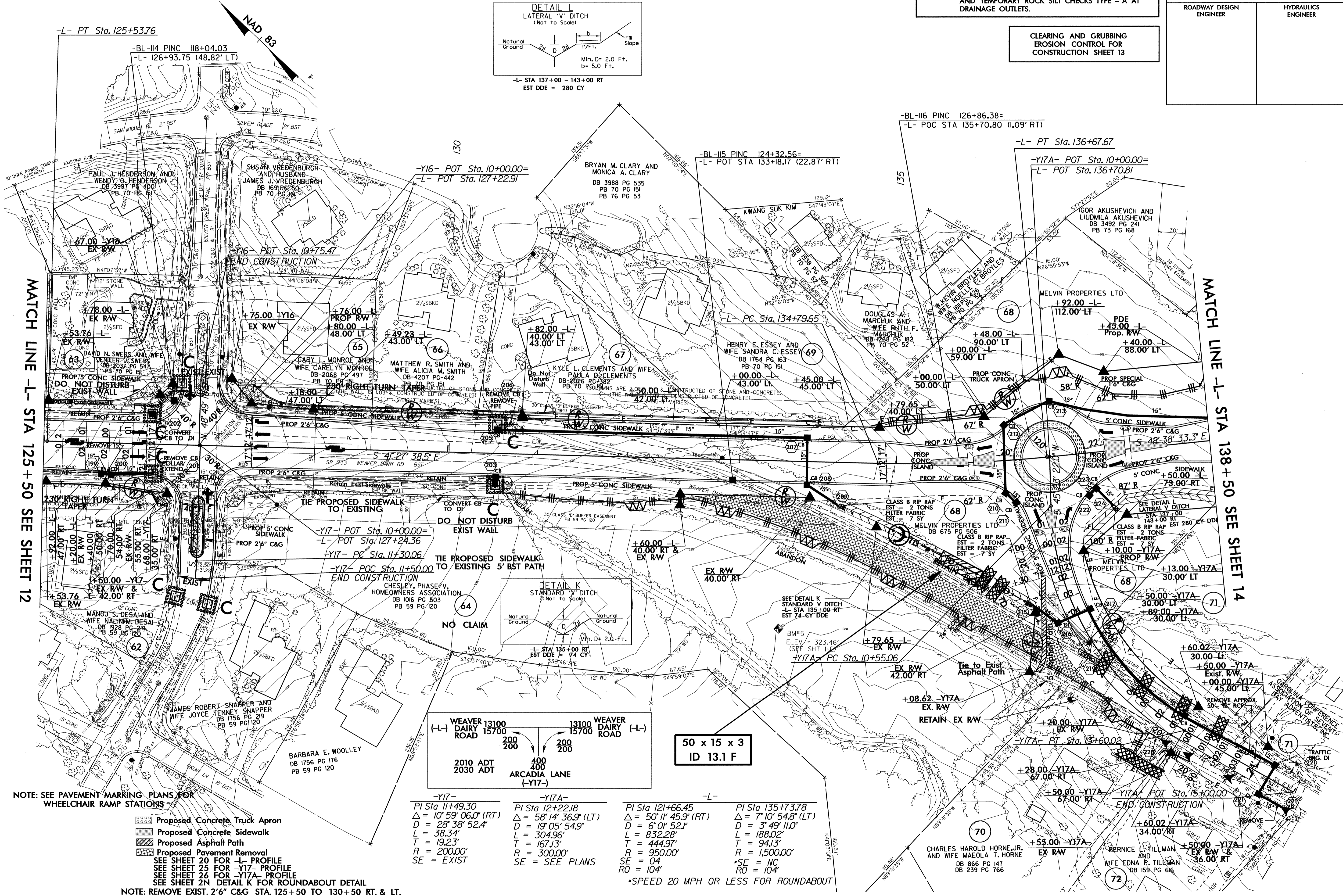
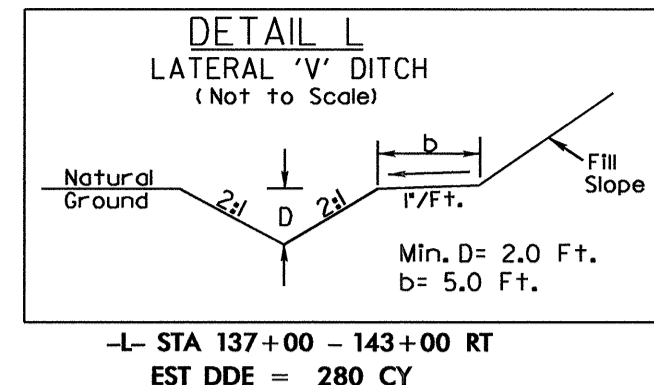


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PROJECT REFERENCE NO.	SHEET NO.
U-3306	EC-13/CONST.13
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

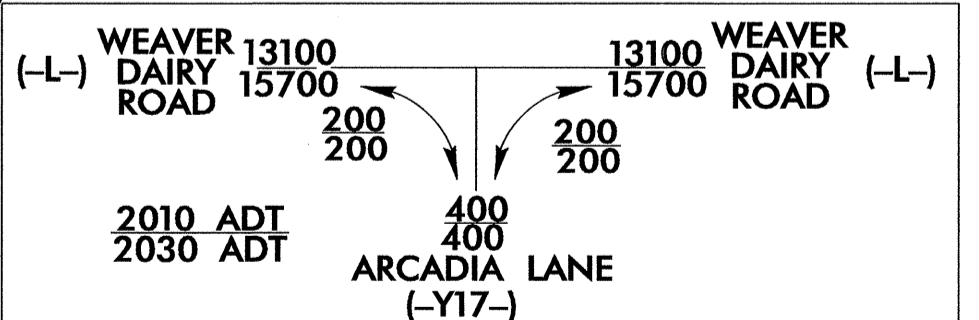
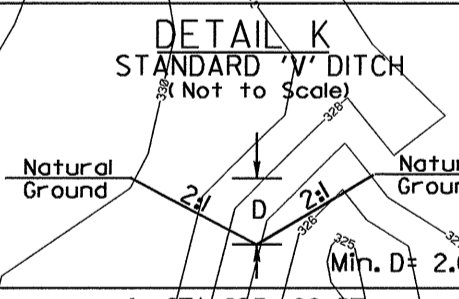
NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 13



MATCH LINE -L- STA 125 + 50 SEE SHEET 12

MATCH LINE -L- STA 138 + 50 SEE SHEET 14



-Y17- PI Sta 11+49.30 Δ = 10' 59" 06.0" (RT) D = 28' 38" 52.4" L = 38.34' T = 19.23' R = 200.00' SE = EXIST	-Y17A- PI Sta 12+22.18 Δ = 58' 14" 36.9" (LT) D = 19' 05" 54.9" L = 304.96' T = 167.13' R = 300.00' SE = SEE PLANS	-L- PI Sta 121+66.45 Δ = 50' 11" 45.9" (RT) D = 6' 01" 52.1" L = 832.28' T = 444.97' R = 950.00' SE = 04 RO = 104'	-L- PI Sta 135+73.78 Δ = 7' 10" 54.8" (LT) D = 3' 49" 11.0" L = 188.02' T = 94.13' R = 1,500.00' *SE = NC RO = 104'
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*SPEED 20 MPH OR LESS FOR ROUNDABOUT

NOTE: SEE PAVEMENT MARKING PLANS FOR WHEELCHAIR RAMP STATIONS

- Proposed Concrete Truck Apron
- Proposed Concrete Sidewalk
- Proposed Asphalt Path
- Proposed Pavement Removal

SEE SHEET 20 FOR -L- PROFILE
SEE SHEET 25 FOR -Y17- PROFILE
SEE SHEET 26 FOR -Y17A- PROFILE
SEE SHEET 2N DETAIL K FOR ROUNDABOUT DETAIL

NOTE: REMOVE EXIST. 2'6" C&G STA. 125+50 TO 130+50 RT. & LT.

PROJECT REFERENCE NO.	
U-3306	EC-14/CONST.14
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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

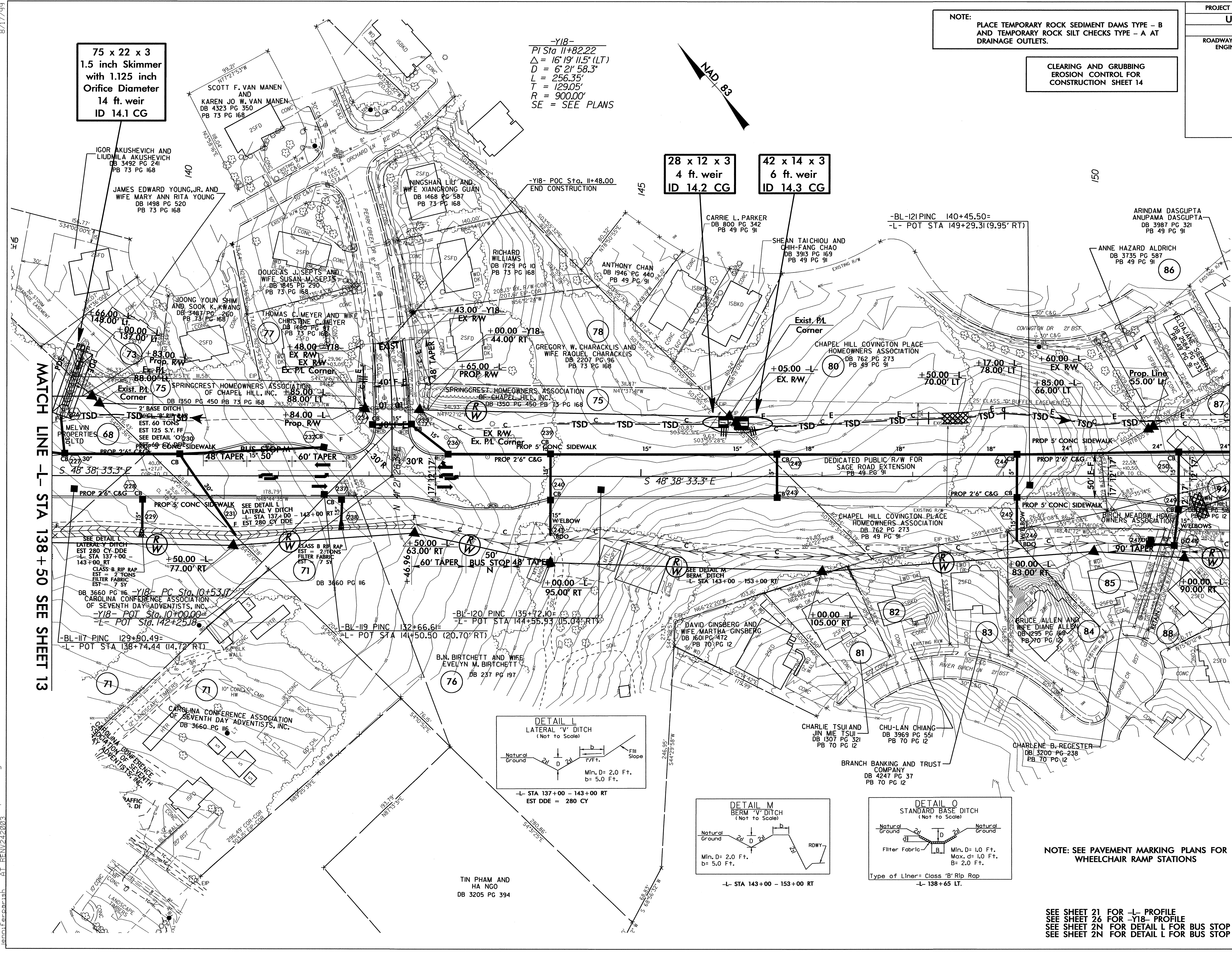
CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 14

-Y18-
 PI Sta 11+82.22
 $\Delta = 16' 19" 11.5" (LT)$
 $D = 6' 21" 58.3"$
 $L = 256.35'$
 $T = 129.05'$
 $R = 900.00'$
 SE = SEE PLANS

28 x 12 x 3
 4 ft. weir
 ID 14.2 CG

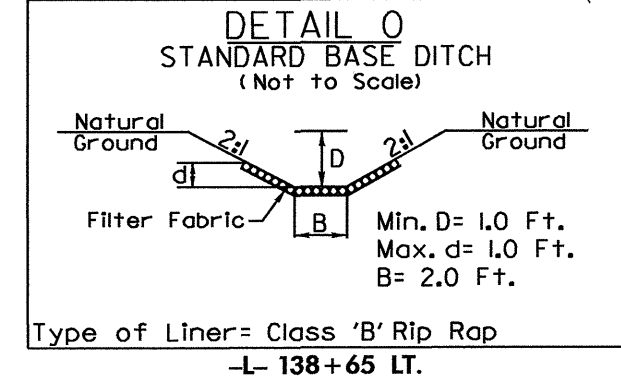
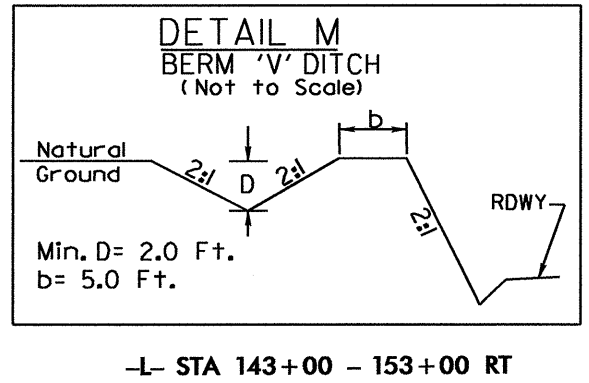
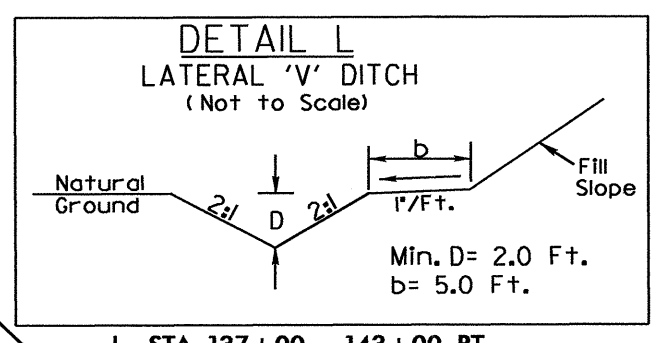
42 x 14 x 3
 6 ft. weir
 ID 14.3 CG

75 x 22 x 3
 1.5 inch Skimmer
 with 1.125 inch
 Orifice Diameter
 14 ft. weir
 ID 14.1 CG



MATCH LINE -L- STA 138 + 50 SEE SHEET 13

MATCH LINE -L- STA 151 + 50 SEE SHEET 15



NOTE: SEE PAVEMENT MARKING PLANS FOR WHEELCHAIR RAMP STATIONS

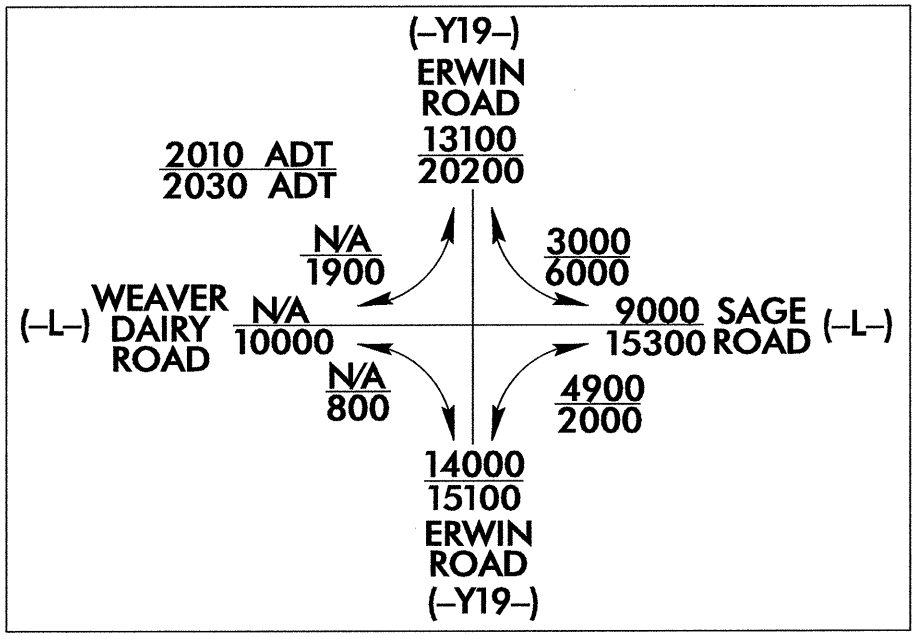
SEE SHEET 21 FOR -L- PROFILE
 SEE SHEET 26 FOR -Y18- PROFILE
 SEE SHEET 2N FOR DETAIL L FOR BUS STOP M DETAIL
 SEE SHEET 2N FOR DETAIL L FOR BUS STOP N DETAIL

PROJECT REFERENCE NO.		SHEET NO.	
U-3306		EC-15/CONST.15	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

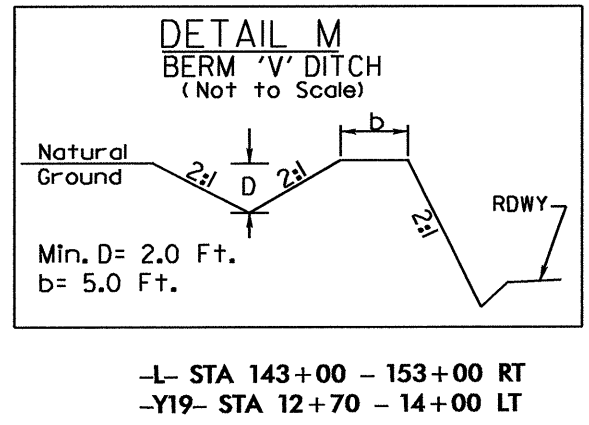
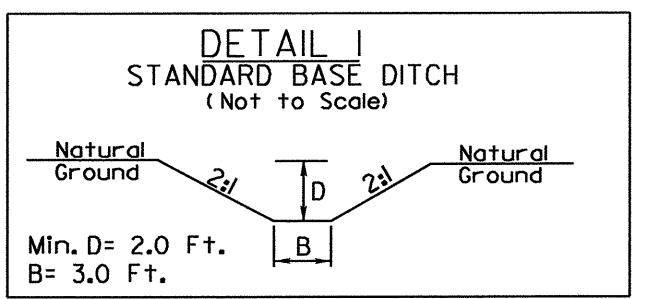
NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 15

-L-	-Y19-	
PI Sta 156+20.58	PI Sta 16+95.25	PI Sta 20+79.37
$\Delta = 32^{\circ}06'38.1''$ (RT)	$\Delta = 18^{\circ}16'15.9''$ (LT)	$\Delta = 1^{\circ}56'27.0''$ (RT)
D = 8'11"06.4"	D = 6'01"52.1"	D = 1'08"45.3"
L = 392.30'	L = 302.95'	L = 169.37'
T = 201.45'	T = 152.77'	T = 84.69'
R = 700.00'	R = 950.00'	R = 5,000.00'
SE = EXIST	SE = 04	R = 5,000.00'
	RO = 100'	SE = EXIST



70 x 18 x 3
1.5 inch Skimmer
with 1.0 inch
Orifice Diameter
10 ft. weir
ID 15.1 CG



BEGIN MILL & RESURFACE -L- w/C1 FROM
154+60 +/- TO 160+52.00 +/-

END TIP PROJECT U-3306
-L- POT Sta. 160+52.00 +/-

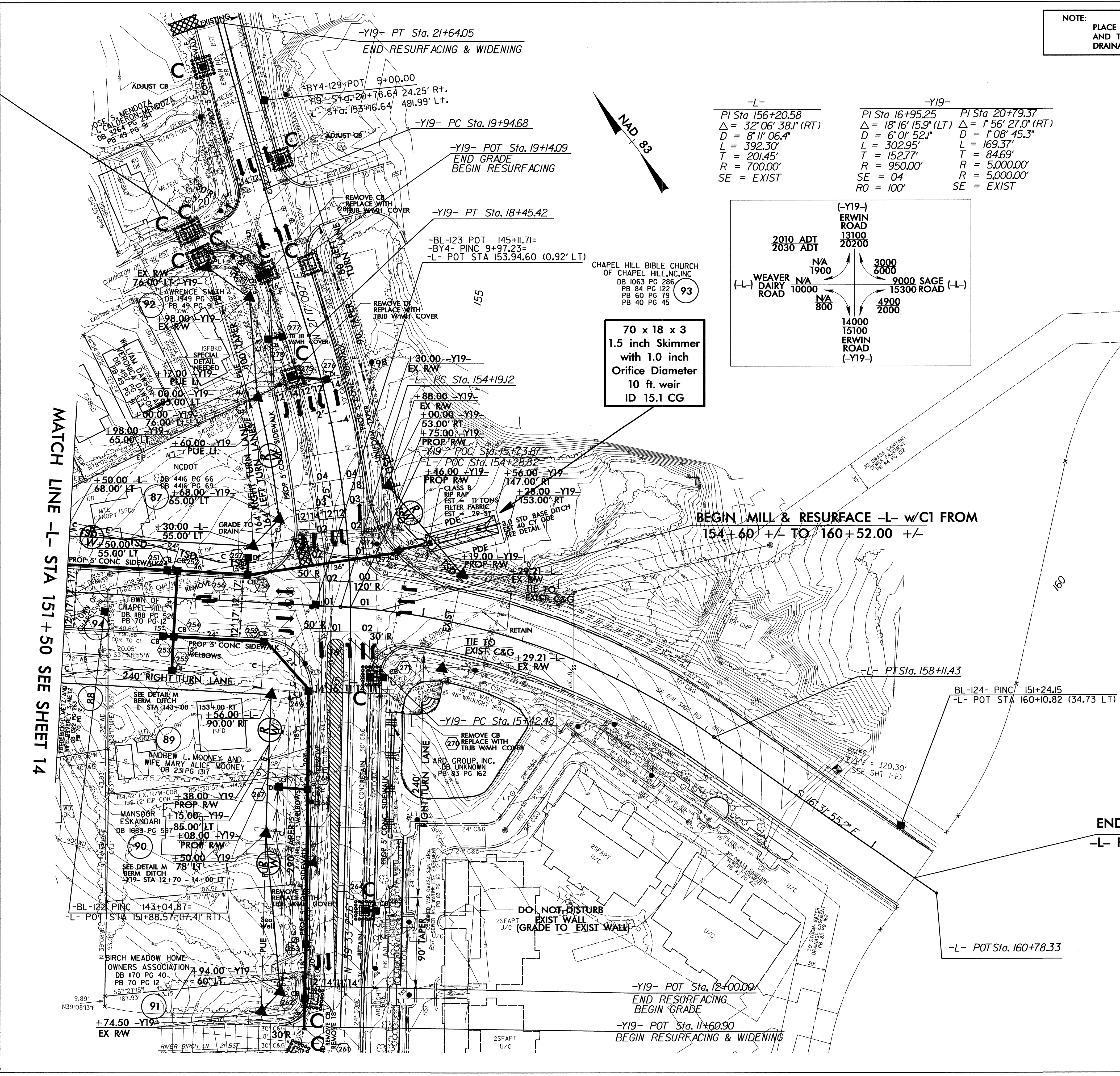
NOTE: SEE PAVEMENT MARKING PLANS FOR WHEELCHAIR RAMP STATIONS

PROPOSED PAINT STRIPING
SEE SHEET 21 FOR -L- PROFILE
SEE SHEET 26 FOR -Y19- PROFILE
SEE SHEET 20 FOR -Y19- INTERSECTION DETAIL

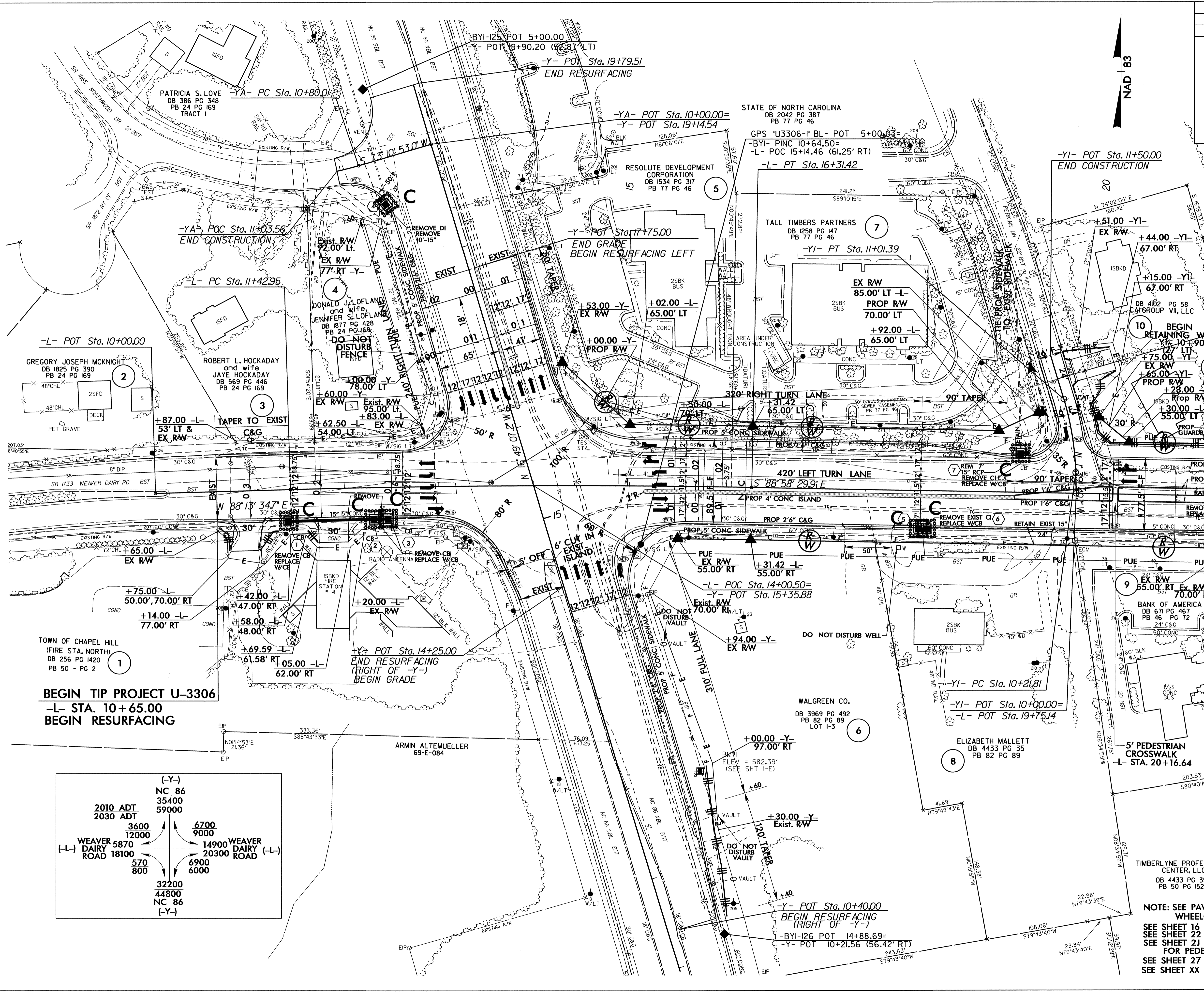
MATCH LINE -L- STA 151+50 SEE SHEET 14

8/17/99

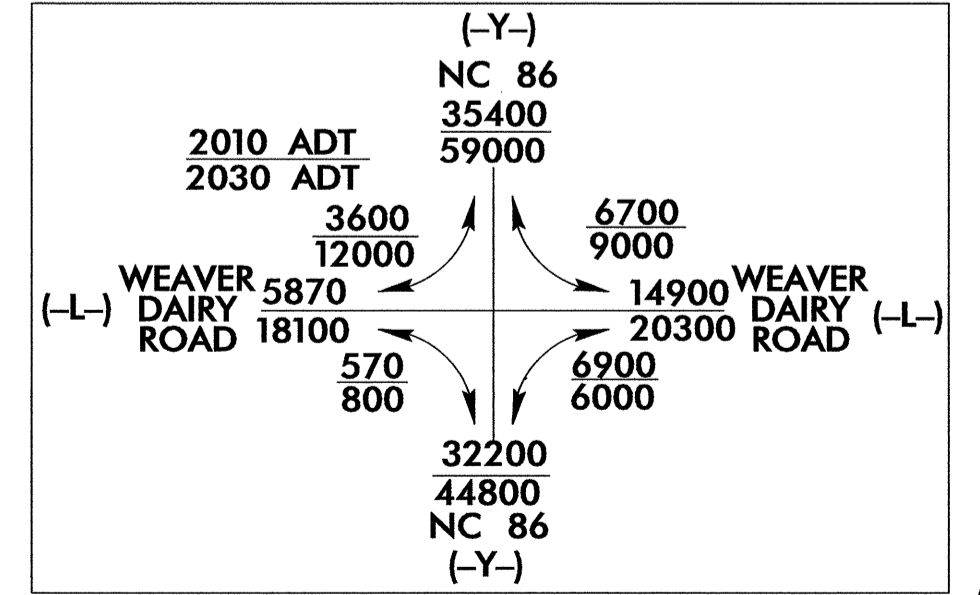
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jenniferc@ncdot.gov



PROJECT REFERENCE NO.		SHEET NO.	
U-3306		EC-16/CONST.4	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	



BEGIN TIP PROJECT U-3306
-L- STA. 10+65.00
BEGIN RESURFACING



NOTE: SEE PAVEMENT MARKING PLANS FOR WHEELCHAIR RAMP STATIONS
 SEE SHEET 16 FOR -L- PROFILE
 SEE SHEET 22 FOR -Y- & -YI- PROFILE
 SEE SHEET 21 DETAIL A FOR PEDESTRIAN CROSSWALK DETAIL
 SEE SHEET 27 FOR WALL ENVELOPE
 SEE SHEET XX FOR RETAINING WALL PLANS

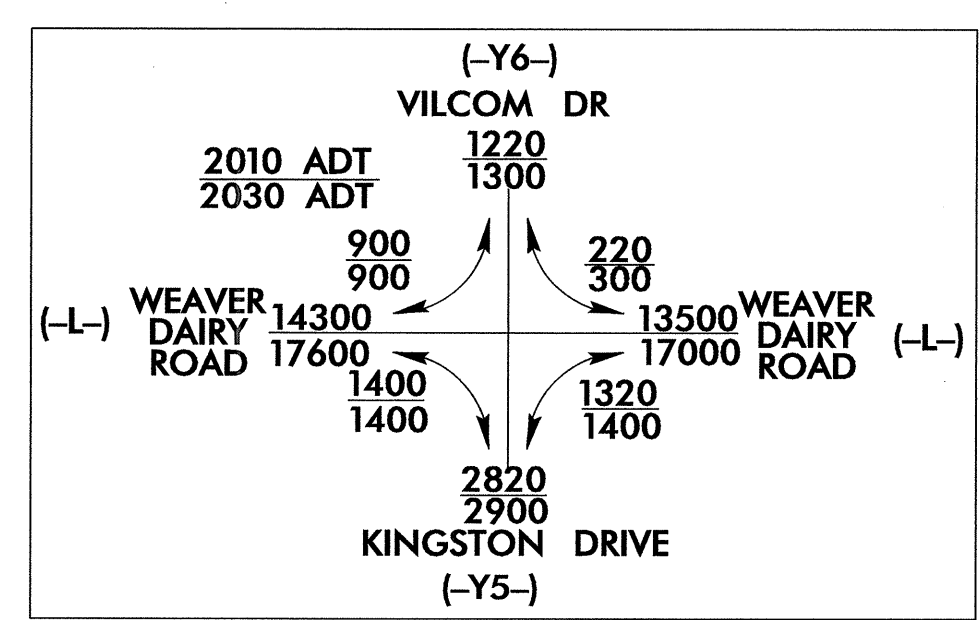
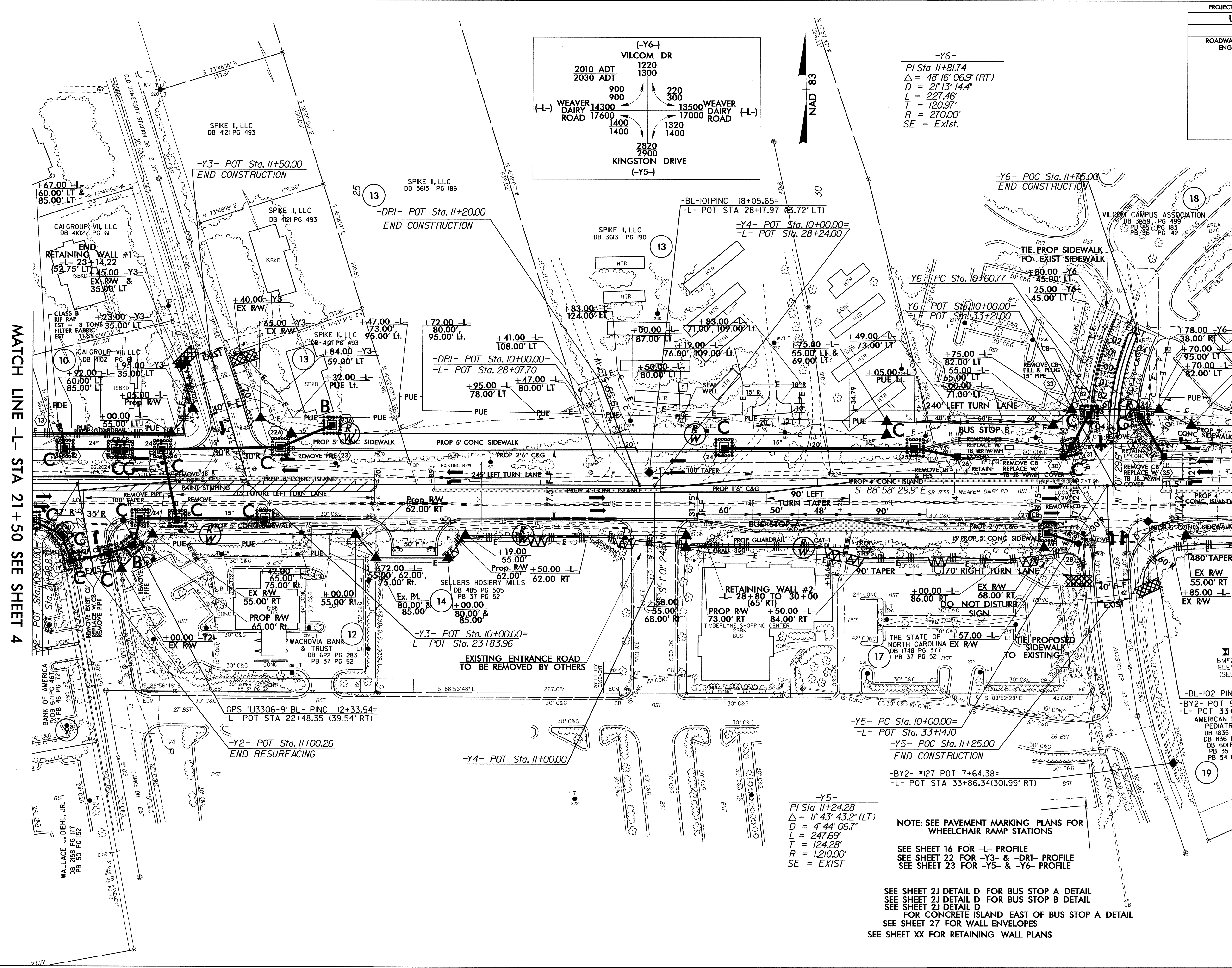
MATCH LINE -L- STA 21+50 SEE SHEET 5

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PROJECT REFERENCE NO.	SHEET NO.
U-3306	EC-17/CONST.5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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-Y6-
PI Sta 11+81.74
 $\Delta = 48' 16" 06.9" (RT)$
 $D = 2' 13" 14.4"$
 $L = 227.46'$
 $T = 120.97'$
 $R = 270.00'$
SE = Exist.

-Y5-
PI Sta 11+24.28
 $\Delta = 1' 43' 43.2" (LT)$
 $D = 4' 44" 06.7"$
 $L = 247.69'$
 $T = 124.28'$
 $R = 1210.00'$
SE = EXIST

NOTE: SEE PAVEMENT MARKING PLANS FOR WHEELCHAIR RAMP STATIONS

SEE SHEET 16 FOR -L- PROFILE
SEE SHEET 22 FOR -Y3- & -DRI- PROFILE
SEE SHEET 23 FOR -Y5- & -Y6- PROFILE

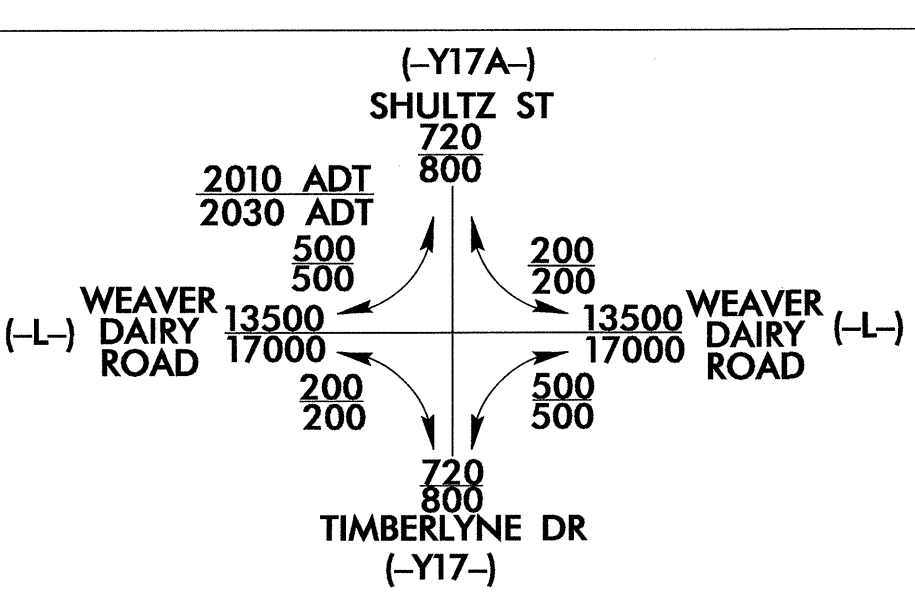
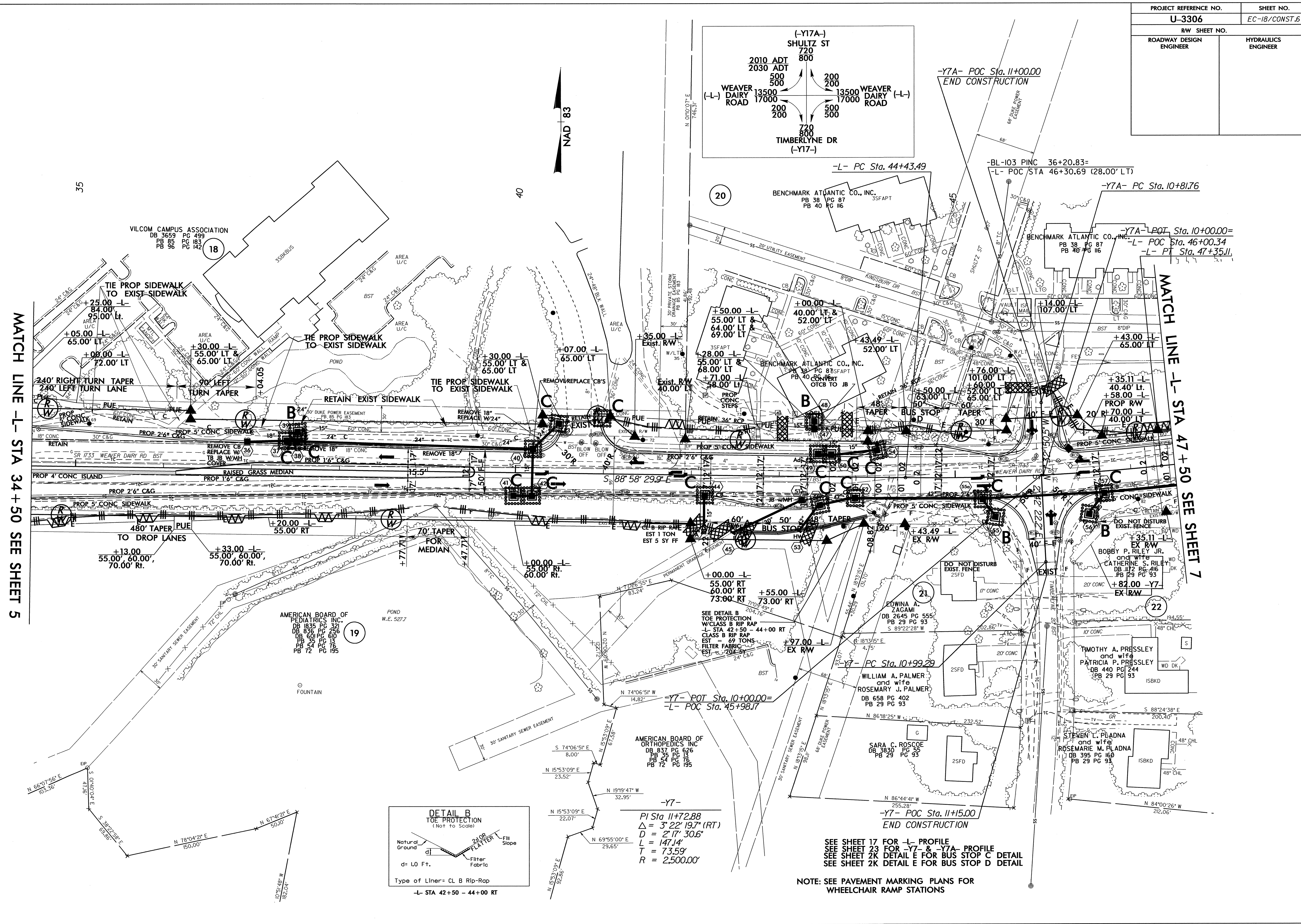
SEE SHEET 2J DETAIL D FOR BUS STOP A DETAIL
SEE SHEET 2J DETAIL D FOR BUS STOP B DETAIL
SEE SHEET 2J DETAIL D FOR CONCRETE ISLAND EAST OF BUS STOP A DETAIL
SEE SHEET 27 FOR WALL ENVELOPES
SEE SHEET XX FOR RETAINING WALL PLANS

MATCH LINE -L- STA 21+50 SEE SHEET 4

MATCH LINE -L- STA 34+50 SEE SHEET 6

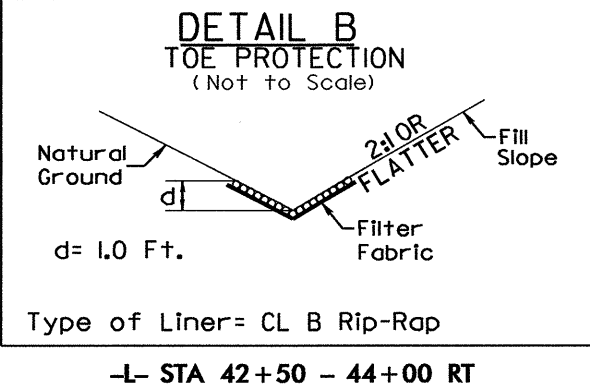
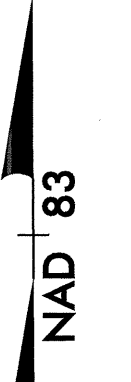
PROJECT REFERENCE NO.	SHEET NO.
U-3306	EC-18/CONST.6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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MATCH LINE -L- STA 34 + 50 SEE SHEET 5

MATCH LINE -L- STA 47 + 50 SEE SHEET 7



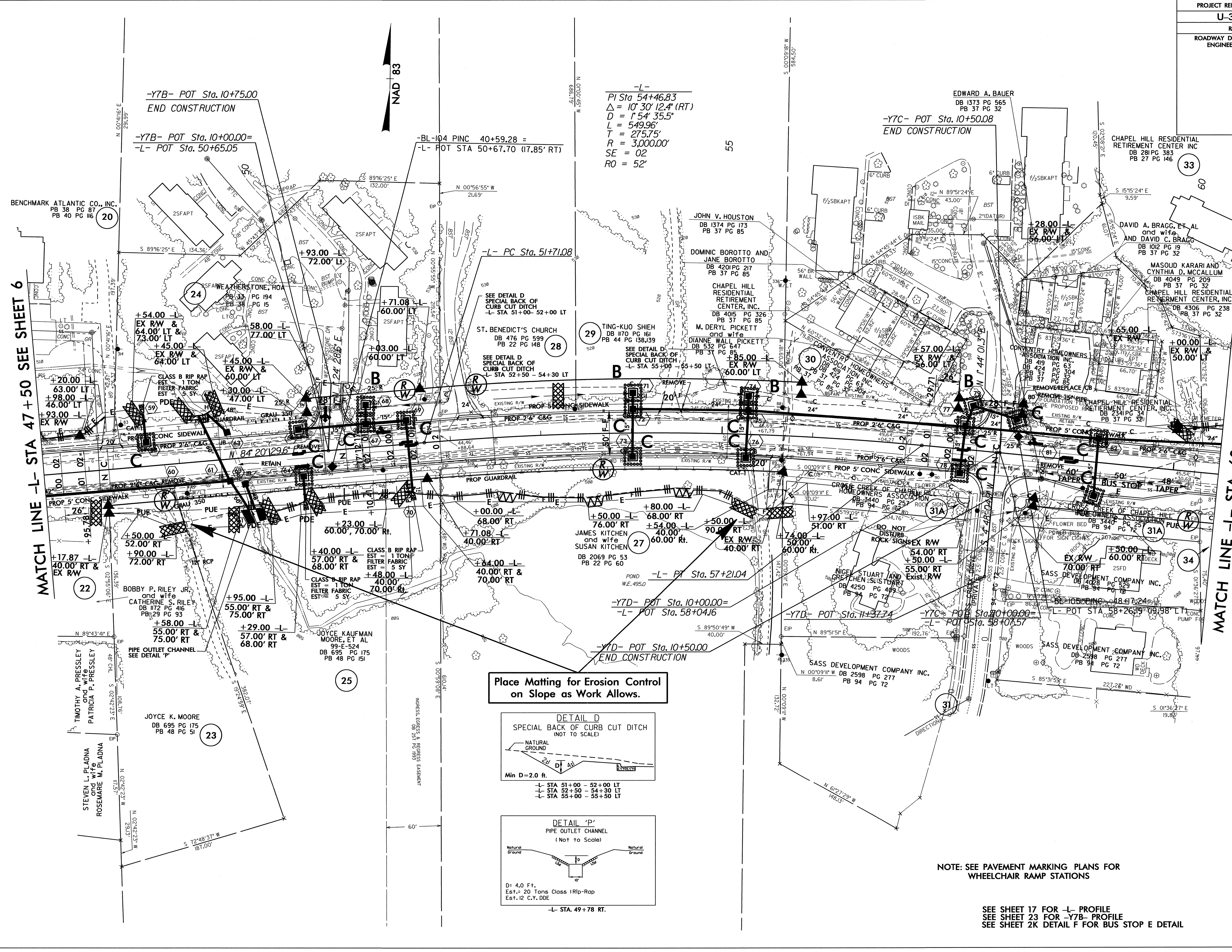
-Y7-
PI Sta 11+72.88
Δ = 3' 22" 19.7' (RT)
D = 2' 17" 30.6"
L = 147.14'
T = 73.59'
R = 2,500.00'

SEE SHEET 17 FOR -L- PROFILE
SEE SHEET 23 FOR -Y7- & -Y7A- PROFILE
SEE SHEET 2K DETAIL E FOR BUS STOP C DETAIL
SEE SHEET 2K DETAIL E FOR BUS STOP D DETAIL

NOTE: SEE PAVEMENT MARKING PLANS FOR WHEELCHAIR RAMP STATIONS

PROJECT REFERENCE NO.	SHEET NO.
U-3306	EC-19/CONST.7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99



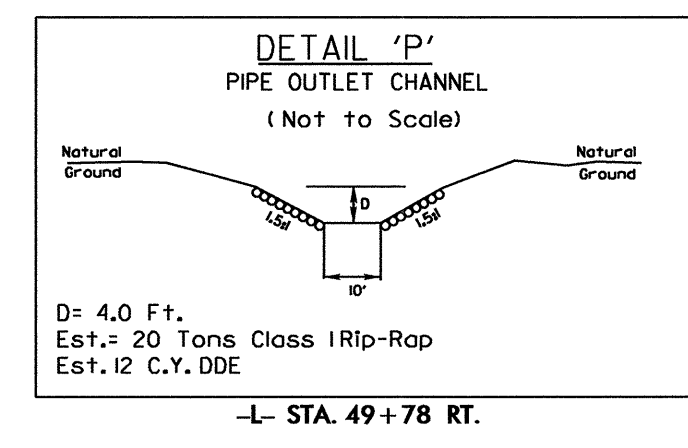
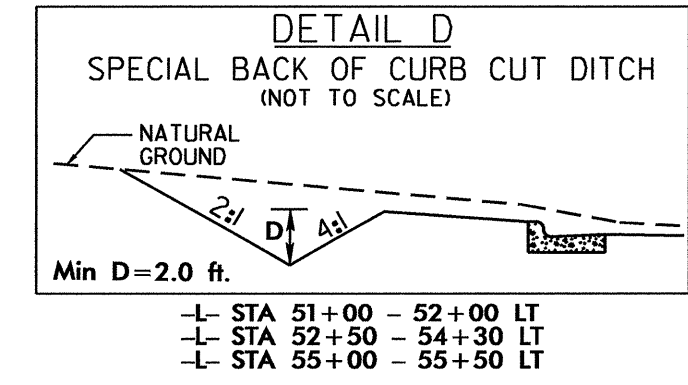
MATCH LINE -L- STA 47 + 50 SEE SHEET 6

MATCH LINE -L- STA 60 + 50 SEE SHEET 8

NAD 83

-L-
 PI Sta 54+46.83
 $\Delta = 10^{\circ} 30' 12.4'' (RT)$
 $D = 1^{\circ} 54' 35.5''$
 $L = 549.96'$
 $R = 275.75'$
 $SE = 02$
 $RO = 52'$

Place Matting for Erosion Control on Slope as Work Allows.



NOTE: SEE PAVEMENT MARKING PLANS FOR WHEELCHAIR RAMP STATIONS

SEE SHEET 17 FOR -L- PROFILE
 SEE SHEET 23 FOR -Y7B- PROFILE
 SEE SHEET 2K DETAIL F FOR BUS STOP E DETAIL

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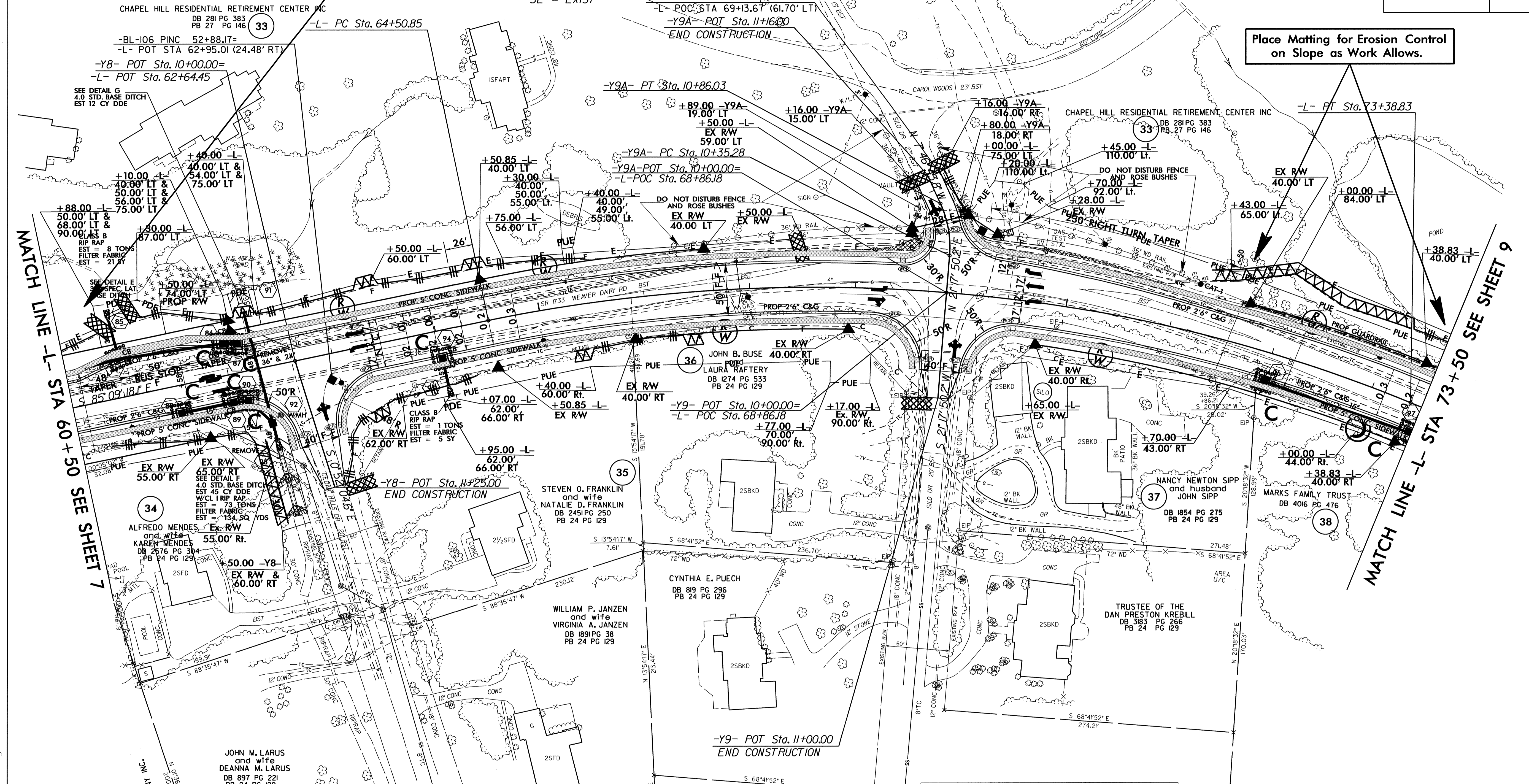
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U-3306	EC-20/CONST.B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Matting for Erosion Control on Slope as Work Allows.

Place Matting for Erosion Control on Slope as Work Allows.

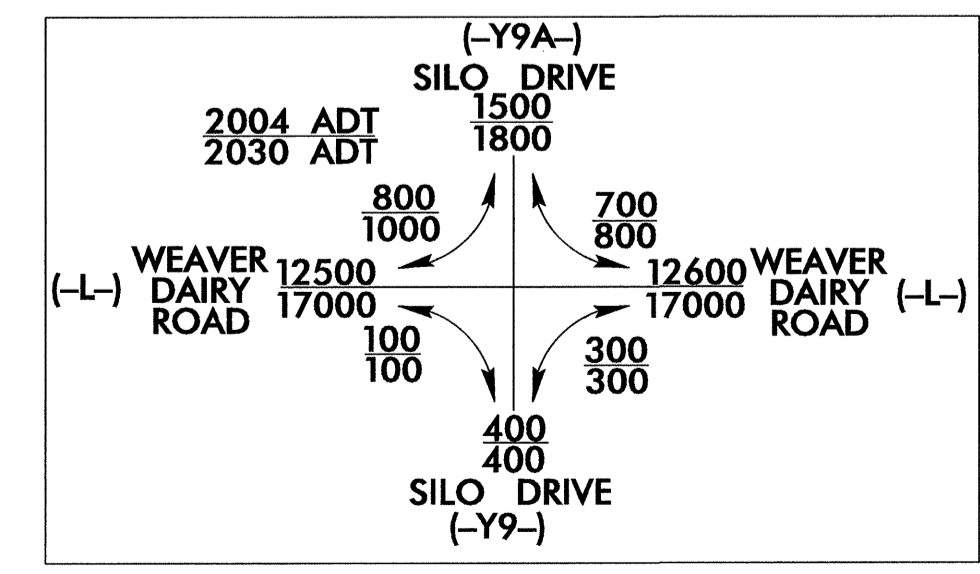
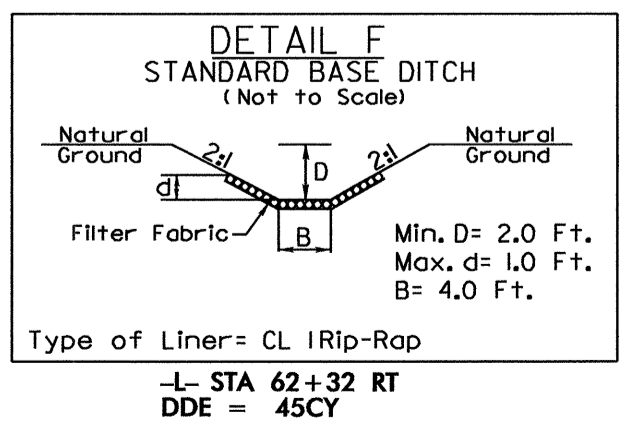
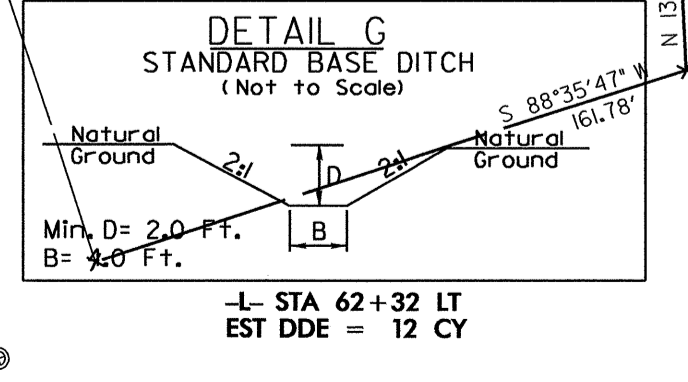
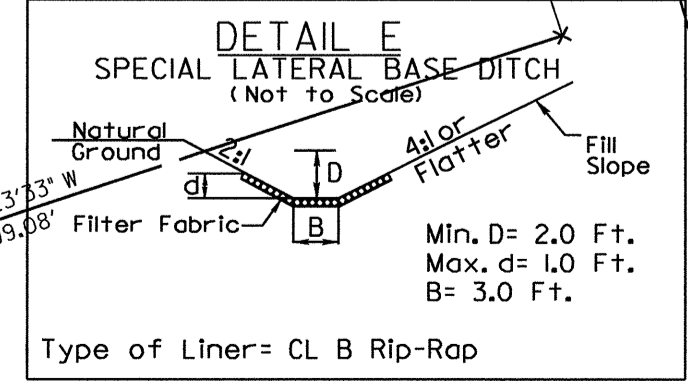
-Y9A-
PI Sta 10+61.21
 $\Delta = 29^{\circ}04'34.0''$ (LT)
 $D = 57^{\circ}17'44.8''$
 $L = 50.75'$
 $T = 25.93'$
 $R = 100.00'$
 $SE = EXIST$

-L-
PI Sta 69+08.28
 $\Delta = 33^{\circ}55'05.8''$ (RT)
 $D = 3^{\circ}49'11.0''$
 $L = 887.98'$
 $T = 457.43'$
 $R = 1,500.00'$
 $SE = 03$
 $RO = 78'$



MATCH LINE -L- STA 60+50 SEE SHEET 7

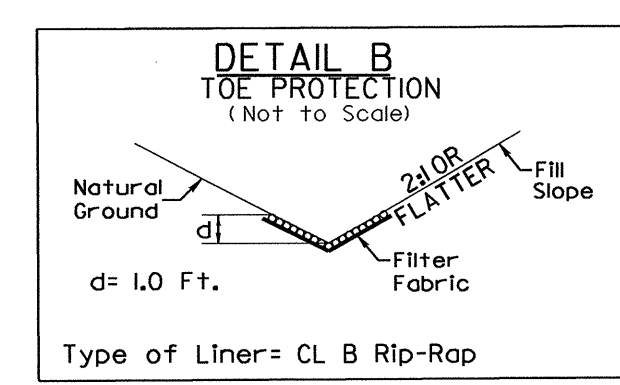
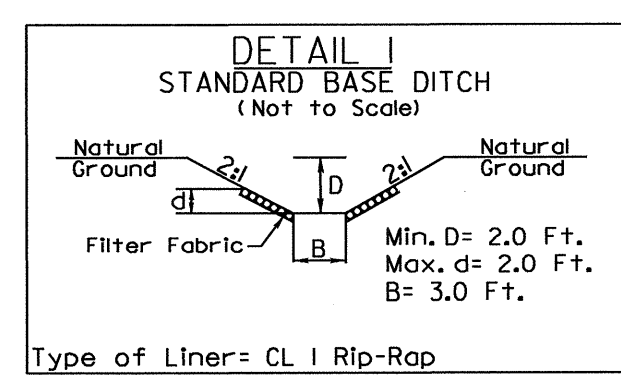
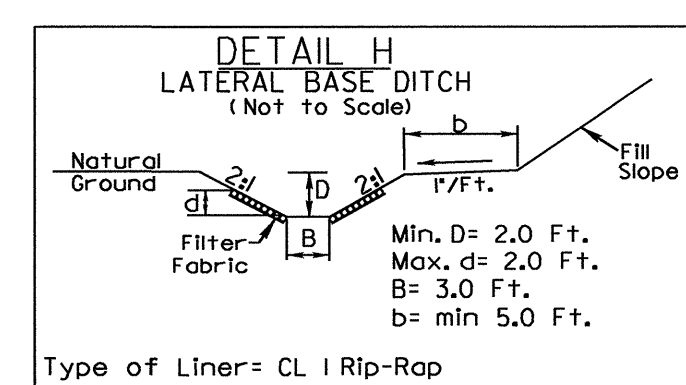
MATCH LINE -L- STA 73+50 SEE SHEET 9



NOTE: SEE PAVEMENT MARKING PLANS FOR WHEELCHAIR RAMP STATIONS

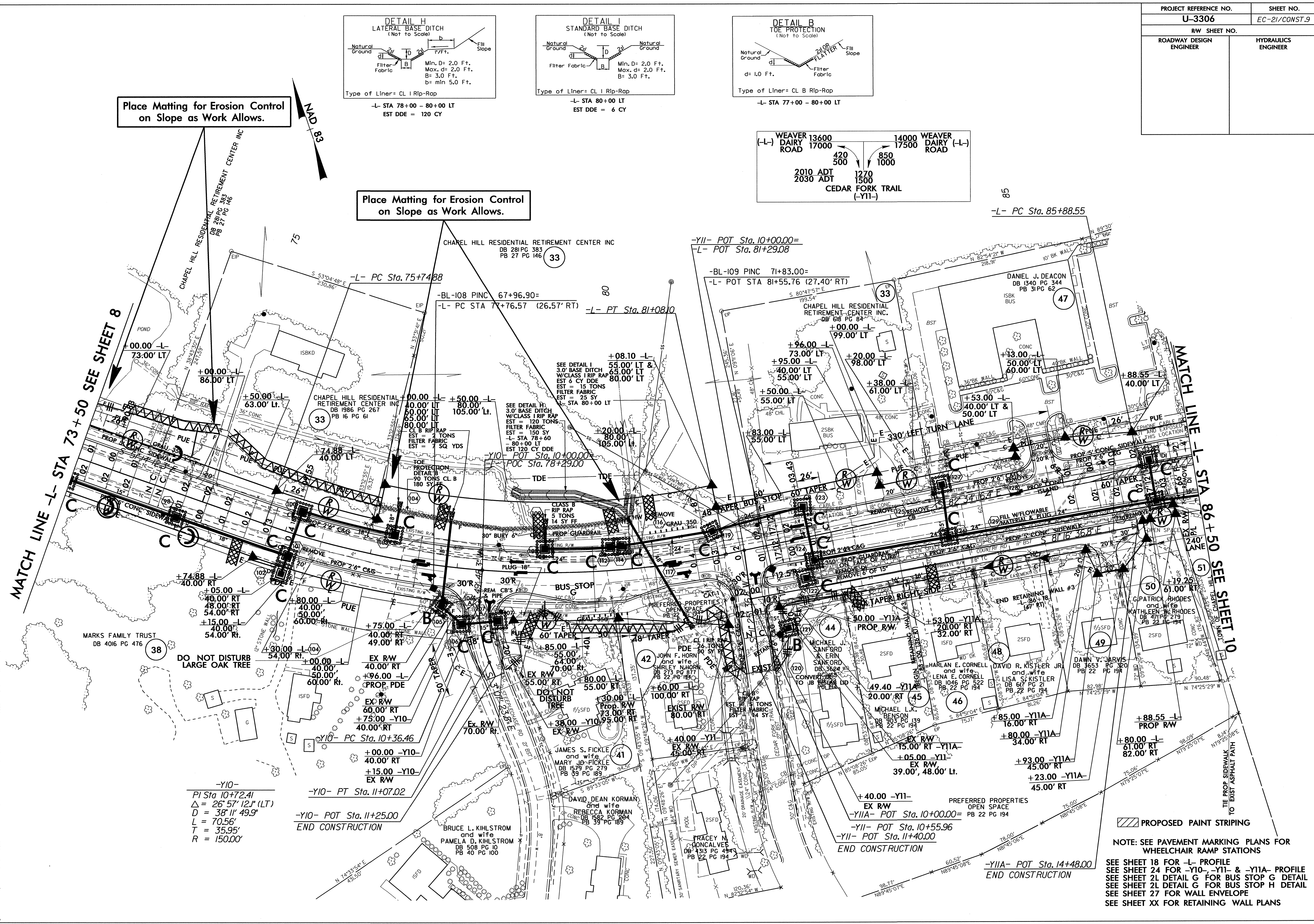
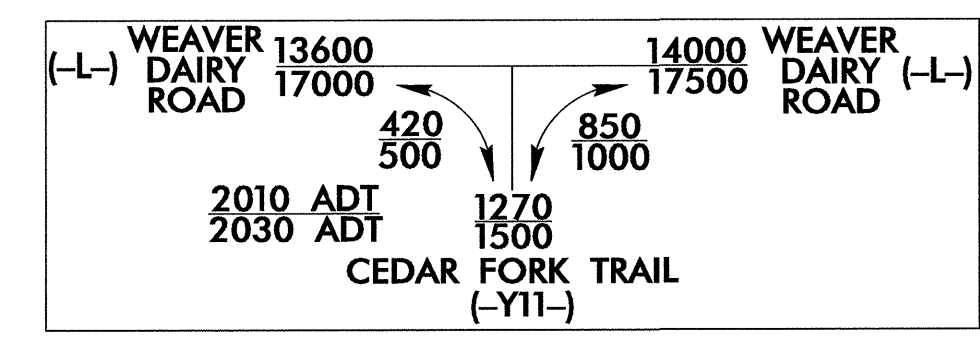
PROPOSED PAVEMENT REMOVAL
SEE SHEET 18 FOR -L- PROFILE
SEE SHEET 24 FOR -Y8-, -Y9- & -Y9A- PROFILE
SEE SHEET 2K DETAIL F FOR BUS STOP F DETAIL

PROJECT REFERENCE NO.		SHEET NO.	
U-3306		EC-21/CONST.9	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	



Place Matting for Erosion Control on Slope as Work Allows.

Place Matting for Erosion Control on Slope as Work Allows.



MATCH LINE -L- STA 73+50 SEE SHEET 8

MATCH LINE -L- STA 86+50 SEE SHEET 10

-Y10-
PI Sta 10+72.41
Δ = 26° 57' 12.1" (LT)
D = 38' 11" 49.9"
L = 70.56'
T = 35.95'
R = 150.00'

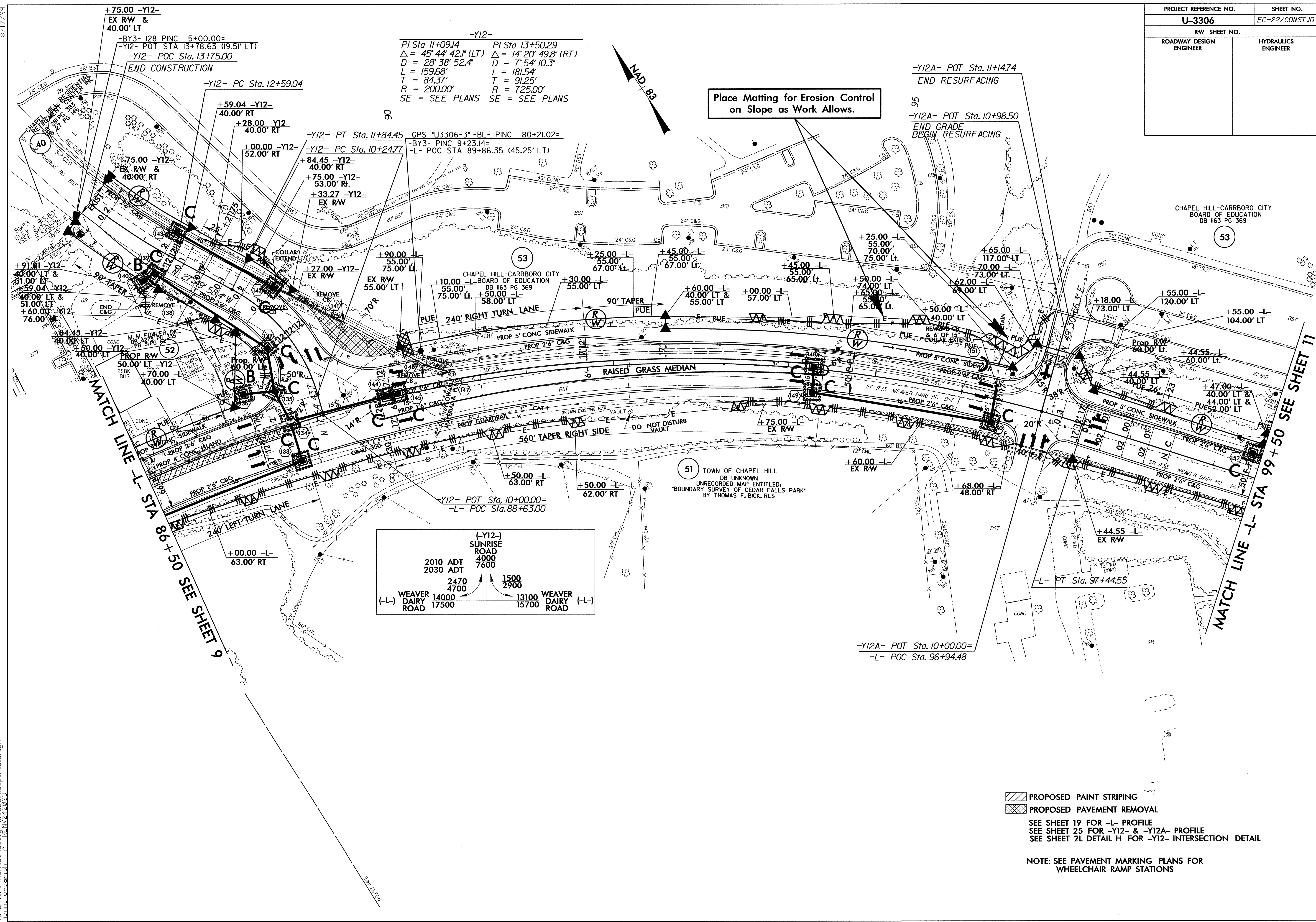
-Y10- POT Sta. 11+25.00
END CONSTRUCTION

-Y11- POT Sta. 10+55.96
-Y11- POT Sta. 11+40.00
END CONSTRUCTION

-Y11A- POT Sta. 14+48.00
END CONSTRUCTION

NOTE: SEE PAVEMENT MARKING PLANS FOR WHEELCHAIR RAMP STATIONS
SEE SHEET 18 FOR -L- PROFILE
SEE SHEET 24 FOR -Y10-, -Y11- & -Y11A- PROFILE
SEE SHEET 21 DETAIL G FOR BUS STOP G DETAIL
SEE SHEET 21 DETAIL G FOR BUS STOP H DETAIL
SEE SHEET 27 FOR WALL ENVELOPE
SEE SHEET XX FOR RETAINING WALL PLANS

PROJECT REFERENCE NO.	SHEET NO.
U-3306	EC-22/CONST.10
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



(-Y12-) SUNRISE ROAD			
2010 ADT	4000	7600	
2030 ADT	1500	2900	
WEAVER DAIRY ROAD			
(-L-) 14000	17500	13100	(-L-) 15700

PROPOSED PAINT STRIPING
 PROPOSED PAVEMENT REMOVAL
 SEE SHEET 19 FOR -L- PROFILE
 SEE SHEET 25 FOR -Y12- & -Y12A- PROFILE
 SEE SHEET 21 DETAIL H FOR -Y12- INTERSECTION DETAIL
 NOTE: SEE PAVEMENT MARKING PLANS FOR WHEELCHAIR RAMP STATIONS

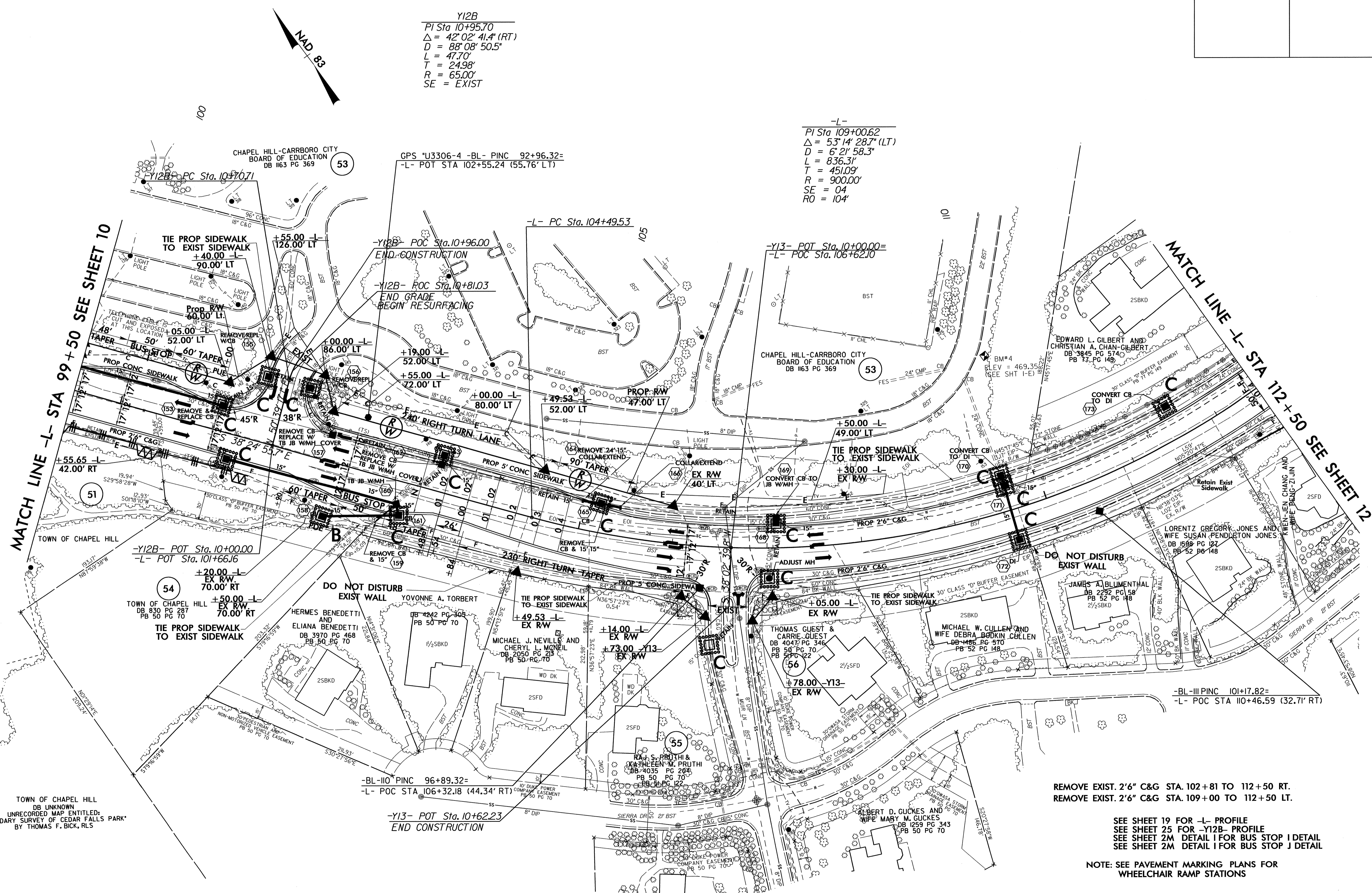
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PROJECT REFERENCE NO.	SHEET NO.
U-3306	EC-23/CONST.II
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99

Y12B
 PI Sta 10+95.70
 $\Delta = 42^{\circ}02'41.4"$ (RT)
 $D = 88^{\circ}08'50.5"$
 $L = 47.70'$
 $T = 24.98'$
 $R = 65.00'$
 SE = EXIST

-L-
 PI Sta 109+00.62
 $\Delta = 53^{\circ}14'28.7"$ (LT)
 $D = 6^{\circ}21'58.3"$
 $L = 836.31'$
 $T = 451.09'$
 $R = 900.00'$
 $SE = 04'$
 $RO = 104'$



REVISIONS

TOWN OF CHAPEL HILL
 DB UNKNOWN
 UNRECORDED MAP ENTITLED:
 "BOUNDARY SURVEY OF CEDAR FALLS PARK"
 BY THOMAS F. BICK, RLS

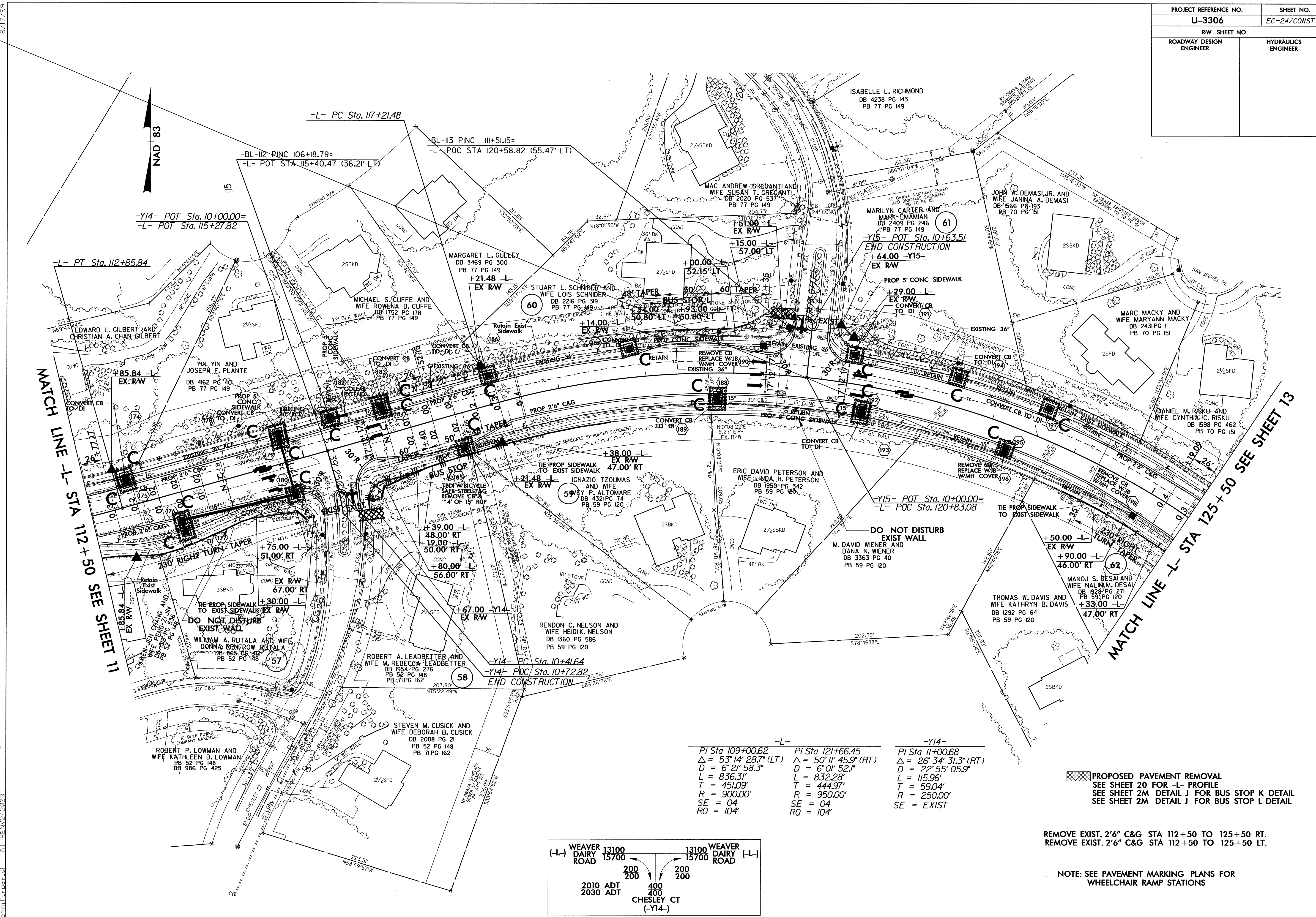
REMOVE EXIST. 2'6" C&G STA. 102+81 TO 112+50 RT.
 REMOVE EXIST. 2'6" C&G STA. 109+00 TO 112+50 LT.

SEE SHEET 19 FOR -L- PROFILE
 SEE SHEET 25 FOR -Y12B- PROFILE
 SEE SHEET 2M DETAIL I FOR BUS STOP I DETAIL
 SEE SHEET 2M DETAIL I FOR BUS STOP J DETAIL

NOTE: SEE PAVEMENT MARKING PLANS FOR
 WHEELCHAIR RAMP STATIONS

25-MAR-2010 11:20
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 jennit.lerparish

PROJECT REFERENCE NO.	SHEET NO.
U-3306	EC-24/CONST J2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCH LINE -L- STA 112+50 SEE SHEET 11

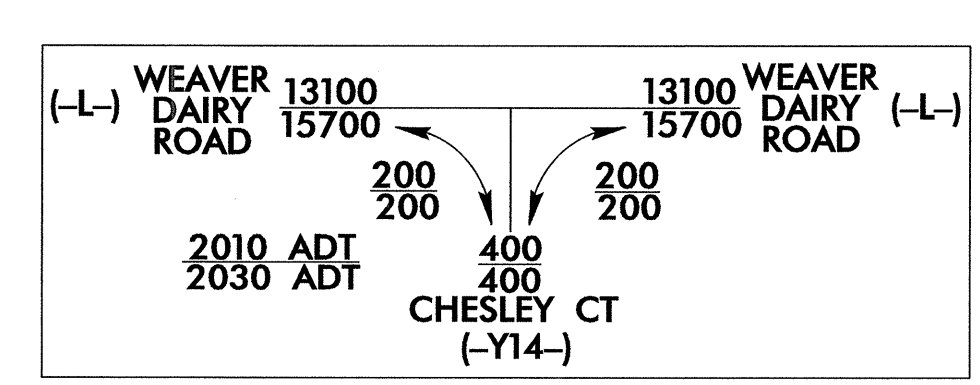
MATCH LINE -L- STA 125+50 SEE SHEET 13

-L-	-Y14-
PI Sta 109+00.62	PI Sta 121+66.45
Δ = 53' 14" 28.7" (LT)	Δ = 50' 11" 45.9" (RT)
D = 6' 21" 58.3"	D = 6' 01" 52.1"
L = 836.31'	L = 832.28'
T = 451.09'	T = 444.97'
R = 900.00'	R = 950.00'
SE = 04	SE = 04
RO = 104'	RO = 104'

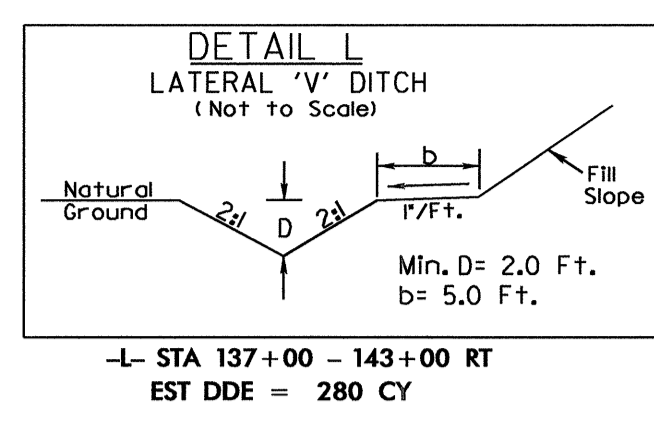
PROPOSED PAVEMENT REMOVAL
 SEE SHEET 20 FOR -L- PROFILE
 SEE SHEET 2M DETAIL J FOR BUS STOP K DETAIL
 SEE SHEET 2M DETAIL J FOR BUS STOP L DETAIL

REMOVE EXIST. 2'6" C&G STA 112+50 TO 125+50 RT.
 REMOVE EXIST. 2'6" C&G STA 112+50 TO 125+50 LT.

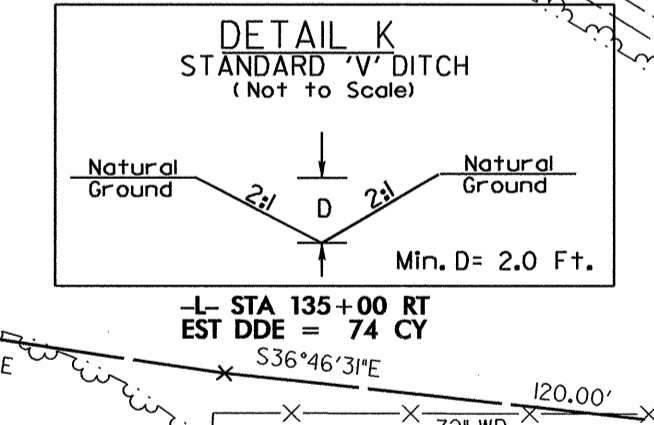
NOTE: SEE PAVEMENT MARKING PLANS FOR WHEELCHAIR RAMP STATIONS



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 Jendri.furush



-L- STA 137+00 - 143+00 RT
EST DDE = 280 CY



-L- STA 135+00 RT
EST DDE = 74 CY

8/17/99
25-MAR-2010 14:28 I:\Dwg\ec\N13306_EC.psh_s13.dgn
Jenna.Farber@sh

NOTE: SEE PAVEMENT MARKING PLANS FOR WHEELCHAIR RAMP STATIONS

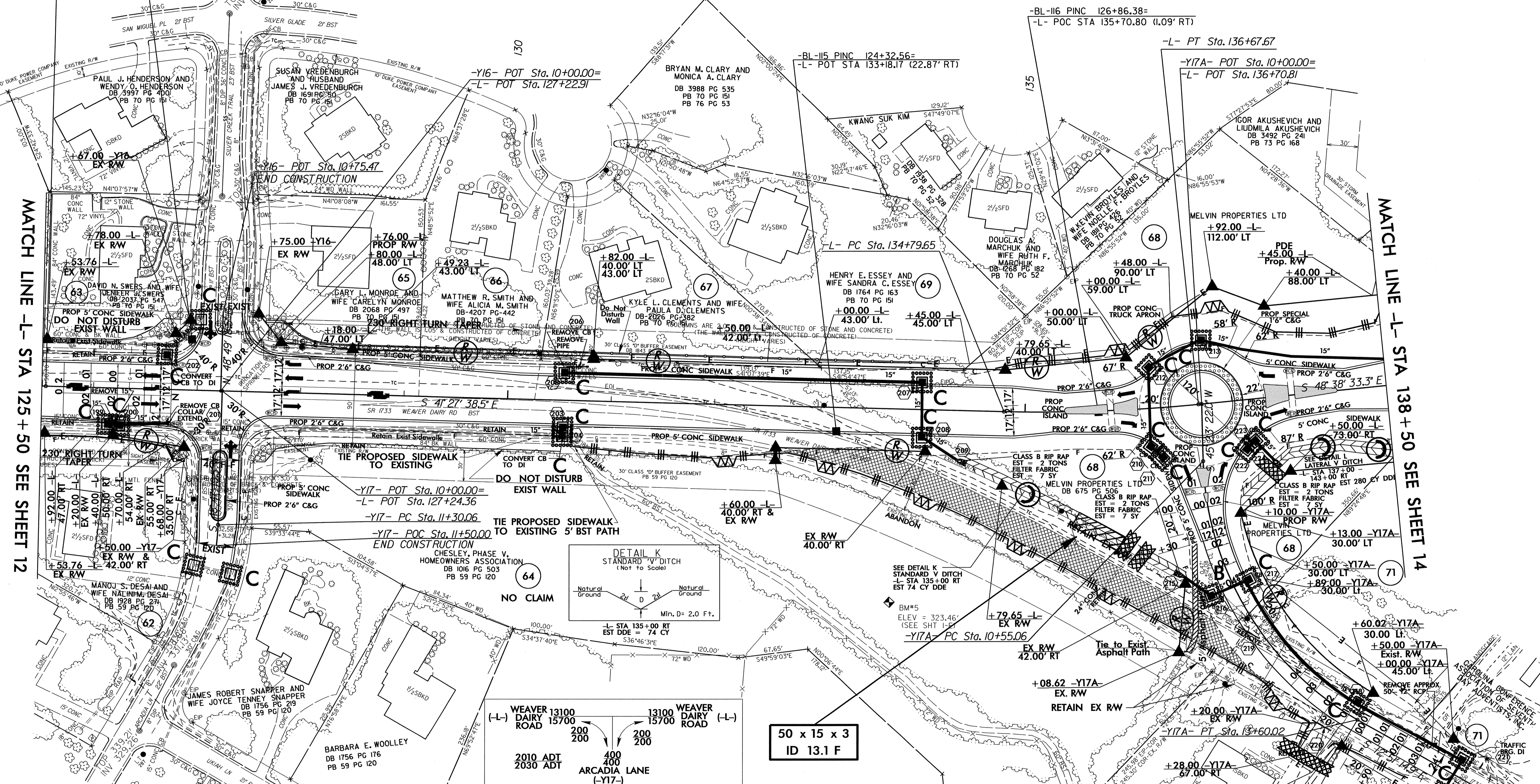
- Proposed Concrete Truck Apron
- Proposed Concrete Sidewalk
- Proposed Asphalt Path
- Proposed Pavement Removal

SEE SHEET 20 FOR -L- PROFILE
SEE SHEET 25 FOR -Y17- PROFILE
SEE SHEET 26 FOR -Y17A- PROFILE
SEE SHEET 21 DETAIL K FOR ROUNDABOUT DETAIL

NOTE: REMOVE EXIST. 2'6" C&G STA. 125+50 TO 130+50 RT. & LT.

-Y17-	-Y17A-	-L-	-L-
PI Sta 11+49.30	PI Sta 12+22.18	PI Sta 121+66.45	PI Sta 135+73.78
$\Delta = 10' 59" 06.0" (RT)$	$\Delta = 58' 14" 36.9" (LT)$	$\Delta = 50' 11" 45.9" (RT)$	$\Delta = 7' 10" 54.8" (LT)$
$D = 28' 38" 52.4"$	$D = 19' 05" 54.9"$	$D = 6' 01" 52.1"$	$D = 3' 49" 11.0"$
$L = 38.34'$	$L = 304.96'$	$L = 832.28'$	$L = 188.02'$
$T = 19.23'$	$T = 167.13'$	$T = 444.97'$	$T = 94.13'$
$R = 200.00'$	$R = 300.00'$	$R = 950.00'$	$R = 1,500.00'$
SE = EXIST	SE = SEE PLANS	SE = 04'	SE = NC
		RO = 104'	RO = 104'

*SPEED 20 MPH OR LESS FOR ROUNDABOUT



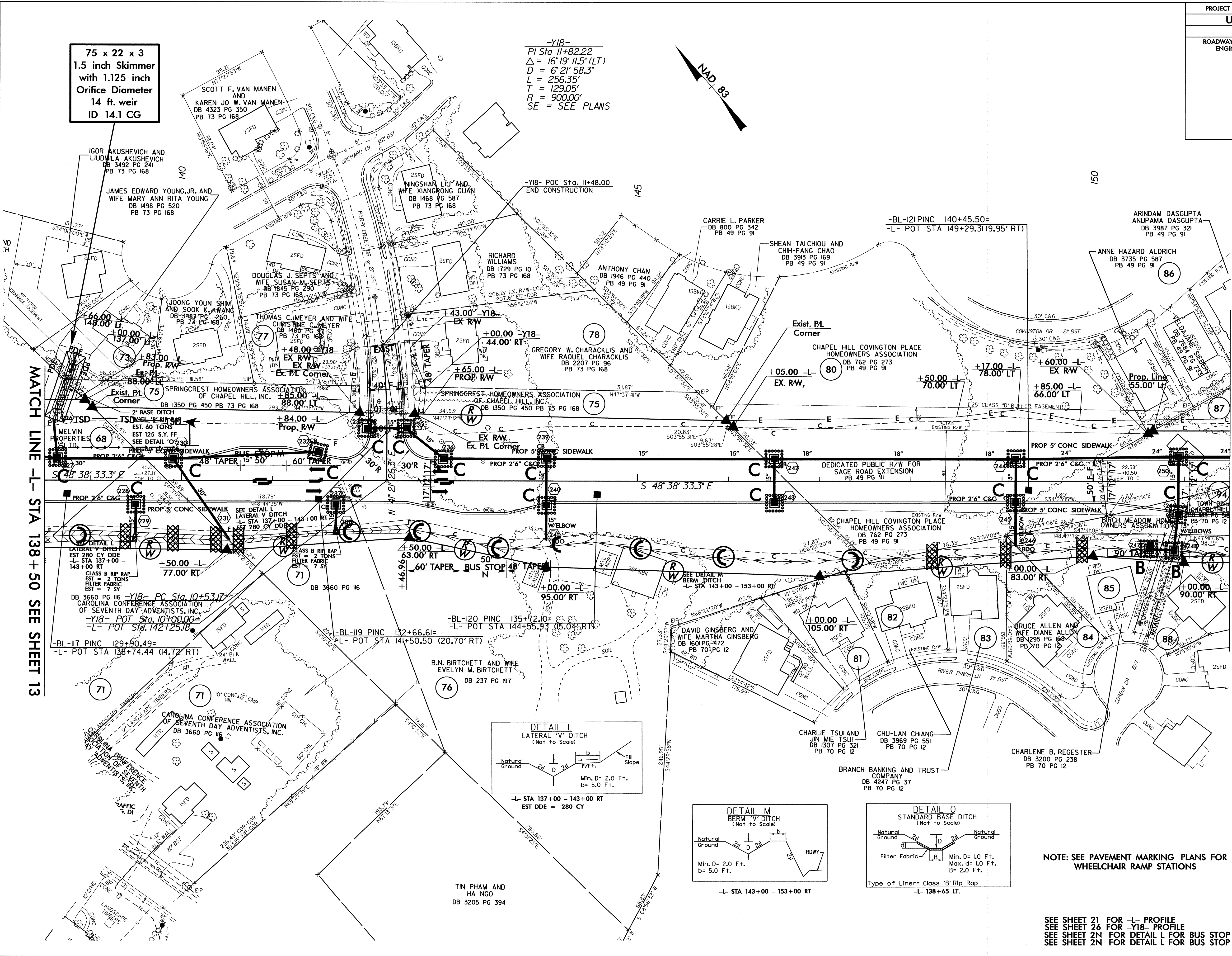
MATCH LINE -L- STA 125 + 50 SEE SHEET 12

MATCH LINE -L- STA 138 + 50 SEE SHEET 14

50 x 15 x 3
ID 13.1 F

PROJECT REFERENCE NO.	
U-3306	EC-26/CONST.14
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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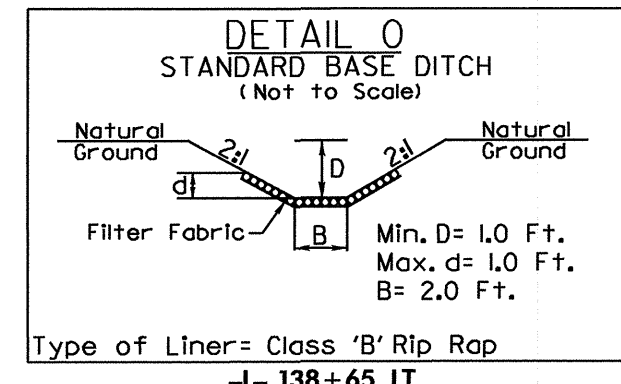
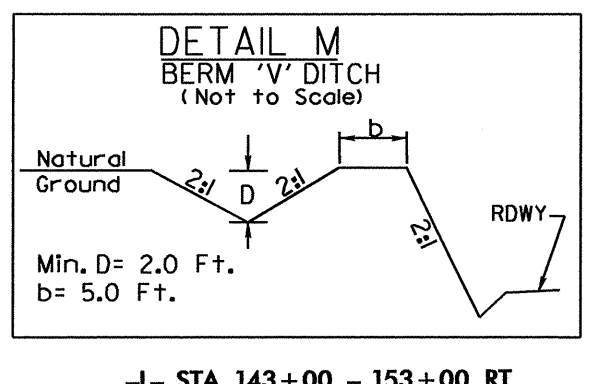
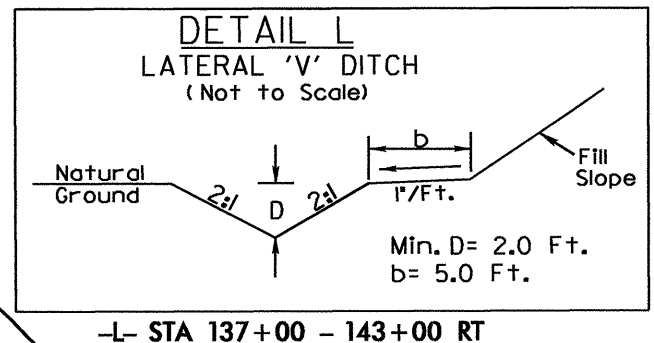


75 x 22 x 3
1.5 inch Skimmer
with 1.125 inch
Orifice Diameter
14 ft. weir
ID 14.1 CG

-Y18-
PI Sta 11+82.22
 $\Delta = 16' 19'' 11.5'' (LT)$
 $D = 6' 21'' 58.3''$
 $L = 256.35'$
 $T = 129.05'$
 $R = 900.00'$
SE = SEE PLANS

MATCH LINE -L- STA 138+50 SEE SHEET 13

MATCH LINE -L- STA 151+50 SEE SHEET 15



NOTE: SEE PAVEMENT MARKING PLANS FOR WHEELCHAIR RAMP STATIONS

SEE SHEET 21 FOR -L- PROFILE
SEE SHEET 26 FOR -Y18- PROFILE
SEE SHEET 2N FOR DETAIL L FOR BUS STOP M DETAIL
SEE SHEET 2N FOR DETAIL L FOR BUS STOP N DETAIL

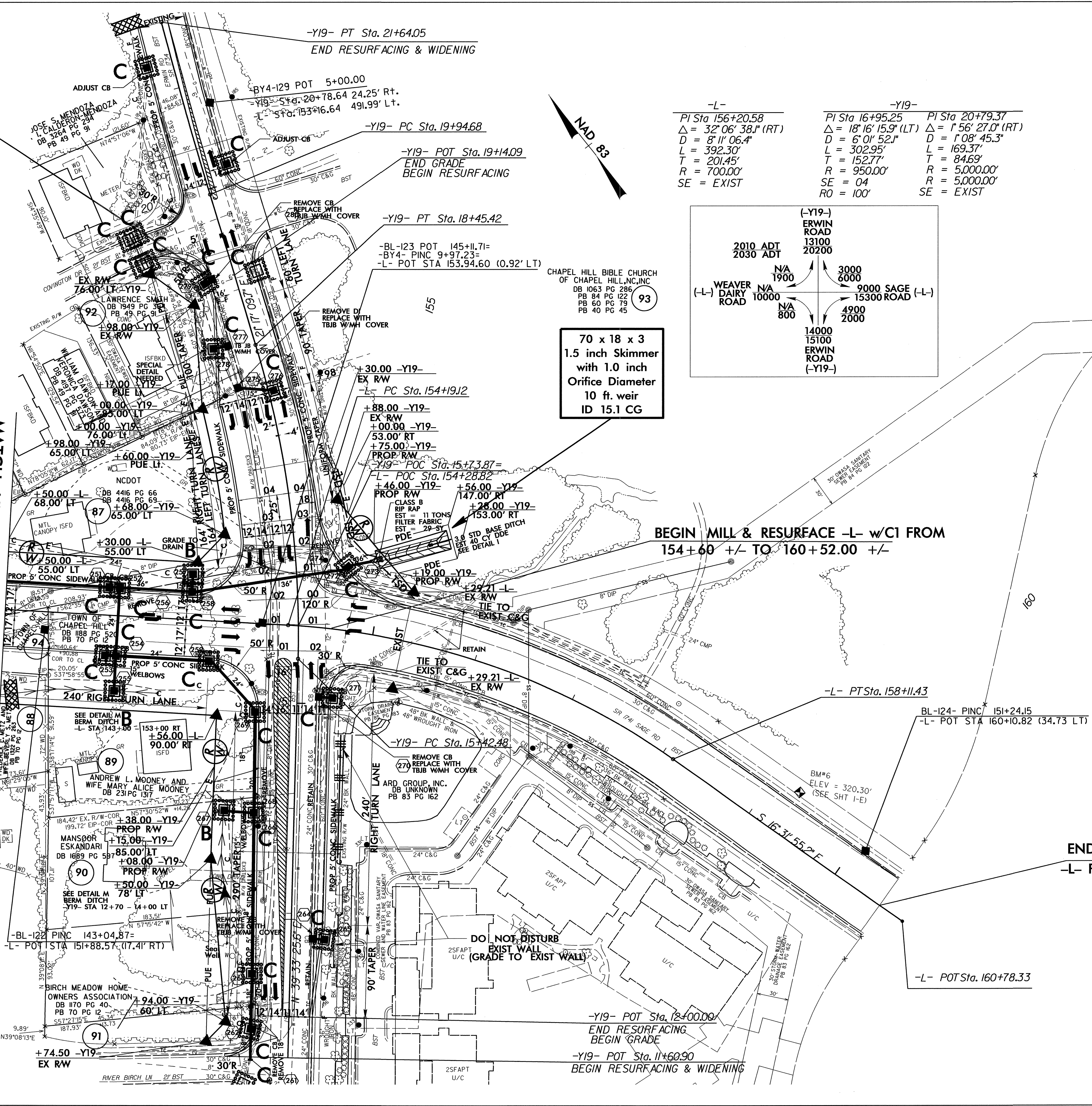
TIN PHAM AND
HA NGO
DB 3205 PG 394

PROJECT REFERENCE NO.		SHEET NO.	
U-3306		EC-27/CONST.15	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

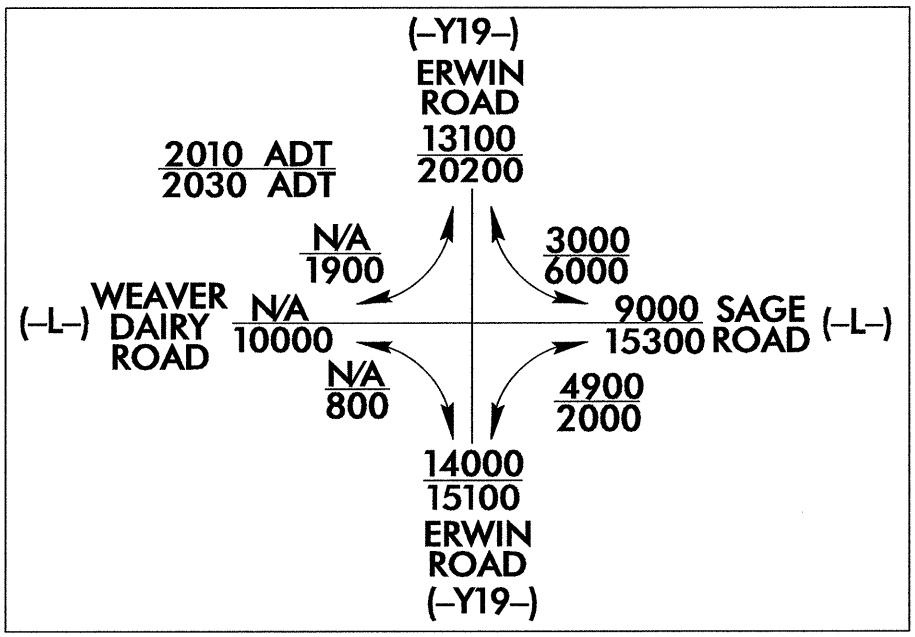
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MATCH LINE -L- STA 151+50 SEE SHEET 14

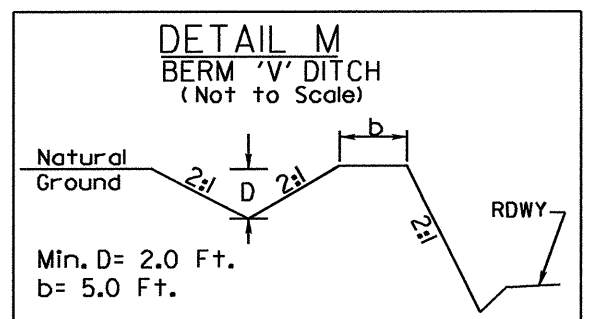
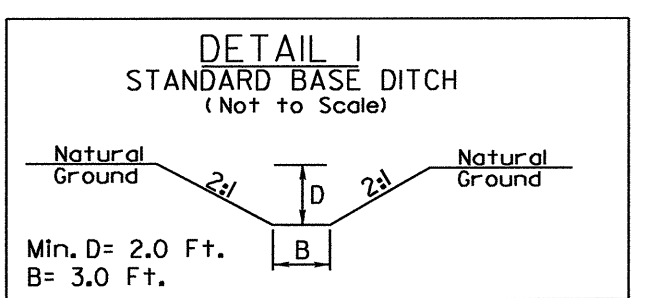
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 01 11/23/2003



-L-	-Y19-	
PI Sta 156+20.58	PI Sta 16+95.25	PI Sta 20+79.37
$\Delta = 32^{\circ}06'38.1''$ (RT)	$\Delta = 18^{\circ}16'15.9''$ (LT)	$\Delta = 1^{\circ}56'27.0''$ (RT)
$D = 8^{\circ}11'06.4''$	$D = 6^{\circ}01'52.1''$	$D = 1^{\circ}08'45.3''$
$L = 392.30'$	$L = 302.95'$	$L = 169.37'$
$T = 201.45'$	$T = 152.77'$	$T = 84.69'$
$R = 700.00'$	$R = 950.00'$	$R = 5,000.00'$
SE = EXIST	SE = 04	SE = EXIST
	RO = 100'	



70 x 18 x 3
 1.5 inch Skimmer
 with 1.0 inch
 Orifice Diameter
 10 ft. weir
 ID 15.1 CG



NOTE: SEE PAVEMENT MARKING PLANS FOR WHEELCHAIR RAMP STATIONS

PROPOSED PAINT STRIPING
 SEE SHEET 21 FOR -L- PROFILE
 SEE SHEET 26 FOR -Y19- PROFILE
 SEE SHEET 20 FOR -Y19- INTERSECTION DETAIL