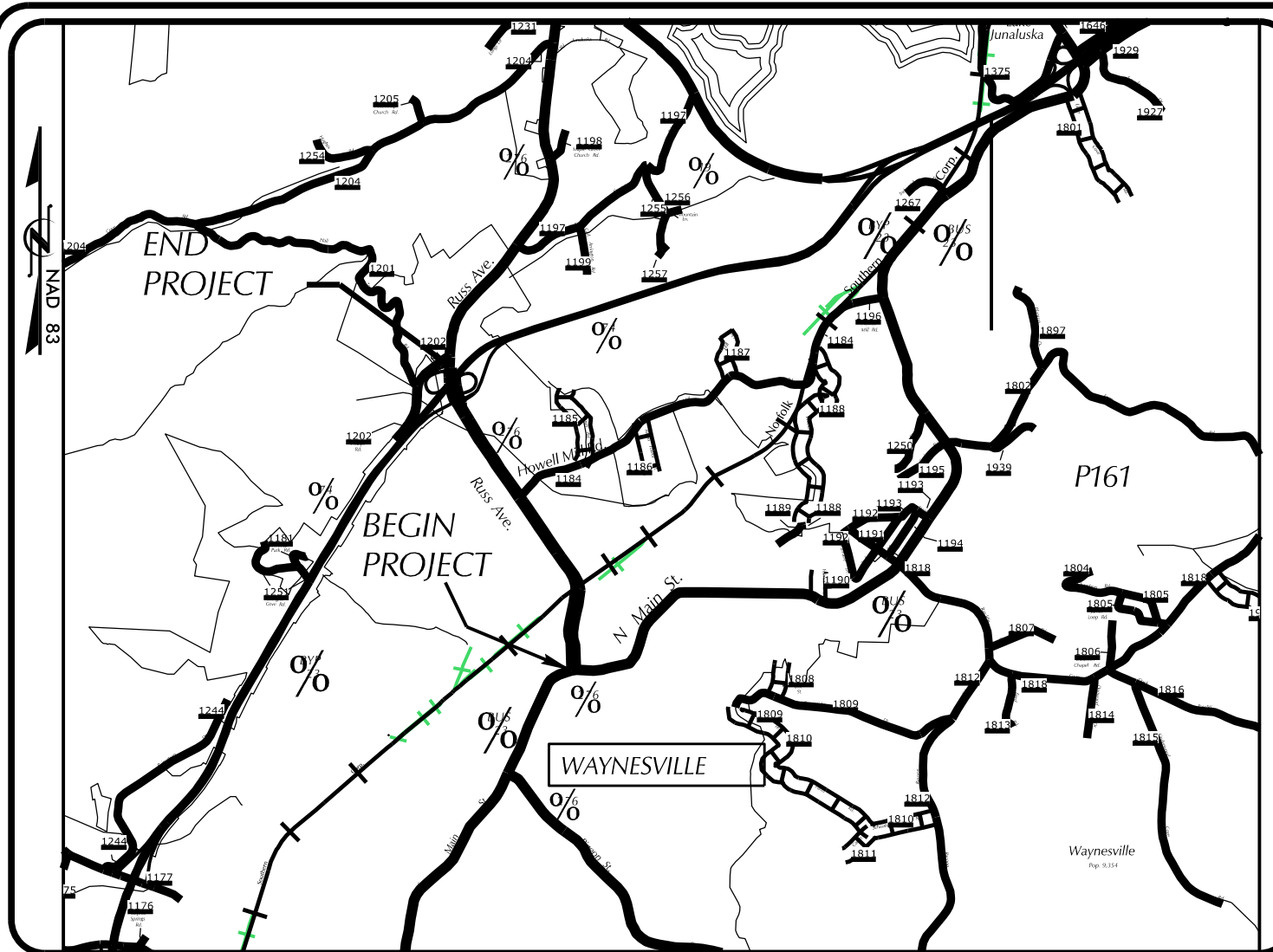


TIP PROJECT: U-5839



VICINITY MAP
NOT TO SCALE

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

**PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL**

HAYWOOD COUNTY

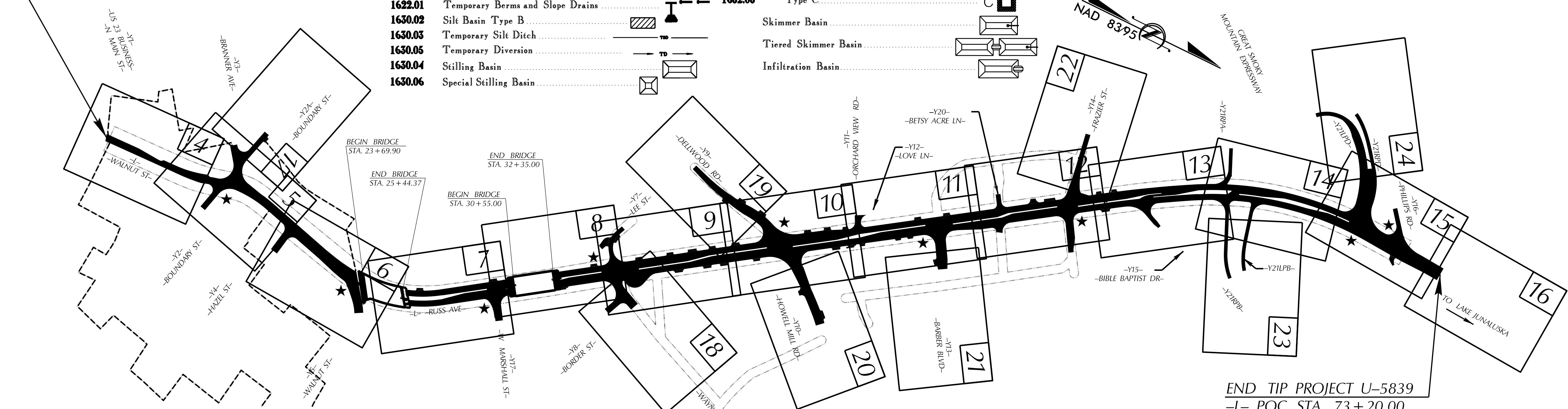
**LOCATION: RUSS AVE - US 276 FROM US 23/74 (GREAT SMOKY
MOUNTAINS EXPWY) TO US 23 BUS (N MAIN ST)**

**TYPE OF WORK: GRADING, DRAINAGE, PAVING, SIGNALS,
STRUCTURES, AND CULVERT**

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

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5839	EC-1	50
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
50230.1.1		P.E.	
50230.2.1		RW, UTL.	

BEGIN TIP PROJECT U-5839
-L- POT STA. 10+19.45



END TIP PROJECT U-5839
-L- POC STA. 73+20.00

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1605.01	Temporary Silt Fence	[Symbol]
1606.01	Special Sediment Control Fence	[Symbol]
1622.01	Temporary Berms and Slope Drains	[Symbol]
1630.02	Silt Basin Type B	[Symbol]
1630.03	Temporary Silt Ditch	[Symbol]
1630.05	Temporary Diversion	[Symbol]
1630.04	Stilling Basin	[Symbol]
1630.06	Special Stilling Basin	[Symbol]

Rock Inlet Sediment Trap:

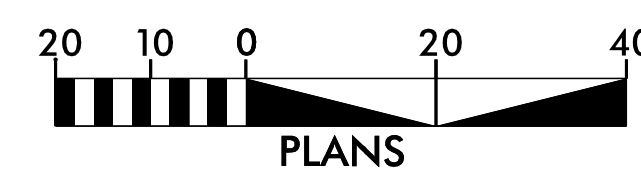
1632.01	Type A	[Symbol A]
1632.02	Type B	[Symbol B]
1632.03	Type C	[Symbol C]
	Skimmer Basin	[Symbol]
	Tiered Skimmer Basin	[Symbol]
	Infiltration Basin	[Symbol]

1633.01	Temporary Rock Silt Check Type-A	[Symbol]
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	[Symbol]
1633.02	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]

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD II
THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF THE TOWN OF WAYNESVILLE. THERE IS NO
CONTROL OF ACCESS ON THIS PROJECT EXCEPT INTERCHANGES & U-TURN BULBS HAVE FULL CONTROL OF ACCESS

★ UPGRADE EXISTING SIGNAL

GRAPHIC SCALE



NIV15

NV5 ENGINEERS & CONSULTANTS, INC.
7500 E. INDEPENDENCE BLVD., STE 100
CHARLOTTE, NC 28227
P: 704.537.7300 www.NV5.com
NC License # F-1335
formerly CALIX Engineers & Consultants

Prepared in the Office of:

NV5

7500 E. INDEPENDENCE BLVD., STE 100
CHARLOTTE, NC 28227

Designed by:

WILL J. WEATHERSBEE

3161

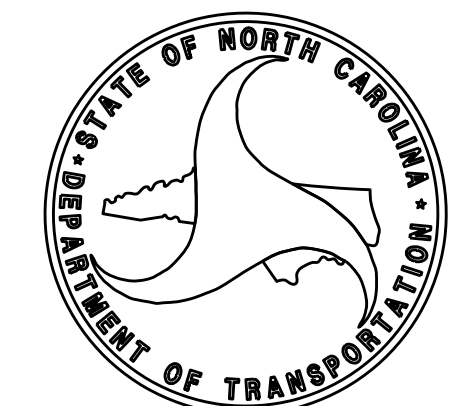
NAME

LEVEL III CERTIFICATION NO.

Roadway Standard Drawings

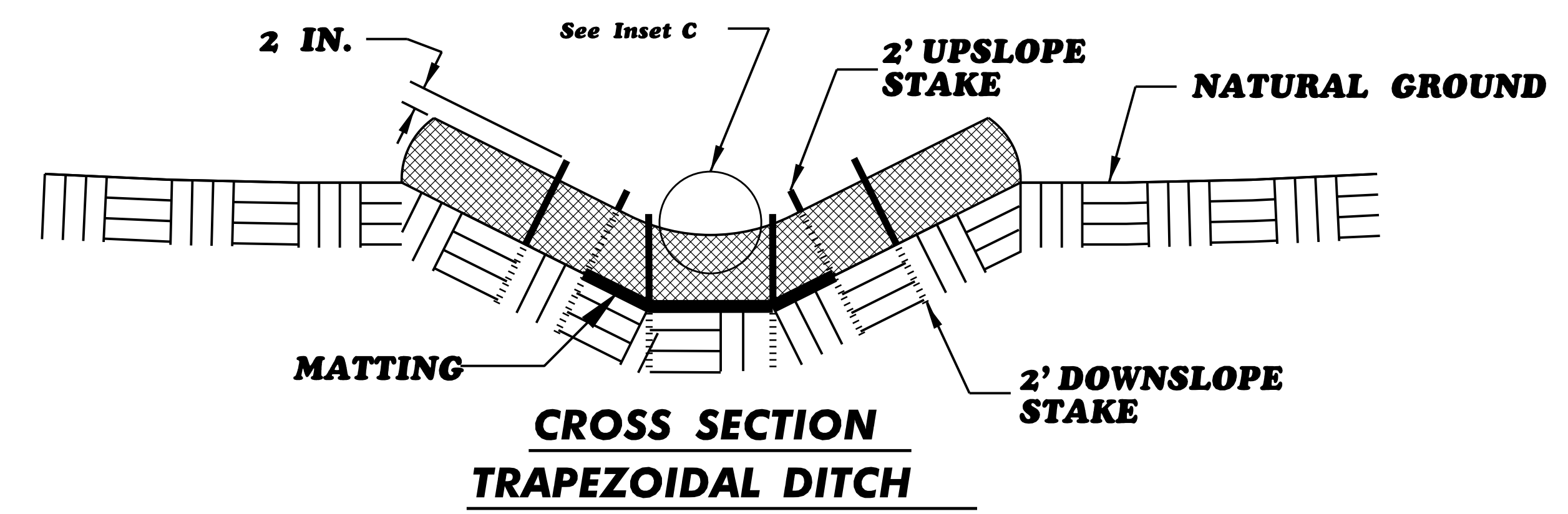
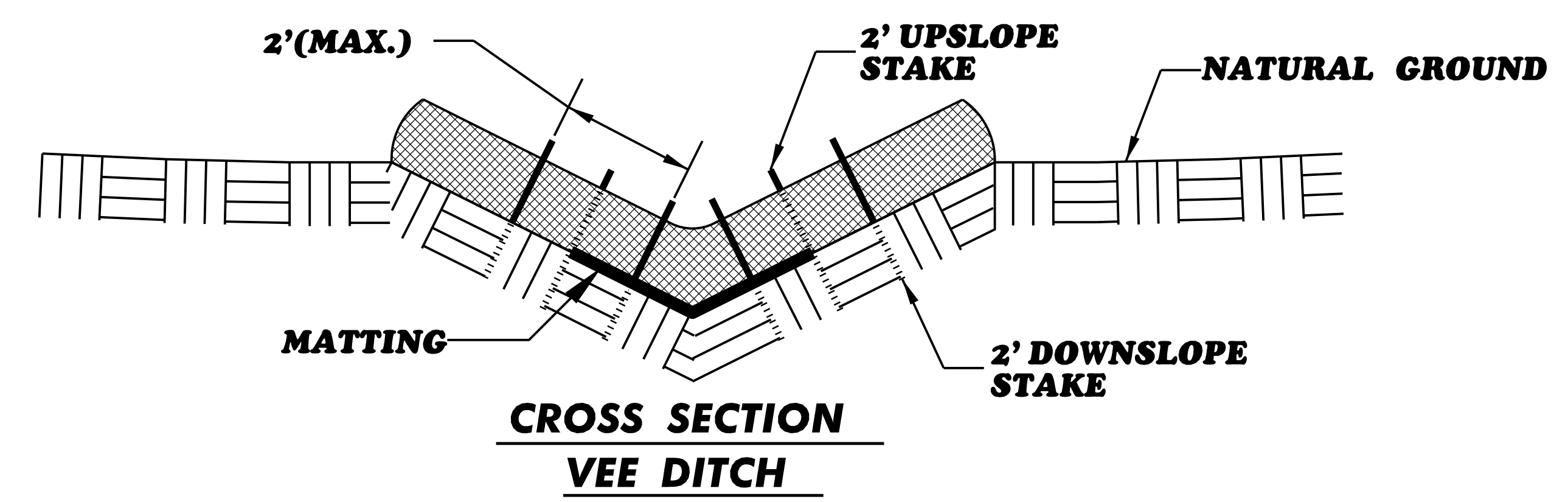
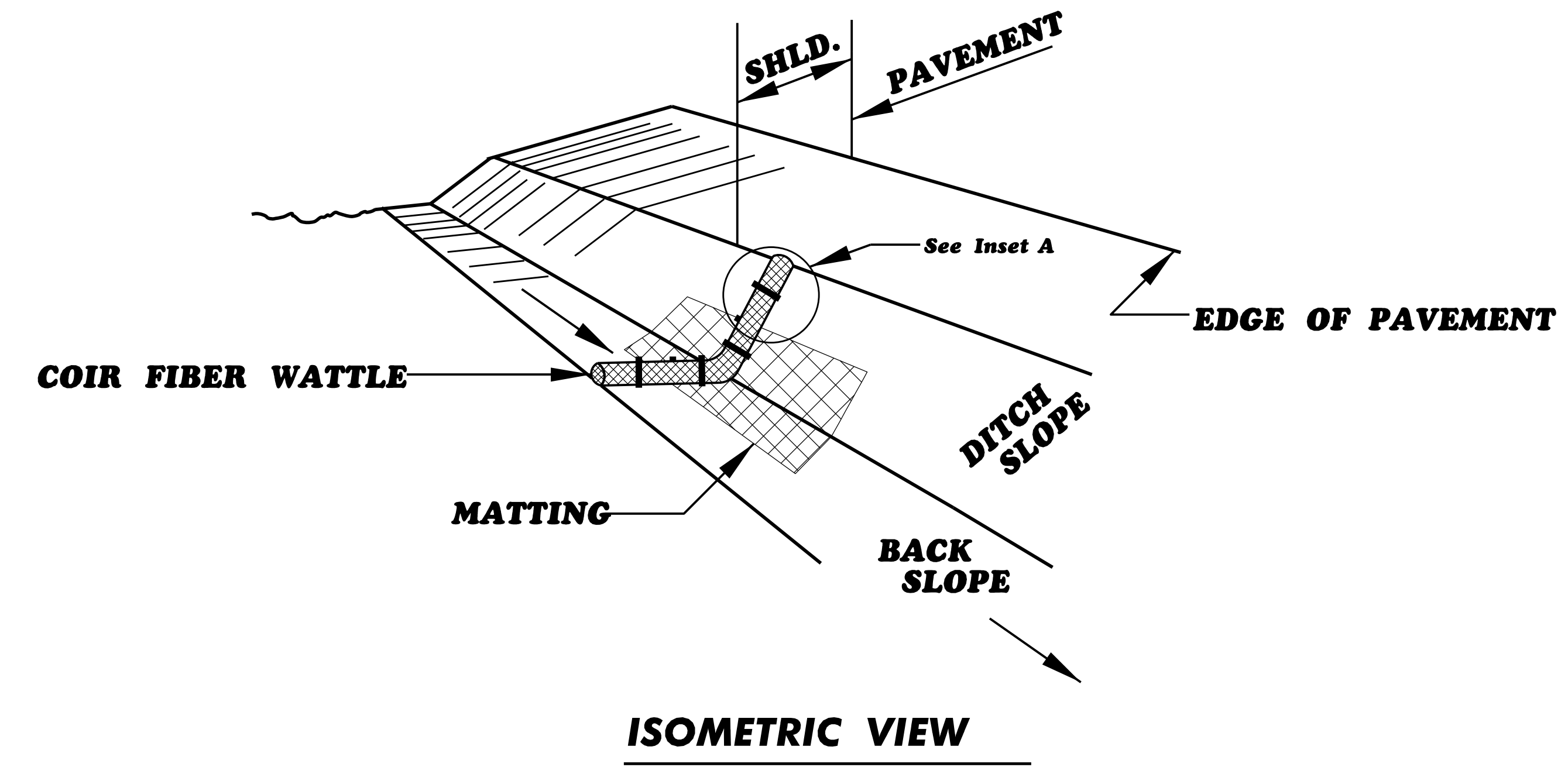
The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2018 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

1604.01	Railroad Erosion Control Detail	1632.01	Rock Inlet Sediment Trap Type A
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	1633.02	Temporary Rock Silt Check Type B
1630.01	Riser Basin	1634.01	Temporary Rock Sediment Dam Type A
1630.02	Silt Basin Type B	1634.02	Temporary Rock Sediment Dam Type B
1630.03	Temporary Silt Ditch	1635.01	Rock Pipe Inlet Sediment Trap Type A
1630.04	Stilling Basin	1635.02	Rock Pipe Inlet Sediment Trap Type B
1630.05	Temporary Diversion	1640.01	Coir Fiber Baffle
1630.06	Special Stilling Basin	1645.01	Temporary Stream Crossing
1631.01	Matting Installation		



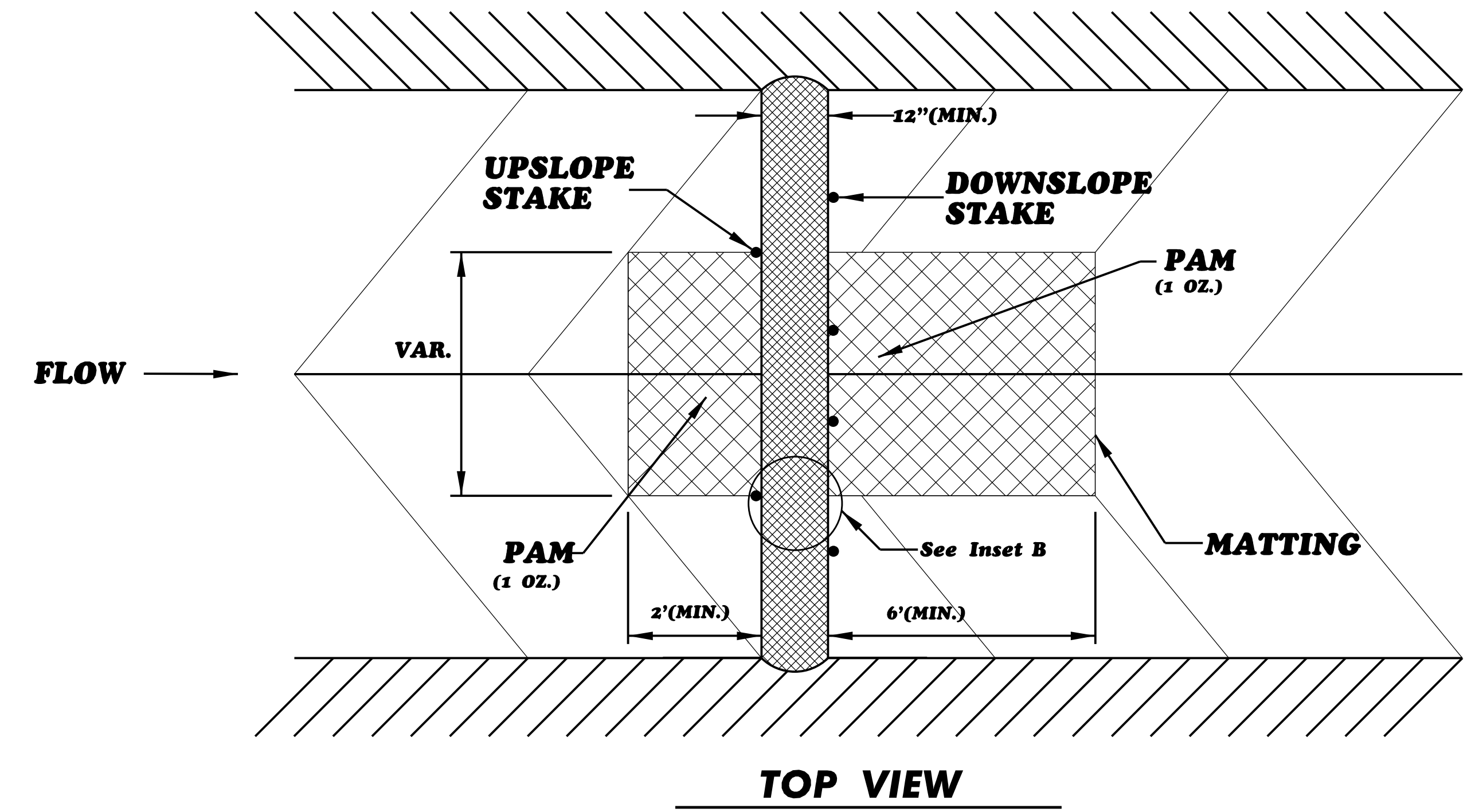
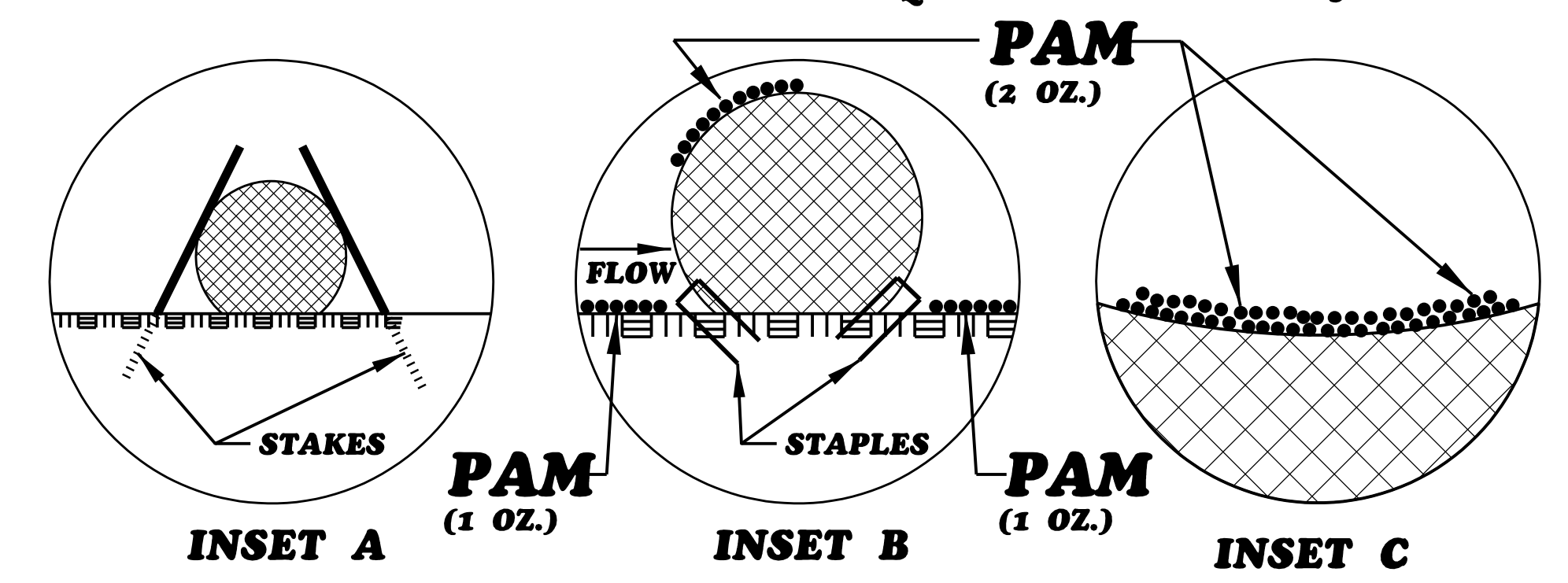
THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH
THE APPLICABLE REGULATIONS SET FORTH BY THE NCG-010000
GENERAL CONSTRUCTION PERMIT EFFECTIVE APRIL 1, 2019
AND ISSUED BY THE NORTH CAROLINA DEPARTMENT OF
ENVIRONMENTAL QUALITY DIVISION OF WATER RESOURCES.

COIR FIBER WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL

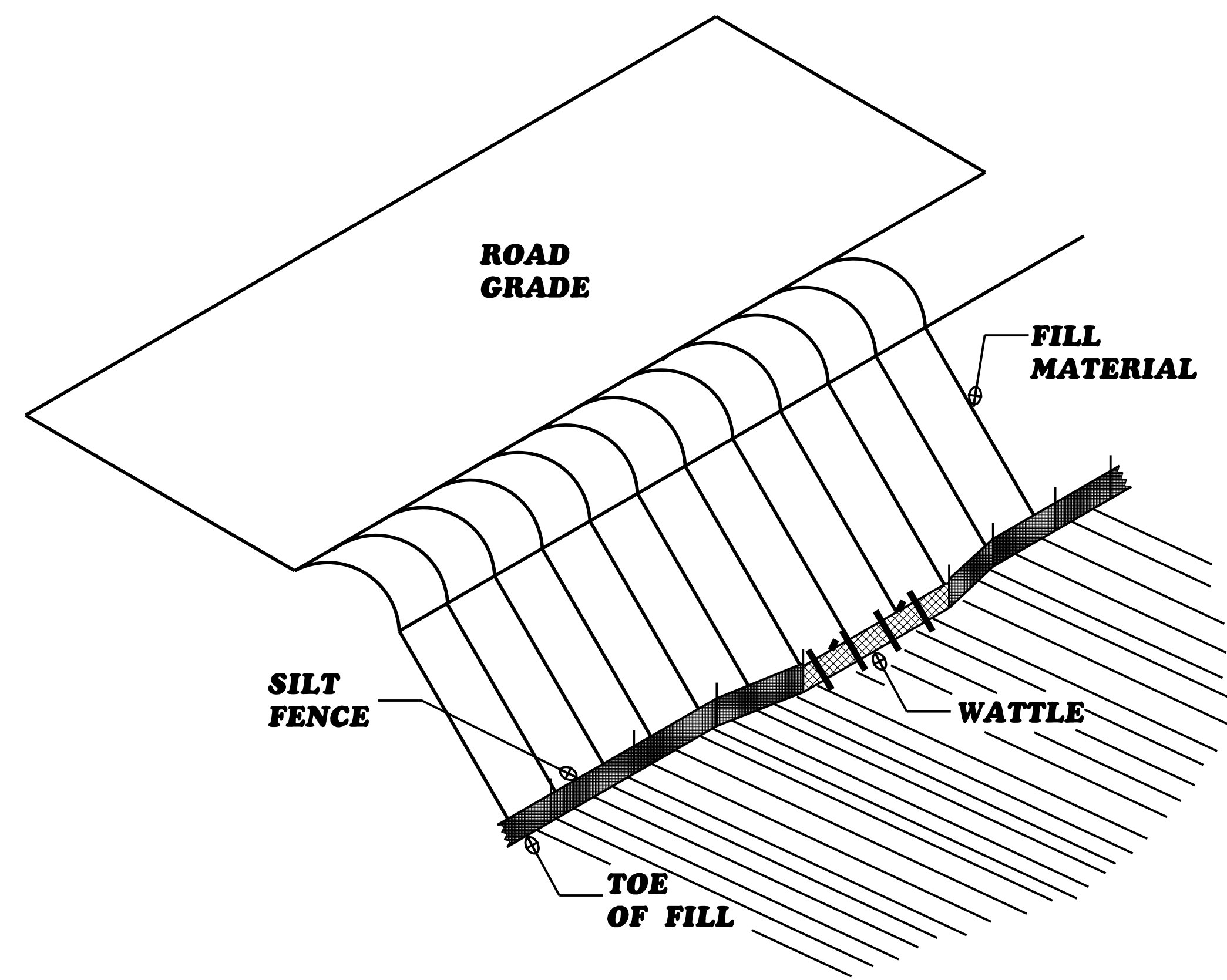


NOTES:

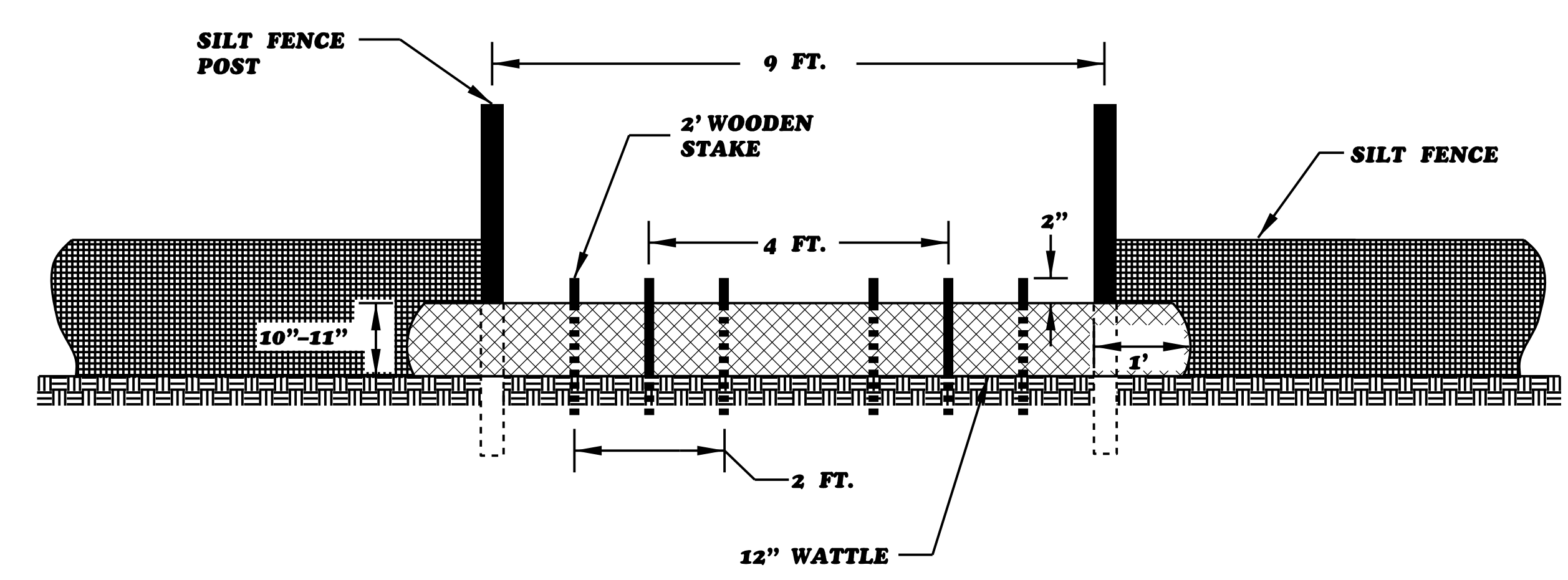
- USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE.
- USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.
- ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.
- INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 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.



SILT FENCE COIR FIBER WATTLE BREAK DETAIL



ISOMETRIC VIEW

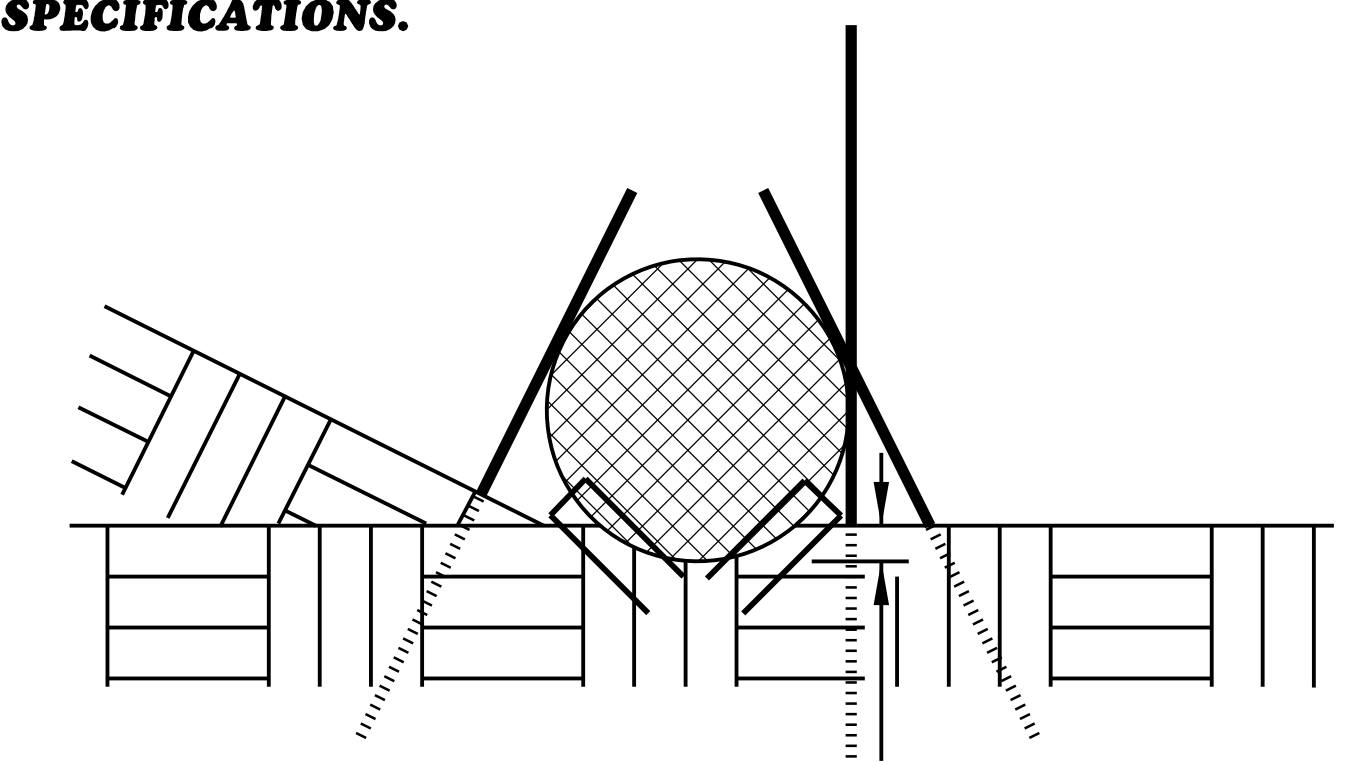


VIEW FROM SLOPE

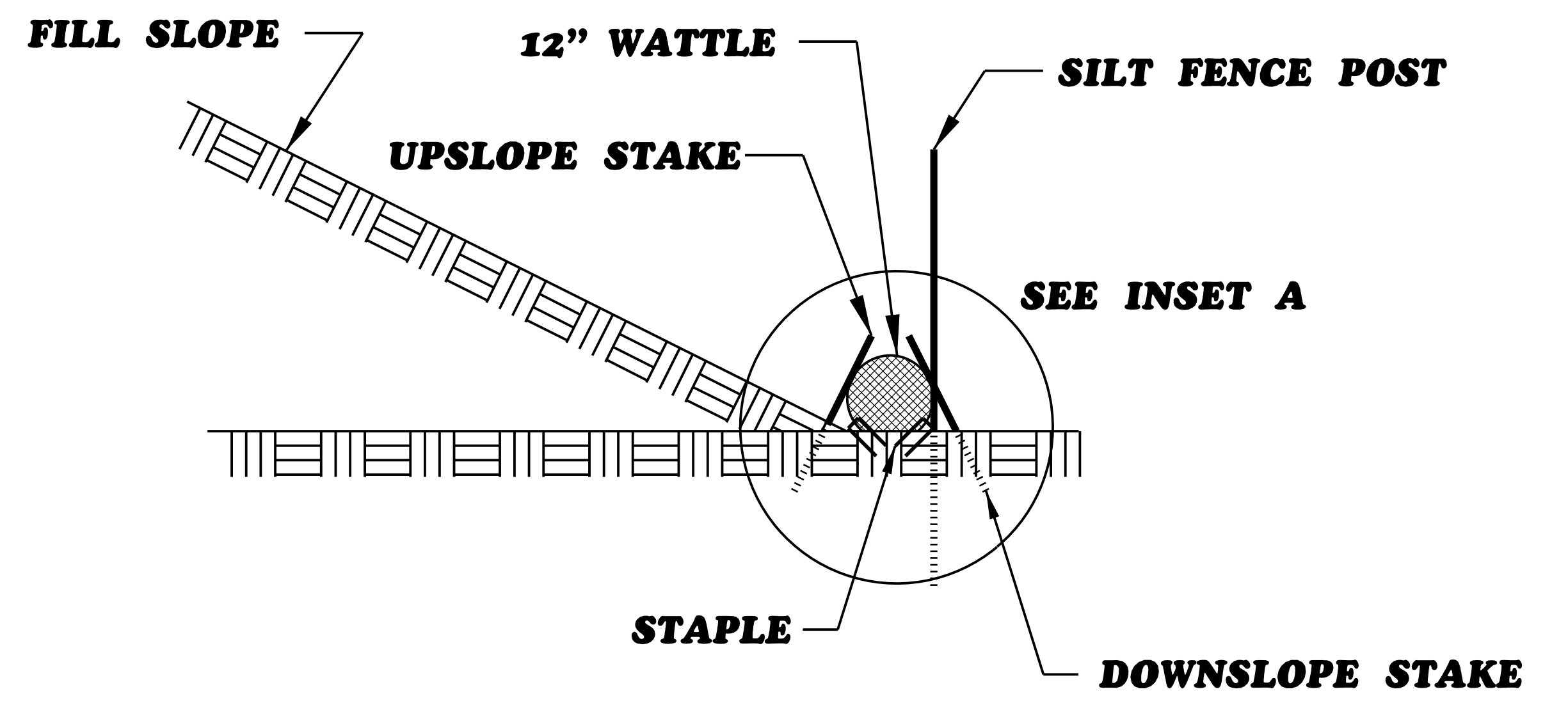
NOTES:

- USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE AND LENGTH OF 10 FT.
- EXCAVATE A 1 TO 2 INCH TRENCH FOR WATTLE TO BE PLACED.
- DO NOT PLACE WATTLE ON TOE OF SLOPE.
- USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.
- INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO GROUND.
- 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.
- WATTLE INSTALLATION CAN BE ON OUTSIDE OF THE SILT FENCE AS DIRECTED.
- INSTALL TEMPORARY SILT FENCE IN ACCORDANCE WITH SECTION 1605 OF THE STANDARD SPECIFICATIONS.

INSET A

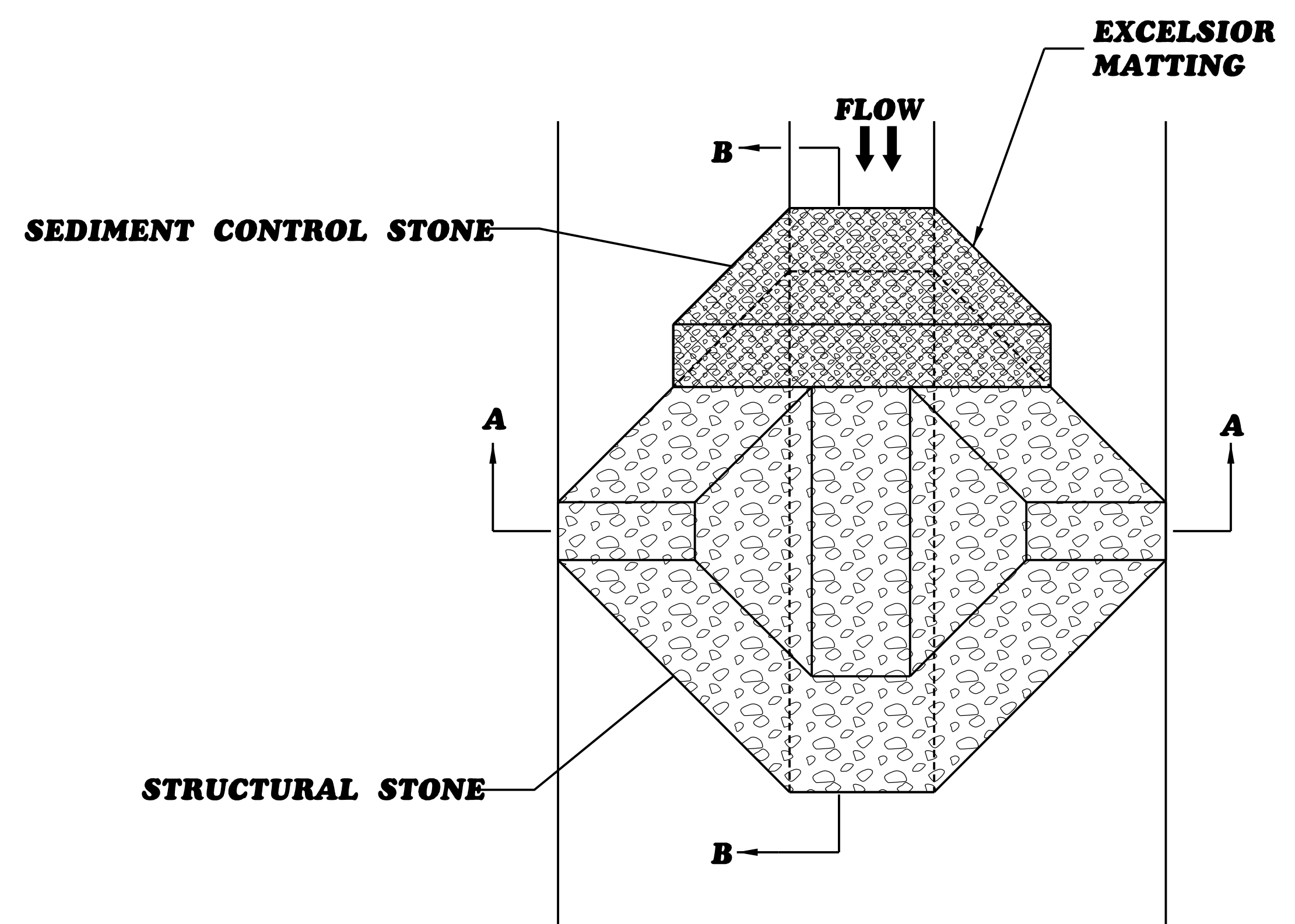


1'-2" TRENCH



SIDE VIEW

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



PLAN

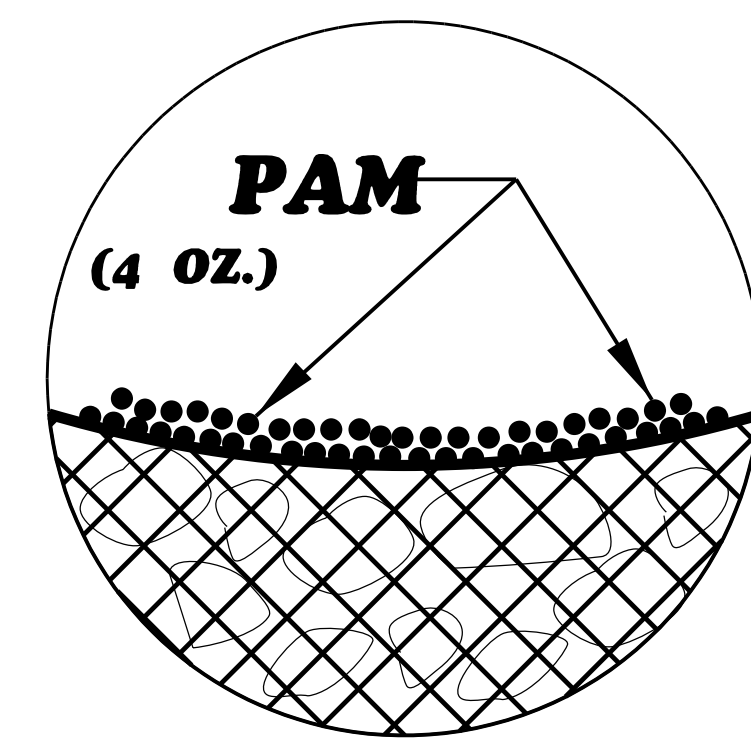
NOTES:

INSTALL TEMPORARY ROCK SILT CHECK TYPE A IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1633.01.

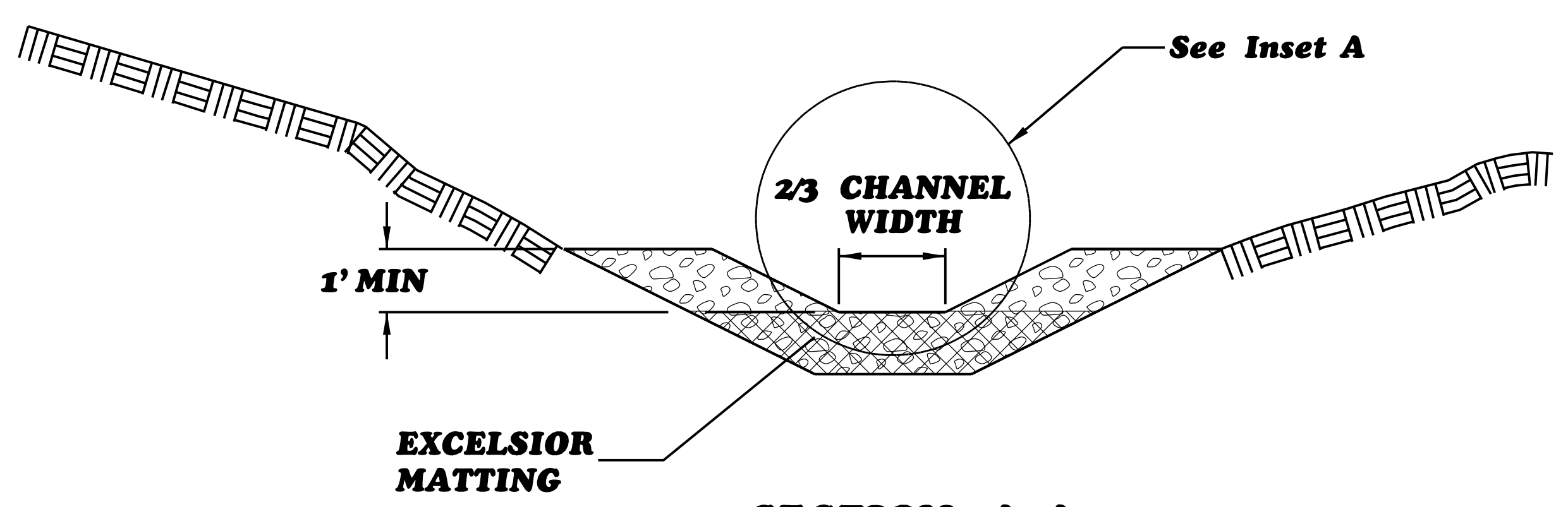
USE EXCELSIOR FOR MATTING MATERIAL AND ANCHOR MATTING SECTION AT TOP AND BOTTOM WITH CLASS B STONE.

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.

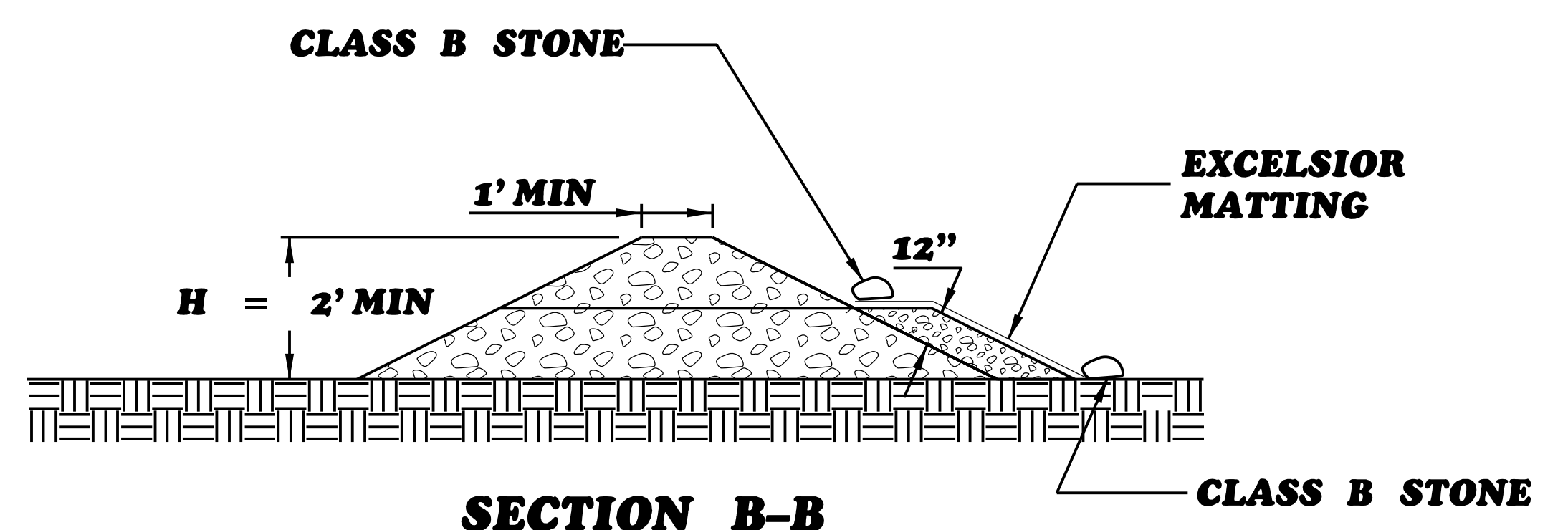
INITIALLY APPLY 4 OUNCES OF POLYACRYLAMIDE (PAM) TO TOP OF MATTING SECTION AND AFTER EVERY RAINFALL EVENT THAT EQUALS OR EXCEEDS 0.50 INCHES.



INSET A



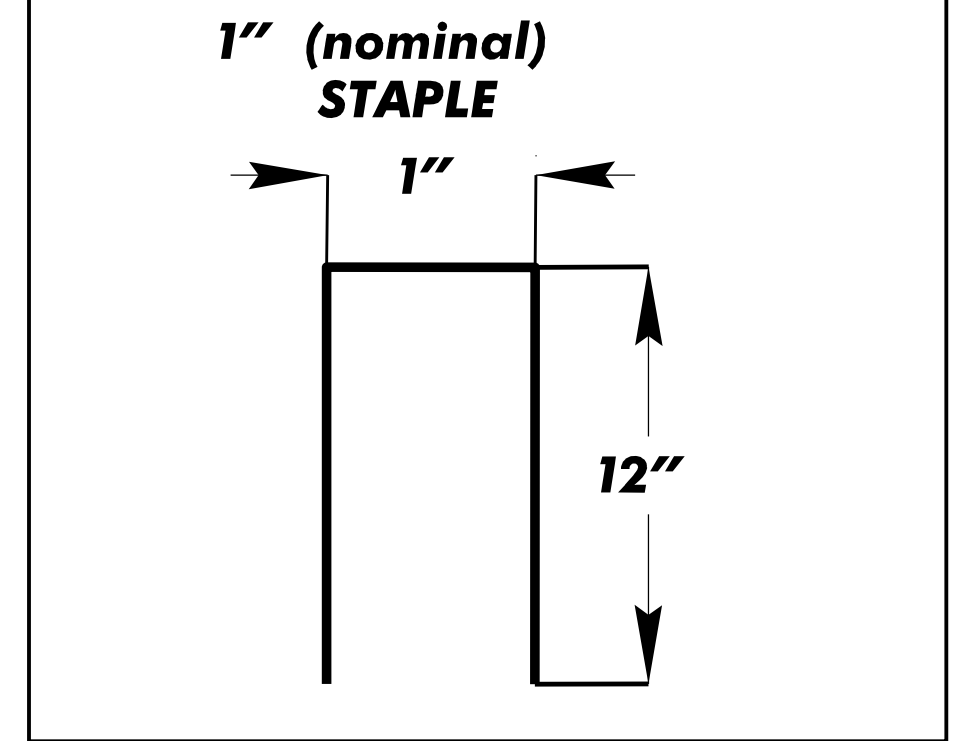
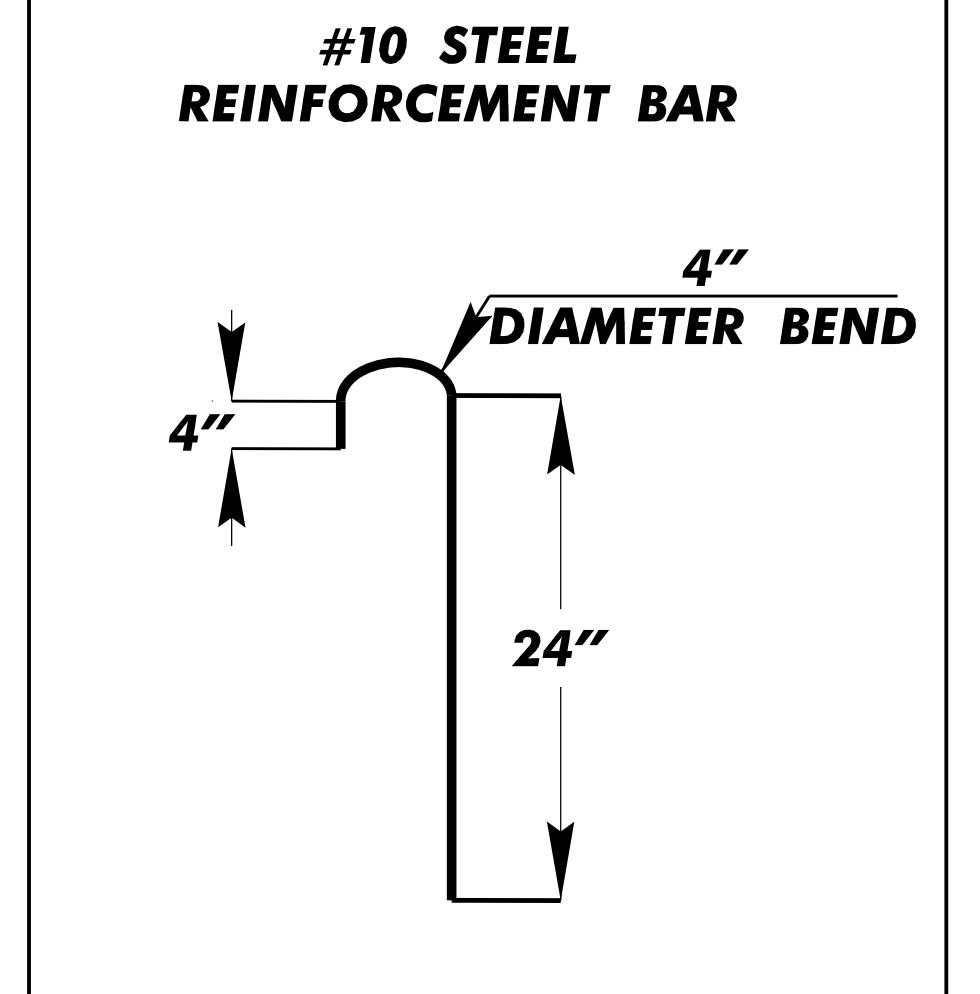
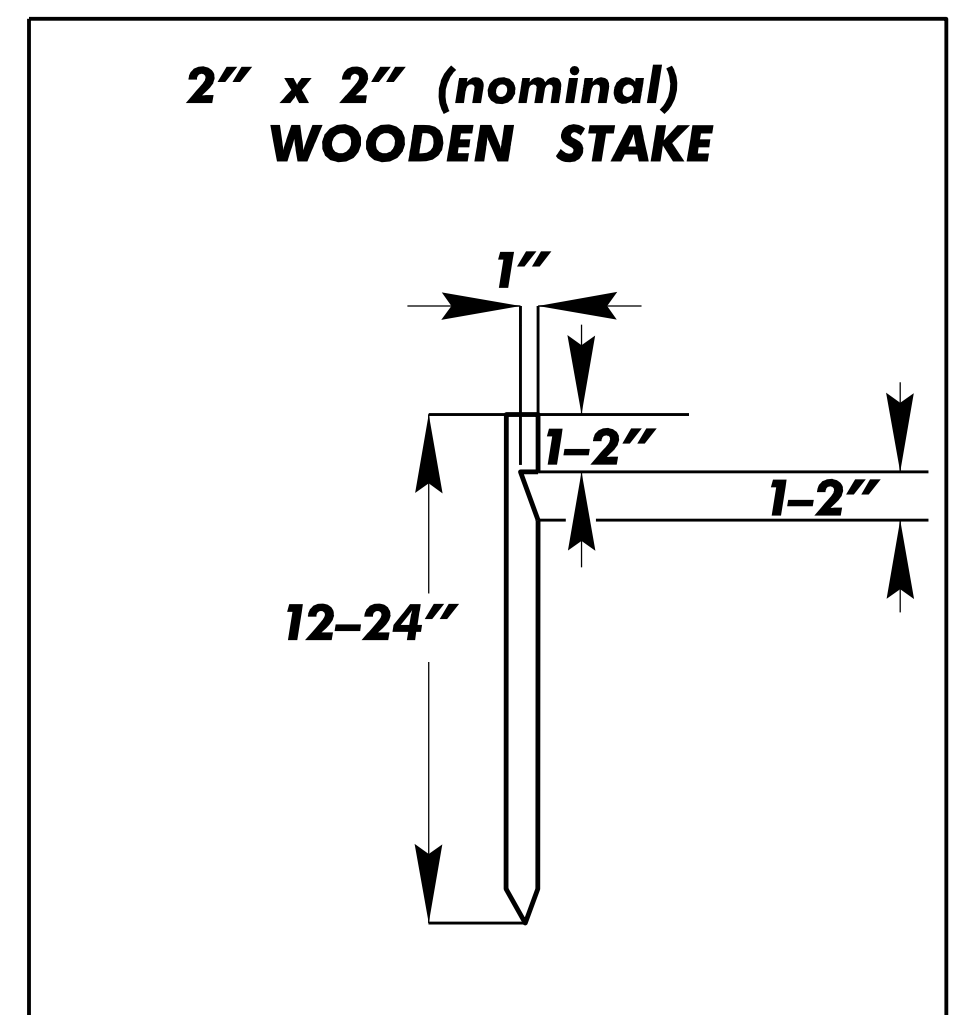
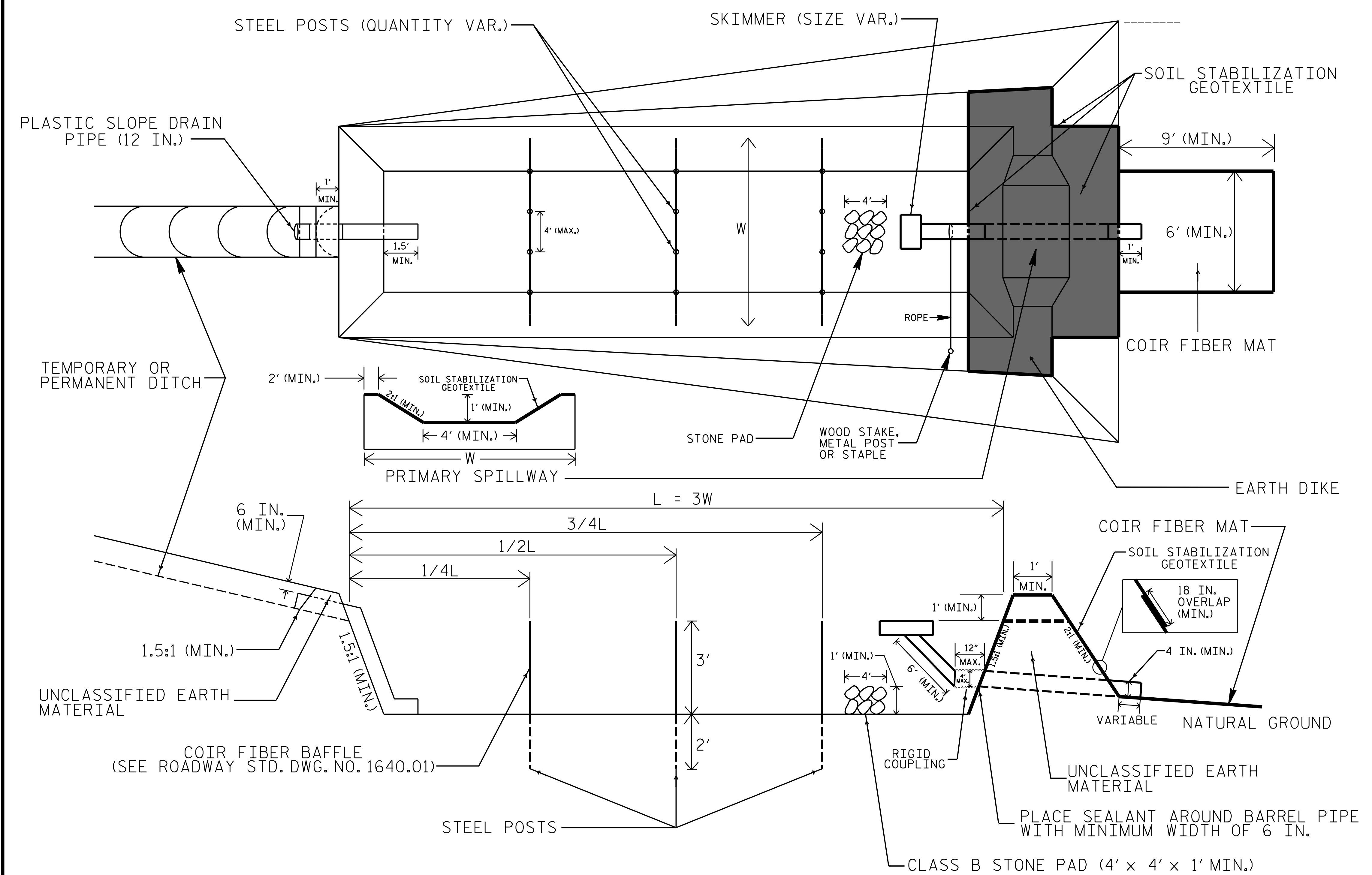
SECTION A-A



SECTION B-B

NOT TO SCALE

SKIMMER BASIN WITH BAFFLES DETAIL



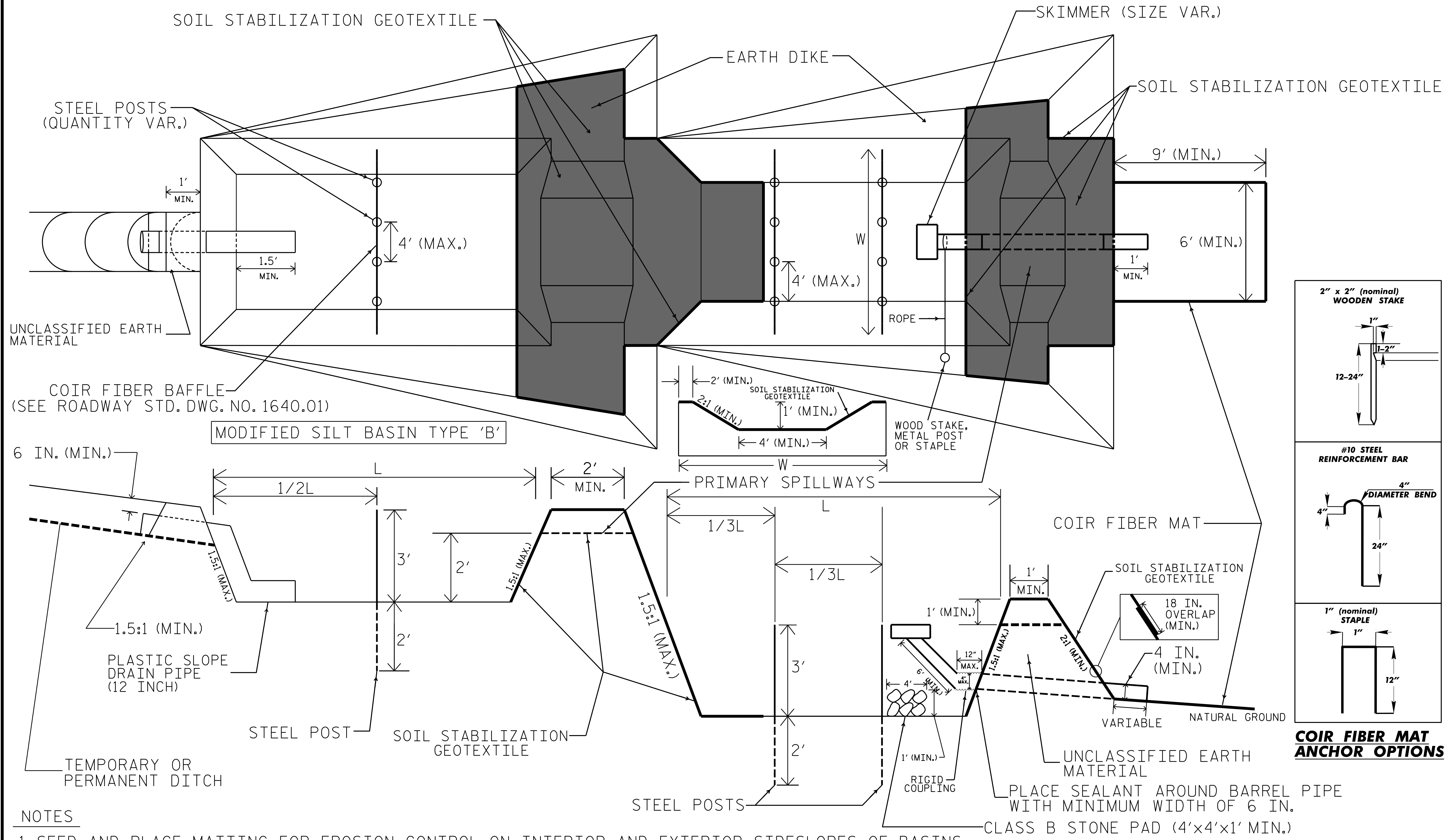
COIR FIBER MAT ANCHOR OPTIONS

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 PRIMARY SPILLWAY WEIR 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 FILTRATION GEOTEXTILE OR TARP AS DIRECTED.
6. SOIL STABILIZATION GEOTEXTILE FOR PRIMARY SPILLWAY SHALL BE ONE CONTINUOUS PIECE OF MATERIAL OR OVERLAPPED 18 IN. (MIN.).

NOT TO SCALE

TIERED SKIMMER BASIN DETAIL



NOTES

1. SEED AND PLACE MATTING FOR EROSION CONTROL ON INTERIOR AND EXTERIOR SIDESLOPES OF BASINS.
2. LIMIT HEIGHT OF EARTH DIKES TO 5 FT.
3. ADDITIONAL MODIFIED SILT BASINS TYPE 'B' MAY BE NEEDED DEPENDING ON SLOPE.
4. FOR BASIN DEPTHS OF 3FT., THE MINIMUM BASIN WIDTHS SHALL BE 9 FT.
5. DETERMINE PRIMARY SPILLWAY WEIR LENGTHS (FT.) USING $Q/0.8$, WHERE Q IS FLOW RATE (CFS) INTO UPPER BASIN.
6. SOIL STABILIZATION GEOTEXTILE FOR PRIMARY SPILLWAYS SHALL BE ONE CONTINUOUS PIECE OF MATERIAL OR OVERLAPPED 18 IN. (MIN.).

NOT TO SCALE

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

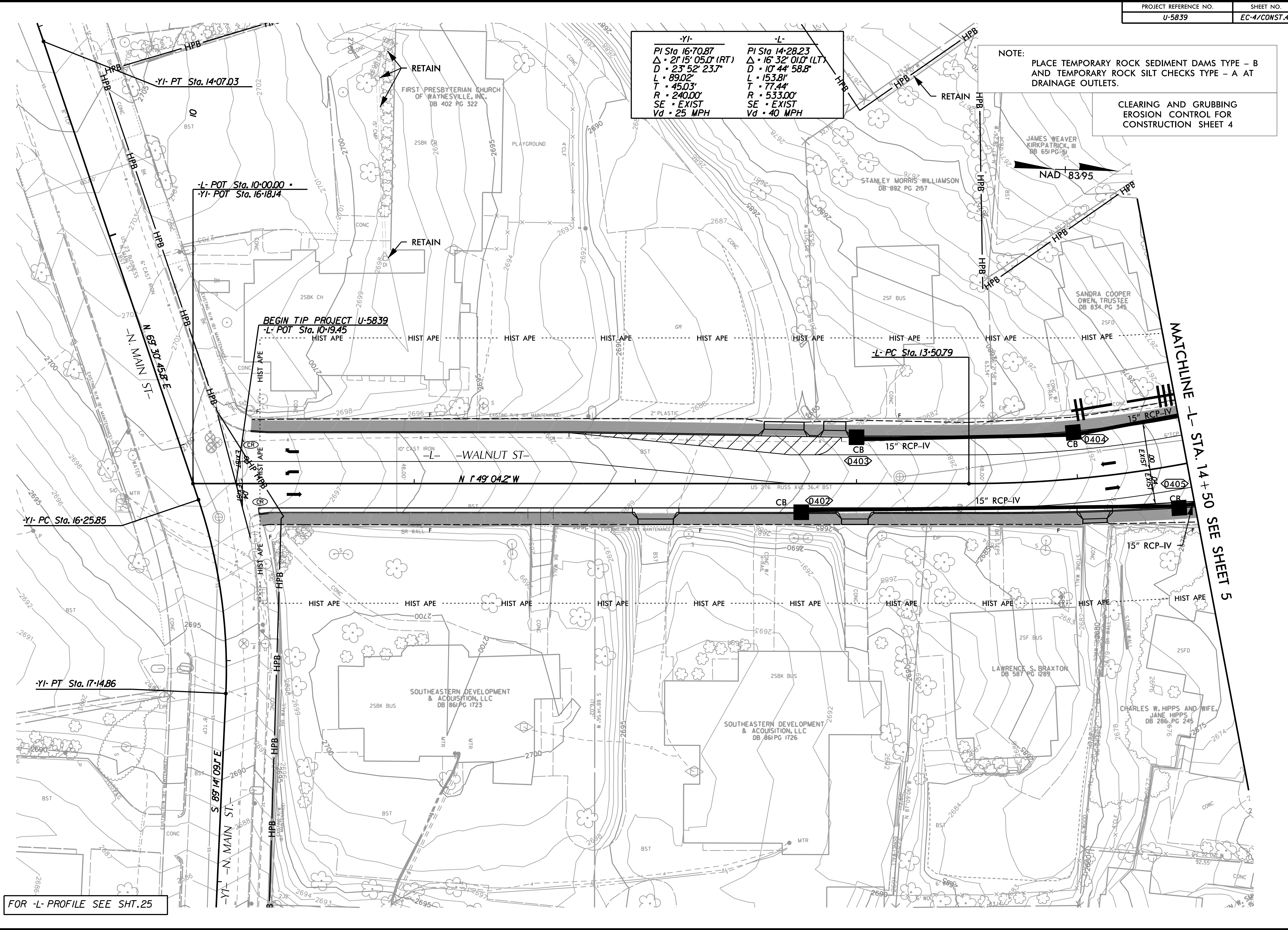
SOIL STABILIZATION TIMEFRAMES

<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.

-YI-	-L-
PI Sta 16.70.87	PI Sta 14.28.23
$\Delta \cdot 2^\circ 15' 05.0''$ (RT)	$\Delta \cdot 16^\circ 32' 01.0''$ (LT)
D $\cdot 23^\circ 52' 23.7''$	D $\cdot 10^\circ 44' 58.8''$
L $\cdot 89.02'$	L $\cdot 153.81'$
T $\cdot 45.03'$	T $\cdot 77.44'$
R $\cdot 240.00'$	R $\cdot 533.00'$
SE \cdot EXIST	SE \cdot EXIST
Vd $\cdot 25$ MPH	Vd $\cdot 40$ MPH

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



-L- POT Sta. 10.00.00
-YI- POT Sta. 16.18.14

BEGIN TIP PROJECT U-5839
-L- POT Sta. 10.19.45

-L- PC Sta. 13.50.79

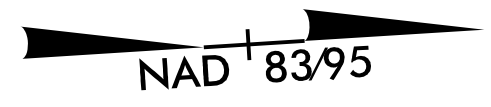
-YI- PC Sta. 16.25.85

-YI- PT Sta. 17.14.86

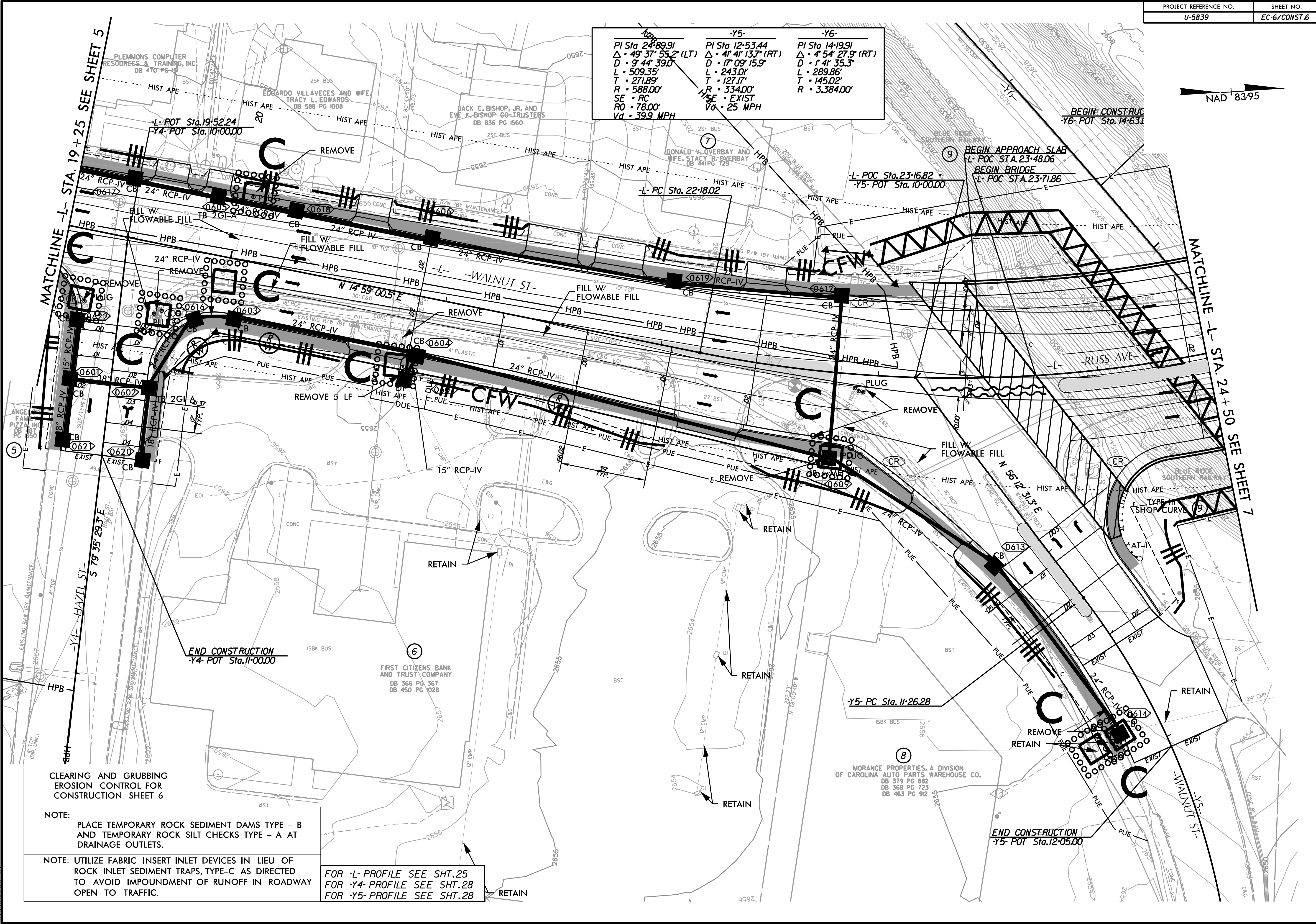
FOR -L- PROFILE SEE SHT.25

MATCHLINE -L- STA. 14 + 50 SEE SHEET 5

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	-Y5-	-Y6-
PI Sta 24+89.91	PI Sta 12+53.44	PI Sta 14+19.91
Δ = 49' 37" 55.2" (LT)	Δ = 41' 41" 13.7" (RT)	Δ = 4' 54" 27.9" (RT)
D = 9' 44" 39.0"	D = 17' 09" 15.9"	D = 1' 41" 35.3"
L = 509.35'	L = 243.01'	L = 289.86'
T = 271.89'	T = 127.17'	T = 145.02'
R = 588.00'	R = 334.00'	R = 3,384.00'
SE = RC	SE = EXIST	
RO = 78.00'	VO = 25 MPH	
Vd = 39.9 MPH		



CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 6

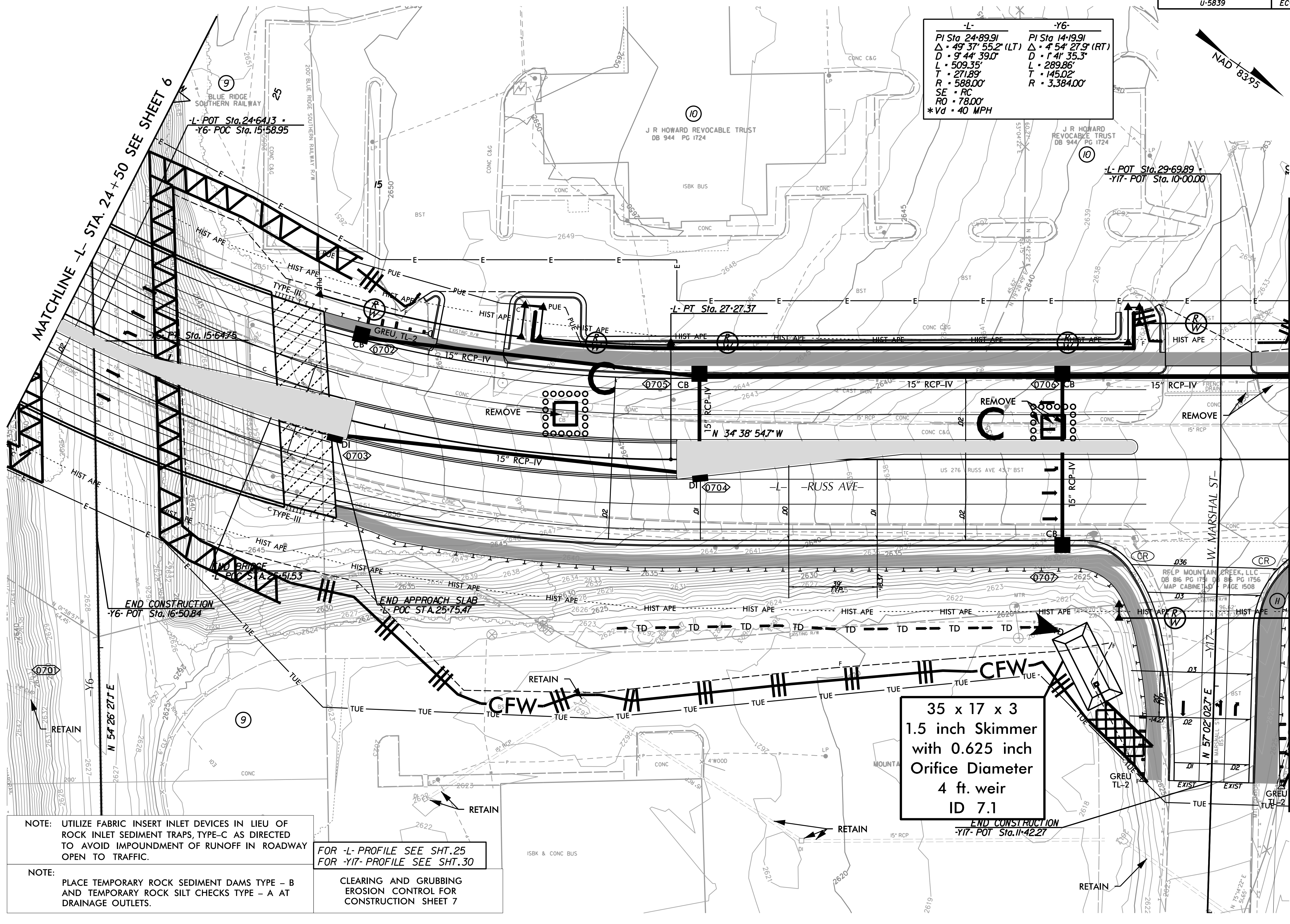
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

NOTE: UTILIZE FABRIC INSERT INLET DEVICES IN LIEU OF
ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED
TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY
OPEN TO TRAFFIC.

FOR -L- PROFILE SEE SHT.25
FOR -Y4- PROFILE SEE SHT.28
FOR -Y5- PROFILE SEE SHT.28

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-L-	-Y6-
PI Sta 24+89.91	PI Sta 14+19.91
Δ · 49° 37' 55.2" (LT)	Δ · 4° 54' 27.9" (RT)
D · 9' 44" 39.0"	D · 1' 41" 35.3"
L · 509.35'	L · 289.86'
T · 271.89'	T · 145.02'
R · 588.00'	R · 3,384.00'
SE · RC	
RO · 78.00'	
*Vd · 40 MPH	



MATCHLINE -L- STA. 24+50 SEE SHEET 6

MATCHLINE -L- STA. 30+00 SEE SHEET 8

END CONSTRUCTION -Y6- POT Sta. 16+50.84

END APPROACH SLAB -L- POC STA. 25+75.47

35 x 17 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
4 ft. weir
ID 7.1

NOTE: UTILIZE FABRIC INSERT INLET DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

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

FOR -L- PROFILE SEE SHT. 25
FOR -Y17- PROFILE SEE SHT. 30

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 7

REVISIONS

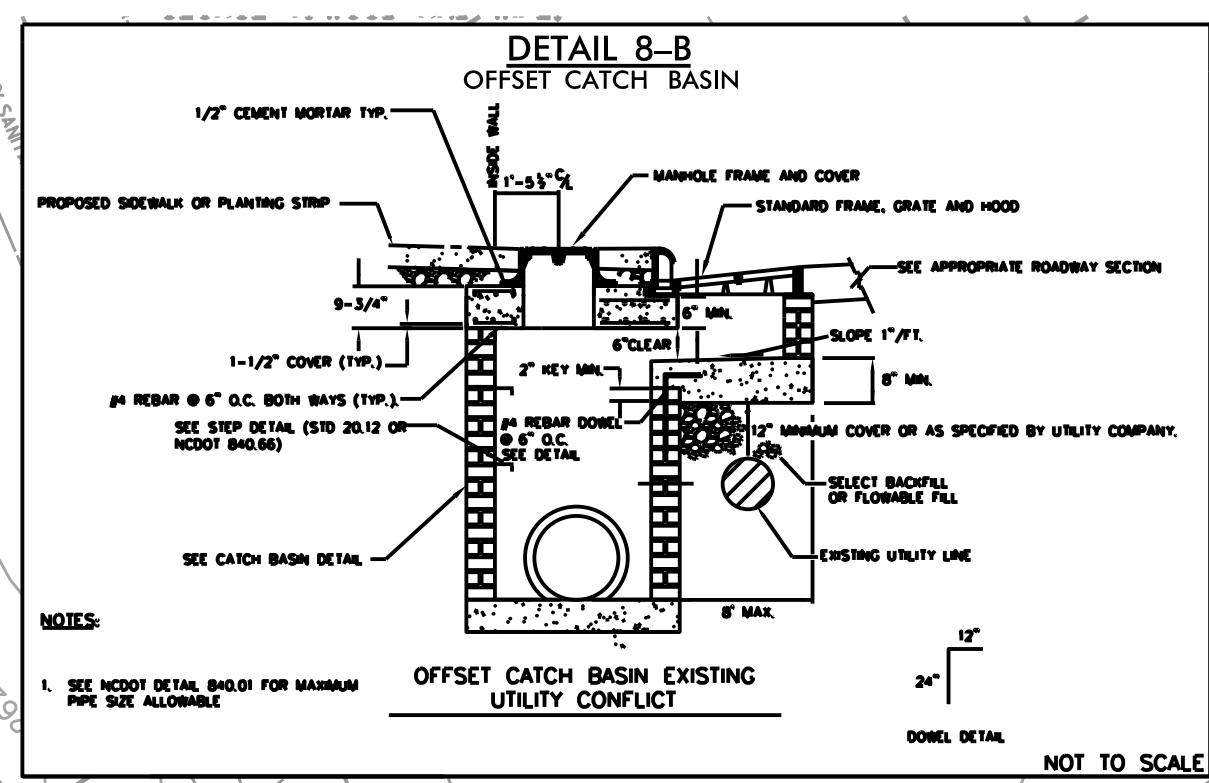
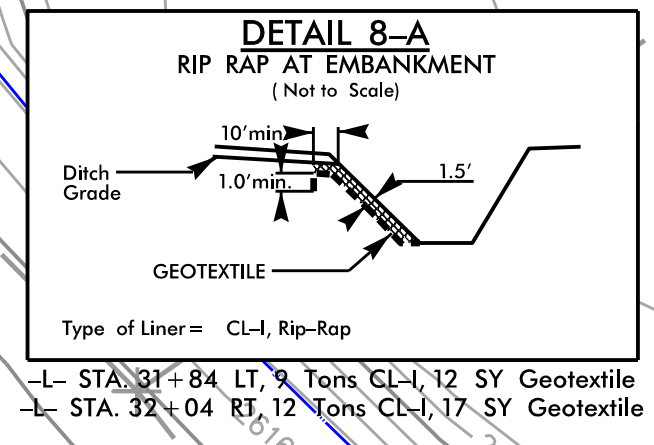
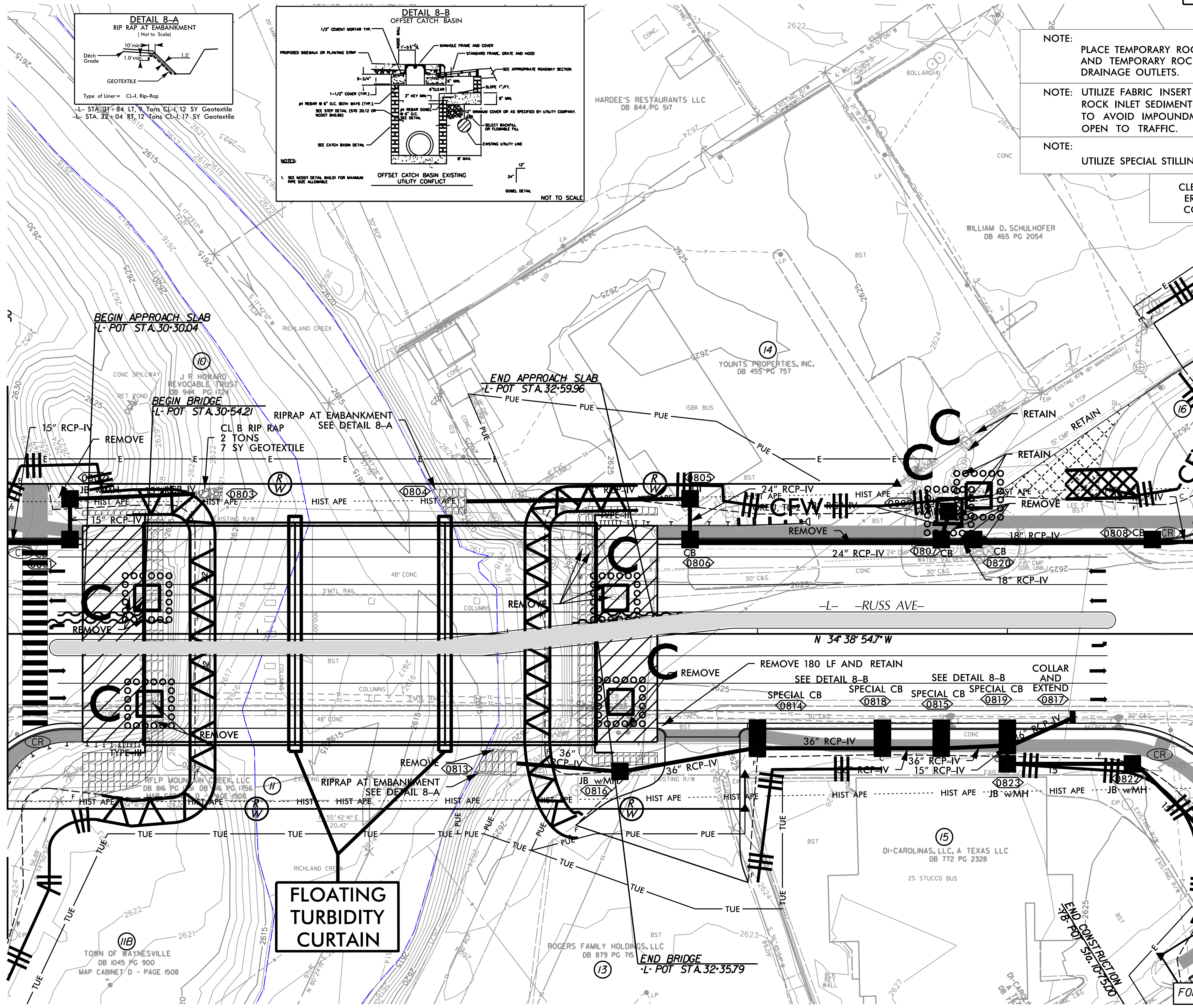
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3/13/2023
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NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

NOTE: UTILIZE FABRIC INSERT INLET DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

NOTE: UTILIZE SPECIAL STILLING BASIN(S) WHERE APPLICABLE.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 8



MATCHLINE -L- STA. 30+00 SEE SHEET 7

MATCHLINE -L- STA. 34+75 SEE SHEET 9

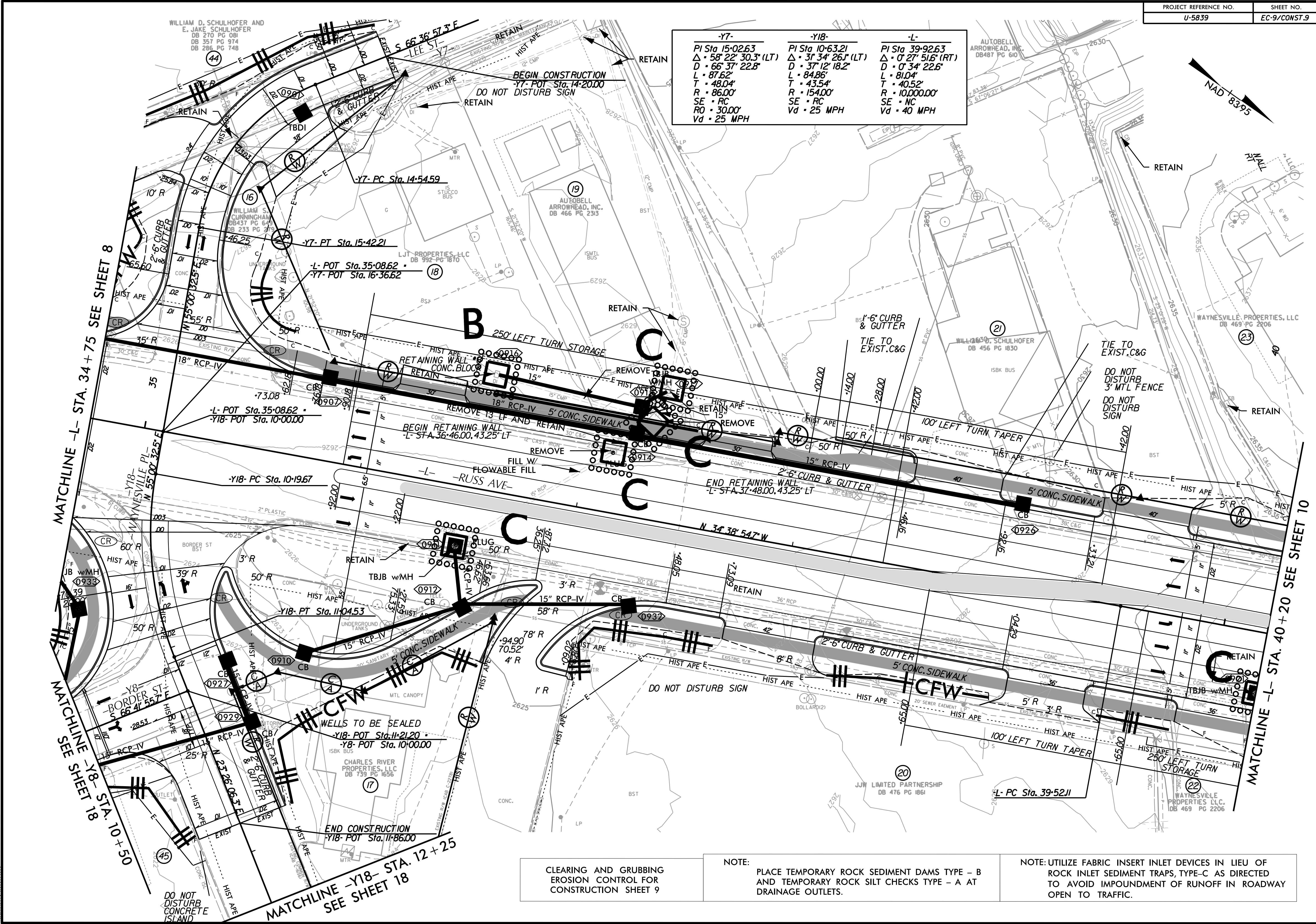
FLOATING TURBIDITY CURTAIN

FOR -L- PROFILE SEE SHT.25

REVISIONS

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8/17/99

-Y7-	-Y18-	-L-
PI Sta 15+02.63	PI Sta 10+63.21	PI Sta 39+92.63
$\Delta \cdot 58^{\circ} 22' 30.3" (LT)$	$\Delta \cdot 31^{\circ} 34' 26.1" (LT)$	$\Delta \cdot 0^{\circ} 27' 51.6" (RT)$
D · 66' 37" 22.8"	D · 37' 12" 18.2"	D · 0' 34" 22.6"
L · 87.62'	L · 84.86'	L · 81.04'
T · 48.04'	T · 43.54'	T · 40.52'
R · 86.00'	R · 154.00'	R · 10,000.00'
SE · RC	SE · RC	SE · NC
RO · 30.00'	Vd · 25 MPH	Vd · 40 MPH



CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 9

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

NOTE: UTILIZE FABRIC INSERT INLET DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

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 WILLIAM D. SCHULHOFER AND E. JAKE SCHULHOFER DB 270 PG 081 DB 351 PG 974 DB 286 PG 748
 WILLIAM S. CLUNNINGHAM DB 437 PG 624 DB 233 PG 275
 LJT PROPERTIES LLC DB 992 PG 1870
 AUTOBELL ARROWHEAD, INC. DB 466 PG 2313
 WILLIAM D. SCHULHOFER DB 456 PG 1830
 CHARLES RIVER PROPERTIES, LLC DB 739 PG 1656
 JYW LIMITED PARTNERSHIP DB 476 PG 1861
 WAYNESVILLE PROPERTIES, LLC DB 469 PG 2206

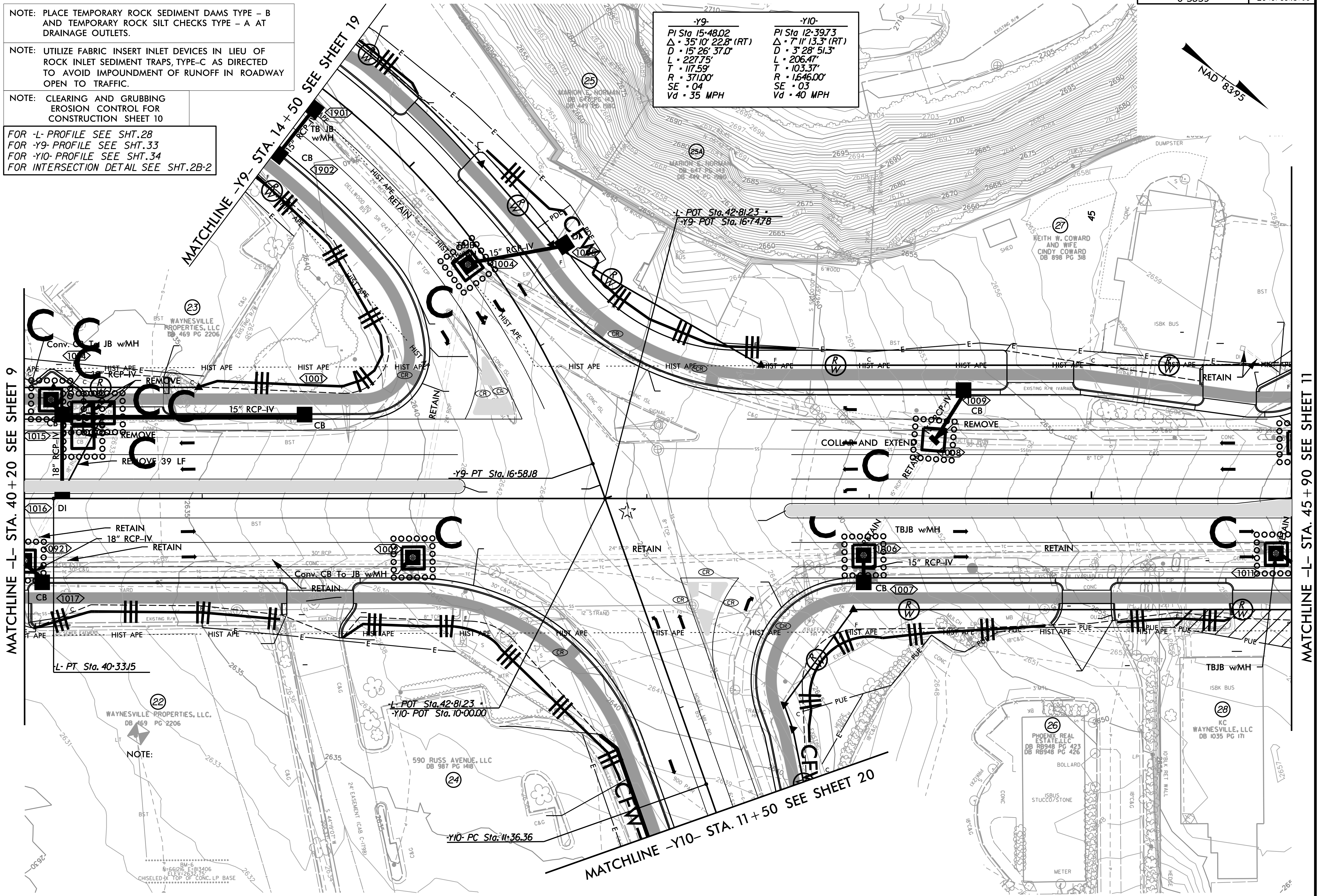
NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

NOTE: UTILIZE FABRIC INSERT INLET DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

NOTE: CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 10

FOR -L- PROFILE SEE SHT.28
 FOR -Y9- PROFILE SEE SHT.33
 FOR -Y10- PROFILE SEE SHT.34
 FOR INTERSECTION DETAIL SEE SHT.2B-2

-Y9-	-Y10-
PI Sta 15+48.02	PI Sta 12+39.73
$\Delta \cdot 35' 10" 22.8" (RT)$	$\Delta \cdot 7' 11" 13.3" (RT)$
D · 15' 26' 37.0"	D · 3' 28' 51.3"
L · 227.75'	L · 206.47'
T · 117.59'	T · 103.37'
R · 371.00'	R · 1646.00'
SE · 04	SE · 03
Vd · 35 MPH	Vd · 40 MPH



8/17/199

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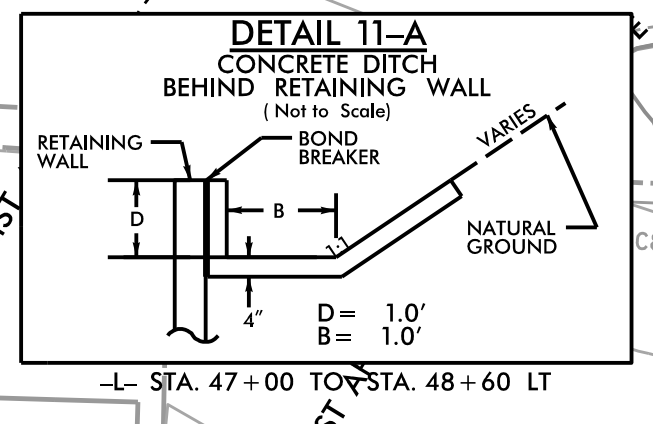
N=661216 E=813406
 EL=2632.75
 CHISELED TOP OF CONC. LP BASE

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

NOTE: UTILIZE FABRIC INSERT INLET DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 11

-Y12-
 PI Sta 11+71.44
 $\Delta = 130^{\circ} 24' 28.0''$ (RT)
 $D = 112' 20' 40.8''$
 $L = 116.08'$
 $T = 110.39'$
 $R = 51.00'$
 SE - EXIST



MATCHLINE -L- STA. 45+90 SEE SHEET 10

MATCHLINE -L- STA. 51+50 SEE SHEET 12

FOR -L- PROFILE SEE SHT.26
 FOR -Y11- PROFILE SEE SHT.29
 FOR -Y13- PROFILE SEE SHT.29

MATCHLINE -Y13-
 STA. 11+40 SEE SHEET 21

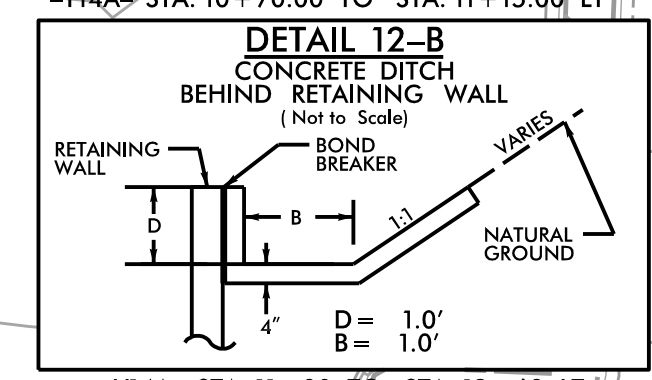
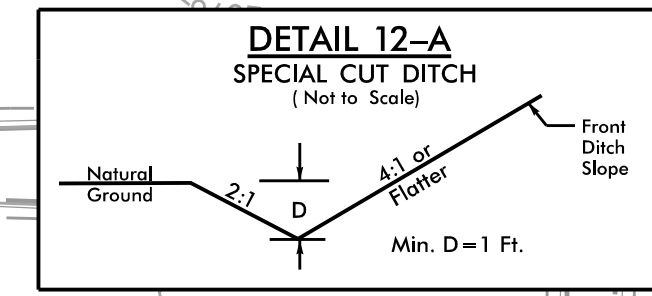
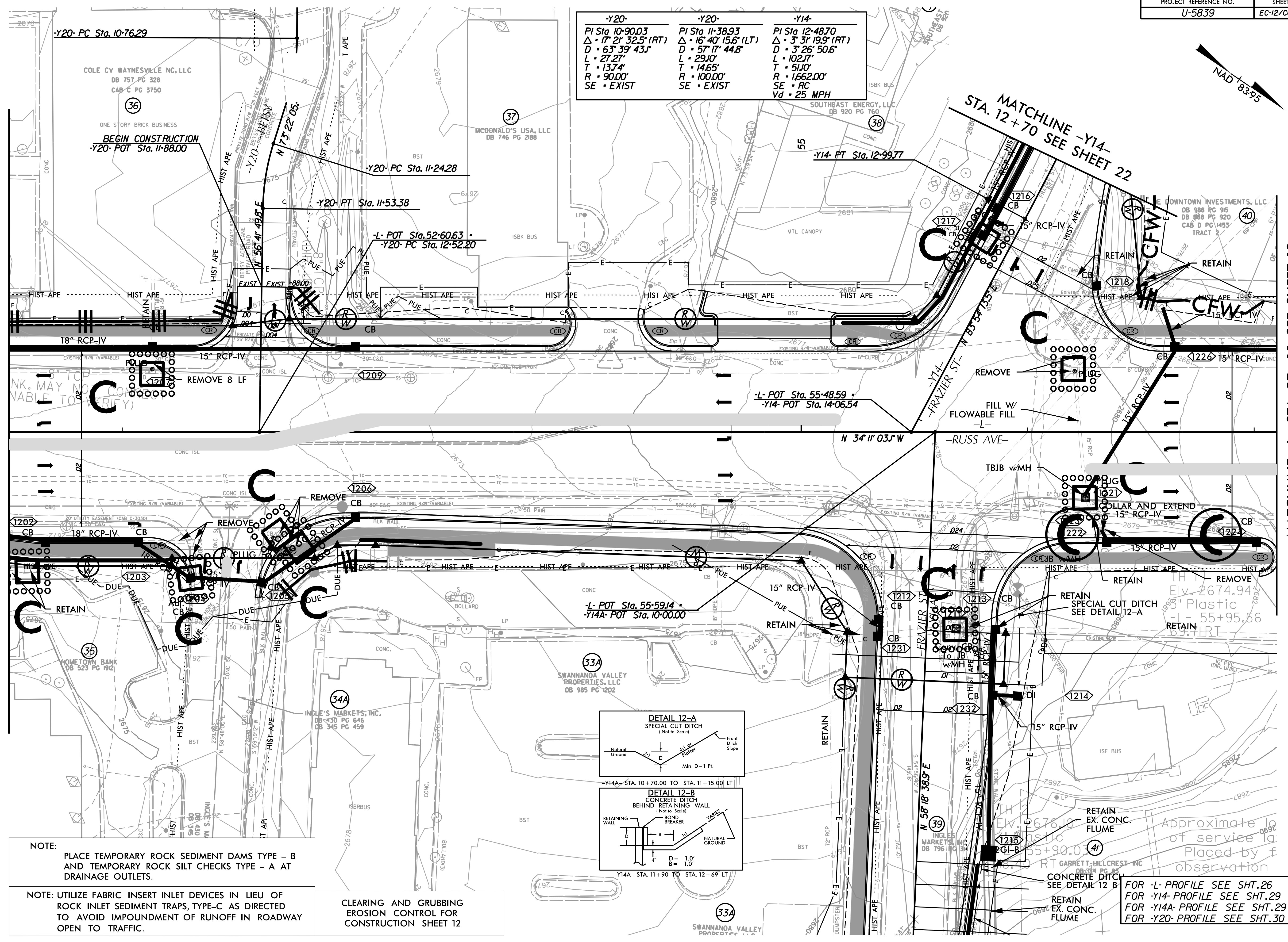
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 8/17/99
 REVISIONS



-Y20-	-Y20-	-Y14-
PI Sta 10-90.03	PI Sta 11-38.93	PI Sta 12-48.70
Δ · 17° 21' 32.5" (RT)	Δ · 16° 40' 15.6" (LT)	Δ · 3° 31' 19.9" (RT)
D · 63' 39" 43.1"	D · 57' 17" 44.8"	D · 3' 26' 50.6"
L · 27.27'	L · 29.10'	L · 102.17'
T · 13.74'	T · 14.65'	T · 5.110'
R · 90.00°	R · 100.00°	R · 166.200°
SE · EXIST	SE · EXIST	SE · RC
		Vd · 25 MPH

MATCHLINE -L- STA. 51 + 50 SEE SHEET 11

MATCHLINE -L- STA. 57 + 10 SEE SHEET 13



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

NOTE: UTILIZE FABRIC INSERT INLET DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

CLEARING AND GRUBBING
EROSION CONTROL FOR CONSTRUCTION SHEET 12

FOR -L- PROFILE SEE SHT.26
FOR -Y14- PROFILE SEE SHT.29
FOR -Y20- PROFILE SEE SHT.30

REVISIONS

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-L-	-L-	-Y15-
PI Sta 59+24.91	PI Sta 65+53.32	PI Sta 11+58.16
Δ = 4' 37" 18.8' (RT)	Δ = 3' 06" 29.0' (RT)	Δ = 4' 46" 28.0' (LT)
D = 1' 07" 45.1'	D = 4' 01" 04.6"	D = 7' 58" 47.7"
L = 409.31'	L = 824.01'	L = 59.83'
T = 204.76'	T = 423.86'	T = 29.93'
R = 5,074.00'	R = 1,426.00'	R = 718.00'
SE = NC	SE = 05	SE = EXIST
Vd = 40 MPH	Vd = 40 MPH	Vd = 25 MPH

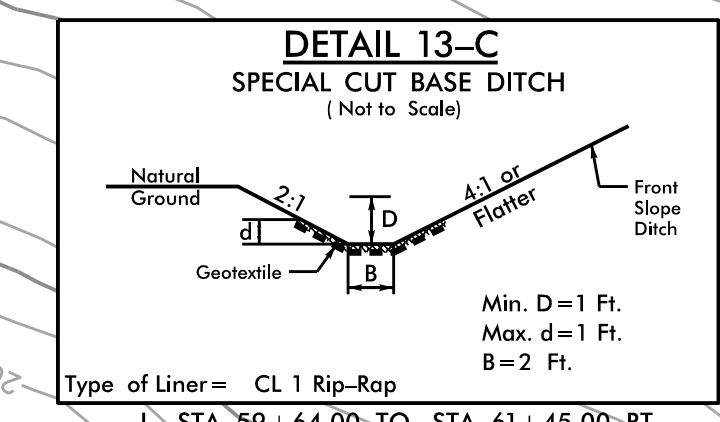
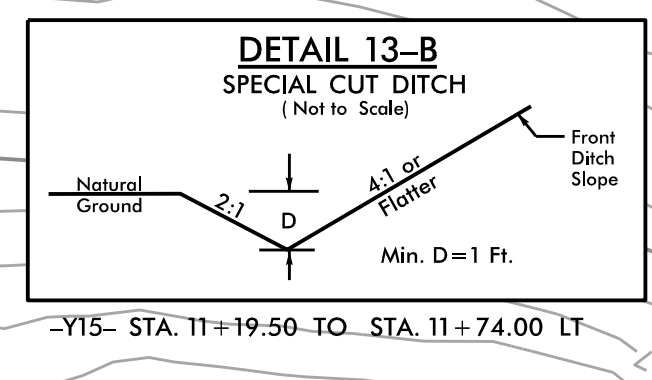
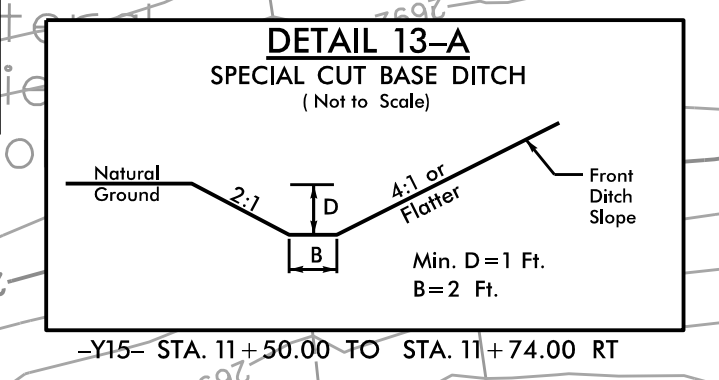
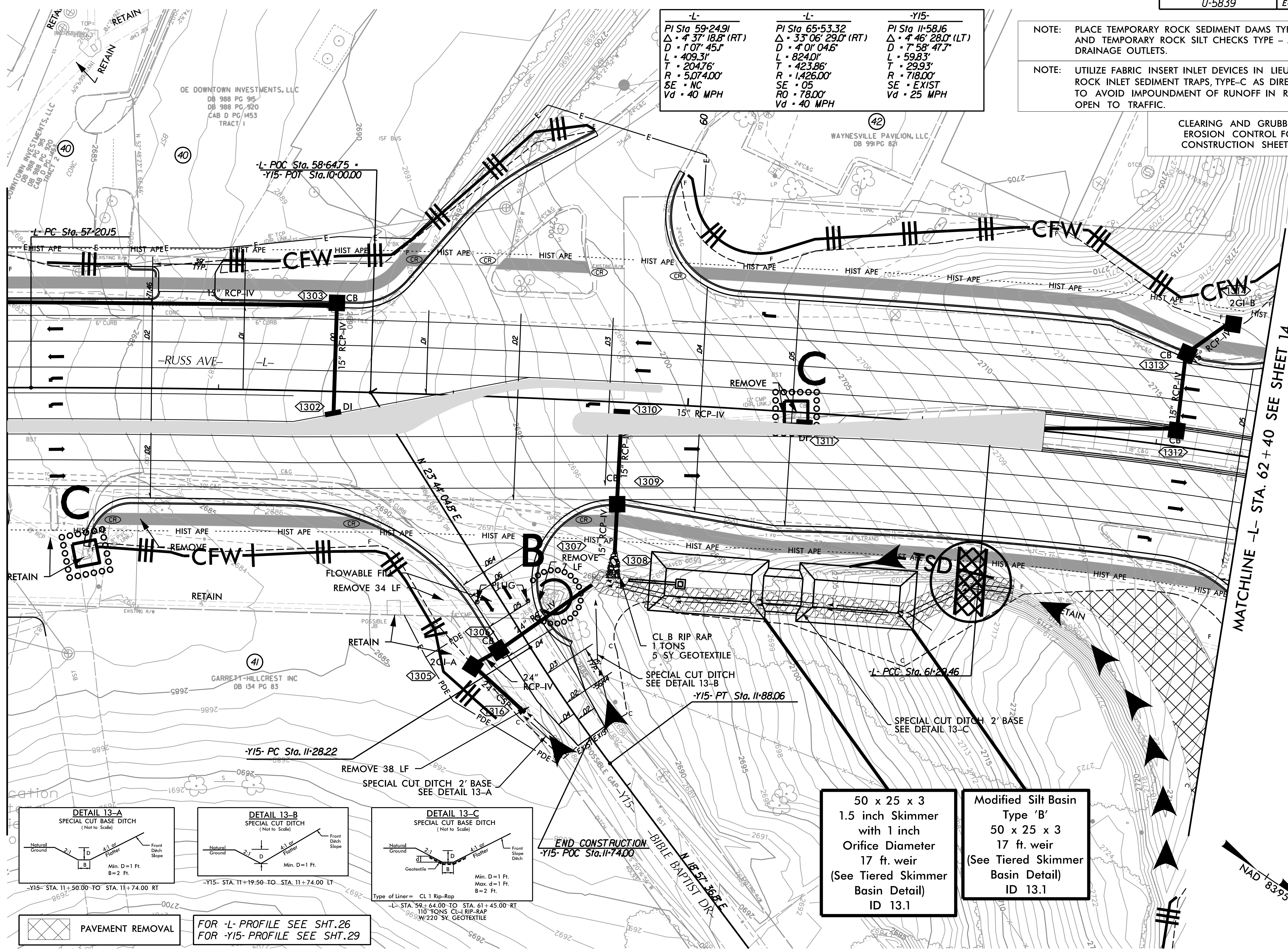
NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

NOTE: UTILIZE FABRIC INSERT INLET DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 13

MATCHLINE -L- STA. 57+10 SEE SHEET 12

MATCHLINE -L- STA. 62+40 SEE SHEET 14



50 x 25 x 3
1.5 inch Skimmer
with 1 inch
Orifice Diameter
17 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 13.1

Modified Silt Basin
Type 'B'
50 x 25 x 3
17 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 13.1

PAVEMENT REMOVAL

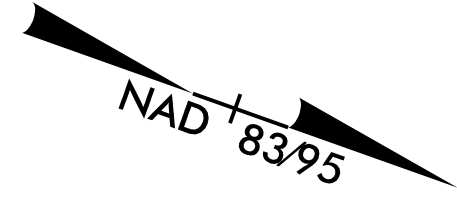
FOR -L- PROFILE SEE SHT.26
FOR -Y15- PROFILE SEE SHT.29

END CONSTRUCTION
-Y15- POC Sta. 11+74.00

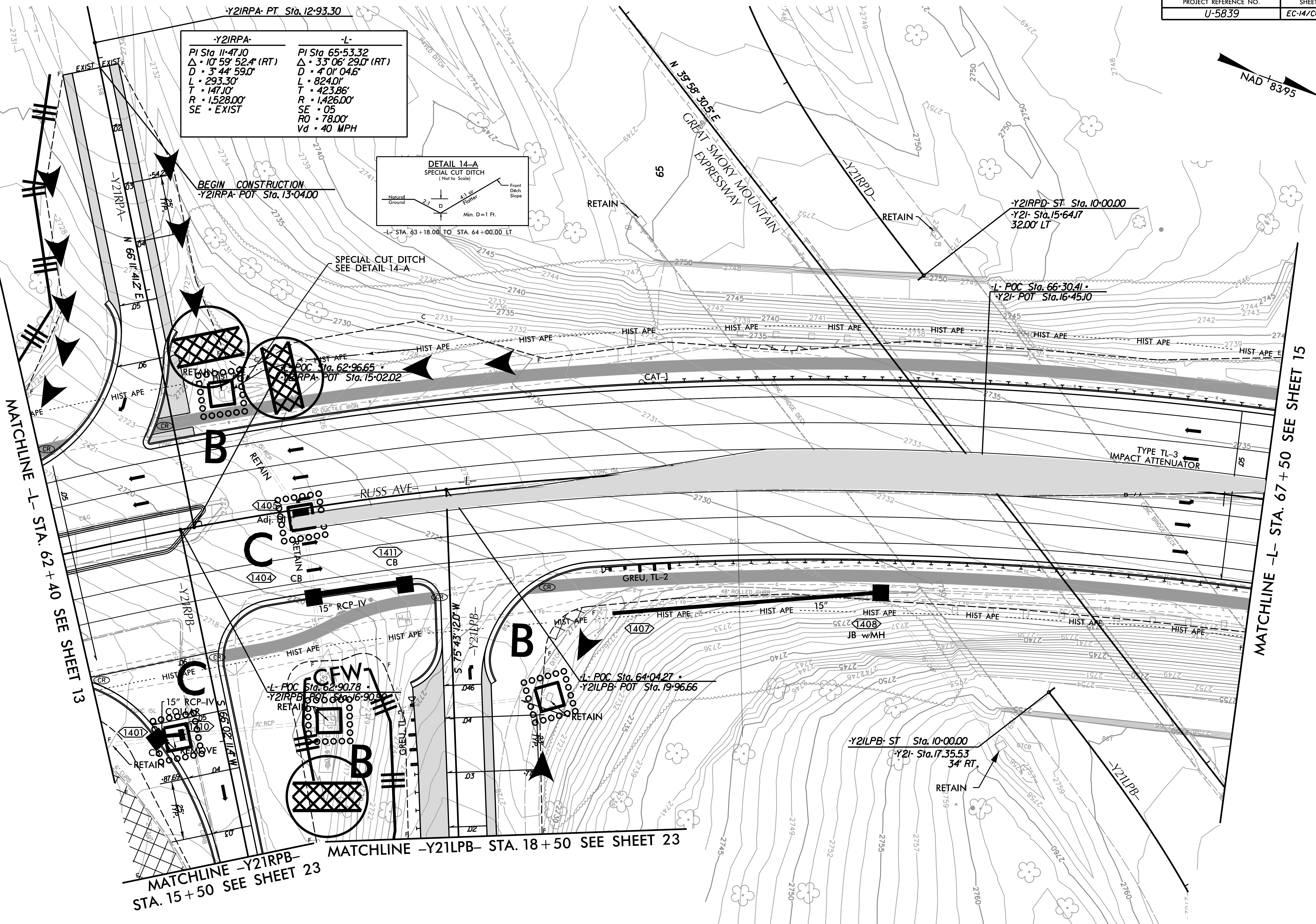
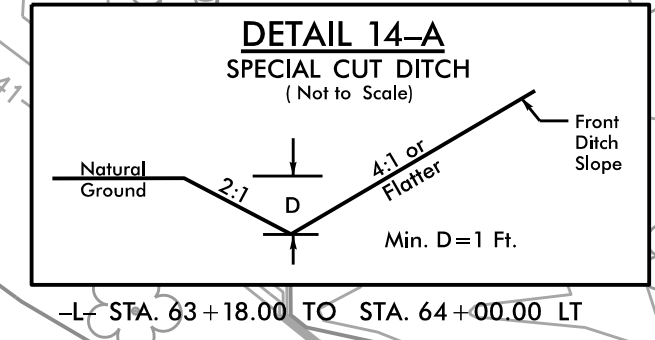


REVISIONS

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-Y2IRPA-	-L-
PI Sta 11+47.10	PI Sta 65+53.32
Δ = 10° 59' 52.4" (RT)	Δ = 33° 06' 29.0" (RT)
D = 3' 44' 59.0"	D = 4' 01' 04.5"
L = 293.30'	L = 824.01'
T = 147.10'	T = 423.86'
R = 1,528.00'	R = 1,426.00'
SE = EXIST	SE = 05
	RO = 78.00'
	Vd = 40 MPH



MATCHLINE -L- STA. 62 + 40 SEE SHEET 13

MATCHLINE -L- STA. 67 + 50 SEE SHEET 15

MATCHLINE -Y2IRPB- STA. 15 + 50 SEE SHEET 23

MATCHLINE -Y2ILPB- STA. 18 + 50 SEE SHEET 23



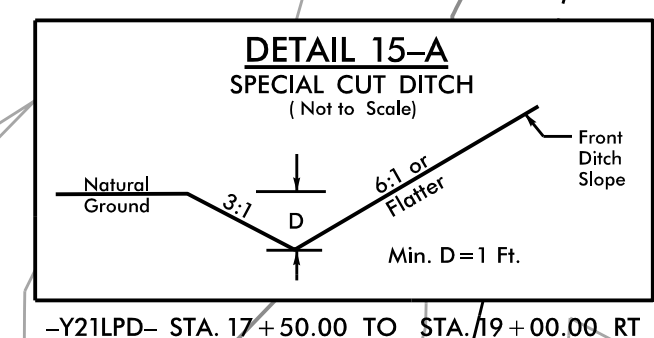
FOR -L- PROFILE SEE SHT.26-27
 FOR -Y2IRPA- PROFILE SEE SHT.30
 FOR -Y2IRPB- PROFILE SEE SHT.30
 FOR -Y2ILPB- PROFILE SEE SHT.31

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

NOTE: UTILIZE FABRIC INSERT INLET DEVICES IN LIEU OF
 ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED
 TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY
 OPEN TO TRAFFIC.

CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 14

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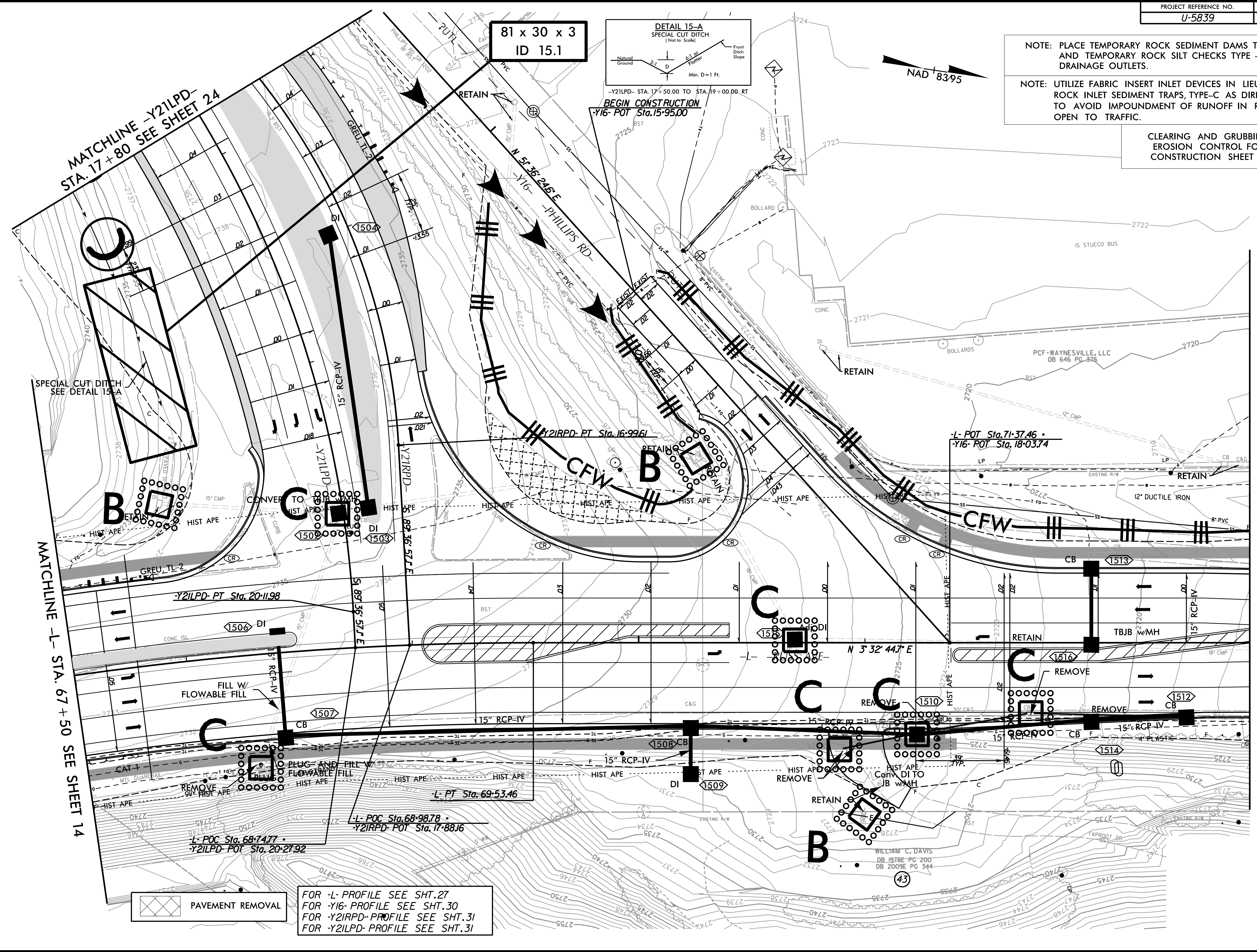


NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

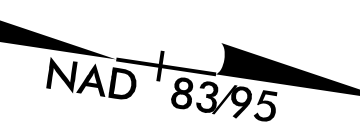
NOTE: UTILIZE FABRIC INSERT INLET DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 15

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81 x 30 x 3
ID 15.1



MATCHLINE -Y21LPD-
STA. 17+80 SEE SHEET 24

MATCHLINE -L- STA. 67+50 SEE SHEET 14

MATCHLINE -L- STA. 72+70 SEE SHEET 16

PAVEMENT REMOVAL

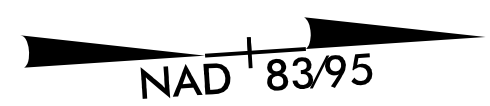
FOR -L- PROFILE SEE SHT.27
FOR -Y16- PROFILE SEE SHT.30
FOR -Y21RPD- PROFILE SEE SHT.31
FOR -Y21LPD- PROFILE SEE SHT.31

WILLIAM C. DAVIS
DB 1978E PG 200
DB 2009E PG 344

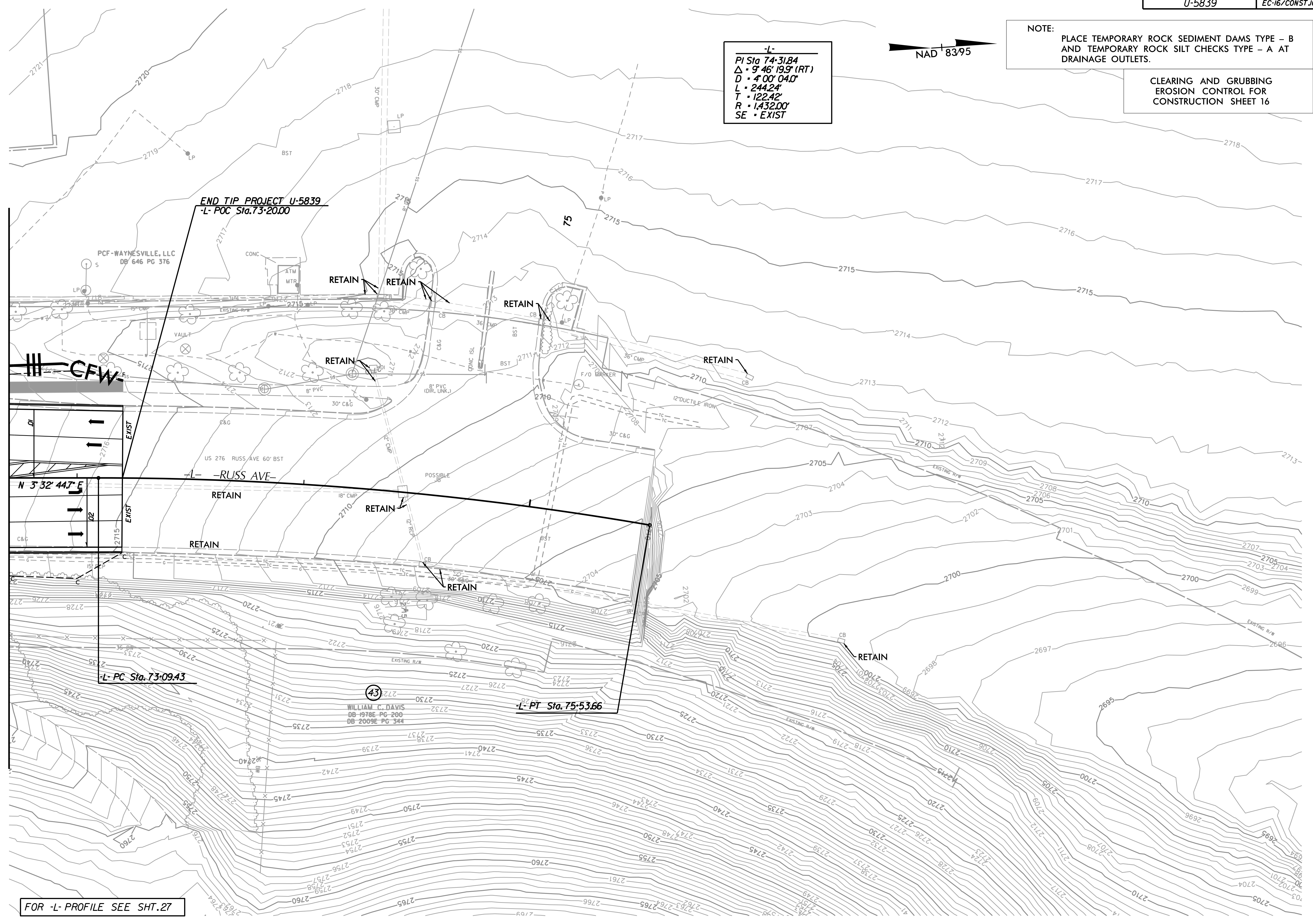
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 16

-L-
PI Sta 74+31.84
Δ · 9° 46' 19.9" (RT)
D · 4' 00" 04.0"
L · 244.24'
T · 122.42'
R · 1432.00'
SE · EXIST



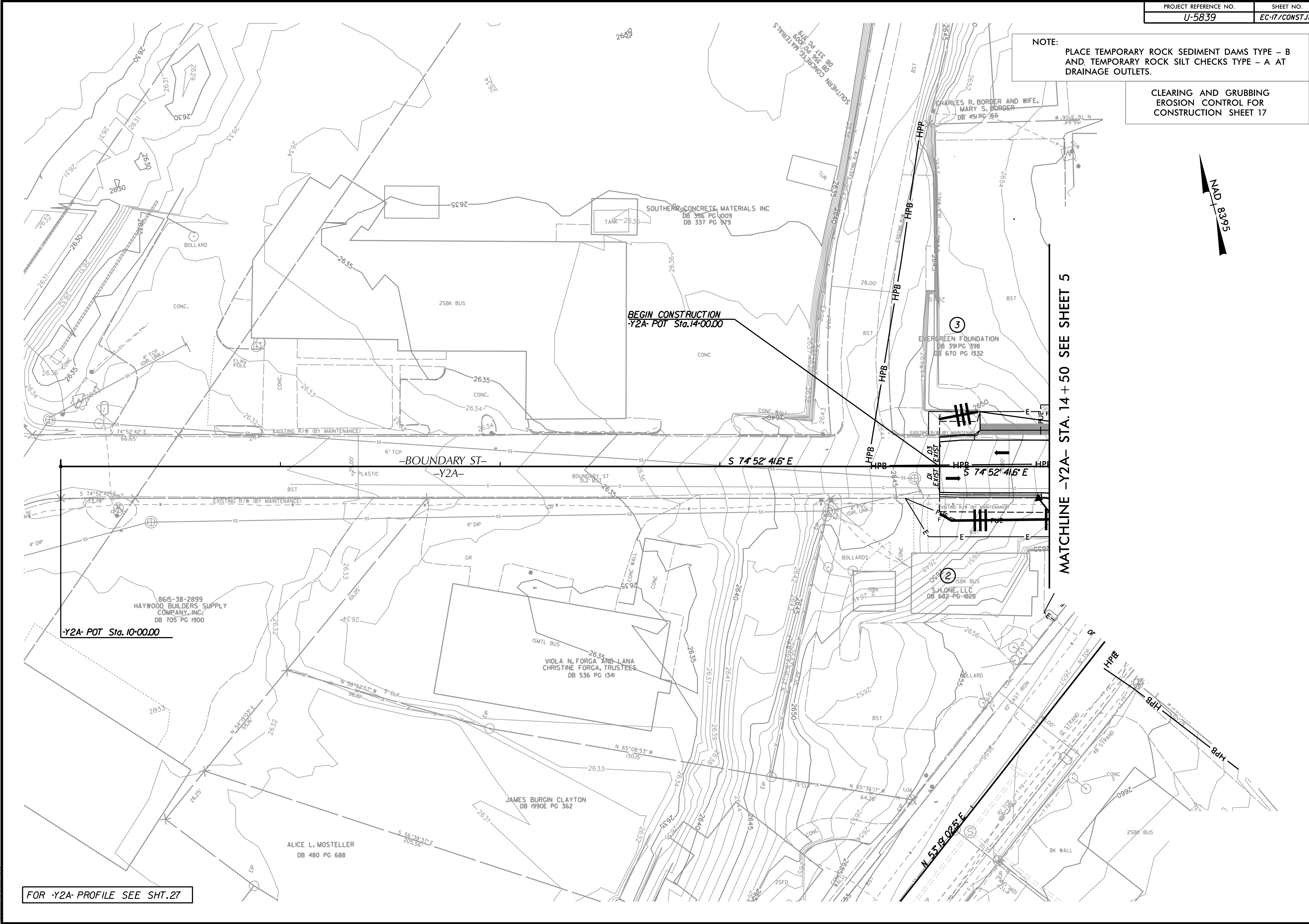
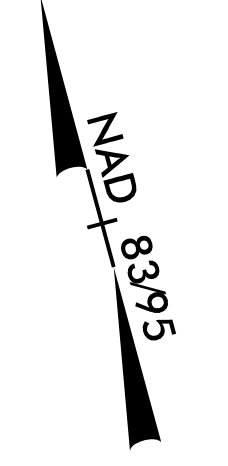
MATCHLINE -L- STA. 72 + 70 SEE SHEET 15



FOR -L- PROFILE SEE SHT. 27

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 17



BEGIN CONSTRUCTION
-Y2A- POT Sta. 14+00.00

-Y2A- POT Sta. 10+00.00

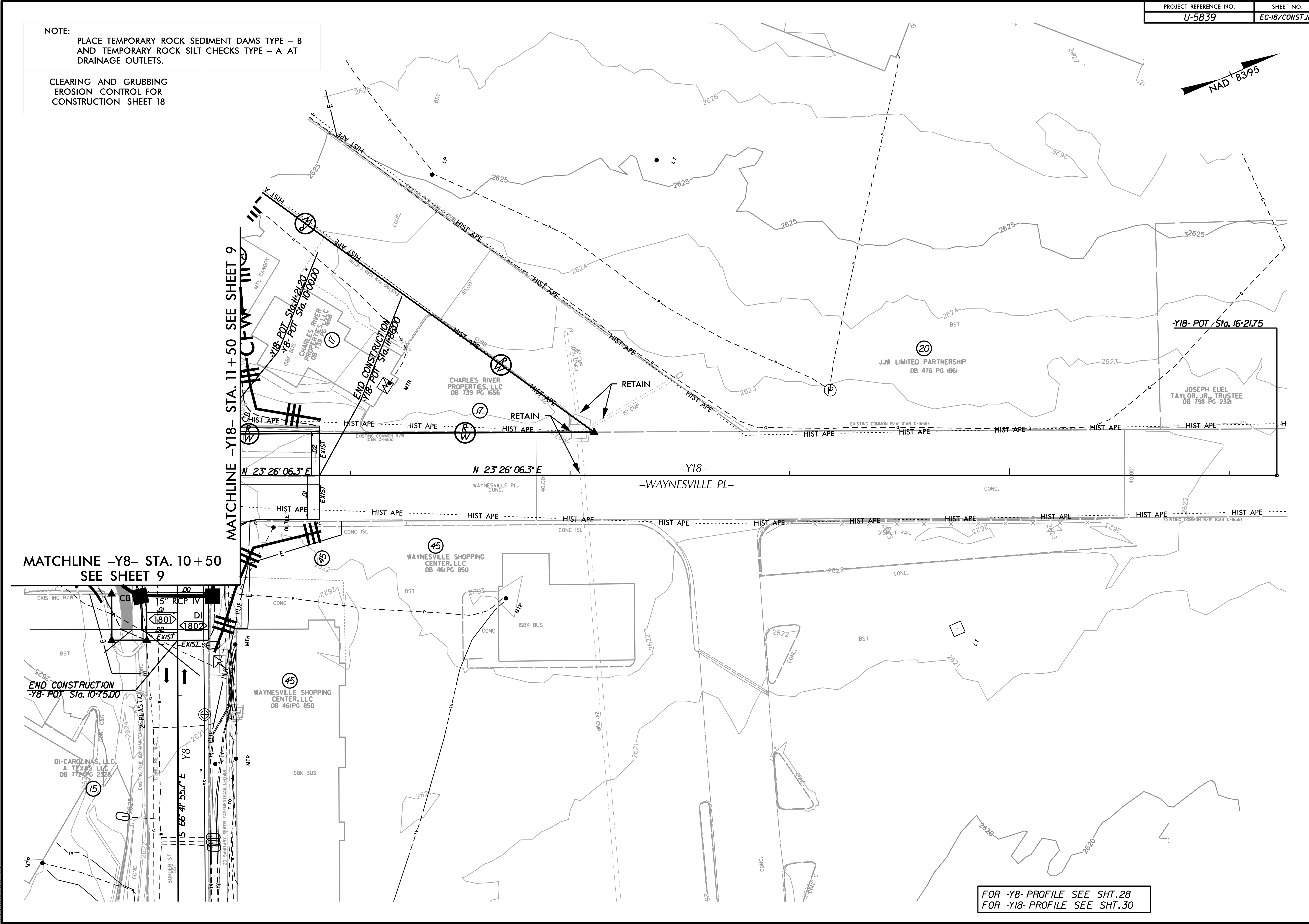
MATCHLINE -Y2A- STA. 14 + 50 SEE SHEET 5

FOR -Y2A- PROFILE SEE SHT. 27

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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 18



MATCHLINE -Y8- STA. 10+50
SEE SHEET 9

MATCHLINE -Y18- STA. 11+50 SEE SHEET 9

END CONSTRUCTION
-Y8- POT Sta. 10+75.00

END CONSTRUCTION
-Y18- POT Sta. 11+85.00

-Y18- POT Sta. 16+21.75

FOR -Y8- PROFILE SEE SHT.28
FOR -Y18- PROFILE SEE SHT.30

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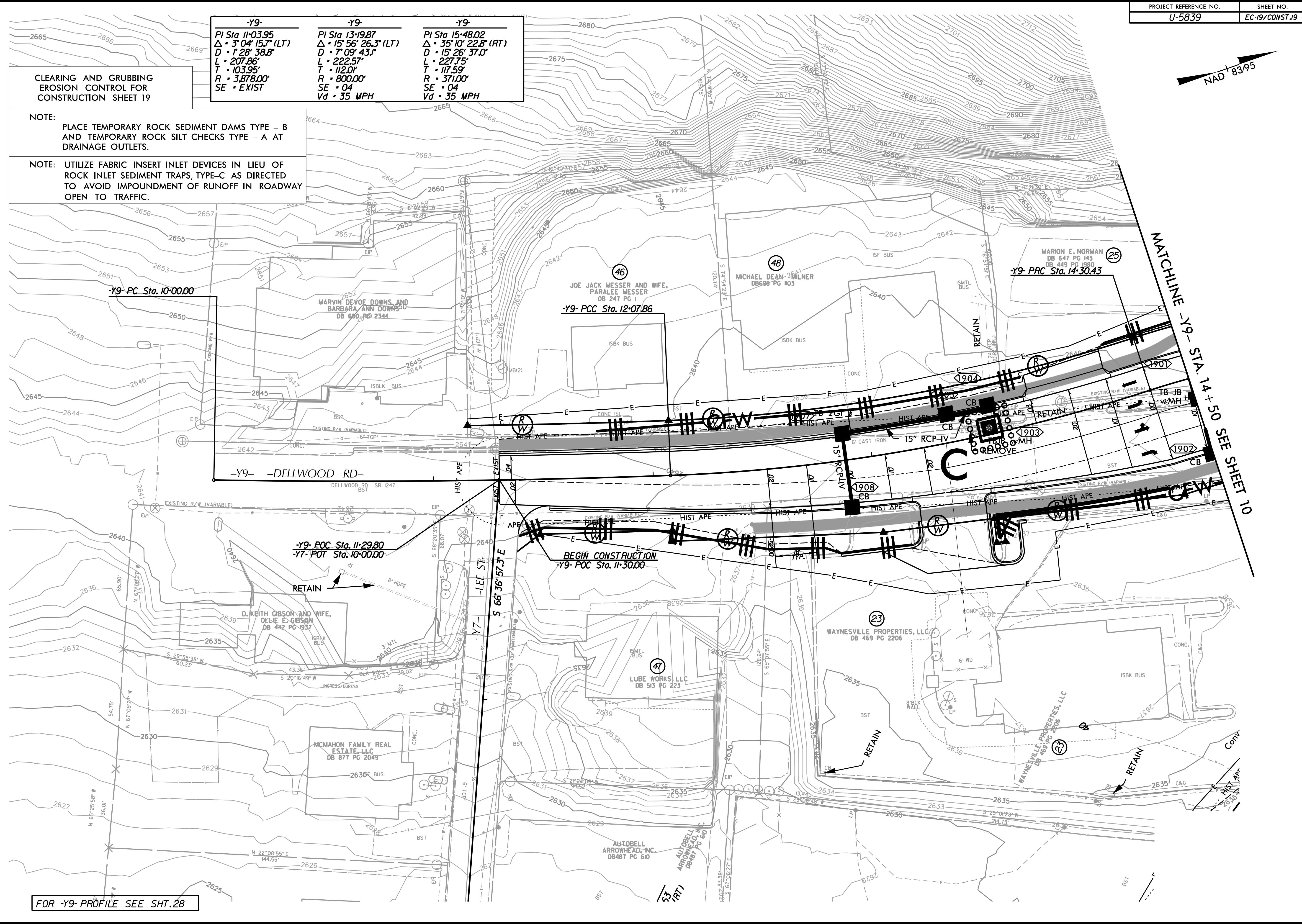


-Y9-	-Y9-	-Y9-
PI Sta 11+03.95	PI Sta 13+19.87	PI Sta 15+48.02
$\Delta \cdot 3^{\circ} 04' 15.7" (LT)$	$\Delta \cdot 15^{\circ} 56' 26.3" (LT)$	$\Delta \cdot 35^{\circ} 10' 22.8" (RT)$
D · 1' 28" 38.8"	D · 7' 09" 43.1"	D · 15' 26' 37.0"
L · 207.86'	L · 222.57'	L · 227.75'
T · 103.95'	T · 112.01'	T · 117.59'
R · 3.878.00'	R · 800.00'	R · 371.00'
SE · EXIST	SE · 04	SE · 04
	Vd · 35 MPH	Vd · 35 MPH

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 19

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

NOTE: UTILIZE FABRIC INSERT INLET DEVICES IN LIEU OF
ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED
TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY
OPEN TO TRAFFIC.

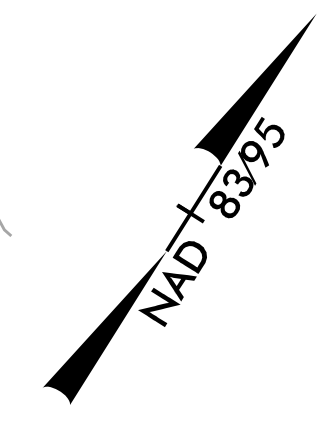


FOR -Y9- PROFILE SEE SHT. 28

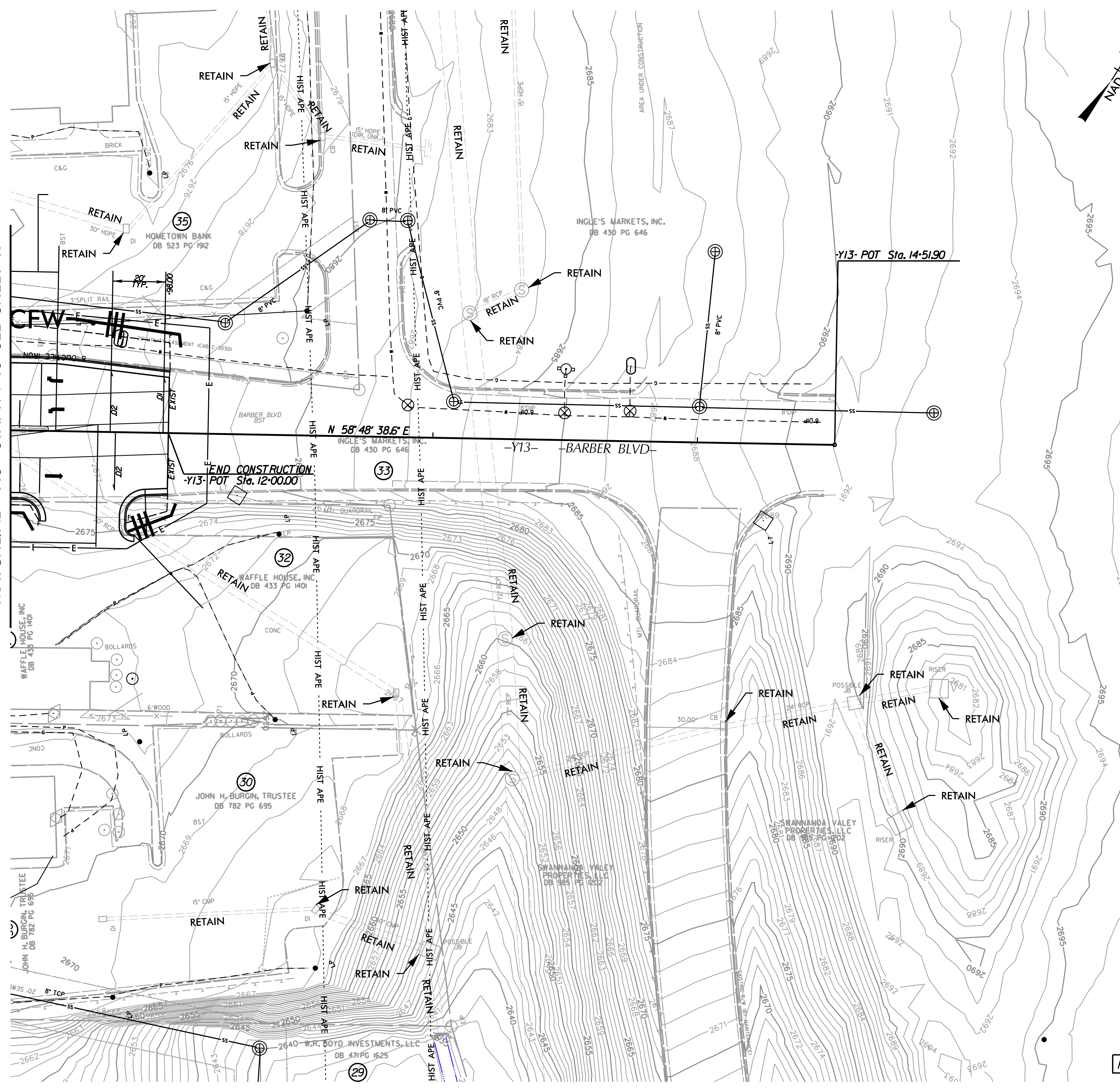
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NOTE:
 PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
 AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
 DRAINAGE OUTLETS.

CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 21



MATCHLINE -Y13- STA. 11+40 SEE SHEET 11



FOR -Y13-PROFILE SEE SHT.29

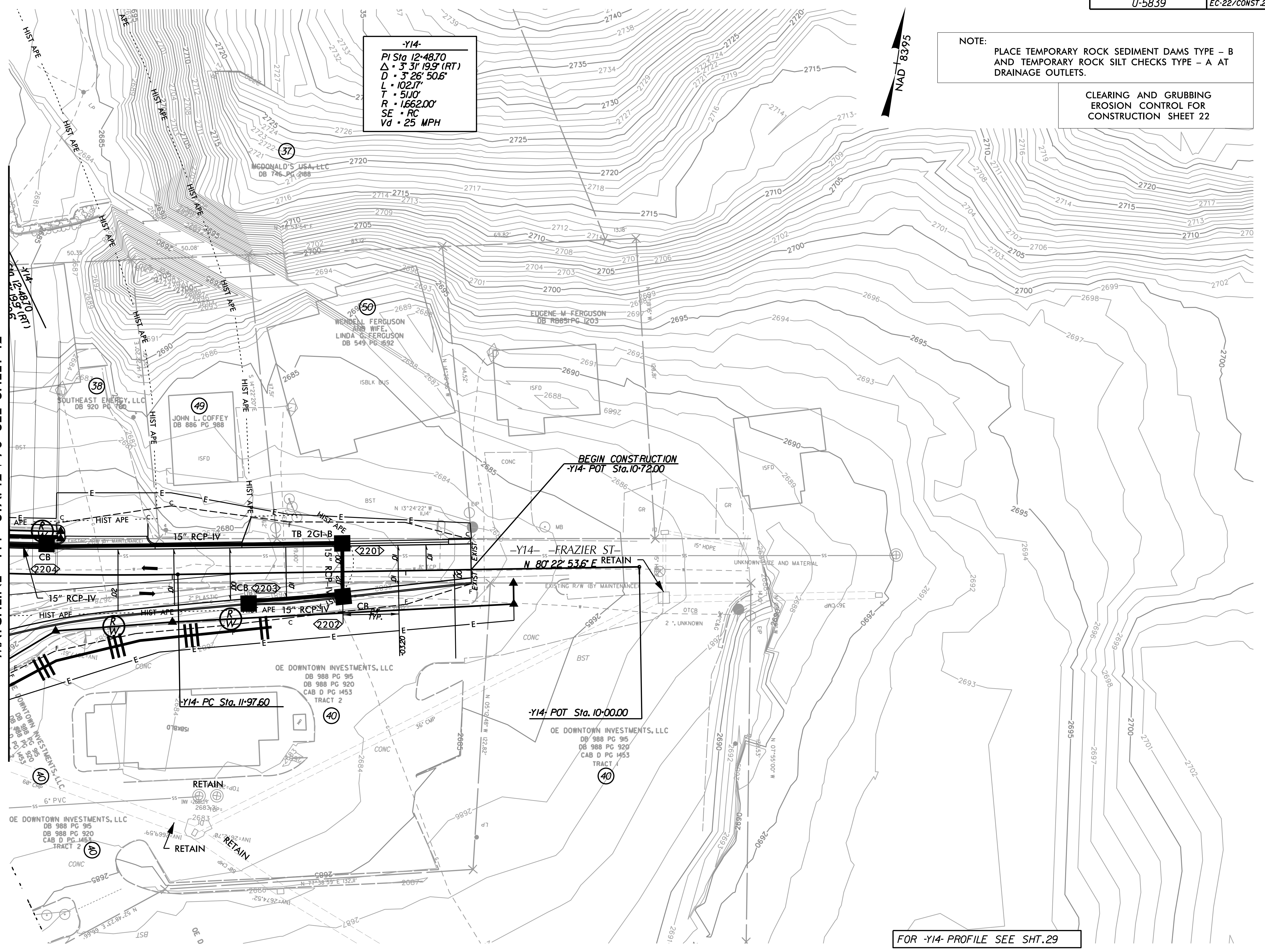
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 22

NAD 8395

-Y14-
PI Sta 12+48.70
Δ • 3° 31' 19.9" (RT)
D • 3' 26' 50.6"
L • 102.17'
T • 51.0'
R • 1662.00'
SE • RC
Vd • 25 MPH

MATCHLINE -Y14- STA. 12 + 70 SEE SHEET 12

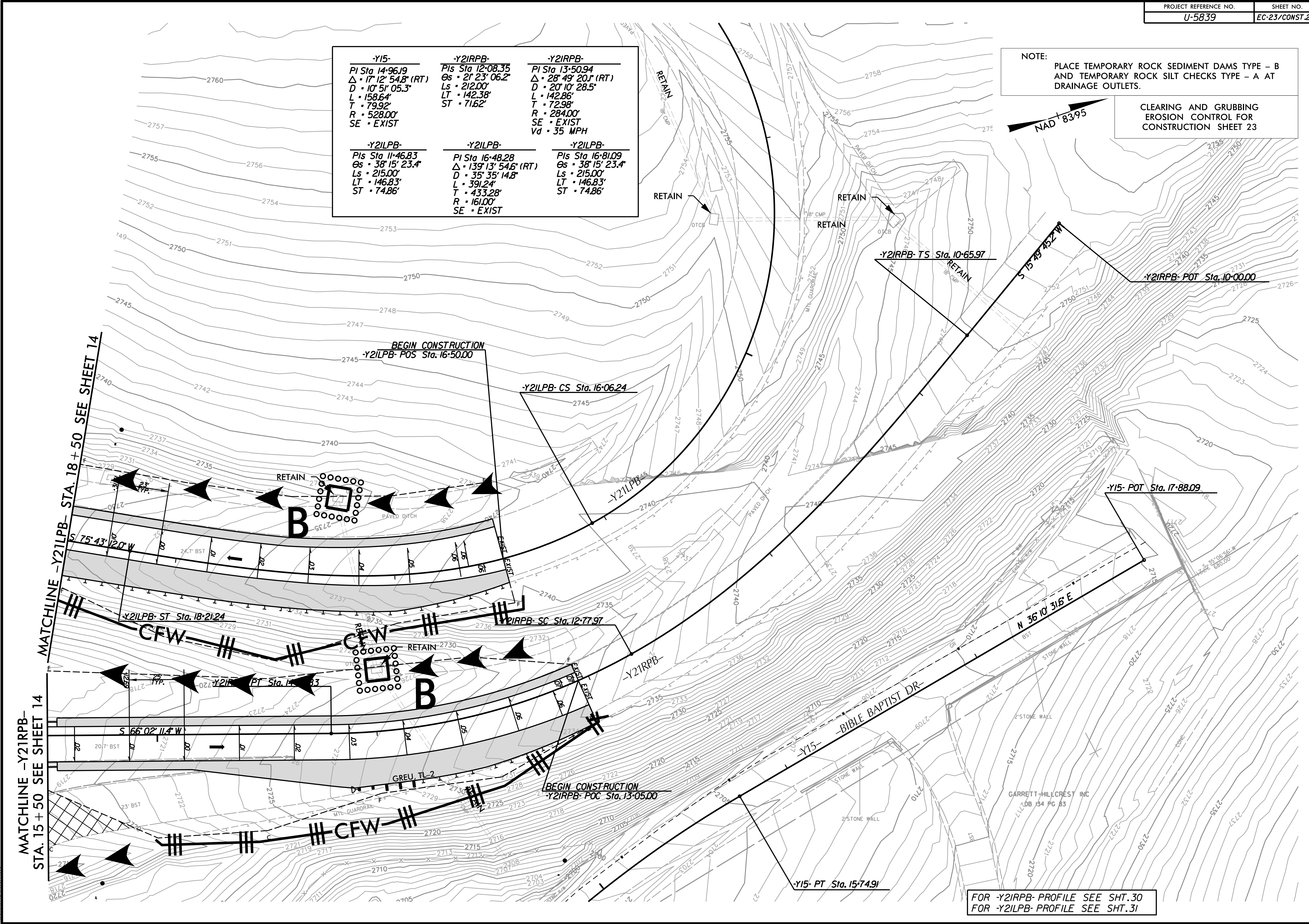
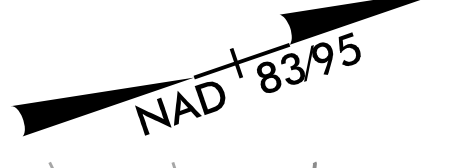


FOR -Y14- PROFILE SEE SHT.29

<p>-Y15- PI Sta 14+96.19 Δ • 17° 12' 54.8" (RT) D • 10° 51' 05.3" L • 158.64' T • 79.92' R • 528.00' SE • EXIST</p>	<p>-Y2IRPB- PI Sta 12+08.35 Θs • 21° 23' 06.2" Ls • 212.00' LT • 142.38' ST • 71.62'</p>	<p>-Y2IRPB- PI Sta 13+50.94 Δ • 28° 49' 20.1" (RT) D • 20° 10' 28.5" L • 142.86' T • 72.98' R • 284.00' SE • EXIST Vd • 35 MPH</p>
<p>-Y2ILPB- PI Sta 11+46.83 Θs • 38° 15' 23.4" Ls • 215.00' LT • 146.83' ST • 74.86'</p>	<p>-Y2ILPB- PI Sta 16+48.28 Δ • 139° 13' 54.6" (RT) D • 35° 35' 14.8" L • 391.24' T • 433.28' R • 161.00' SE • EXIST</p>	<p>-Y2ILPB- PI Sta 16+81.09 Θs • 38° 15' 23.4" Ls • 215.00' LT • 146.83' ST • 74.86'</p>

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 23



MATCHLINE -Y2IRPB- STA. 15+50 SEE SHEET 14

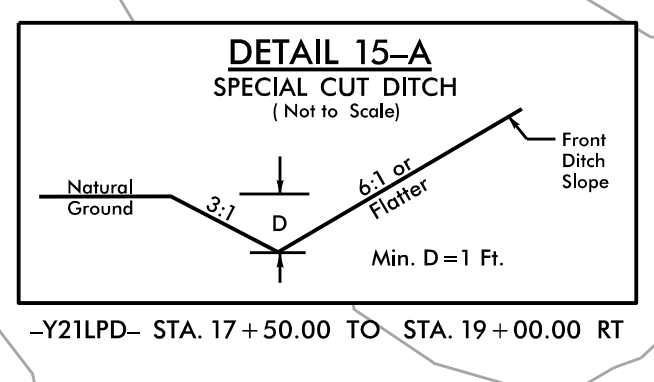
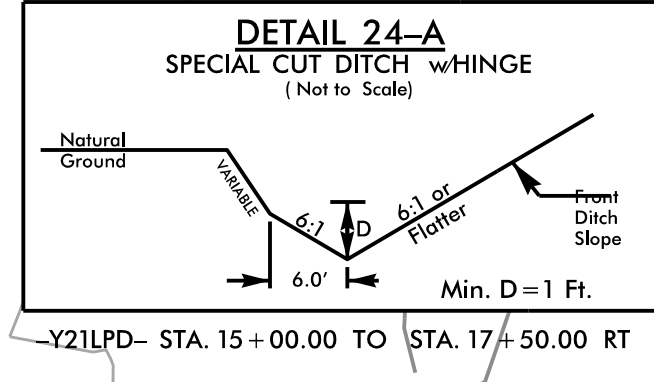
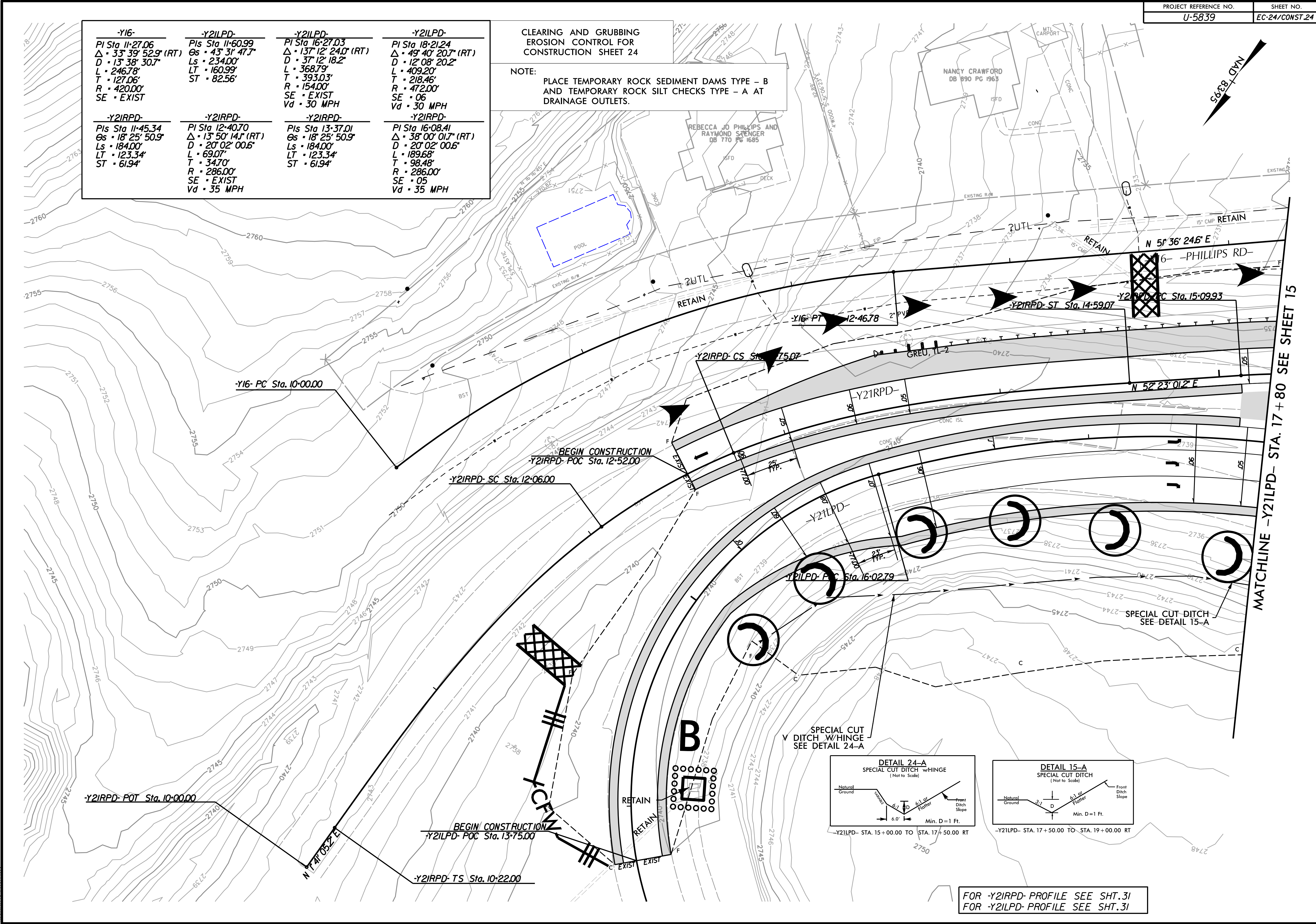
MATCHLINE -Y2ILPB- STA. 18+50 SEE SHEET 14

FOR -Y2IRPB- PROFILE SEE SHT.30
 FOR -Y2ILPB- PROFILE SEE SHT.31

<p>-Y16- PI Sta 11-27.06 $\Delta \cdot 33^\circ 39' 52.9''$ (RT) D $\cdot 13' 38' 30.7''$ L $\cdot 246.78'$ T $\cdot 127.06'$ R $\cdot 420.00'$ SE \cdot EXIST</p>	<p>-Y21RPD- Pls Sta 11-60.99 $\Theta_s \cdot 43^\circ 31' 47.7''$ Ls $\cdot 234.00'$ LT $\cdot 160.99'$ ST $\cdot 82.56'$</p>	<p>-Y21LPD- PI Sta 16-27.03 $\Delta \cdot 137^\circ 12' 24.0''$ (RT) D $\cdot 37' 12' 18.2''$ L $\cdot 368.79'$ T $\cdot 393.03'$ R $\cdot 154.00'$ SE \cdot EXIST Vd $\cdot 30$ MPH</p>	<p>-Y21LPD- PI Sta 18-21.24 $\Delta \cdot 49^\circ 40' 20.7''$ (RT) D $\cdot 12' 08' 20.2''$ L $\cdot 409.20'$ T $\cdot 218.46'$ R $\cdot 472.00'$ SE $\cdot 06$ Vd $\cdot 30$ MPH</p>
<p>-Y21RPD- Pls Sta 11-45.34 $\Theta_s \cdot 18^\circ 25' 50.9''$ Ls $\cdot 184.00'$ LT $\cdot 123.34'$ ST $\cdot 61.94'$</p>	<p>-Y21RPD- PI Sta 12-40.70 $\Delta \cdot 13^\circ 50' 14.1''$ (RT) D $\cdot 20' 02' 00.6''$ L $\cdot 69.07'$ T $\cdot 34.70'$ R $\cdot 286.00'$ SE \cdot EXIST Vd $\cdot 35$ MPH</p>	<p>-Y21RPD- Pls Sta 13-37.01 $\Theta_s \cdot 18^\circ 25' 50.9''$ Ls $\cdot 184.00'$ LT $\cdot 123.34'$ ST $\cdot 61.94'$</p>	<p>-Y21RPD- PI Sta 16-08.41 $\Delta \cdot 38^\circ 00' 01.7''$ (RT) D $\cdot 20' 02' 00.6''$ L $\cdot 189.68'$ T $\cdot 98.48'$ R $\cdot 286.00'$ SE $\cdot 05$ Vd $\cdot 35$ MPH</p>

**CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 24**

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

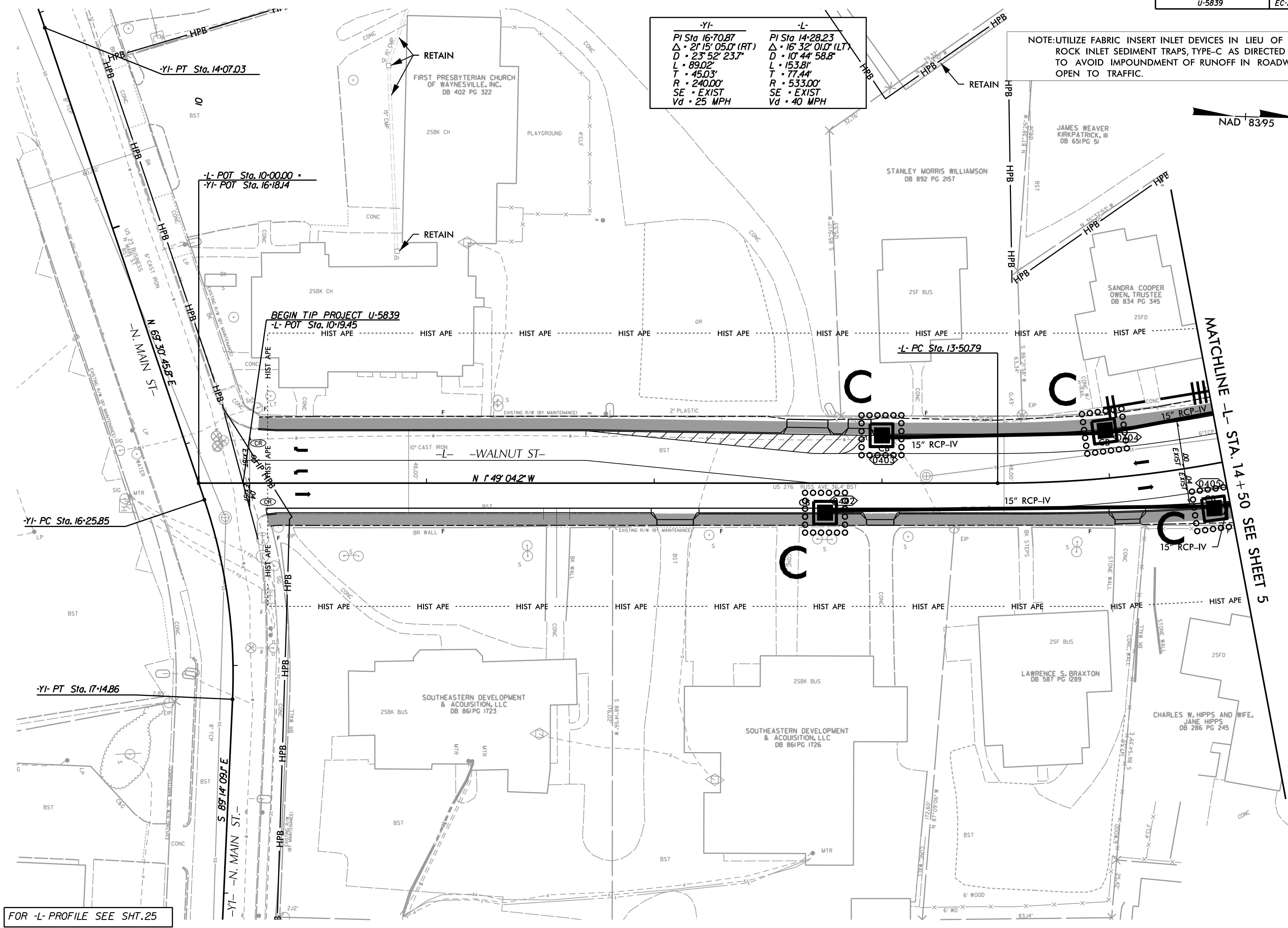
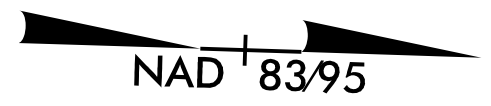


FOR -Y21RPD- PROFILE SEE SHT.31
 FOR -Y21LPD- PROFILE SEE SHT.31

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-YI-	-L-
PI Sta 16+70.87	PI Sta 14+28.23
$\Delta \cdot 21^{\circ} 15' 05.0''$ (RT)	$\Delta \cdot 16^{\circ} 32' 01.0''$ (LT)
D $\cdot 23^{\circ} 52' 23.7''$	D $\cdot 10^{\circ} 44' 58.8''$
L $\cdot 89.02'$	L $\cdot 153.81'$
T $\cdot 45.03'$	T $\cdot 77.44'$
R $\cdot 240.00'$	R $\cdot 533.00'$
SE \cdot EXIST	SE \cdot EXIST
Vd $\cdot 25$ MPH	Vd $\cdot 40$ MPH

NOTE: UTILIZE FABRIC INSERT INLET DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.



BEGIN TIP PROJECT U-5839
-L- POT Sta. 10+19.45

-L- PC Sta. 13+50.79

FOR -L- PROFILE SEE SHT. 25

MATCHLINE -L- STA. 14+50 SEE SHEET 5

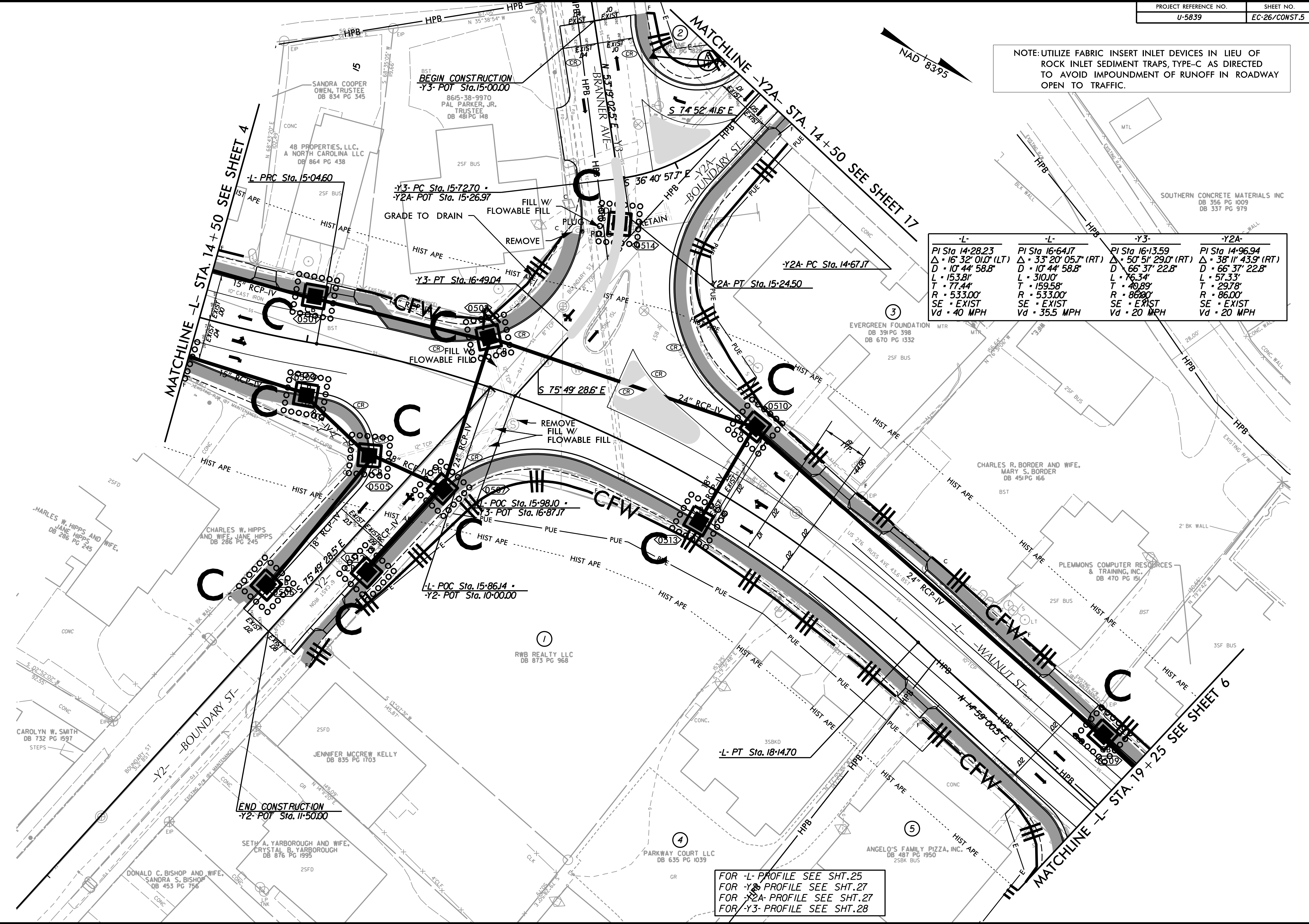
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NOTE: UTILIZE FABRIC INSERT INLET DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

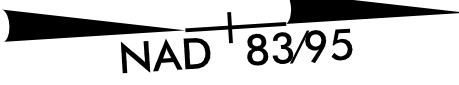
-L-	-L-	-Y3-	-Y2A-
PI Sta 14+28.23	PI Sta 16+64.17	PI Sta 16+13.59	PI Sta 14+96.94
Δ • 16° 32' 01.0" (LT)	Δ • 33° 20' 05.7" (RT)	Δ • 50° 51' 29.0" (RT)	Δ • 38° 11' 43.9" (RT)
D • 10' 44' 58.8"	D • 10' 44' 58.8"	D • 66' 37' 22.8"	D • 66' 37' 22.8"
L • 153.81'	L • 310.10'	L • 76.34'	L • 57.33'
T • 77.44'	T • 159.58'	T • 40.89'	T • 29.78'
R • 533.00'	R • 533.00'	R • 86.00'	R • 86.00'
SE • EXIST	SE • EXIST	SE • EXIST	SE • EXIST
Vd • 40 MPH	Vd • 35.5 MPH	Vd • 20 MPH	Vd • 20 MPH

FOR -L- PROFILE SEE SHT.25
 FOR -Y3- PROFILE SEE SHT.27
 FOR -Y2A- PROFILE SEE SHT.27
 FOR -Y3- PROFILE SEE SHT.28

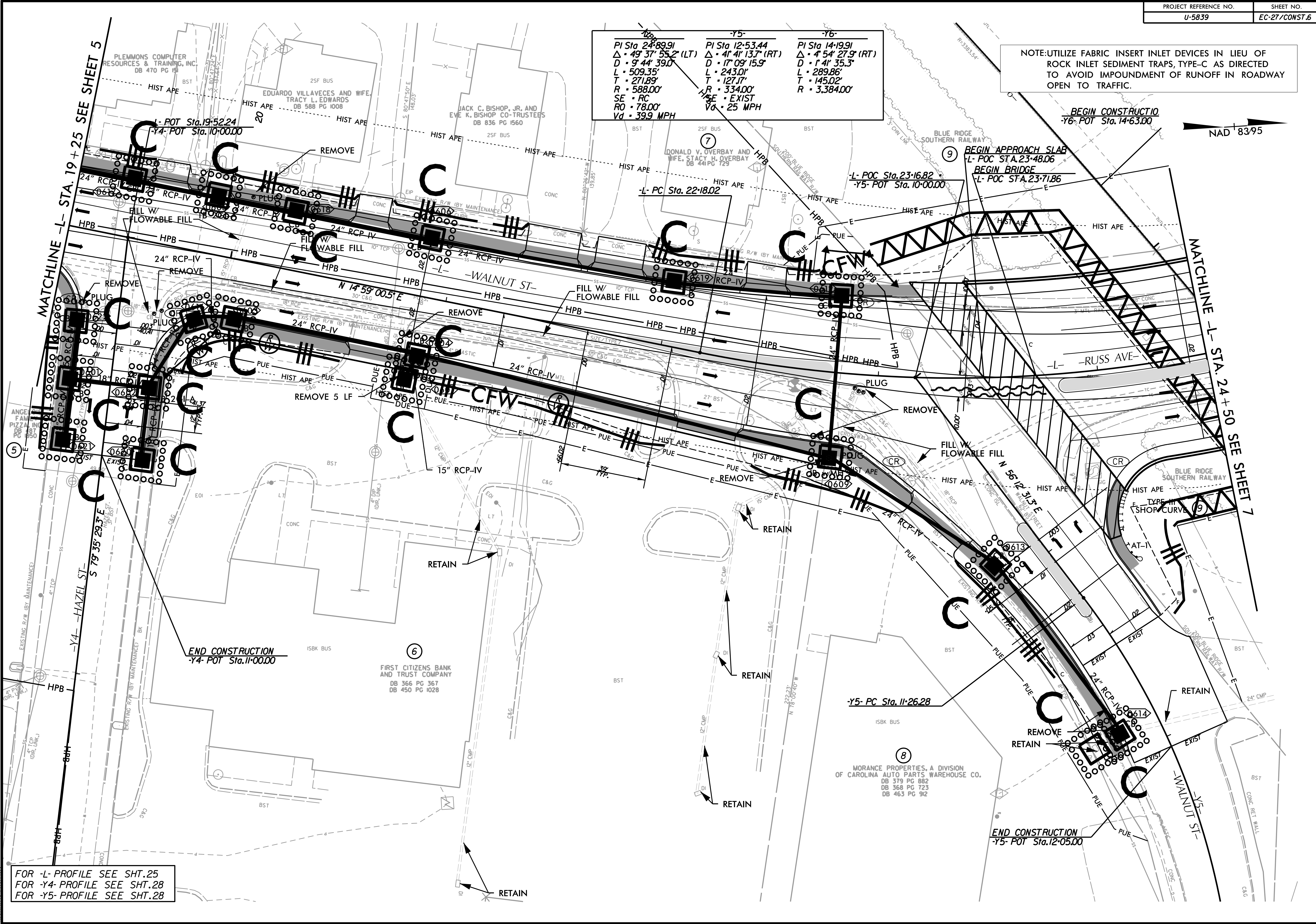
3/10/2023 R:\Environmental\Design\U5839-EC-26-F.mai.dgn
 8/17/99



NOTE: UTILIZE FABRIC INSERT INLET DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.



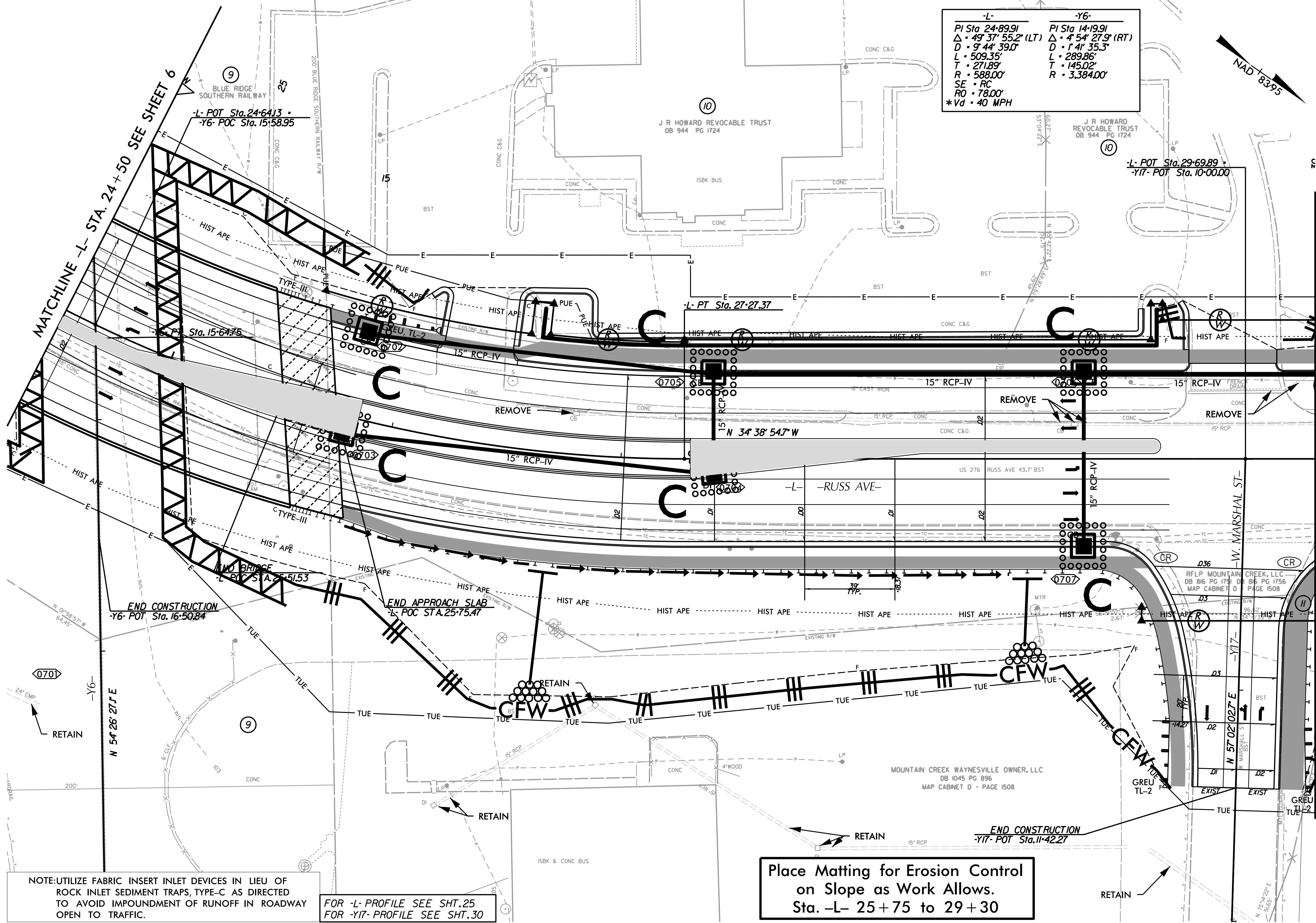
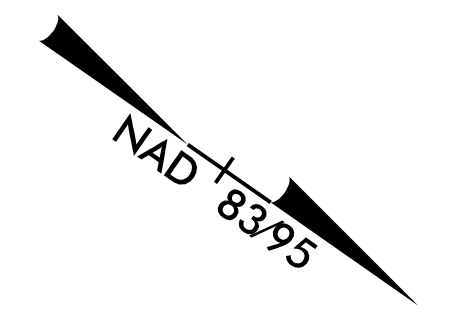
-Y5-	-Y6-
PI Sta 24+89.91	PI Sta 12+53.44
Δ · 49° 37' 55.2" (LT)	Δ · 41° 41' 13.7" (RT)
D · 9' 44" 39.0'	D · 17' 09" 15.9'
L · 509.35'	L · 243.01'
T · 271.89'	T · 127.17'
R · 588.00'	R · 334.00'
SE · RC	SE · EXIST
RO · 78.00'	VO · 25 MPH
Vd · 39.9 MPH	



FOR -L- PROFILE SEE SHT.25
 FOR -Y4- PROFILE SEE SHT.28
 FOR -Y5- PROFILE SEE SHT.28

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-L-	-Y6-
PI Sta 24+89.91	PI Sta 14+19.91
$\Delta \cdot 49^\circ 37' 55.2"$ (LT)	$\Delta \cdot 4^\circ 54' 27.9"$ (RT)
D $\cdot 9' 44' 39.0"$	D $\cdot 1' 41' 35.3"$
L $\cdot 509.35'$	L $\cdot 289.86'$
T $\cdot 271.89'$	T $\cdot 145.02'$
R $\cdot 588.00'$	R $\cdot 3,384.00'$
SE $\cdot RC$	
RO $\cdot 78.00'$	
*Vd $\cdot 40$ MPH	



NOTE: UTILIZE FABRIC INSERT INLET DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

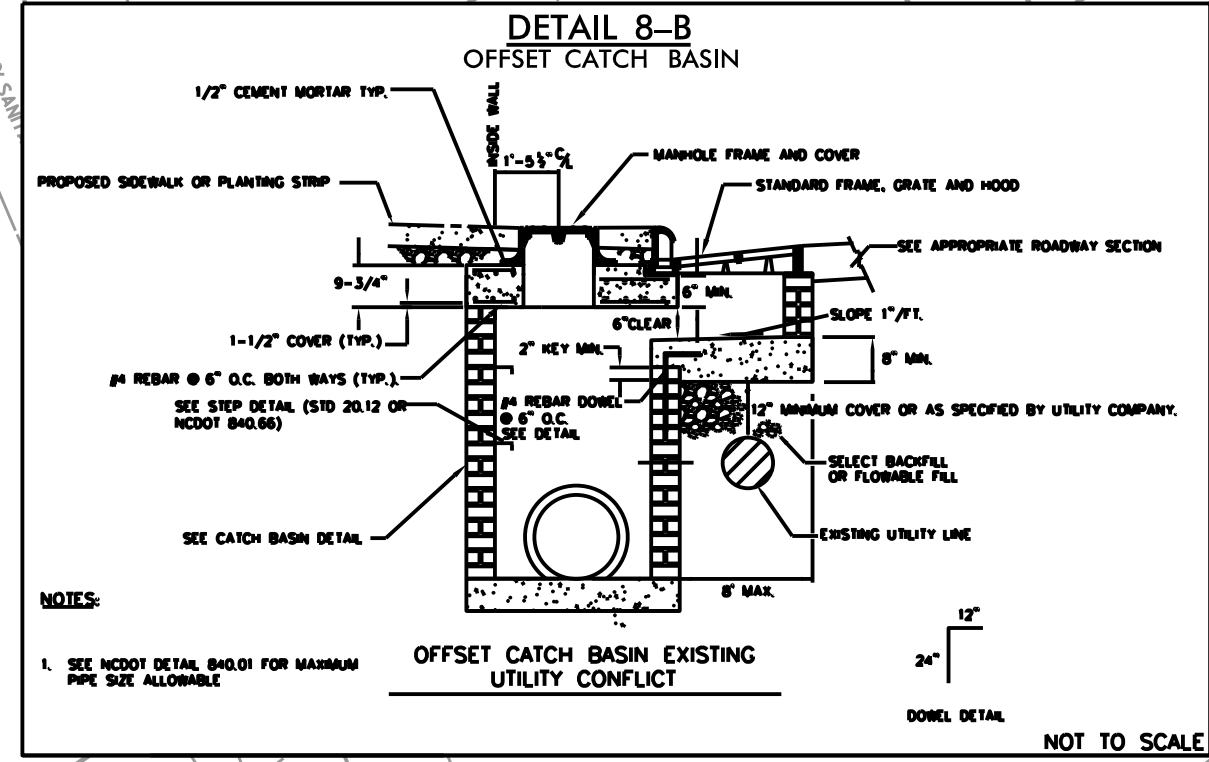
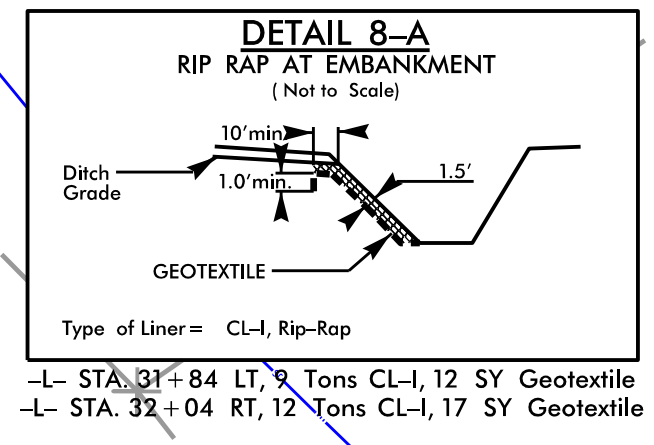
FOR -L- PROFILE SEE SHT.25
FOR -Y17- PROFILE SEE SHT.30

Place Matting for Erosion Control on Slope as Work Allows. Sta. -L- 25+75 to 29+30

MATCHLINE -L- STA. 24+50 SEE SHEET 6

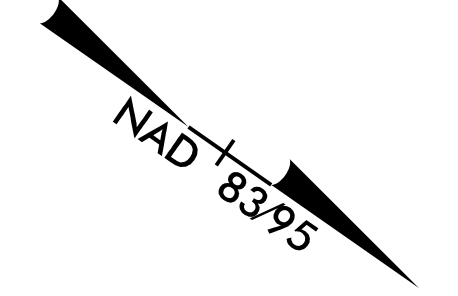
MATCHLINE -L- STA. 30+00 SEE SHEET 8

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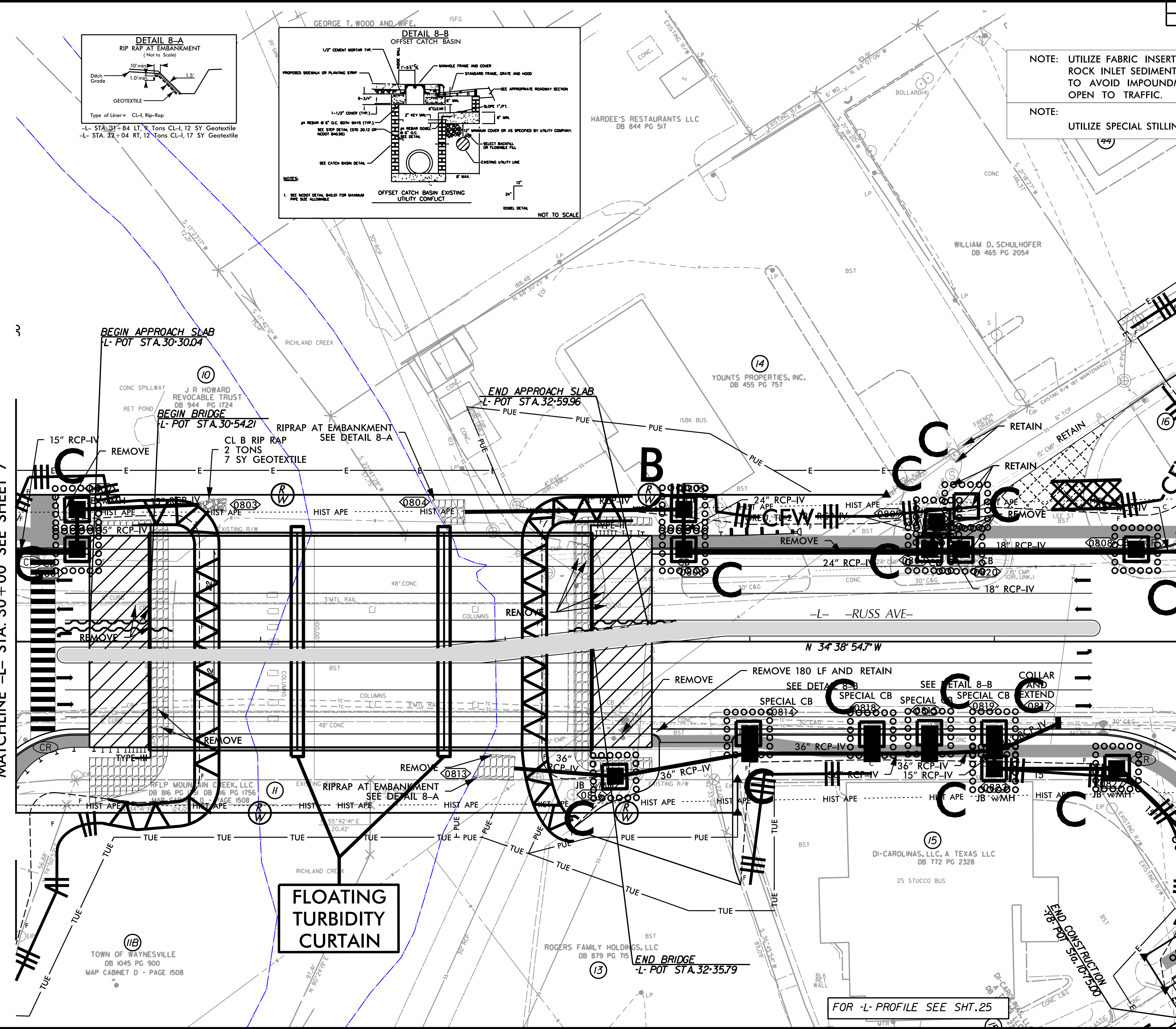
NOTE: UTILIZE FABRIC INSERT INLET DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

NOTE: UTILIZE SPECIAL STILLING BASIN(S) WHERE APPLICABLE.



MATCHLINE -L- STA. 30+00 SEE SHEET 7

MATCHLINE -L- STA. 34+75 SEE SHEET 9

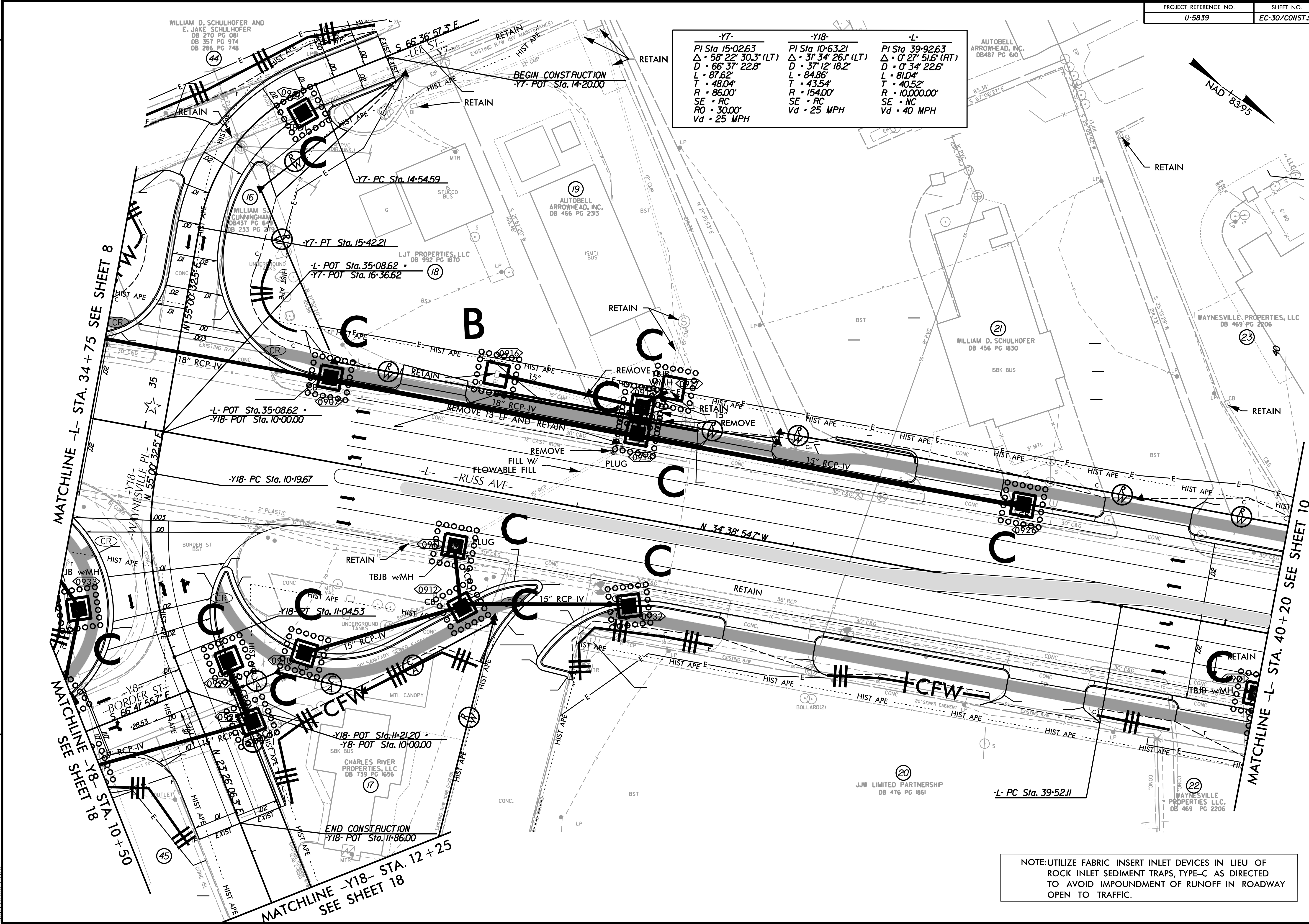


FLOATING TURBIDITY CURTAIN

FOR -L- PROFILE SEE SHT. 25

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-Y7-	-Y18-	-L-
PI Sta 15+02.63	PI Sta 10+63.21	PI Sta 39+92.63
$\Delta = 58^{\circ} 22' 30.3" (LT)$	$\Delta = 31^{\circ} 34' 26.1" (LT)$	$\Delta = 0^{\circ} 27' 51.6" (RT)$
D = 66' 37" 22.8"	D = 37' 12" 18.2"	D = 0' 34' 22.6"
L = 87.62'	L = 84.86'	L = 81.04'
T = 48.04'	T = 43.54'	T = 40.52'
R = 86.00'	R = 154.00'	R = 10,000.00'
SE = RC	SE = RC	SE = NC
RO = 30.00'	Vd = 25 MPH	Vd = 40 MPH



MATCHLINE -L- STA. 34+75 SEE SHEET 8

MATCHLINE -Y8- STA. 10+50 SEE SHEET 18

MATCHLINE -L- STA. 40+20 SEE SHEET 10

MATCHLINE -Y18- STA. 12+25 SEE SHEET 18

NOTE: UTILIZE FABRIC INSERT INLET DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

REVISIONS

3/10/2023 R:\Environmental\Design\U5839_EC_30_F\m.dgn

WILLIAM D. SCHULHOFER AND
E. JAKE SCHULHOFER
DB 270 PG 081
DB 351 PG 974
DB 286 PG 748

WILLIAM D. SCHULHOFER AND
E. JAKE SCHULHOFER
DB 437 PG 649
DB 233 PG 275

AUTOBELL
ARROWHEAD, INC.
DB 466 PG 233

WILLIAM D. SCHULHOFER
DB 456 PG 1830

WAYNESVILLE PROPERTIES, LLC
DB 469 PG 2206

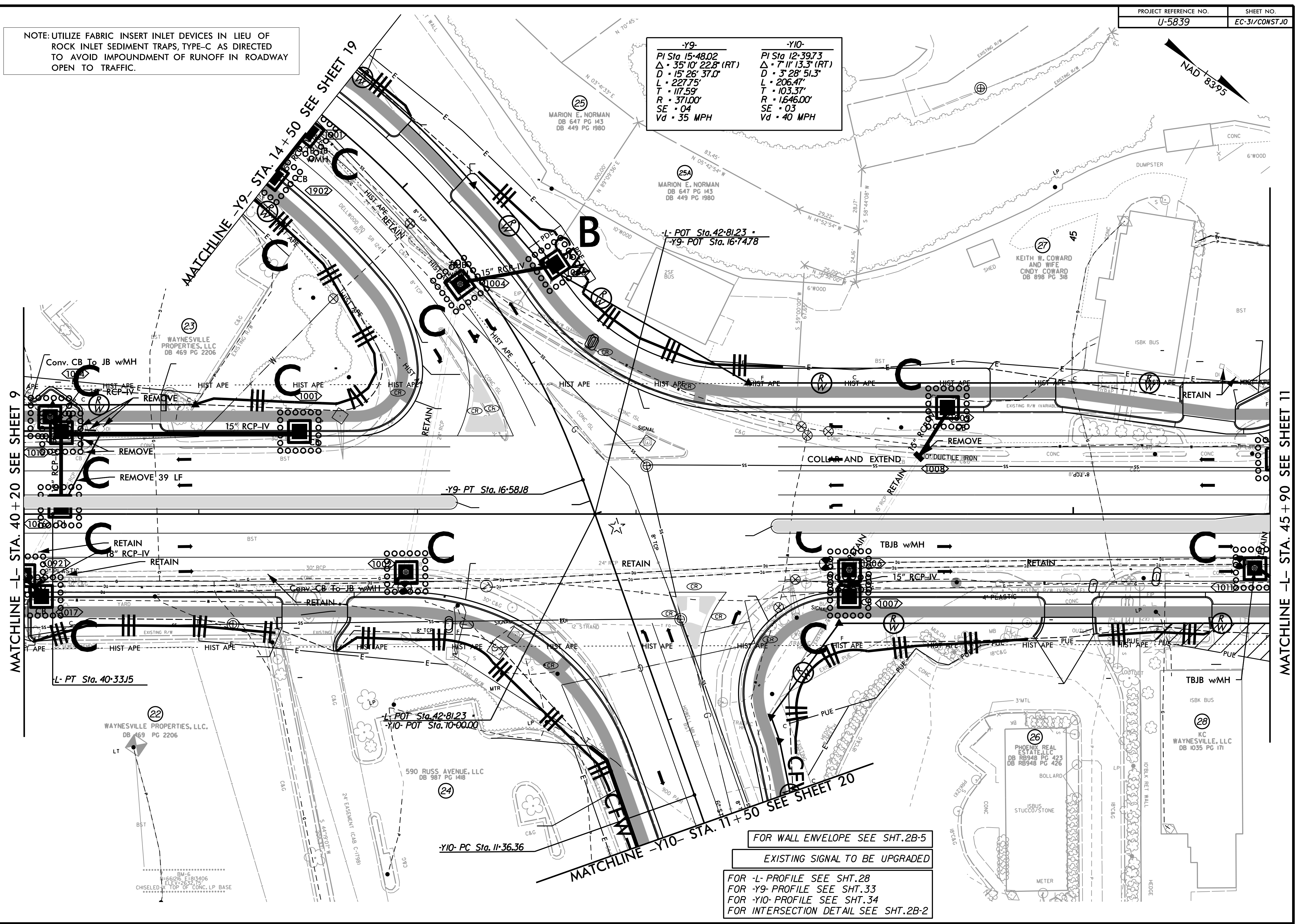
CHARLES RIVER
PROPERTIES, LLC
DB 739 PG 1656

JJW LIMITED PARTNERSHIP
DB 476 PG 1861

WAYNESVILLE PROPERTIES, LLC
DB 469 PG 2206

NOTE: UTILIZE FABRIC INSERT INLET DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

-Y9-	-Y10-
PI Sta 15+48.02	PI Sta 12+39.73
$\Delta \cdot 35^{\circ} 10' 22.8" (RT)$	$\Delta \cdot 7^{\circ} 11' 13.3" (RT)$
D · 15' 26' 37.0"	D · 3' 28' 51.3"
L · 227.75'	L · 206.47'
T · 117.59'	T · 103.37'
R · 371.00'	R · 1,646.00'
SE · 04	SE · 03
Vd · 35 MPH	Vd · 40 MPH



MATCHLINE -L- STA. 40+20 SEE SHEET 9

MATCHLINE -L- STA. 45+90 SEE SHEET 11

MATCHLINE -Y9- STA. 14+50 SEE SHEET 19

MATCHLINE -Y10- STA. 11+50 SEE SHEET 20

FOR WALL ENVELOPE SEE SHT.2B-5
 EXISTING SIGNAL TO BE UPGRADED
 FOR -L- PROFILE SEE SHT.28
 FOR -Y9- PROFILE SEE SHT.33
 FOR -Y10- PROFILE SEE SHT.34
 FOR INTERSECTION DETAIL SEE SHT.2B-2

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 11/10/2023 10:52:15 AM
 CHISELED TOP OF CONC. LP BASE

WAYNESVILLE PROPERTIES, LLC.
 DB 469 PG 2206

590 RUSS AVENUE, LLC
 DB 987 PG 1418

PHOENIX REAL ESTATE, LLC
 DB RB948 PG 423
 DB RB948 PG 426

KC WAYNESVILLE, LLC
 DB 1035 PG 171

KEITH W. COWARD AND WIFE
 CINDY COWARD
 DB 898 PG 318

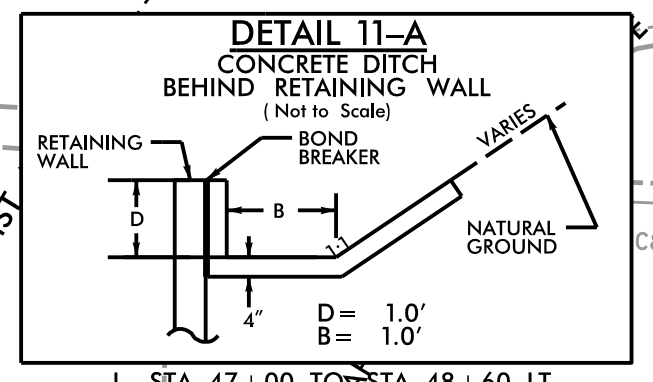
MARION E. NORMAN
 DB 647 PG 143
 DB 449 PG 1980

MARION E. NORMAN
 DB 647 PG 143
 DB 449 PG 1980

WAYNESVILLE PROPERTIES, LLC
 DB 469 PG 2206

NOTE: UTILIZE FABRIC INSERT INLET DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

-Y12-
 PI Sta 11+71.44
 $\Delta = 130^{\circ} 24' 28.0''$ (RT)
 $D = 112^{\circ} 20' 40.8''$
 $L = 116.08'$
 $T = 110.39'$
 $R = 51.00'$
 SE = EXIST

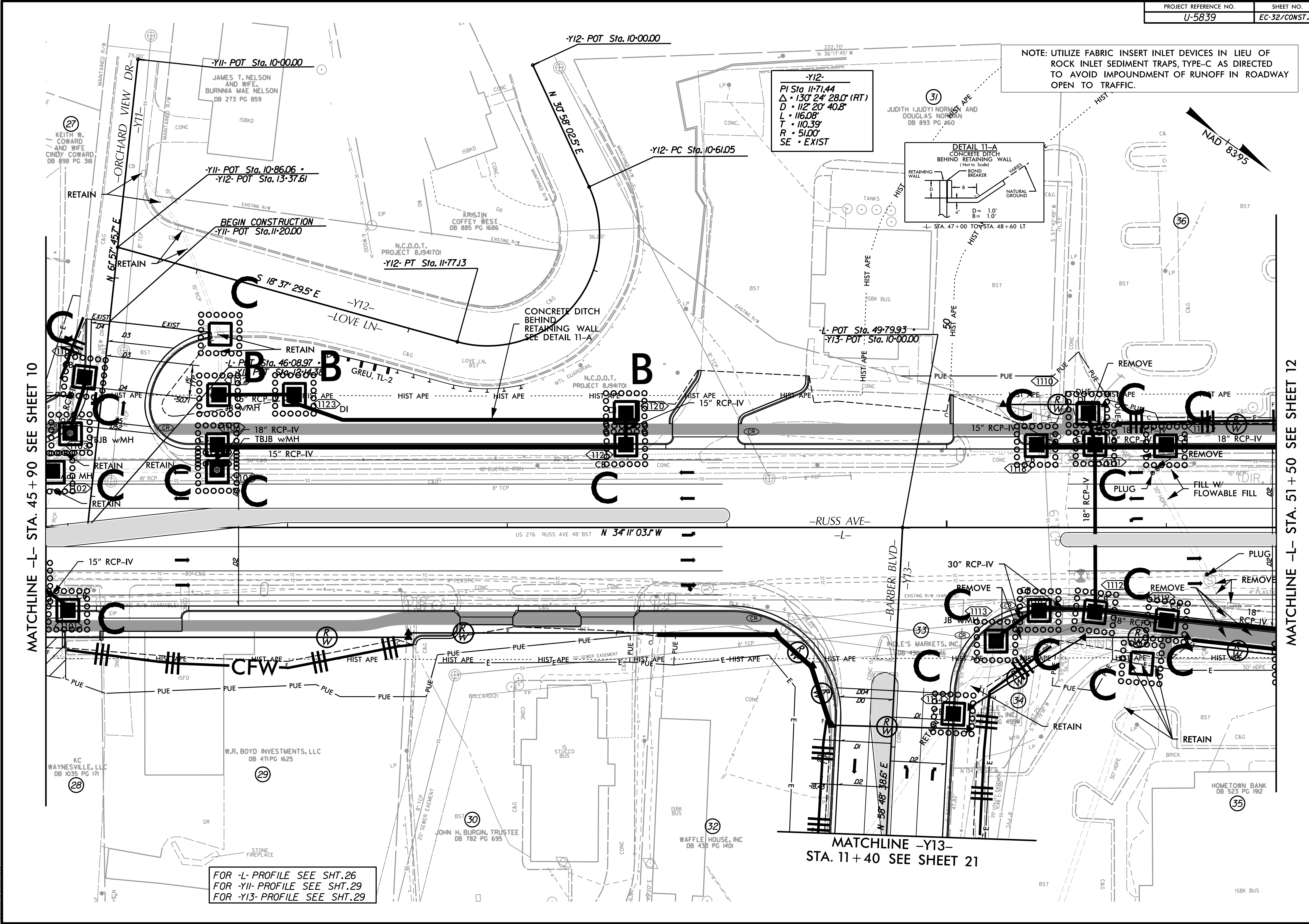


MATCHLINE -L- STA. 45+90 SEE SHEET 10

MATCHLINE -L- STA. 51+50 SEE SHEET 12

FOR -L- PROFILE SEE SHT.26
 FOR -Y11- PROFILE SEE SHT.29
 FOR -Y13- PROFILE SEE SHT.29

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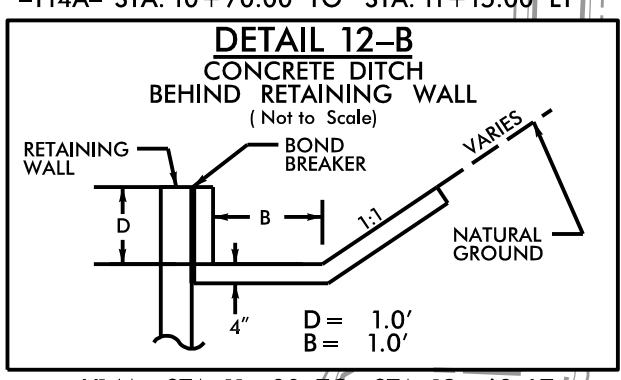
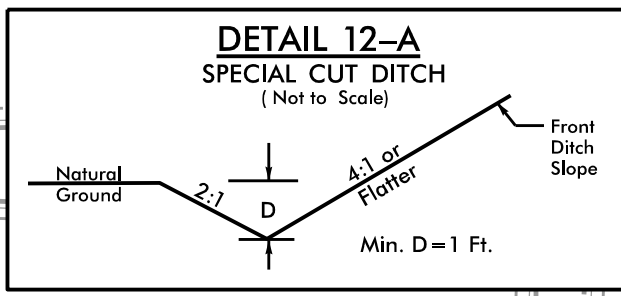
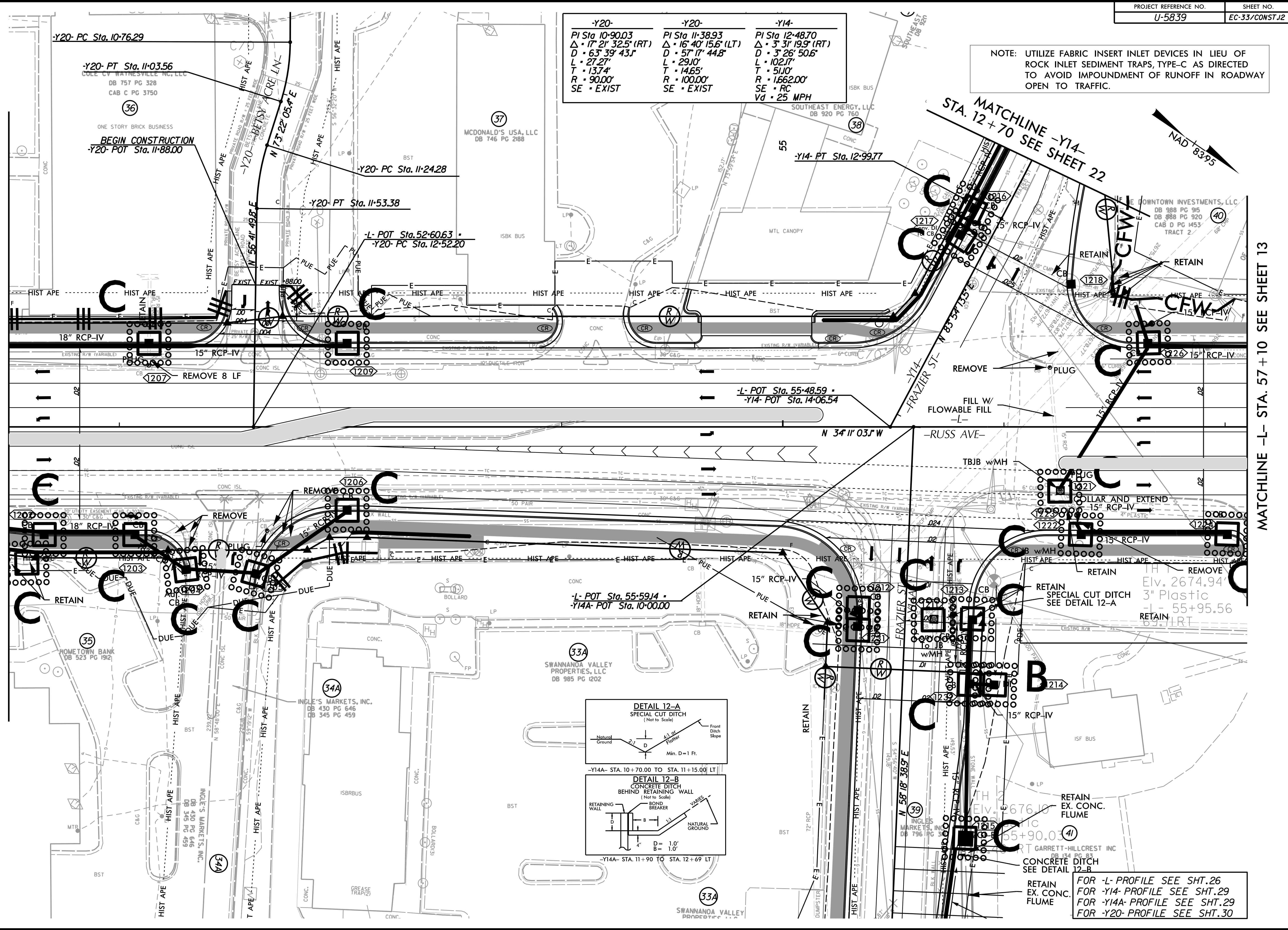
-Y20-	-Y20-	-Y14-
PI Sta 10-90.03	PI Sta 11-38.93	PI Sta 12-48.70
Δ · 17° 21' 32.5" (RT)	Δ · 16° 40' 15.6" (LT)	Δ · 3° 31' 19.9" (RT)
D · 63' 39" 43.7"	D · 57' 17" 44.8"	D · 3' 26' 50.6"
L · 27.27'	L · 29.10'	L · 102.17'
T · 13.74'	T · 14.65'	T · 5.110'
R · 90.00'	R · 100.00'	R · 1662.00'
SE · EXIST	SE · EXIST	SE · RC
		Vd · 25 MPH

NOTE: UTILIZE FABRIC INSERT INLET DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

MATCHLINE -L- STA. 51 + 50 SEE SHEET 11

MATCHLINE -L- STA. 57 + 10 SEE SHEET 13

MATCHLINE -Y14- STA. 12 + 70 SEE SHEET 22



FOR -L- PROFILE SEE SHT.26
FOR -Y14- PROFILE SEE SHT.29
FOR -Y14A- PROFILE SEE SHT.29
FOR -Y20- PROFILE SEE SHT.30

REVISIONS

8/17/99

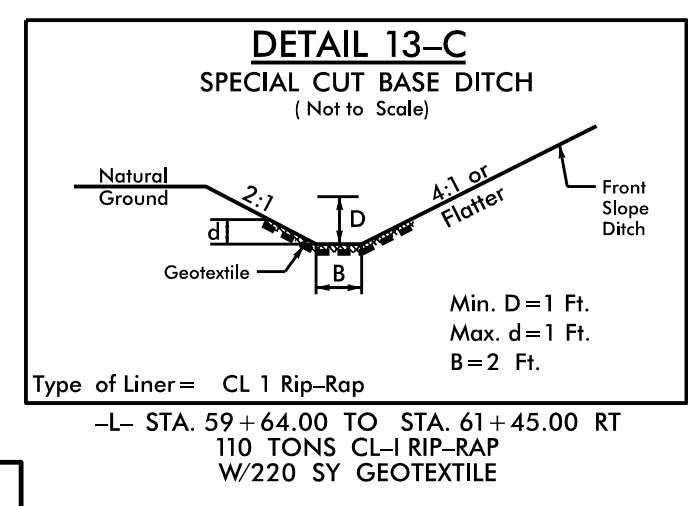
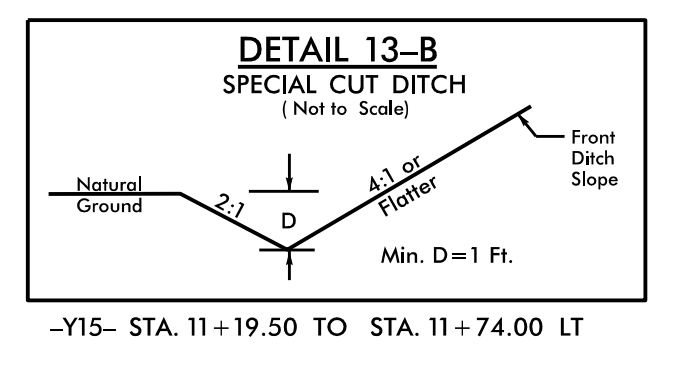
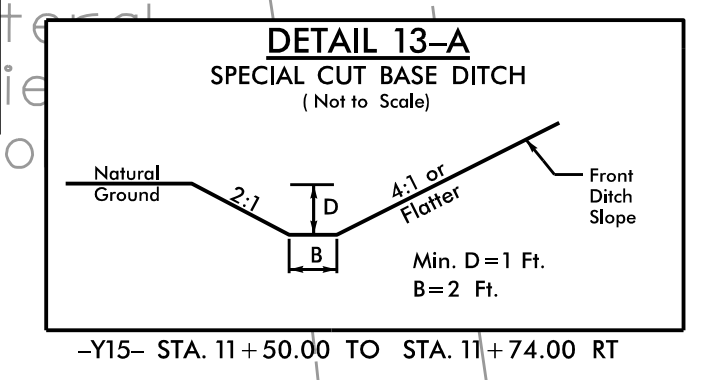
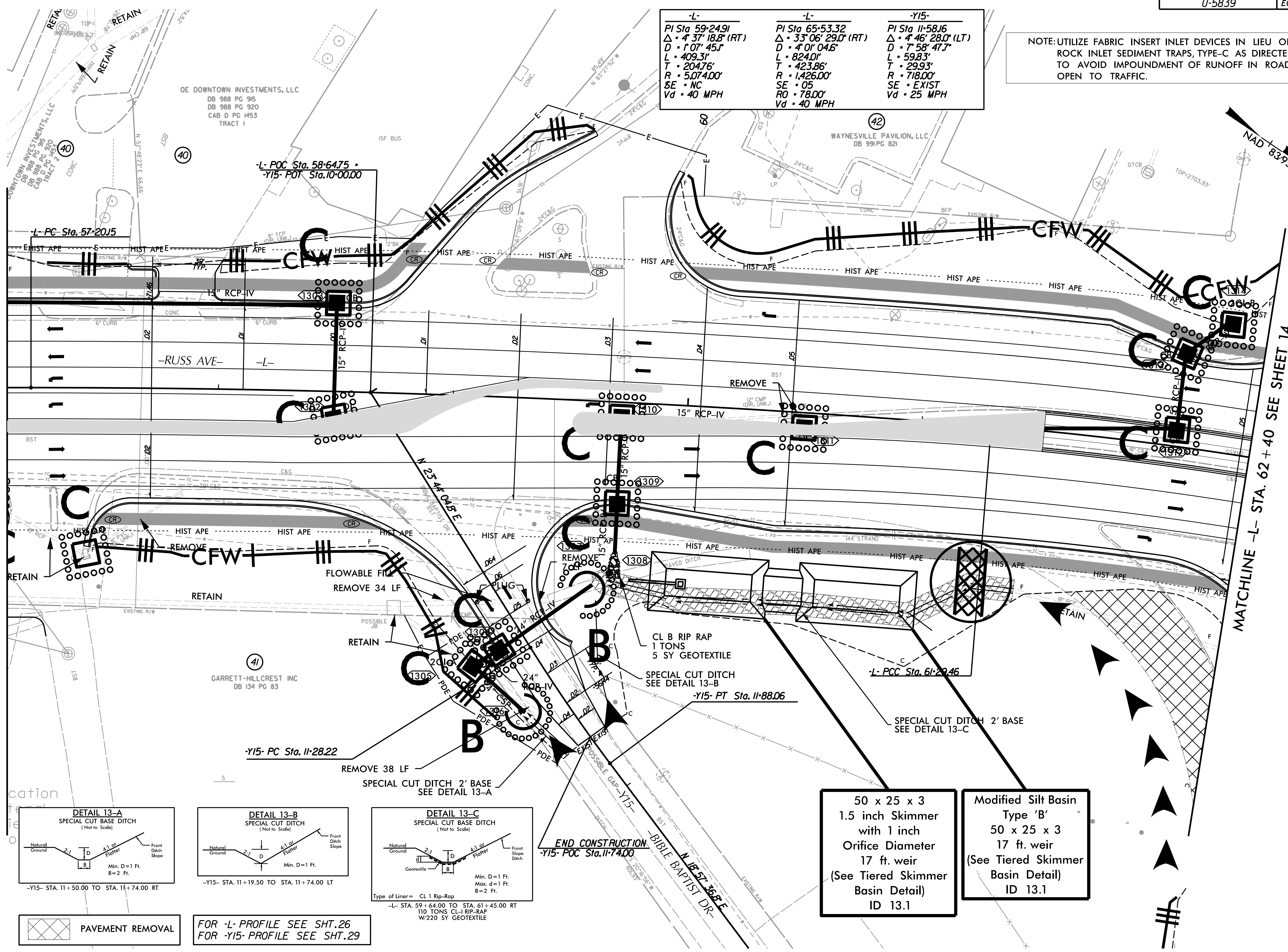
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-L-	-L-	-Y15-
PI Sta 59.2491	PI Sta 65.5332	PI Sta 11.5816
Δ · 4' 37" 18.8" (RT)	Δ · 3' 06" 29.0" (RT)	Δ · 4' 46" 28.0" (LT)
D · 1' 07" 45.1"	D · 4' 01" 04.6"	D · 7' 58" 47.7"
L · 409.31'	L · 824.01'	L · 598.3'
T · 204.76'	T · 423.86'	T · 299.3'
R · 5,074.00'	R · 1,426.00'	R · 718.00'
SE · NC	SE · 05	SE · EXIST
Vd · 40 MPH	Vd · 40 MPH	Vd · 25 MPH

NOTE: UTILIZE FABRIC INSERT INLET DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

MATCHLINE -L- STA. 57 + 10 SEE SHEET 12

MATCHLINE -L- STA. 62 + 40 SEE SHEET 14



50 x 25 x 3
1.5 inch Skimmer
with 1 inch
Orifice Diameter
17 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 13.1

Modified Silt Basin
Type 'B'
50 x 25 x 3
17 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 13.1

FOR -L- PROFILE SEE SHT.26
FOR -Y15- PROFILE SEE SHT.29

PAVEMENT REMOVAL

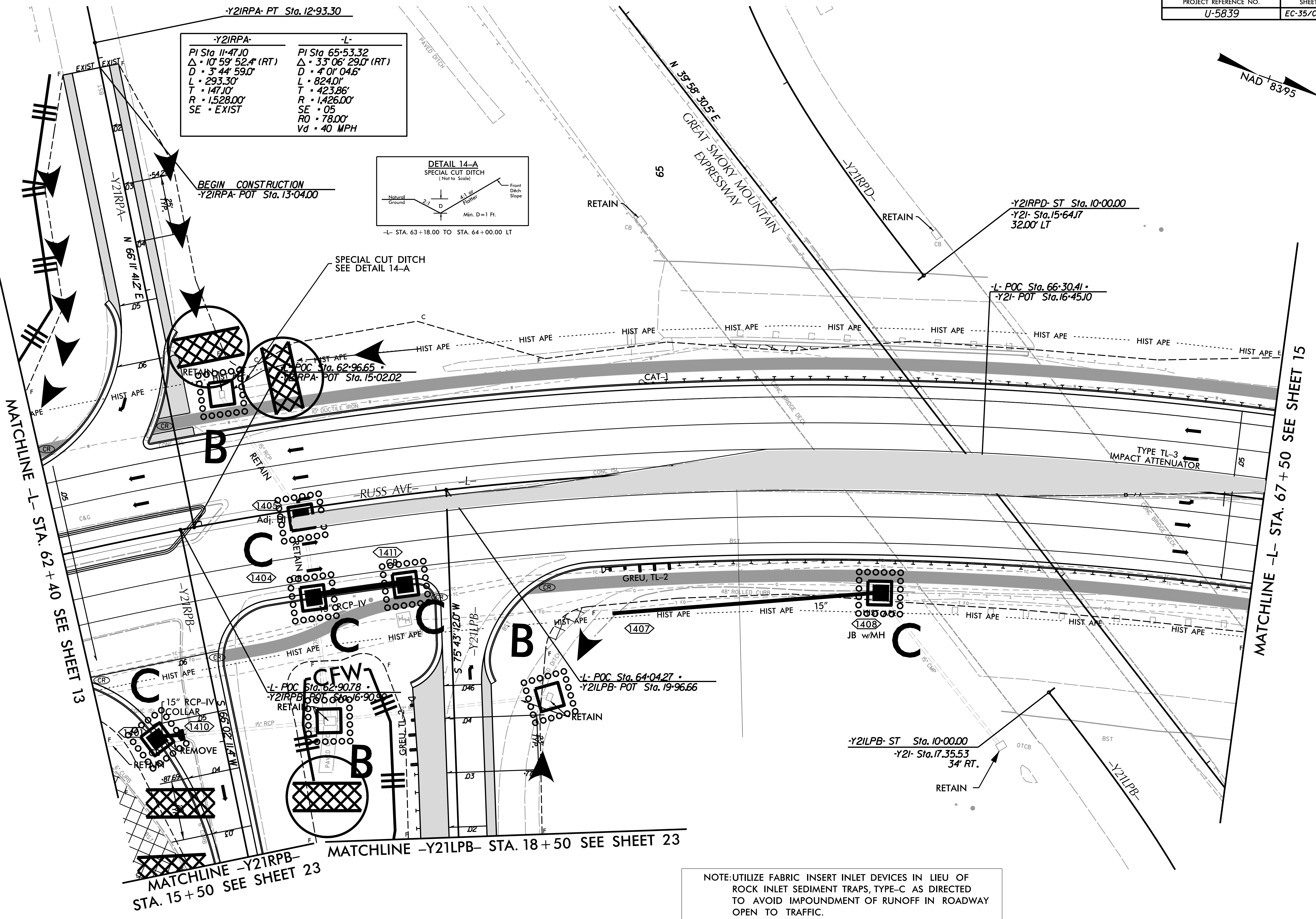
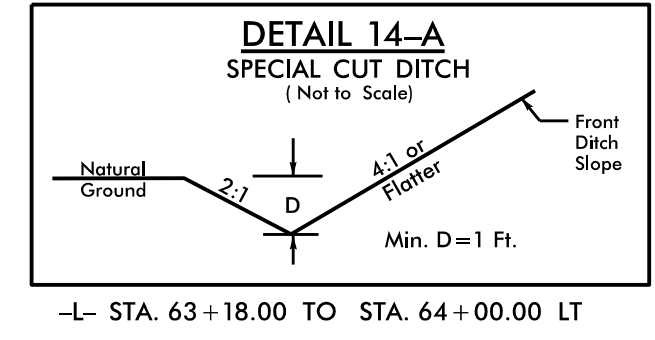
END CONSTRUCTION
-Y15- POC Sta. 11+74.00

REVISIONS

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-Y2IRPA-	-L-
PI Sta 11+47.10	PI Sta 65+53.32
$\Delta = 10^{\circ} 59' 52.4" (RT)$	$\Delta = 33^{\circ} 06' 29.0" (RT)$
D = 3' 44' 59.0"	D = 4' 01' 04.6"
L = 293.30'	L = 824.01'
T = 147.10'	T = 423.86'
R = 1,528.00'	R = 1,426.00'
SE = EXIST	SE = 05
	RO = 78.00'
	Vd = 40 MPH

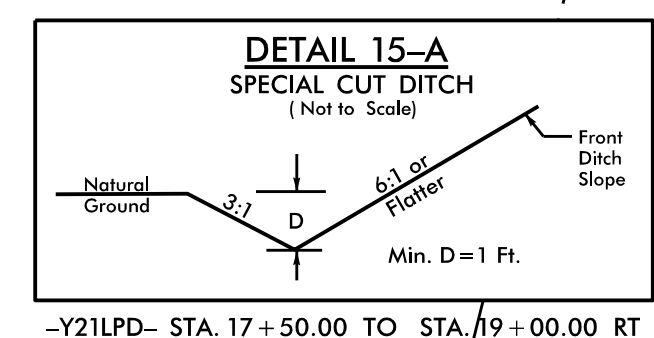


FOR -L- PROFILE SEE SHT. 26-27
 FOR -Y2IRPA- PROFILE SEE SHT. 30
 FOR -Y2IRPB- PROFILE SEE SHT. 30
 FOR -Y2ILPB- PROFILE SEE SHT. 31

NOTE: UTILIZE FABRIC INSERT INLET DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

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NOTE: UTILIZE FABRIC INSERT INLET DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.



81 x 30 x 3
ID 15.1

-Y21LPD- STA. 17+50.00 TO STA. 19+00.00 RT
BEGIN CONSTRUCTION
-Y16- POT Sta. 15+95.00
BST

MATCHLINE -Y21LPD-
STA. 17+80 SEE SHEET 24

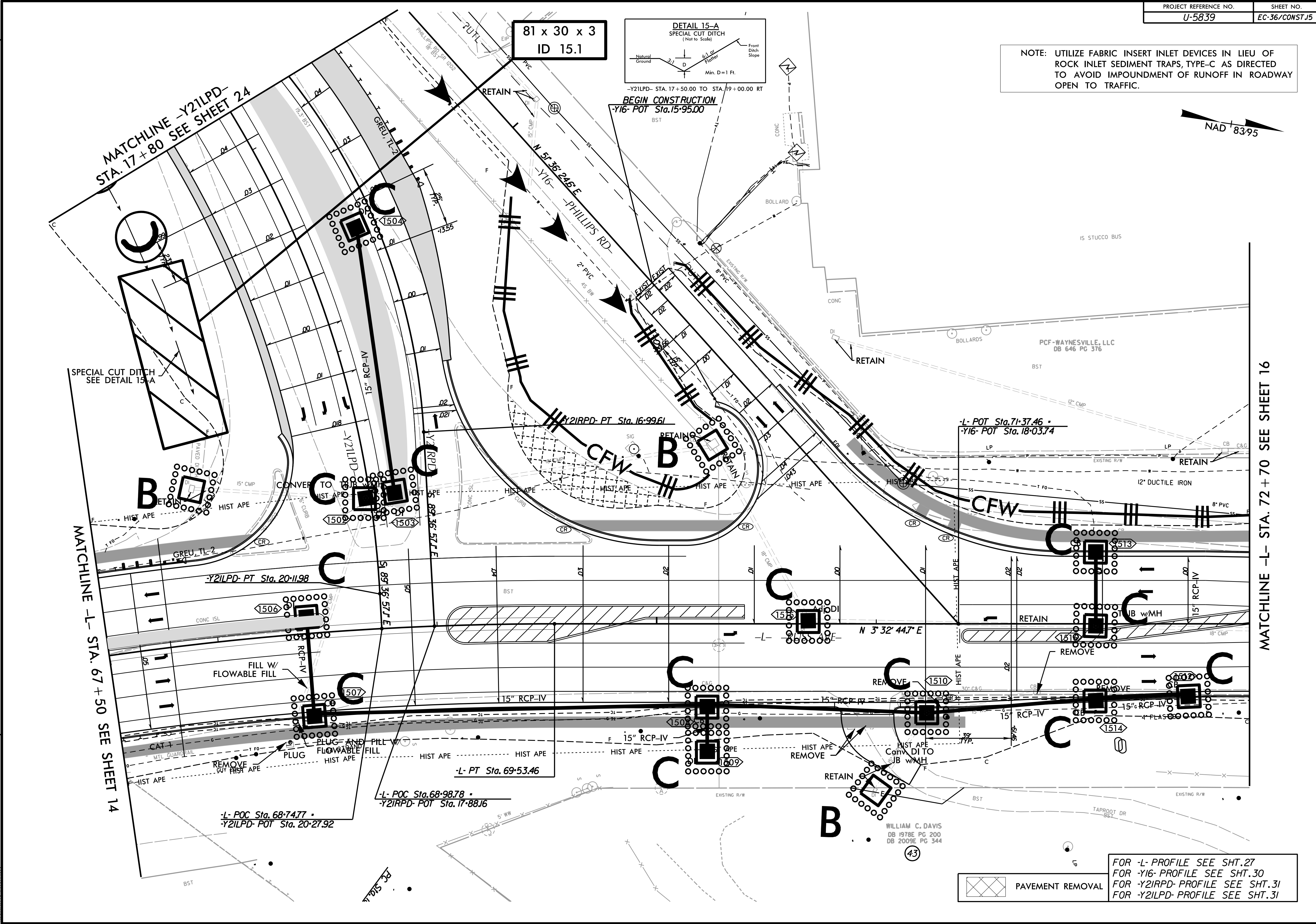
SPECIAL CUT DITCH
SEE DETAIL 15-A

MATCHLINE -L- STA. 67+50 SEE SHEET 14

MATCHLINE -L- STA. 72+70 SEE SHEET 16

REVISIONS

3/10/2023
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wcm

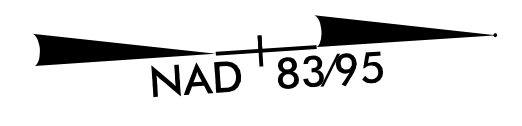


PAVEMENT REMOVAL

FOR -L- PROFILE SEE SHT.27
FOR -Y16- PROFILE SEE SHT.30
FOR -Y21RPD- PROFILE SEE SHT.31
FOR -Y21LPD- PROFILE SEE SHT.31

WILLIAM C. DAVIS
DB 1978E PG 200
DB 2009E PG 344

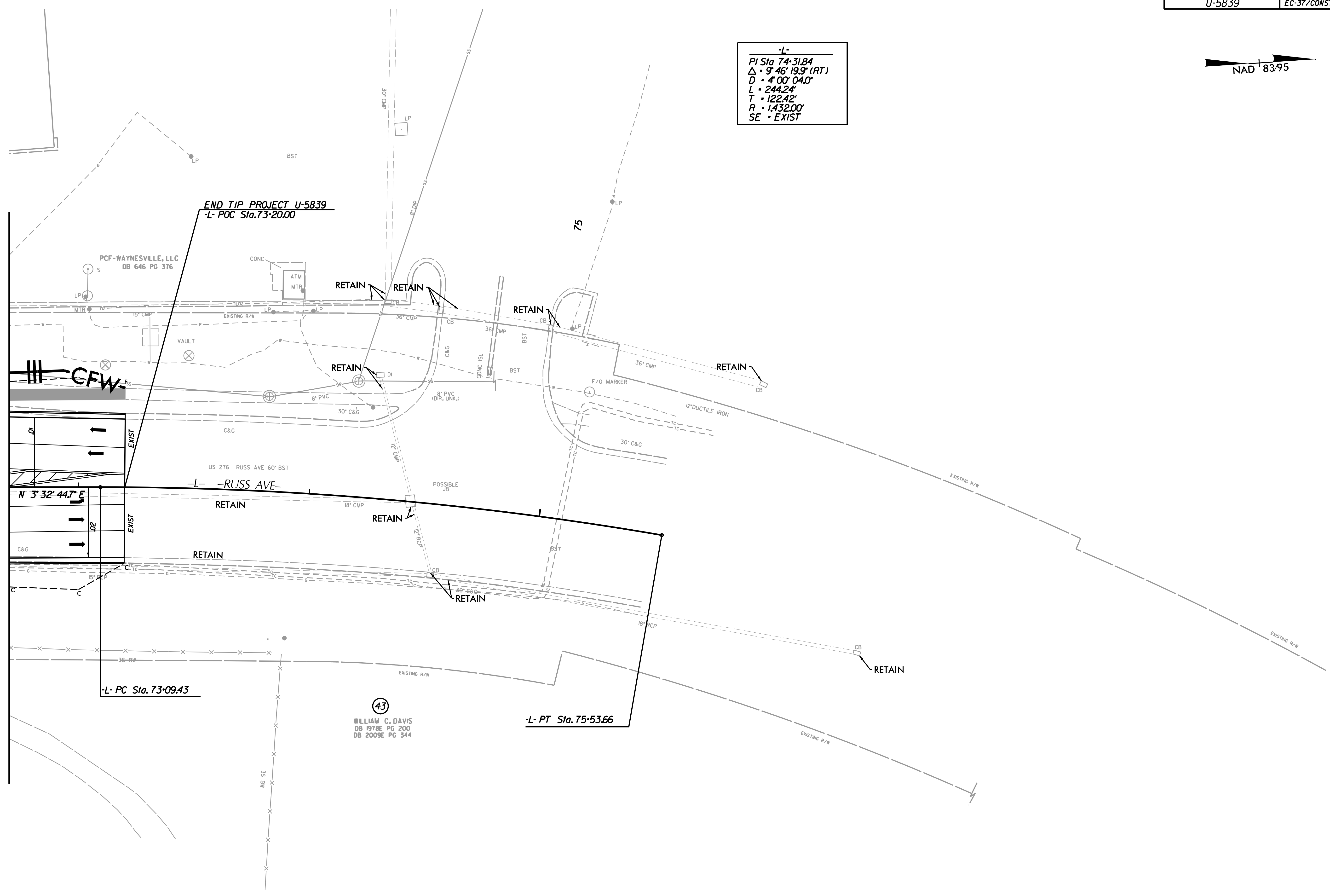
43



-L-

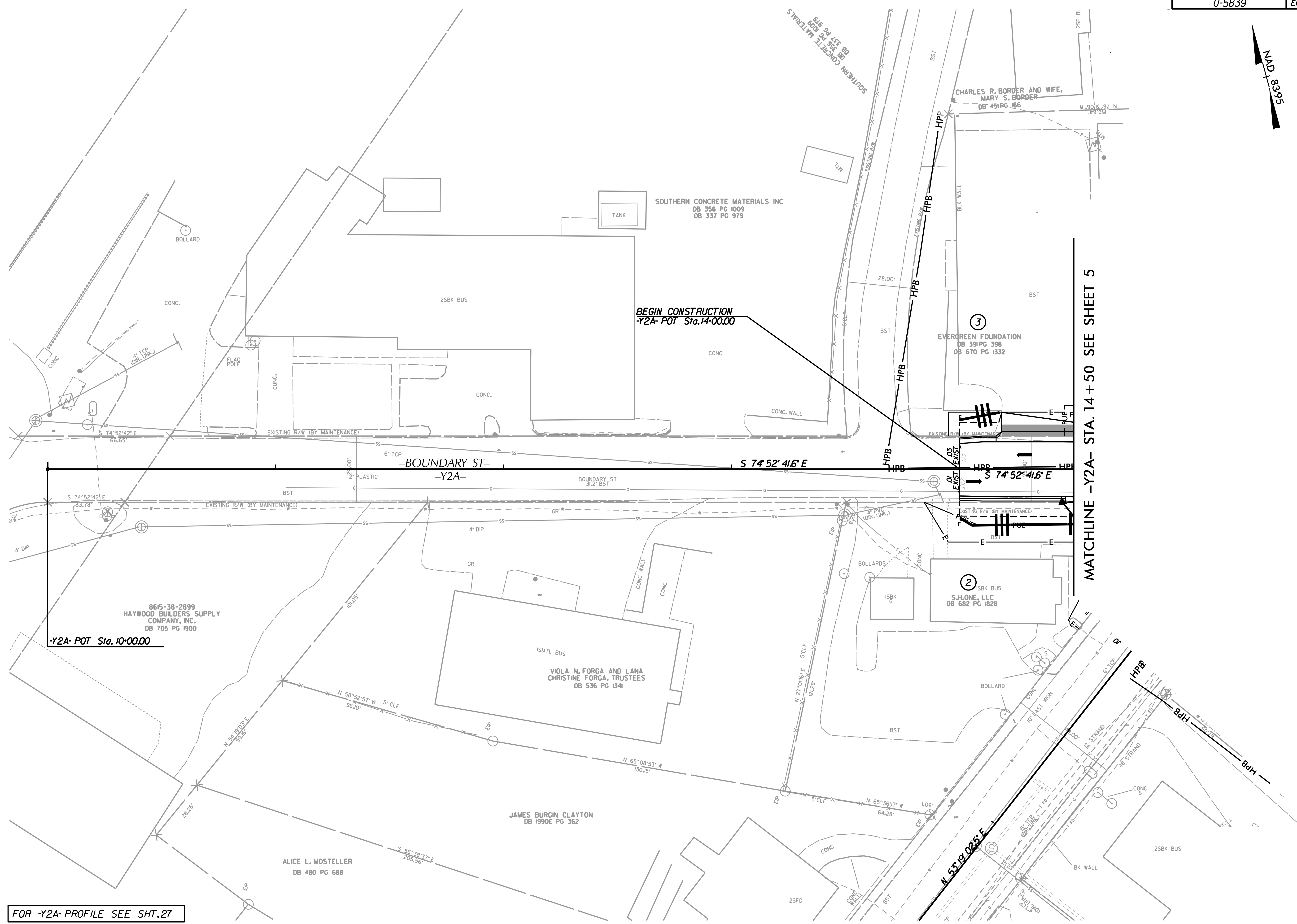
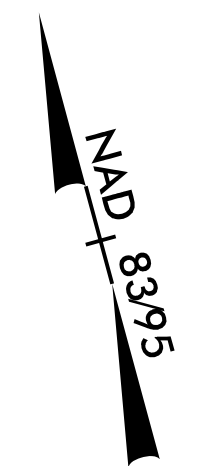
PI Sta 74+31.84
 $\Delta = 9^{\circ} 46' 19.9" (RT)$
 D = 4' 00" 04.0"
 L = 244.24'
 T = 122.42'
 R = 1432.00'
 SE = EXIST

MATCHLINE -L- STA. 72 + 70 SEE SHEET 15



FOR -L- PROFILE SEE SHT. 27

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 3/10/2023
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 43
 WILLIAM C. DAVIS
 DB 1878E PG 200
 DB 2009E PG 344



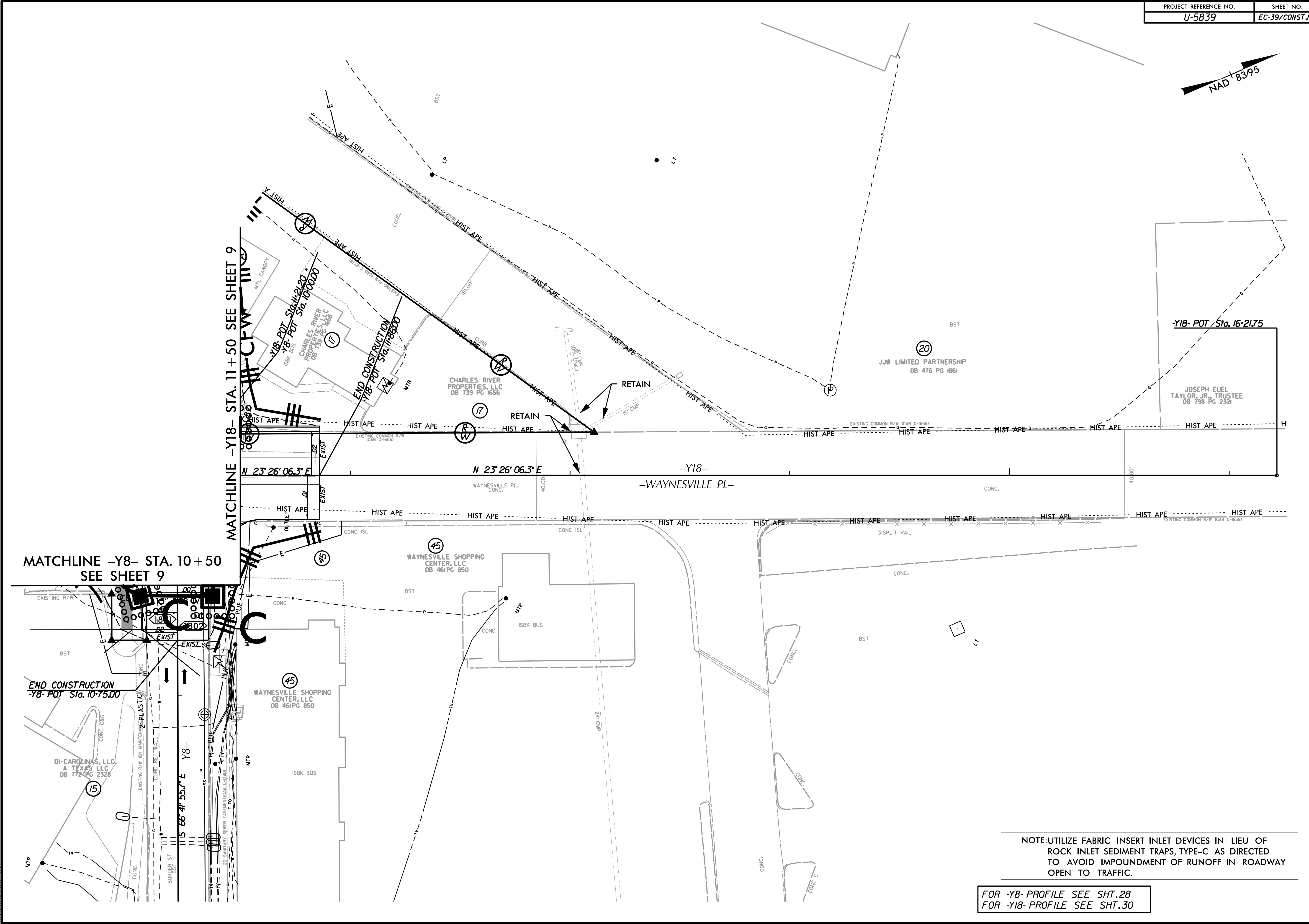
BEGIN CONSTRUCTION
-Y2A- POT Sta. 14+00.00

-Y2A- POT Sta. 10+00.00

MATCHLINE -Y2A- STA. 14+50 SEE SHEET 5

FOR -Y2A- PROFILE SEE SHT. 27

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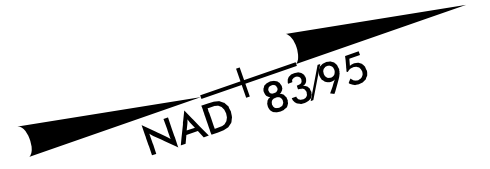
NOTE: UTILIZE FABRIC INSERT INLET DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

FOR -Y8- PROFILE SEE SHT.28
 FOR -Y18- PROFILE SEE SHT.30

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 8/17/99

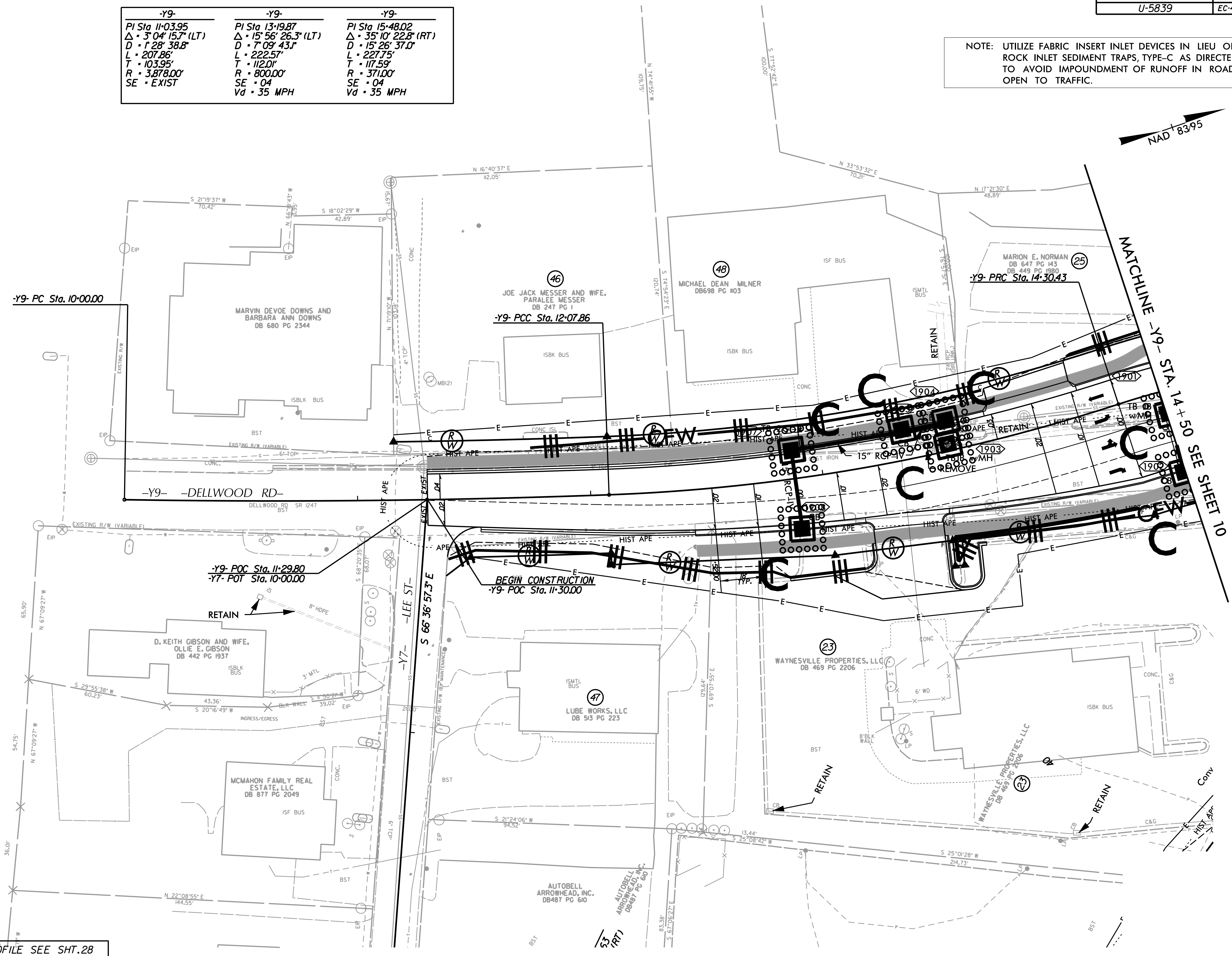
-Y9-	-Y9-	-Y9-
PI Sta 11+03.95	PI Sta 13+19.87	PI Sta 15+48.02
$\Delta \cdot 3^{\circ}04'15.7"$ (LT)	$\Delta \cdot 15^{\circ}56'26.3"$ (LT)	$\Delta \cdot 35^{\circ}10'22.8"$ (RT)
D $\cdot 1^{\circ}28'38.8"$	D $\cdot 7^{\circ}09'43.1"$	D $\cdot 15^{\circ}26'37.0"$
L $\cdot 207.86'$	L $\cdot 222.57'$	L $\cdot 227.75'$
T $\cdot 103.95'$	T $\cdot 112.01'$	T $\cdot 117.59'$
R $\cdot 3.878.00'$	R $\cdot 800.00'$	R $\cdot 371.00'$
SE \cdot EXIST	SE \cdot 04	SE \cdot 04
	Vd \cdot 35 MPH	Vd \cdot 35 MPH

NOTE: UTILIZE FABRIC INSERT INLET DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.



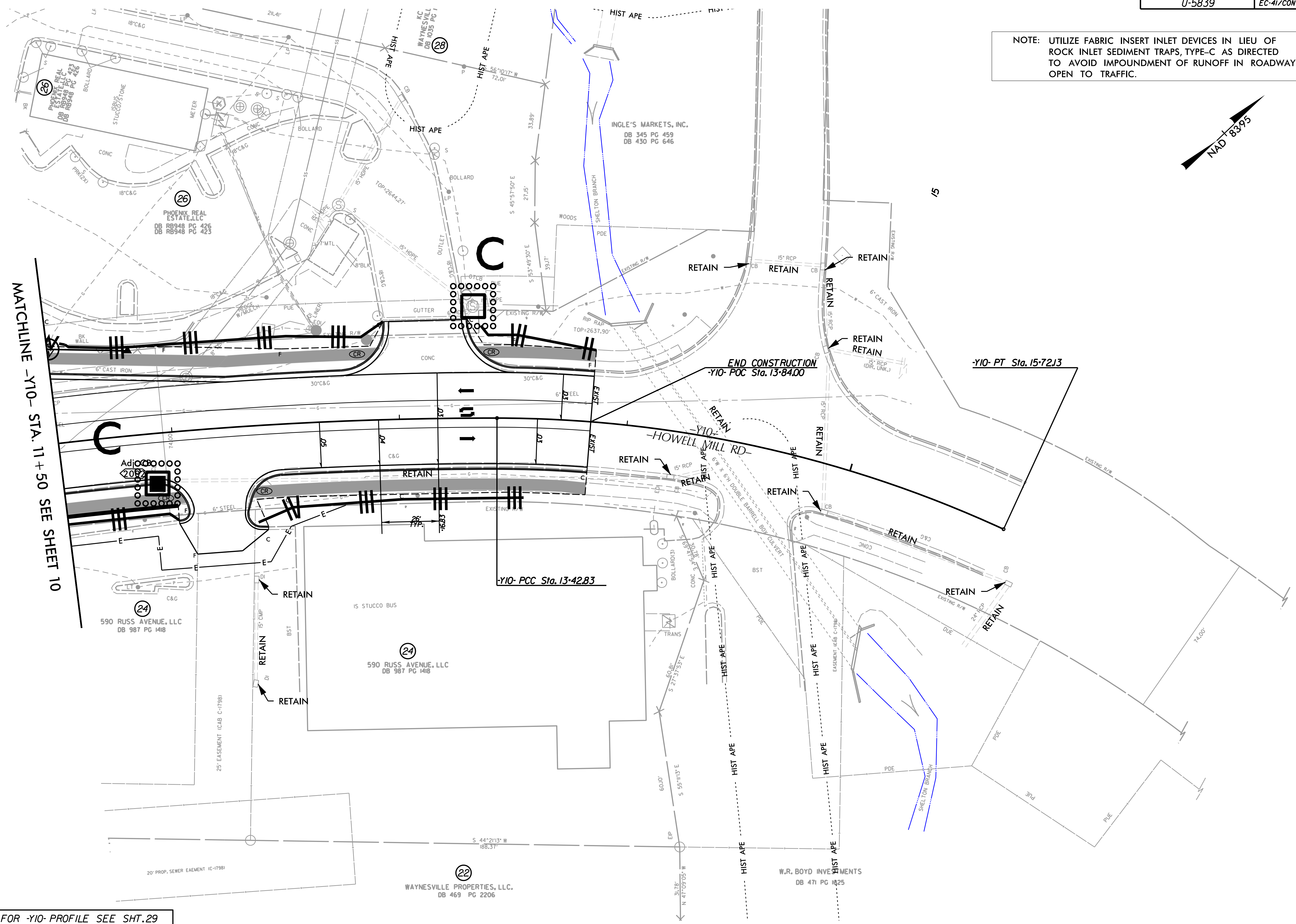
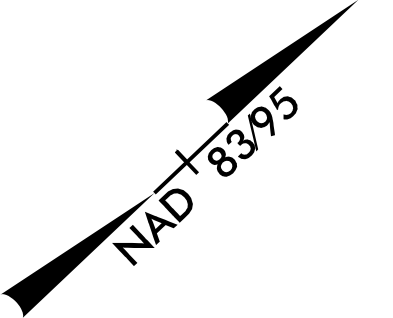
FOR -Y9- PROFILE SEE SHT.28

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MATCHLINE -Y9- STA. 14+50 SEE SHEET 10

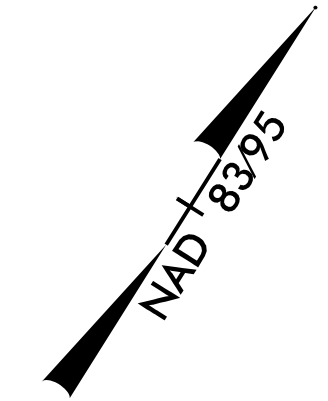
NOTE: UTILIZE FABRIC INSERT INLET DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.



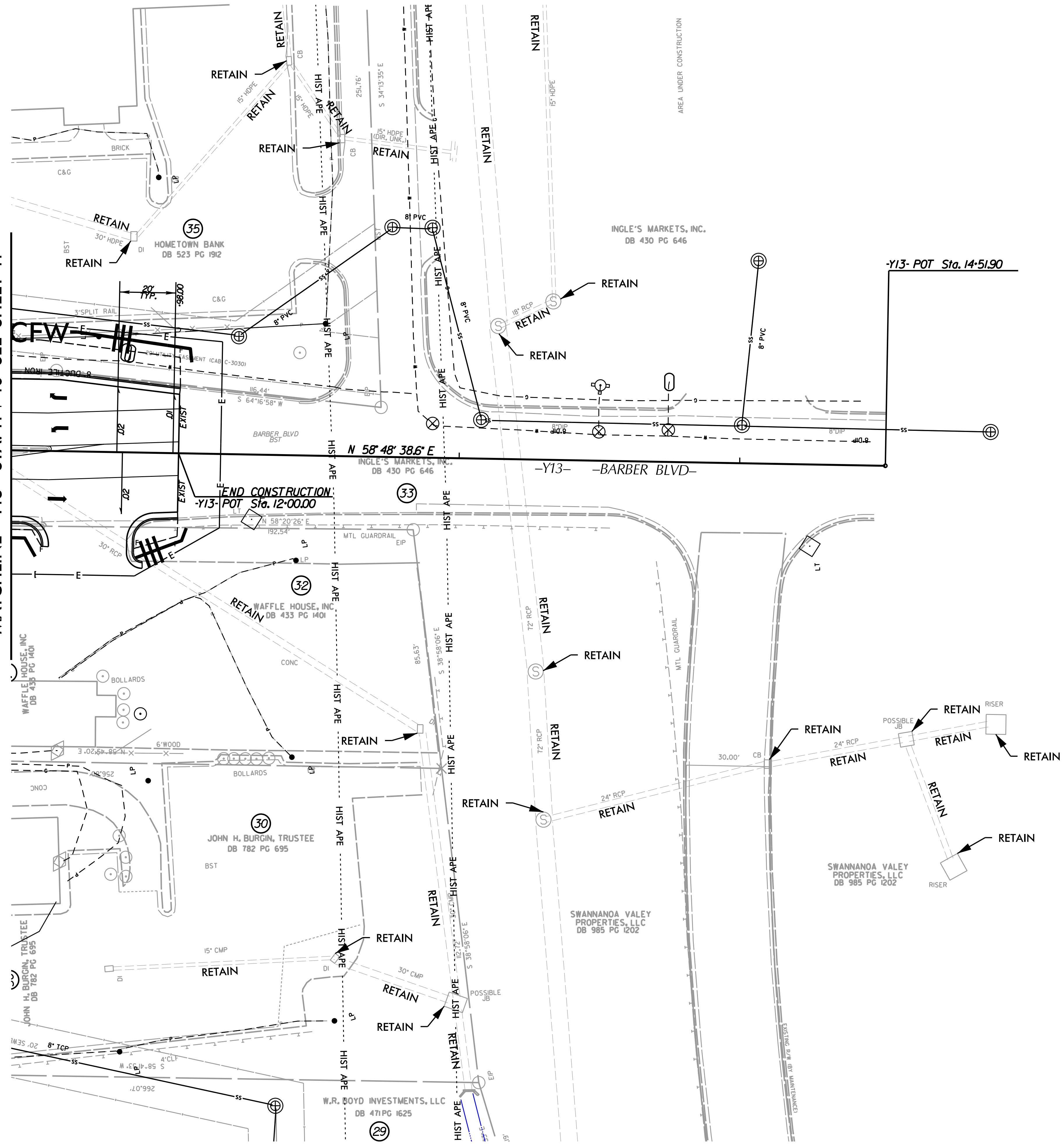
MATCHLINE -Y10- STA. 11+50 SEE SHEET 10

FOR -Y10- PROFILE SEE SHT.29

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MATCHLINE -Y13- STA. 11 + 40 SEE SHEET 11



FOR -Y13- PROFILE SEE SHT.29

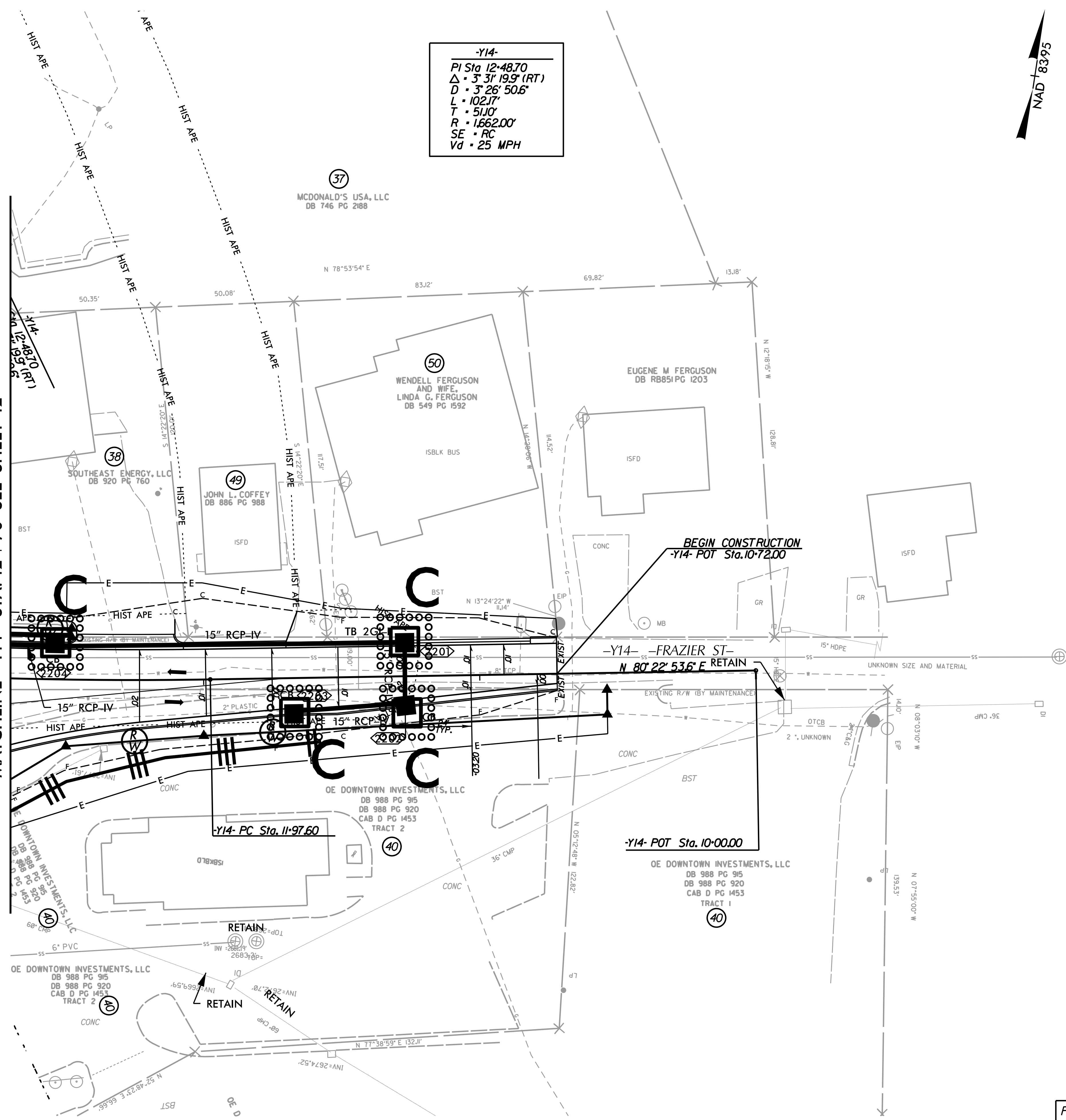
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 8/17/99

NOTE: UTILIZE FABRIC INSERT INLET DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.



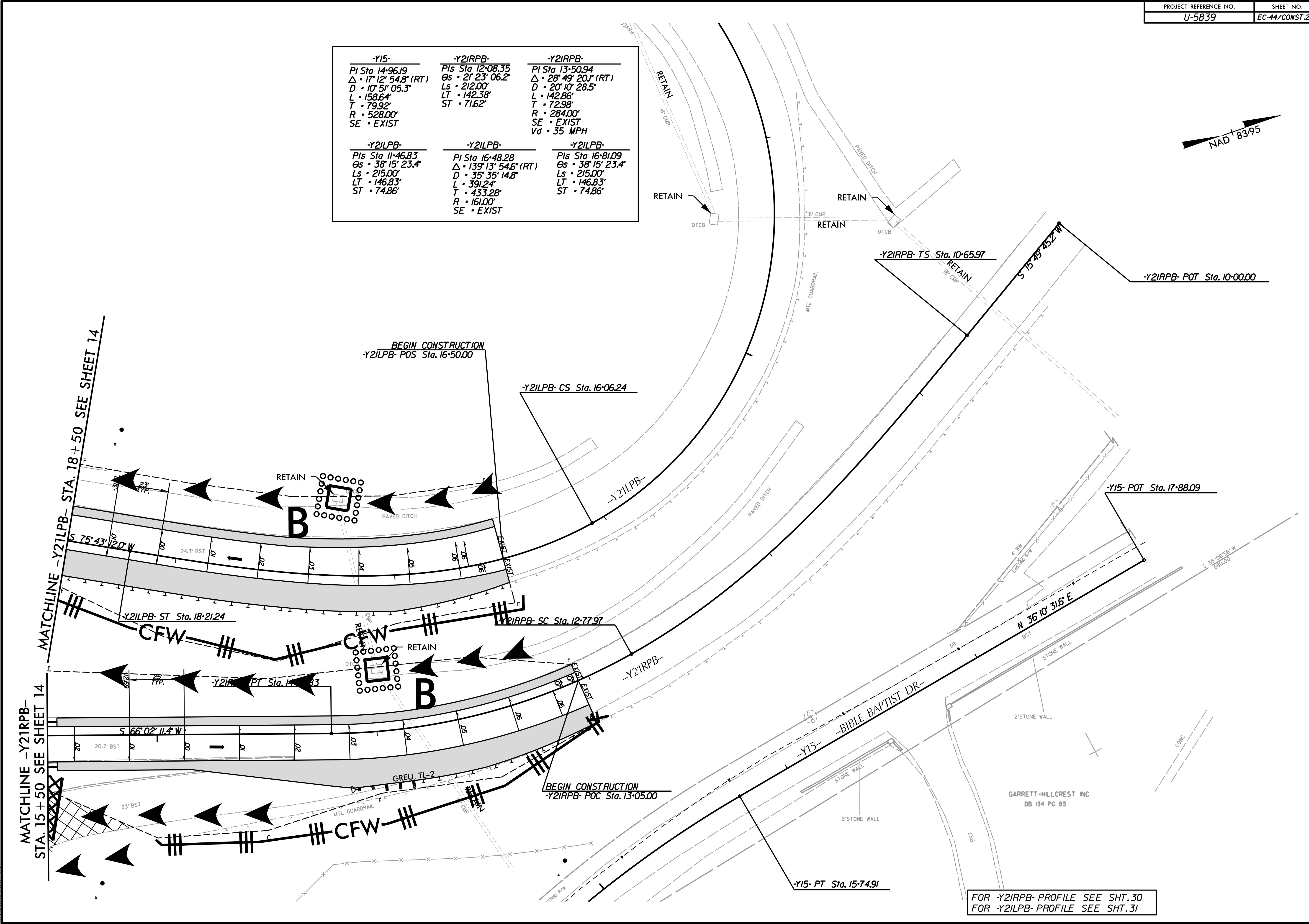
-Y14-
 PI Sta 12+48.70
 $\Delta = 3' 31" 19.9" (RT)$
 $D = 3' 26' 50.6"$
 $L = 102.17'$
 $T = 51.10'$
 $R = 1.662.00'$
 $SE = RC$
 $Vd = 25 MPH$

MATCHLINE -Y14- STA. 12 + 70 SEE SHEET 12



FOR -Y14- PROFILE SEE SHT. 29

<p>-Y15- PI Sta 14+96.19 $\Delta = 17^\circ 12' 54.8" (RT)$ $D = 10^\circ 51' 05.3"$ $L = 158.64'$ $T = 79.92'$ $R = 528.00'$ SE = EXIST</p>	<p>-Y2IRPB- PI Sta 12+08.35 $\Theta_s = 21^\circ 23' 06.2"$ $L_s = 212.00'$ $LT = 142.38'$ $ST = 71.62'$</p>	<p>-Y2IRPB- PI Sta 13+50.94 $\Delta = 28^\circ 49' 20.1" (RT)$ $D = 20^\circ 10' 28.5"$ $L = 142.86'$ $T = 72.98'$ $R = 284.00'$ SE = EXIST $V_d = 35 \text{ MPH}$</p>
<p>-Y2ILPB- PI Sta 11+46.83 $\Theta_s = 38^\circ 15' 23.4"$ $L_s = 215.00'$ $LT = 146.83'$ $ST = 74.86'$</p>	<p>-Y2ILPB- PI Sta 16+48.28 $\Delta = 139^\circ 13' 54.6" (RT)$ $D = 35^\circ 35' 14.8"$ $L = 391.24'$ $T = 433.28'$ $R = 161.00'$ SE = EXIST</p>	<p>-Y2ILPB- PI Sta 16+81.09 $\Theta_s = 38^\circ 15' 23.4"$ $L_s = 215.00'$ $LT = 146.83'$ $ST = 74.86'$</p>

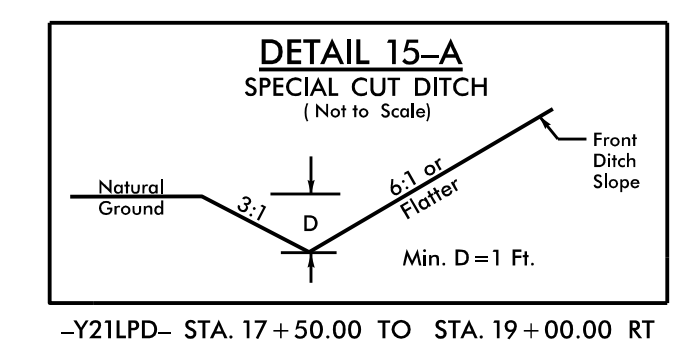
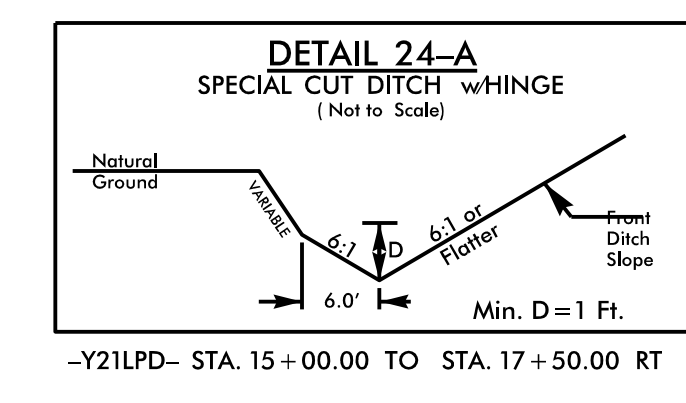
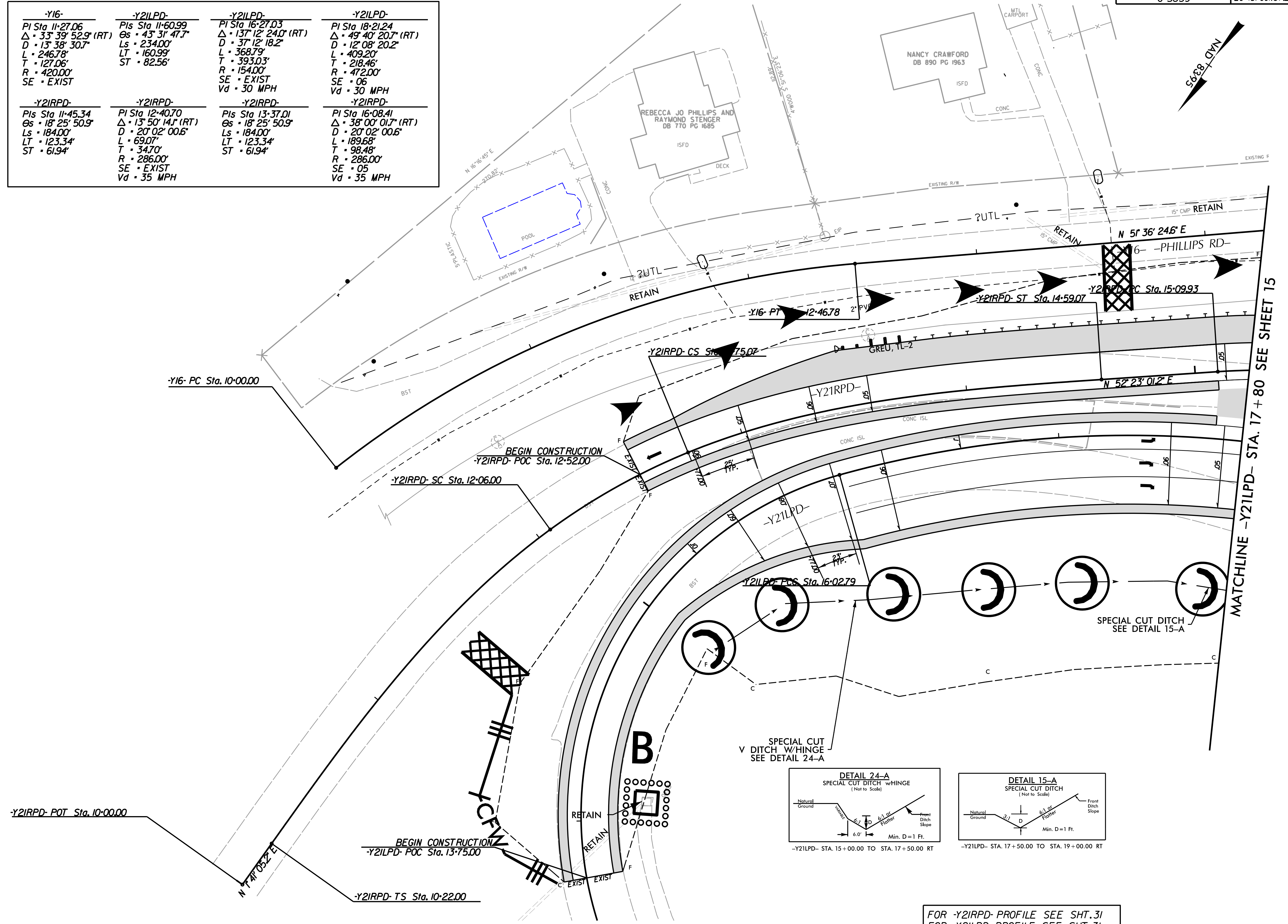


FOR -Y2IRPB- PROFILE SEE SHT.30
 FOR -Y2ILPB- PROFILE SEE SHT.31

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<p>-Y16- PI Sta 11-27.06 $\Delta = 33^{\circ} 39' 52.9"$ (RT) D = 13' 38" 30.7" L = 246.78' T = 127.06' R = 420.00' SE = EXIST</p>	<p>-Y21LPD- PIs Sta 11-60.99 $\Theta_s = 43^{\circ} 31' 47.7"$ Ls = 234.00' LT = 160.99' ST = 82.56'</p>	<p>-Y21LPD- PI Sta 16-27.03 $\Delta = 137^{\circ} 12' 24.0"$ (RT) D = 37' 12" 18.2" L = 368.79' T = 393.03' R = 154.00' SE = EXIST Vd = 30 MPH</p>	<p>-Y21LPD- PI Sta 18-21.24 $\Delta = 49^{\circ} 40' 20.7"$ (RT) D = 12' 08" 20.2" L = 409.20' T = 218.46' R = 472.00' SE = 06 Vd = 30 MPH</p>
<p>-Y21RPD- PIs Sta 11-45.34 $\Theta_s = 18^{\circ} 25' 50.9"$ Ls = 184.00' LT = 123.34' ST = 61.94'</p>	<p>-Y21RPD- PI Sta 12-40.70 $\Delta = 13^{\circ} 50' 14.1"$ (RT) D = 20' 02" 00.6" L = 69.07' T = 34.70' R = 286.00' SE = EXIST Vd = 35 MPH</p>	<p>-Y21RPD- PIs Sta 13-37.01 $\Theta_s = 18^{\circ} 25' 50.9"$ Ls = 184.00' LT = 123.34' ST = 61.94'</p>	<p>-Y21RPD- PI Sta 16-08.41 $\Delta = 38^{\circ} 00' 01.7"$ (RT) D = 20' 02" 00.6" L = 189.68' T = 98.48' R = 286.00' SE = 05 Vd = 35 MPH</p>

REVISIONS



FOR -Y21RPD- PROFILE SEE SHT.31
 FOR -Y21LPD- PROFILE SEE SHT.31

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