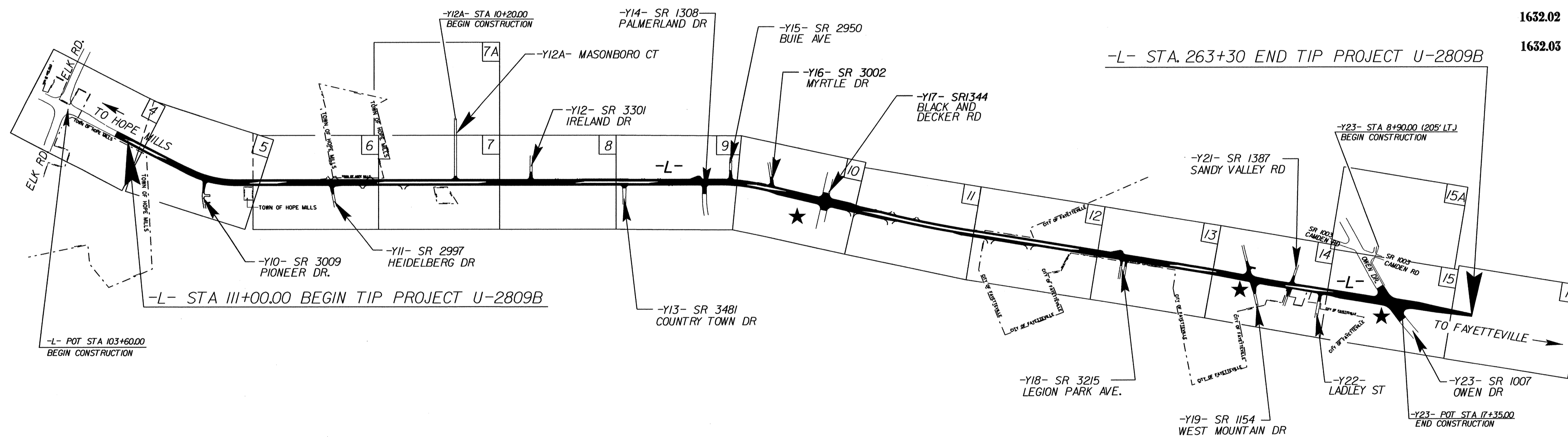
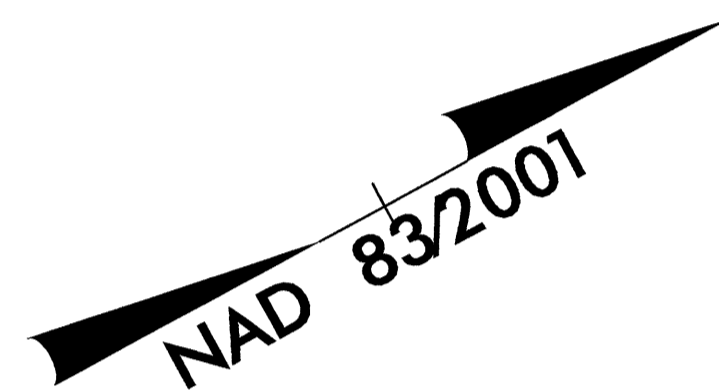


TIP PROJECT: U-2809B

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

**LOCATION: SR 1132 (LEGION RD) FROM SR 1363 (ELK RD)
 TO SR 1007 (OWEN DR) IN FAYETTEVILLE**

**TYPE OF WORK: WIDENING, GRADING, PAVING, DRAINAGE,
 SIGNING AND SIGNALS.**



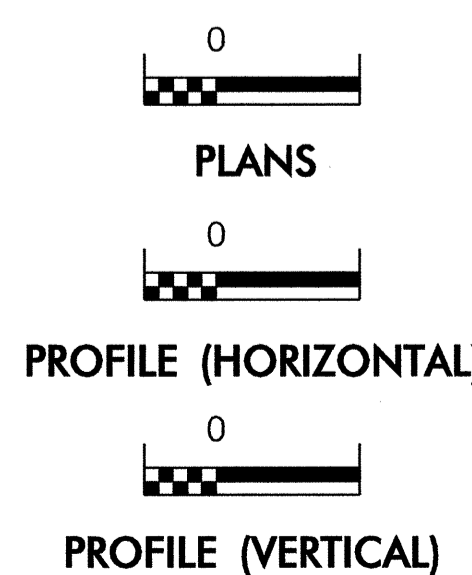
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-2809B	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	---
1630.05	Temporary Diversion	---
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	---X---
1622.01	Temporary Berms and Slope Drains	---▲---
1630.02	Silt Basin Type B	---X---
1633.01	Temporary Rock Silt Check Type-A	---X---
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	---X---
1633.02	Temporary Rock Silt Check Type-B	---▲---
	Wattle / Coir Fiber Wattle	---▲---
	Wattle / Coir Fiber Wattle with Polyacrylamide (PAM)	---▲---
1634.01	Temporary Rock Sediment Dam Type-A	---X---
1634.02	Temporary Rock Sediment Dam Type-B	---X---
1635.01	Rock Pipe Inlet Sediment Trap Type-A	---X---
1635.02	Rock Pipe Inlet Sediment Trap Type-B	---X---
1630.04	Stilling Basin	---X---
1630.06	Special Stilling Basin	---X---
	Rock Inlet Sediment Trap:	
1632.01	Type A	A
1632.02	Type B	B
1632.03	Type C	C
	Skimmer Basin	---X---
	Tiered Skimmer Basin	---X---
	Infiltration Basin	---X---

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

GRAPHIC SCALE



ROADSIDE ENVIRONMENTAL UNIT
 DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY
 WITH THE REGULATIONS SET FORTH BY THE
 NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 3, 2011
 ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND
 NATURAL RESOURCES DIVISION OF WATER QUALITY.

Prepared in the Office of:
ROADSIDE ENVIRONMENTAL UNIT
 1 South Wilmington St.
 Raleigh, NC 27611
2012 STANDARD SPECIFICATIONS

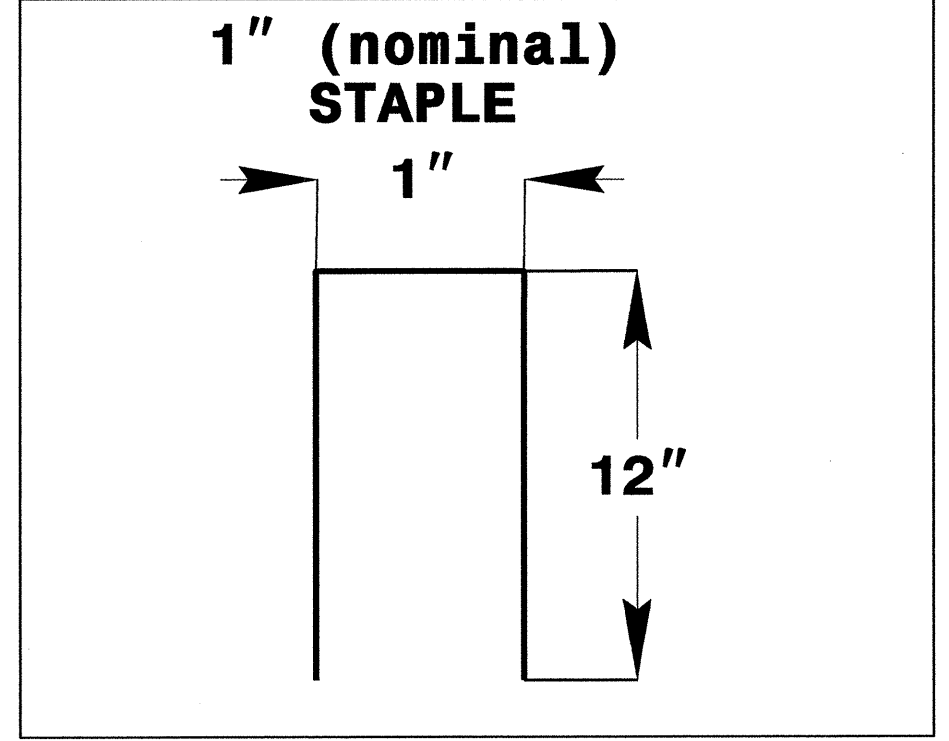
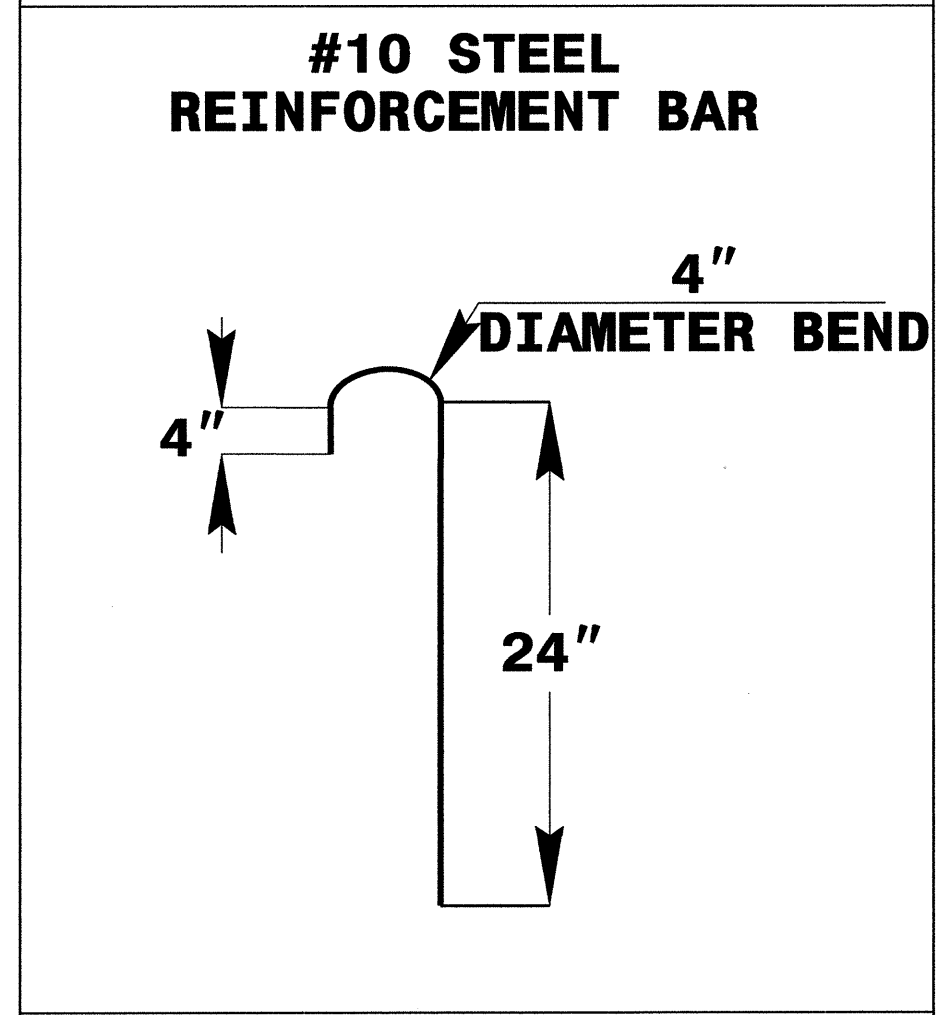
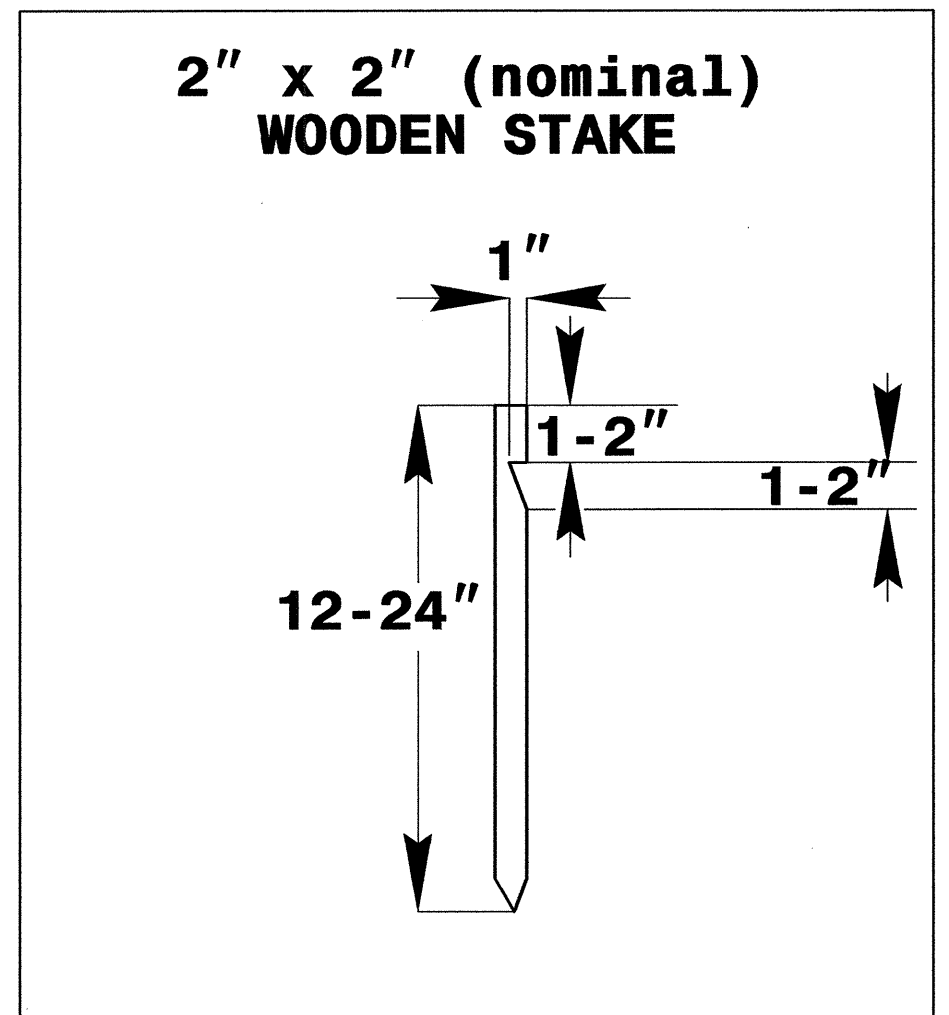
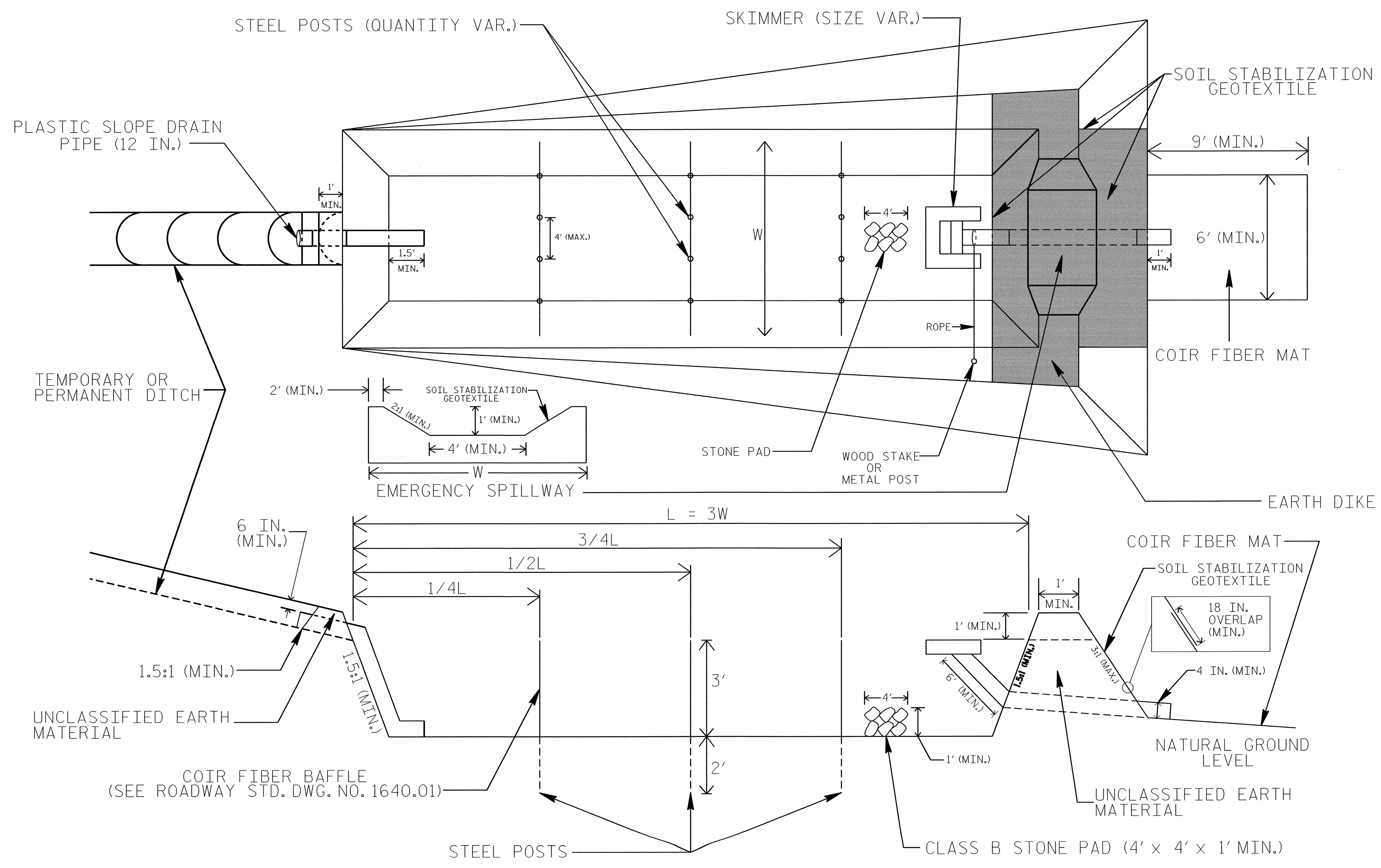
Roadway Standard Drawings

The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2012 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	

PROJECT REFERENCE NO. U-2809B	SHEET NO. EC-02
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SKIMMER BASIN WITH BAFFLES DETAIL



COIR FIBER MAT ANCHOR OPTIONS

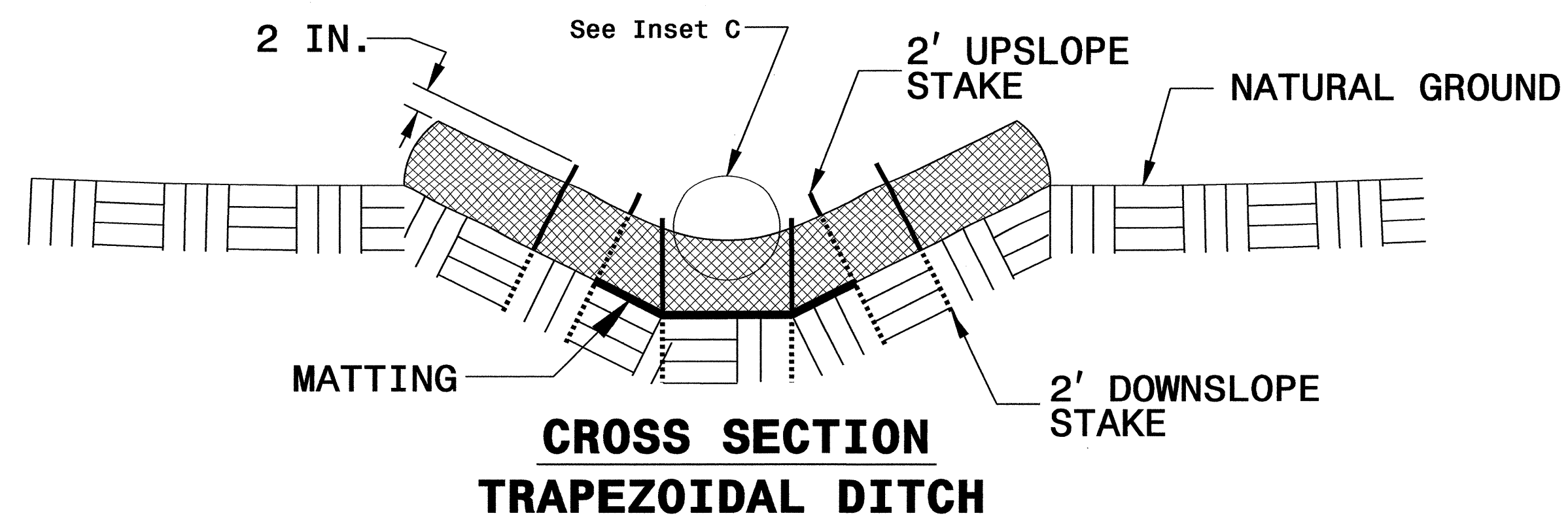
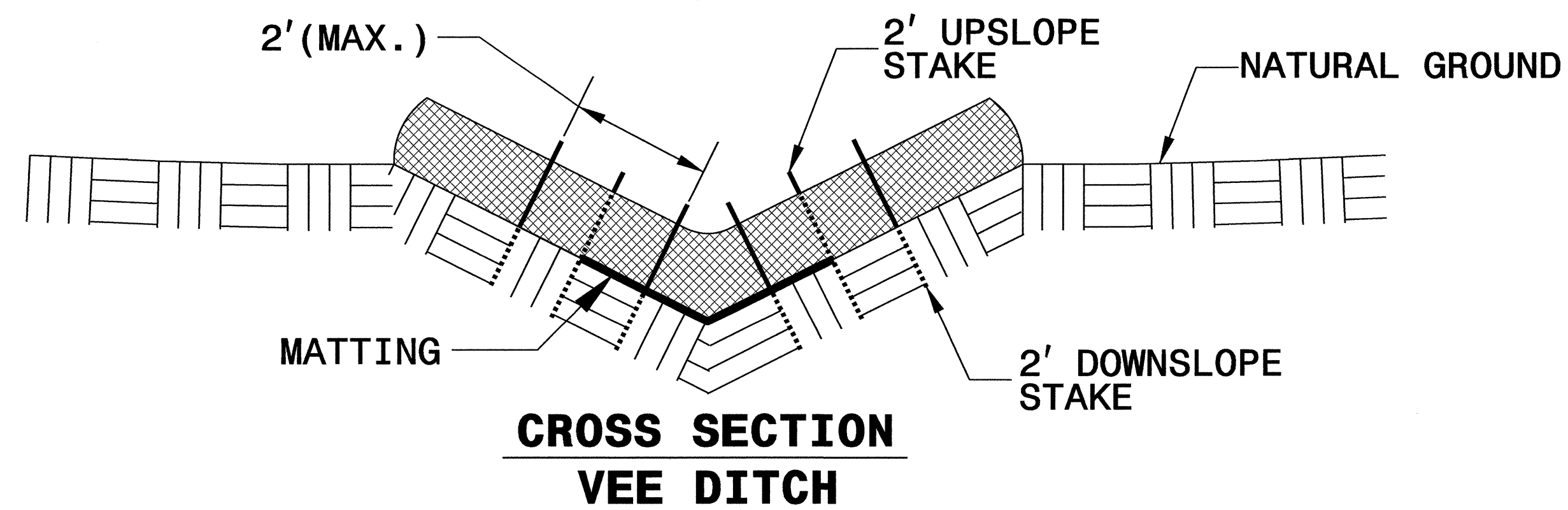
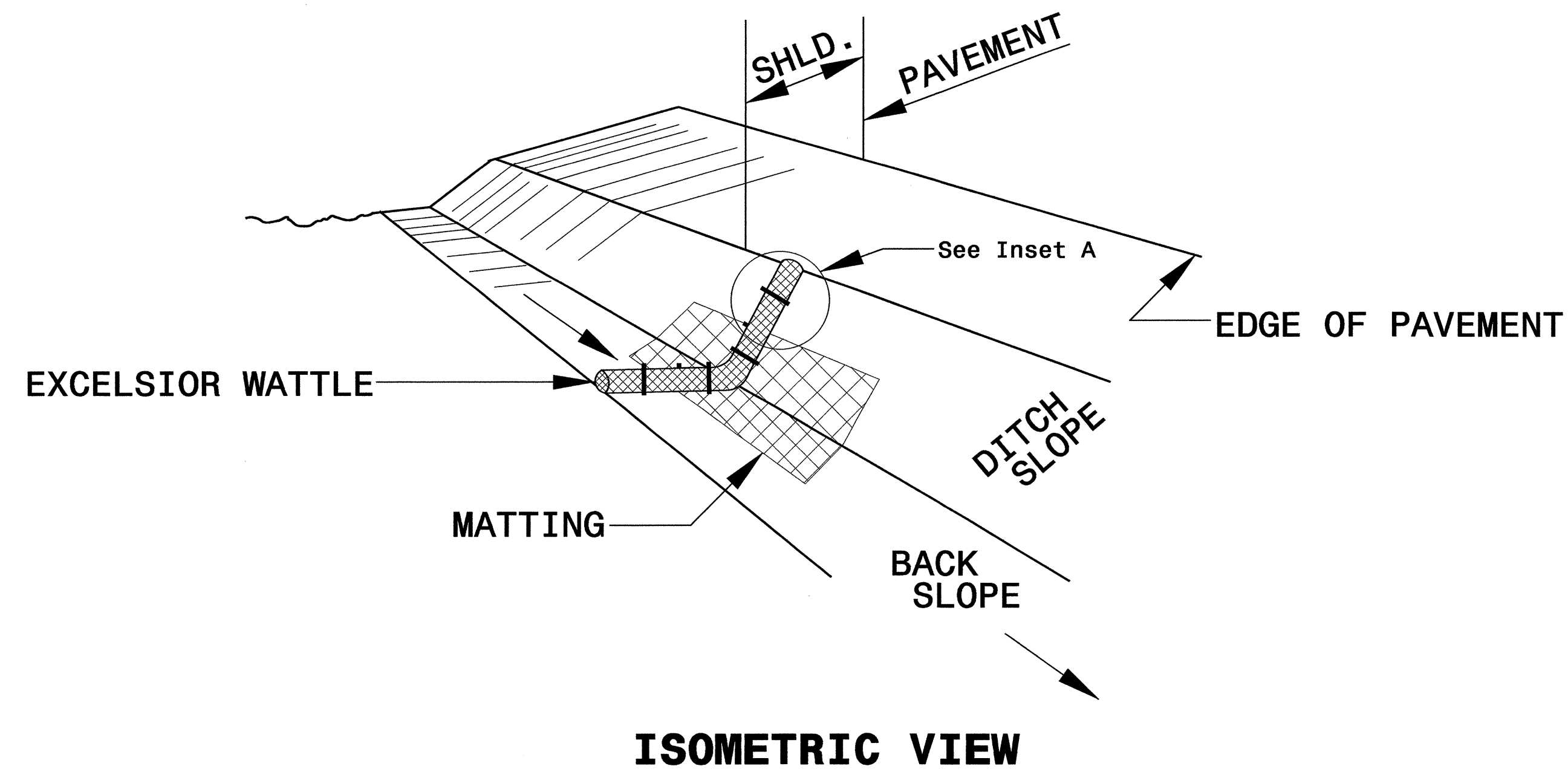
NOTES

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

NOT TO SCALE

PROJECT REFERENCE NO. U-2809B	SHEET NO. EC-2A
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.

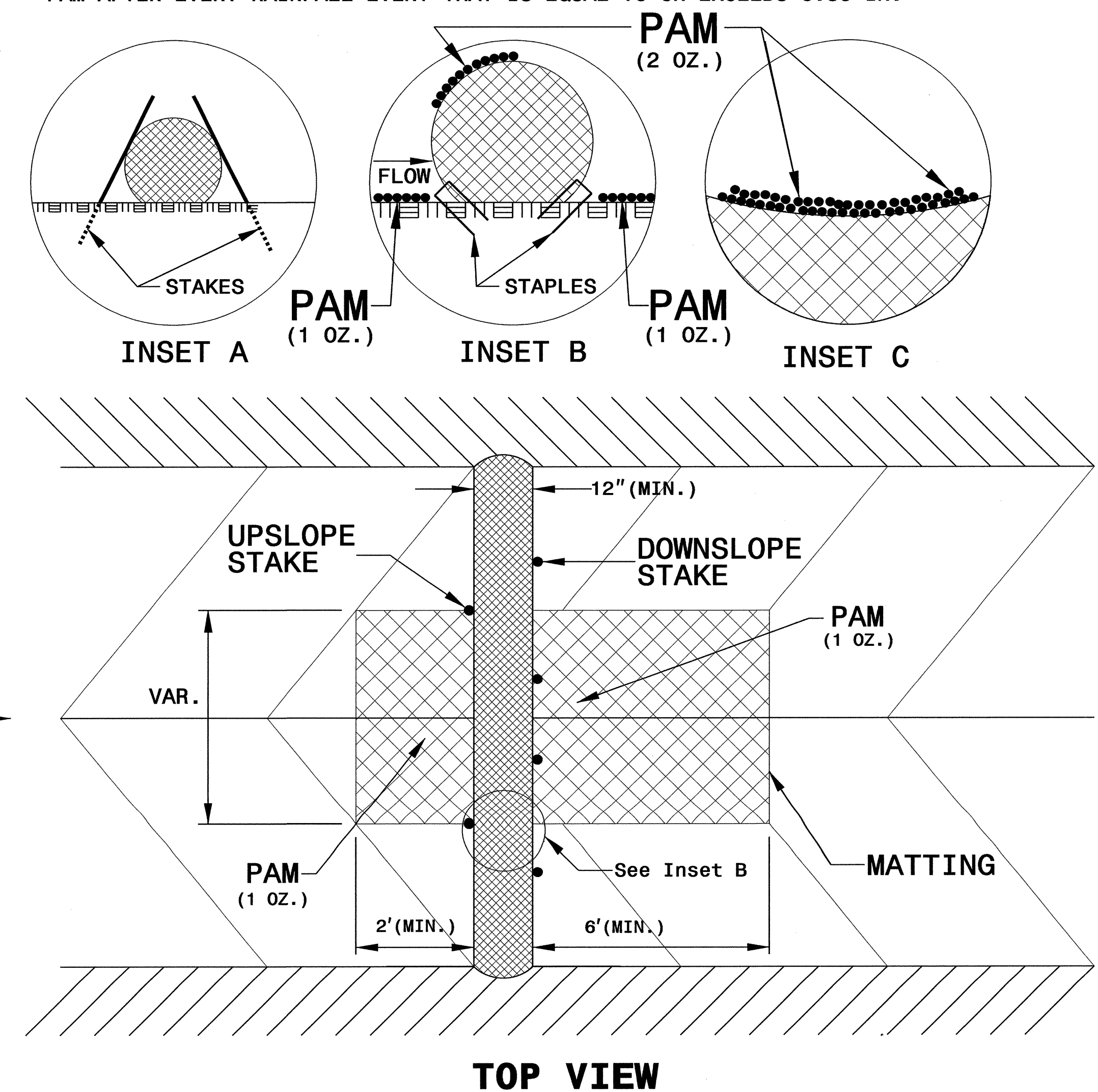
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

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.

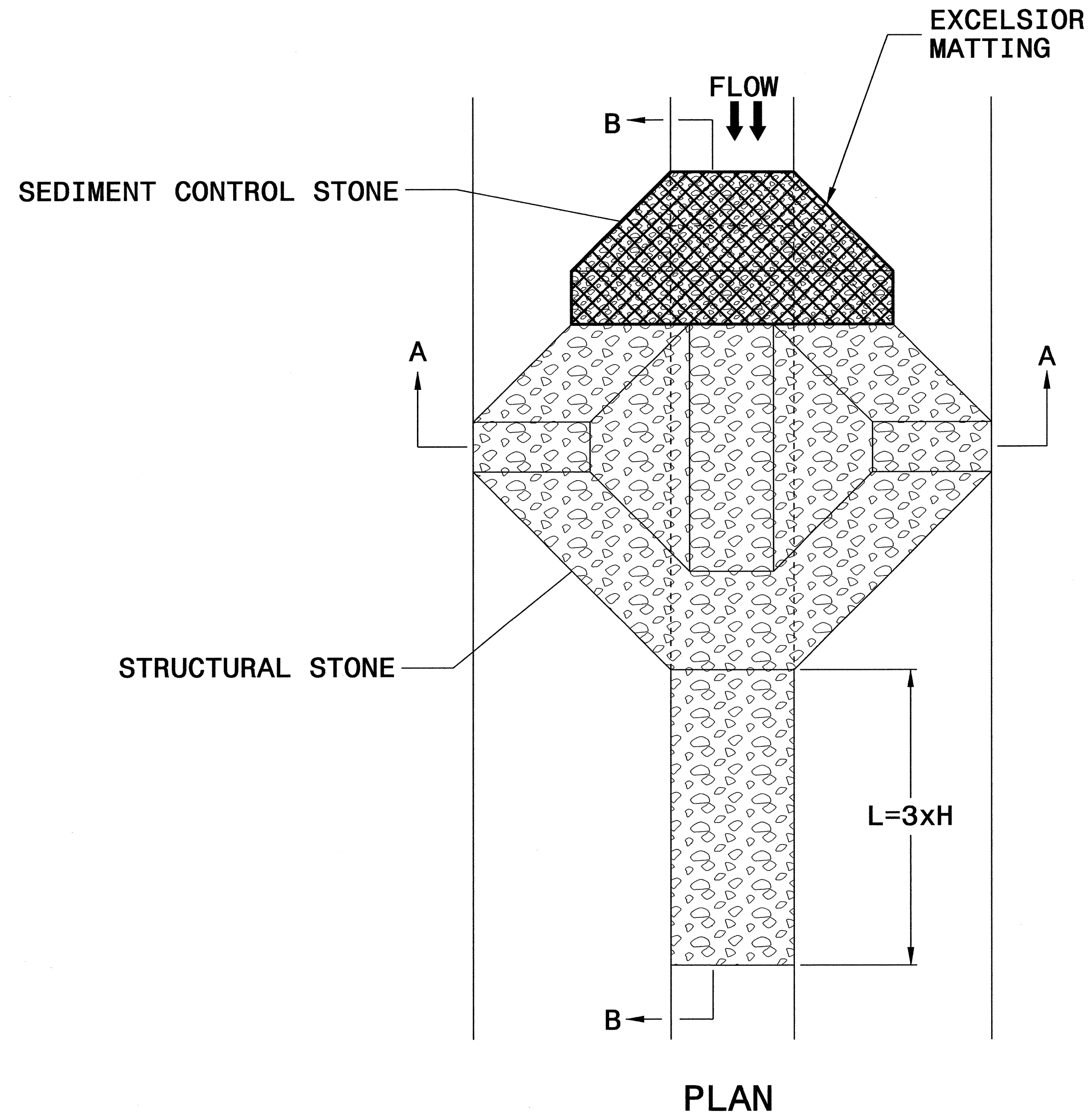
PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH WATTLE.

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-2809B	SHEET NO. EC-2B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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

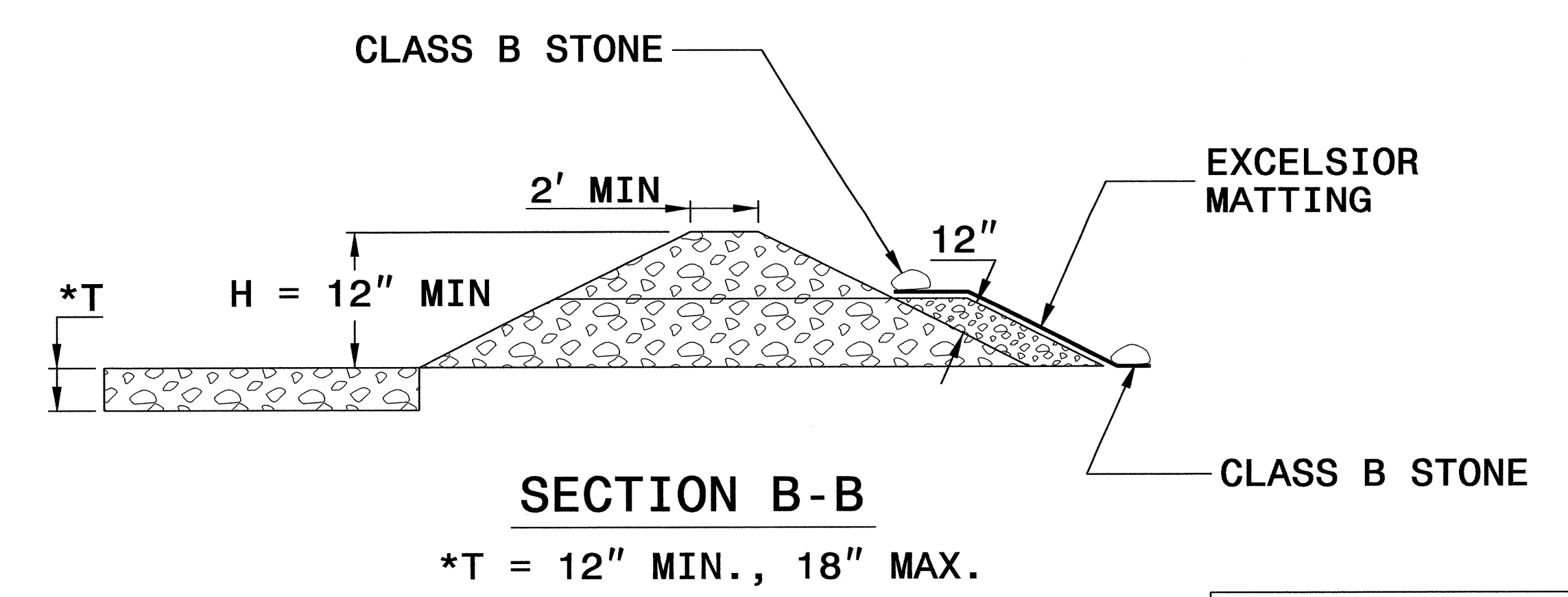
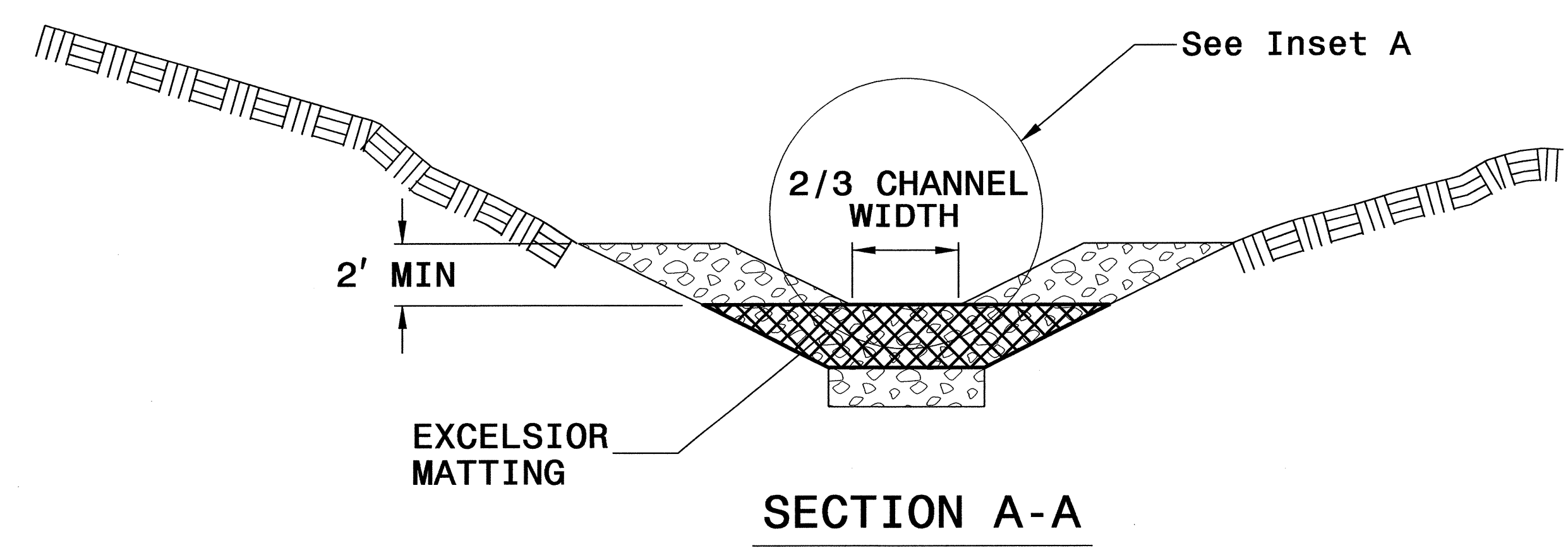
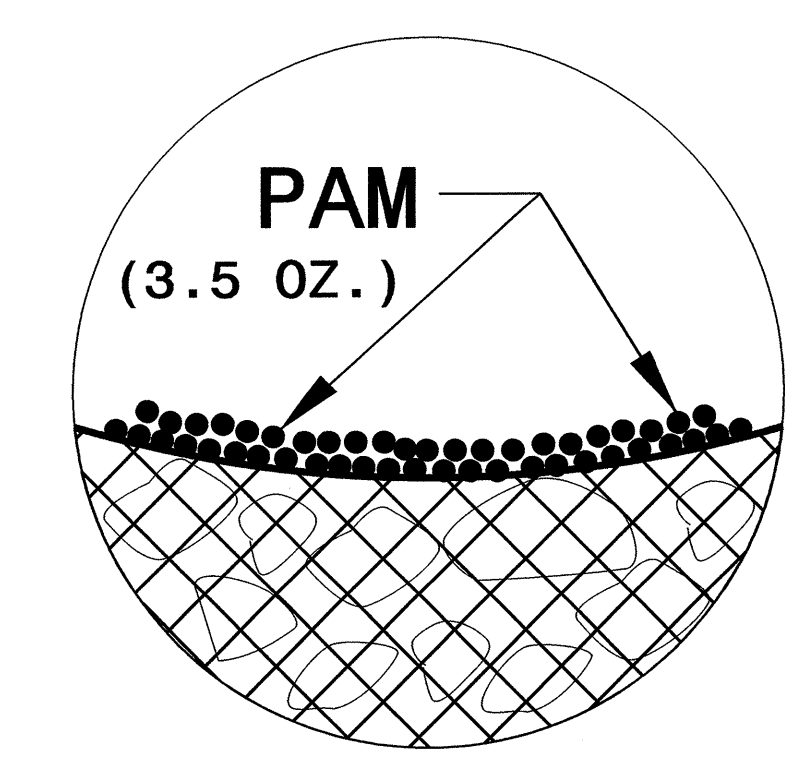


NOTES

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

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

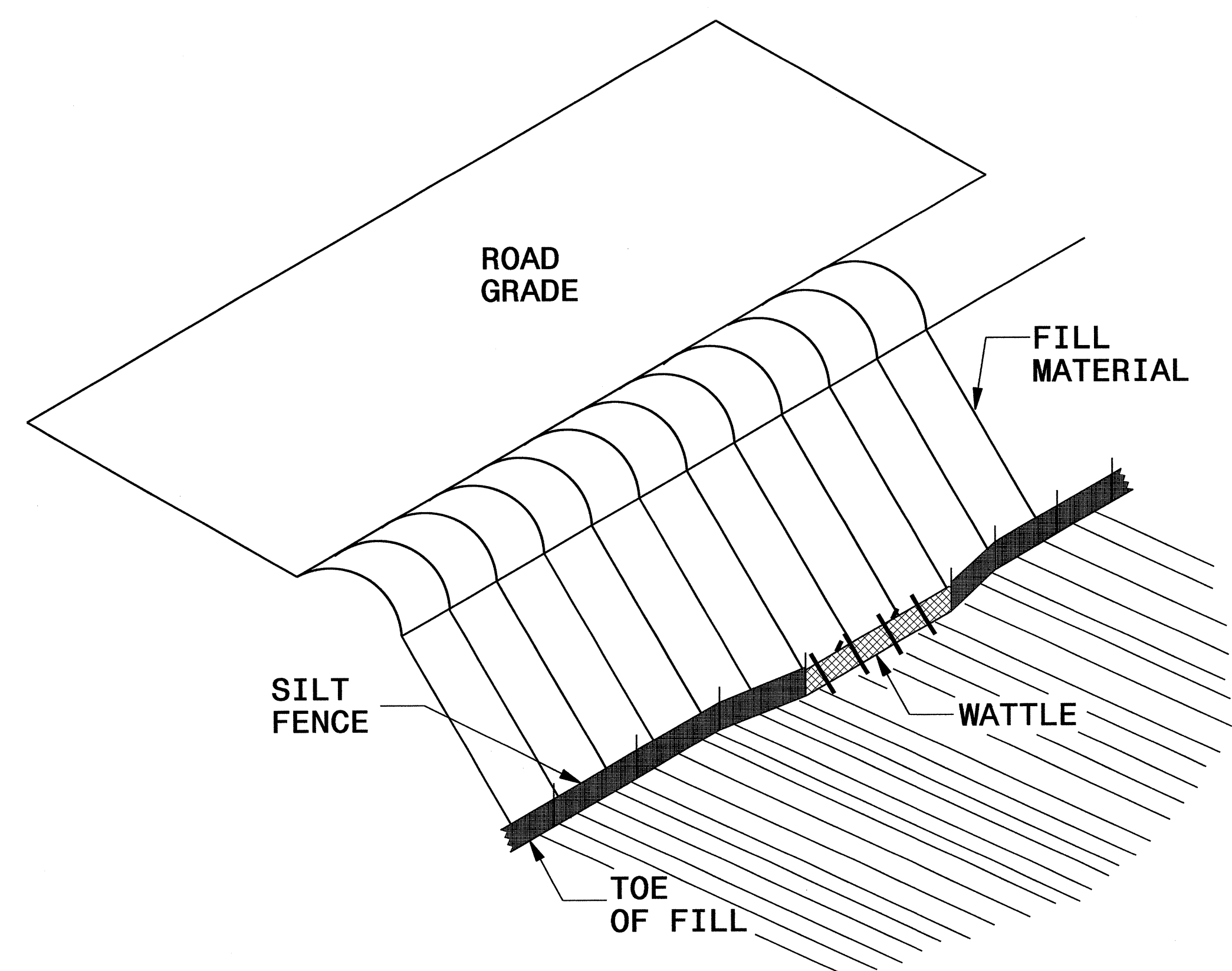
INITIALLY APPLY 3.5 OUNCES OF POLYACRYLAMIDE (PAM) TO TOP OF MATTING SECTION AND AFTER EVERY RAINFALL EVENT THAT EQUALS OR EXCEEDS 0.50 INCHES.



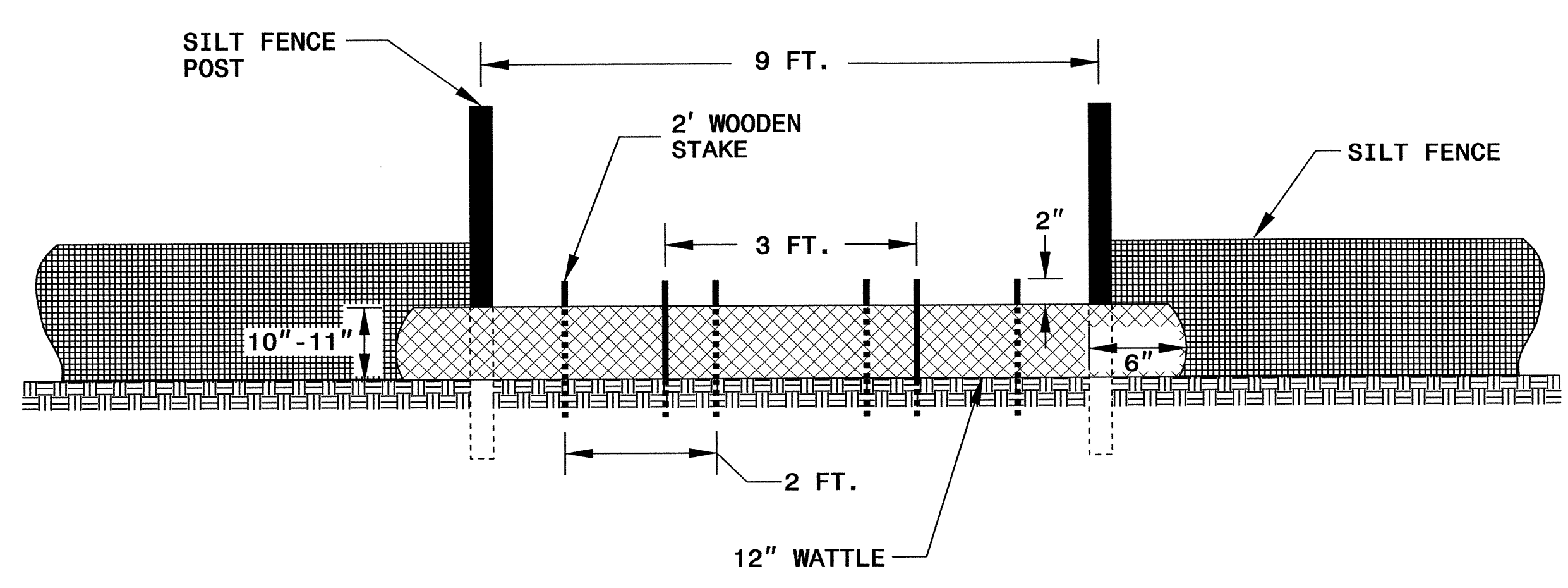
NOT TO SCALE

SILT FENCE COIR FIBER WATTLE BREAK DETAIL

PROJECT REFERENCE NO. U-2809B	SHEET NO. EC-2C
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



ISOMETRIC VIEW

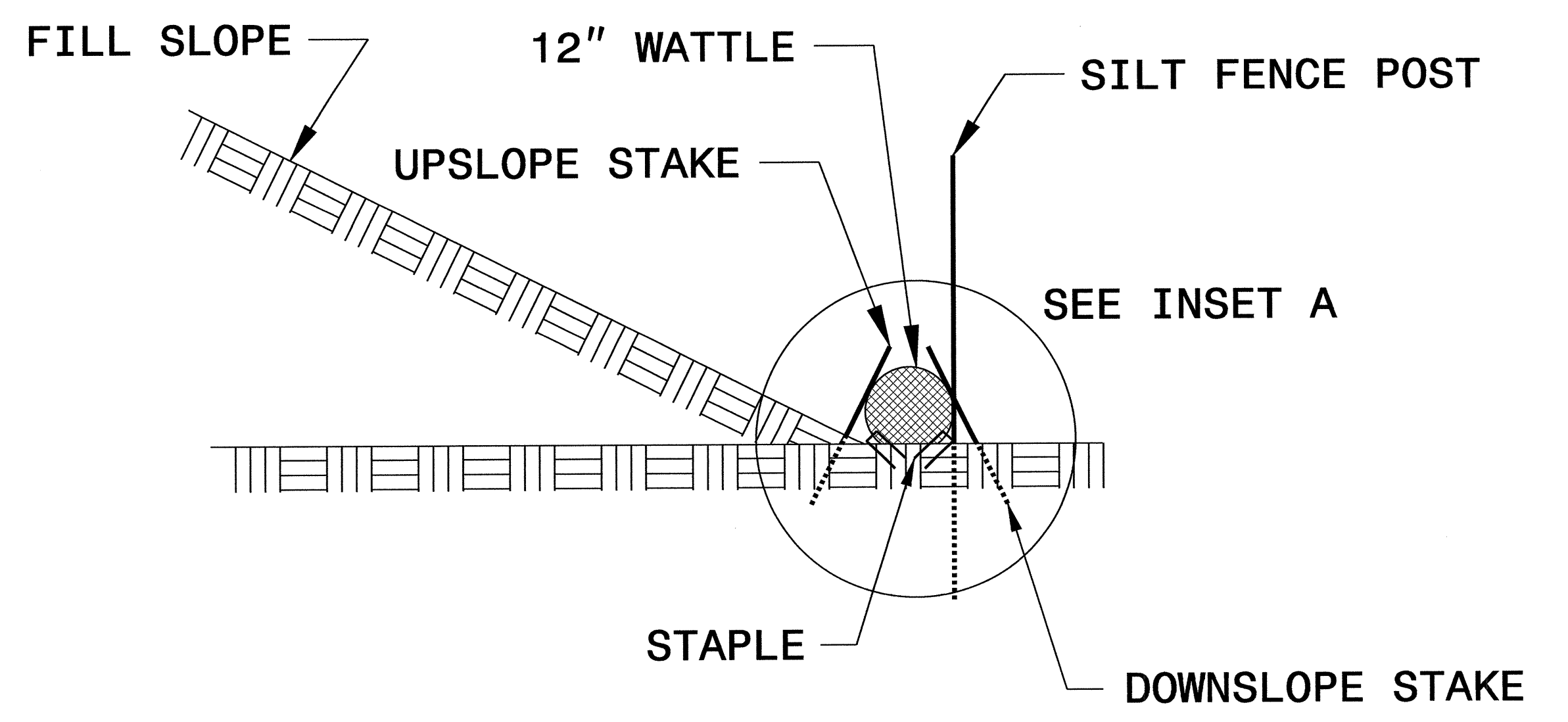
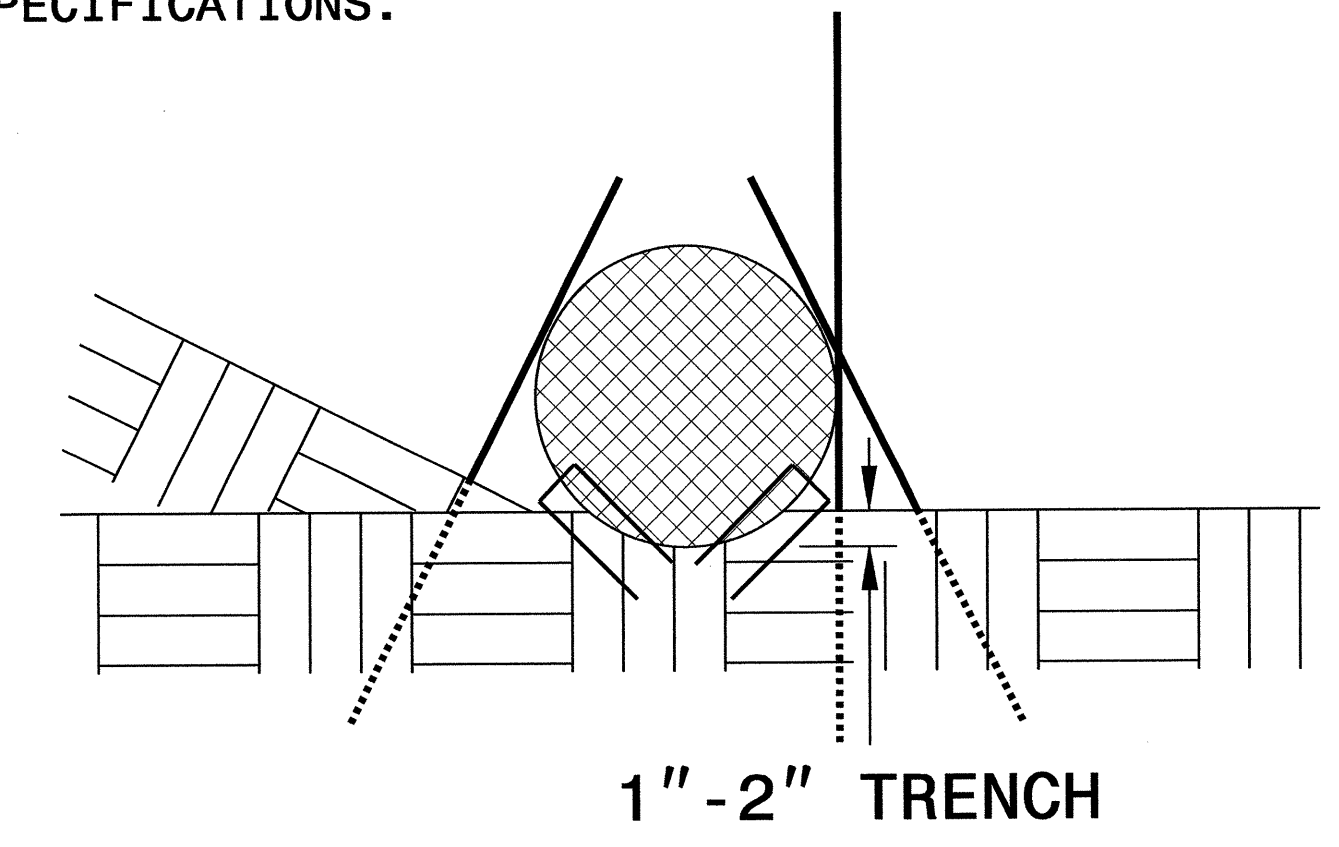


VIEW FROM SLOPE

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



SIDE VIEW

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO. <i>U-2809B</i>	SHEET NO. <i>EC-3A</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SOIL STABILIZATION TIMEFRAMES

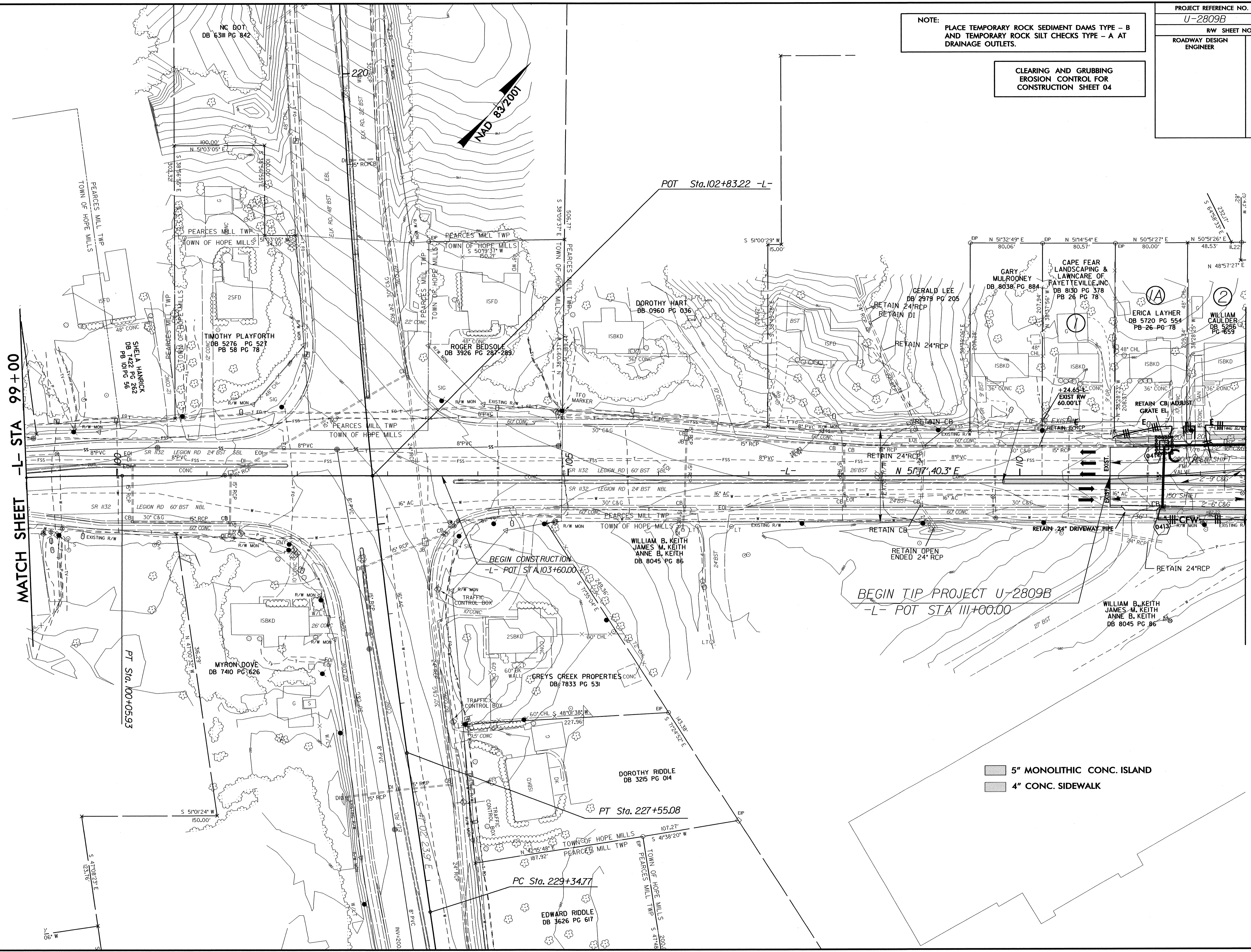
<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES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

PROJECT REFERENCE NO.	SHEET NO.
U-2809B	EC-04/CONST.04
R/W 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 04

8/17/99
22-MAY-2012 09:00
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A:\REVISIONS



MATCH SHEET -L- STA 99+00

MATCH SHEET 5 -L- STA 112+50

5" MONOLITHIC CONC. ISLAND
4" CONC. SIDEWALK

BEGIN TIP PROJECT U-2809B
-L- POT STA 111+00.00

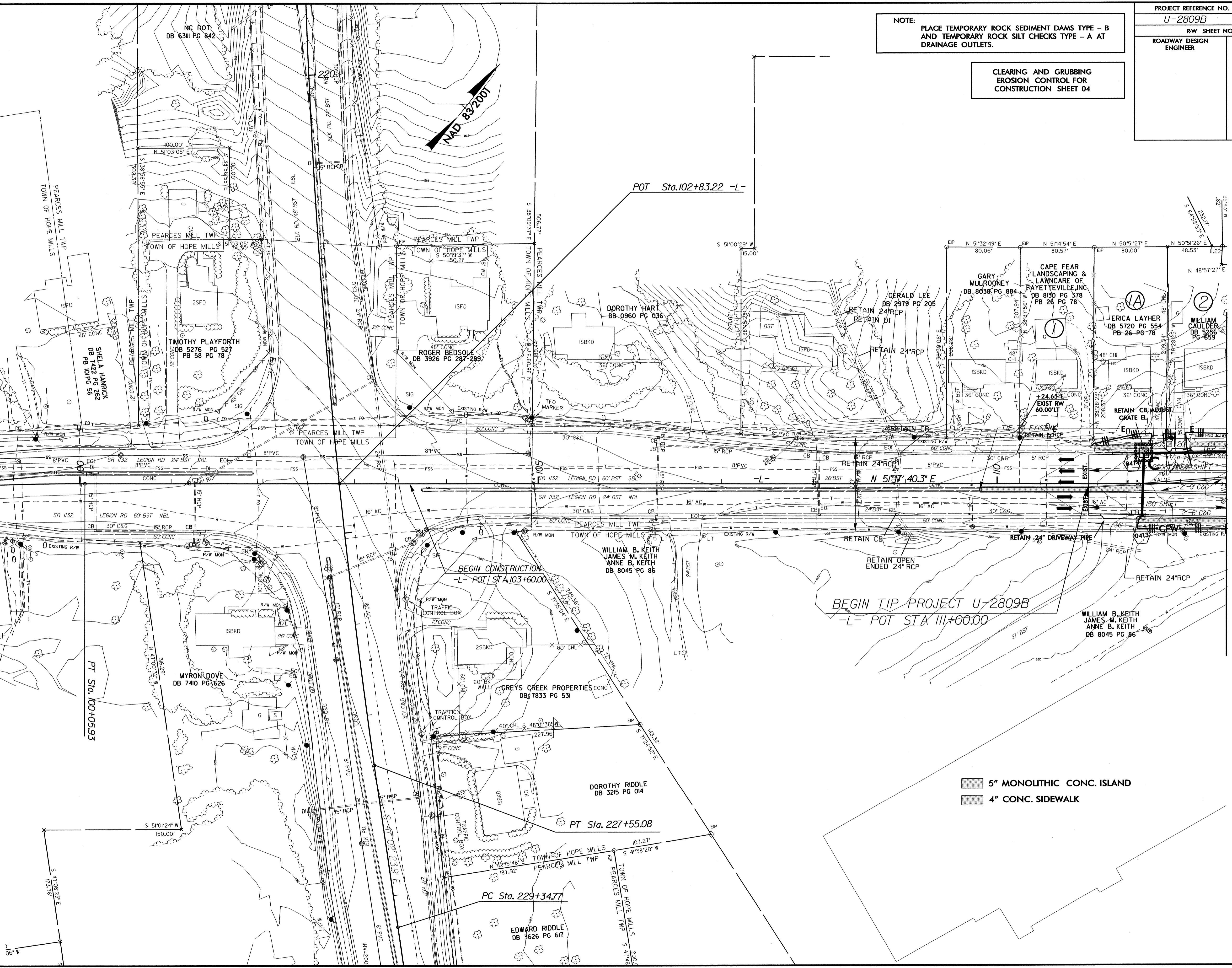
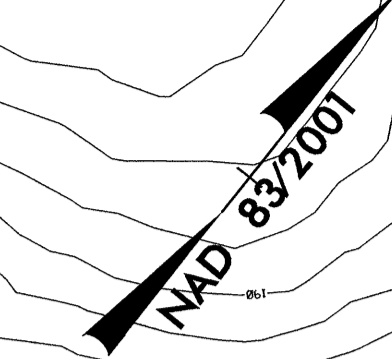
BEGIN CONSTRUCTION
-L- POT STA 103+60.00

POT Sta.102+83.22 -L-

PC Sta. 229+34.77

PT Sta. 227+55.08

PT Sta. 100+05.93



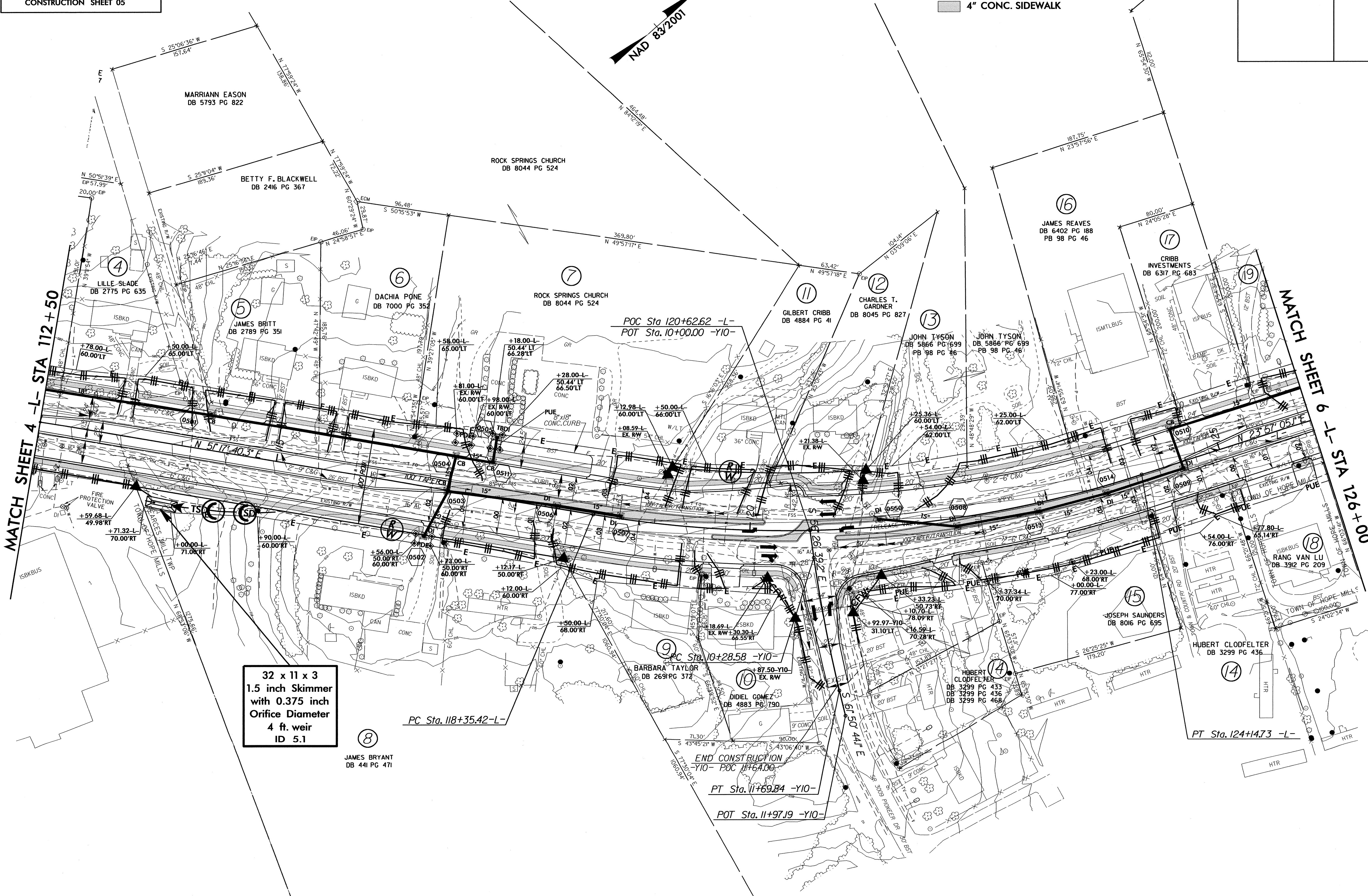
8/17/99

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 05

PROJECT REFERENCE NO.	SHEET NO.
U-2809B	EC-05/CONST.05
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

5" MONOLITHIC CONC. ISLAND
4" CONC. SIDEWALK



32 x 11 x 3
1.5 inch Skimmer
with 0.375 inch
Orifice Diameter
4 ft. weir
ID 5.1

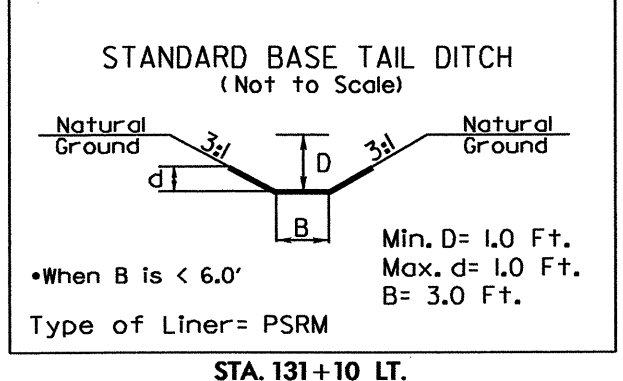
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RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

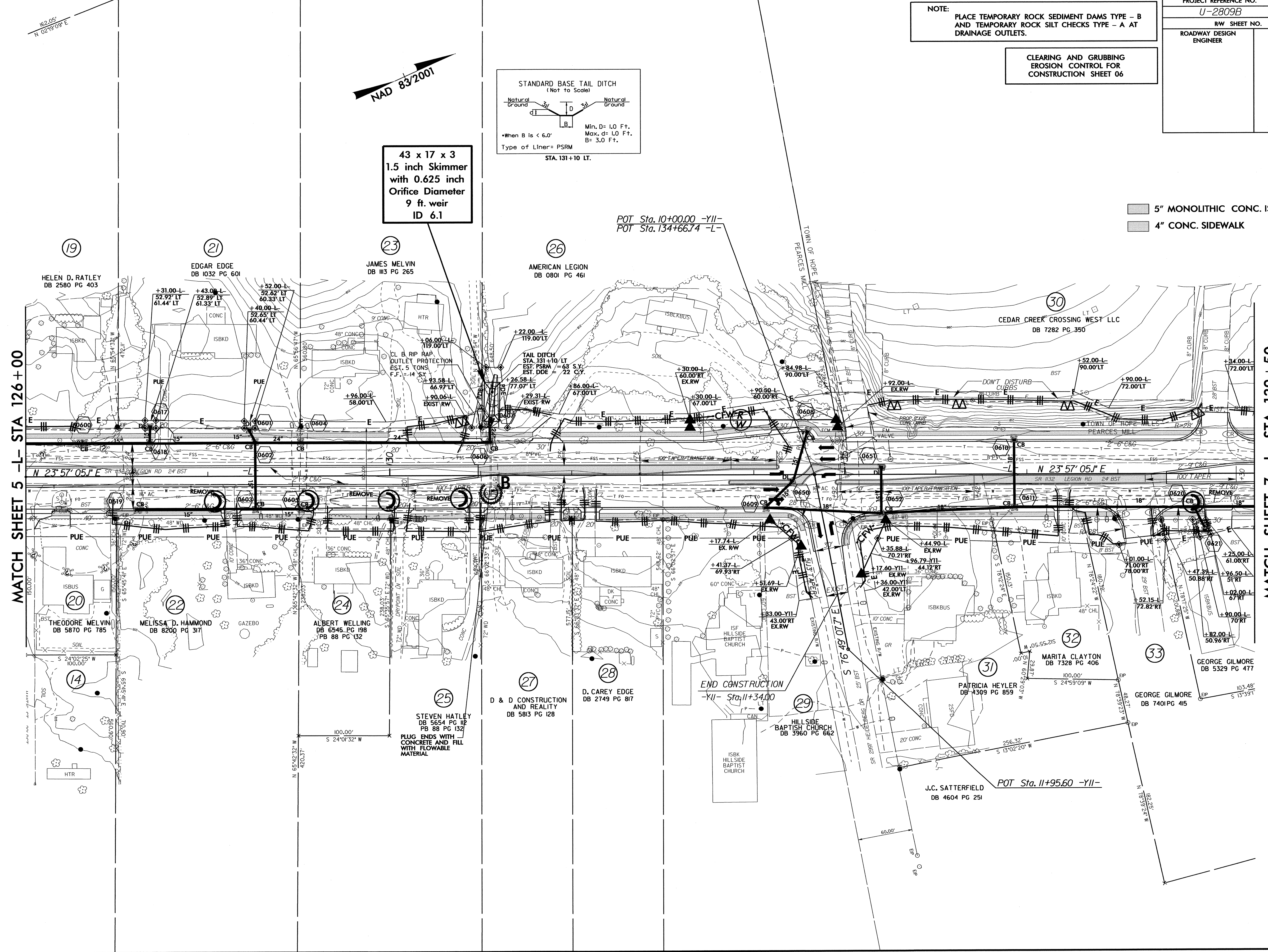
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 06



43 x 17 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
9 ft. weir
ID 6.1

5" MONOLITHIC CONC. ISLAND
4" CONC. SIDEWALK



MATCH SHEET 5 -L- STA 126+00

MATCH SHEET 7 -L- STA 139+50

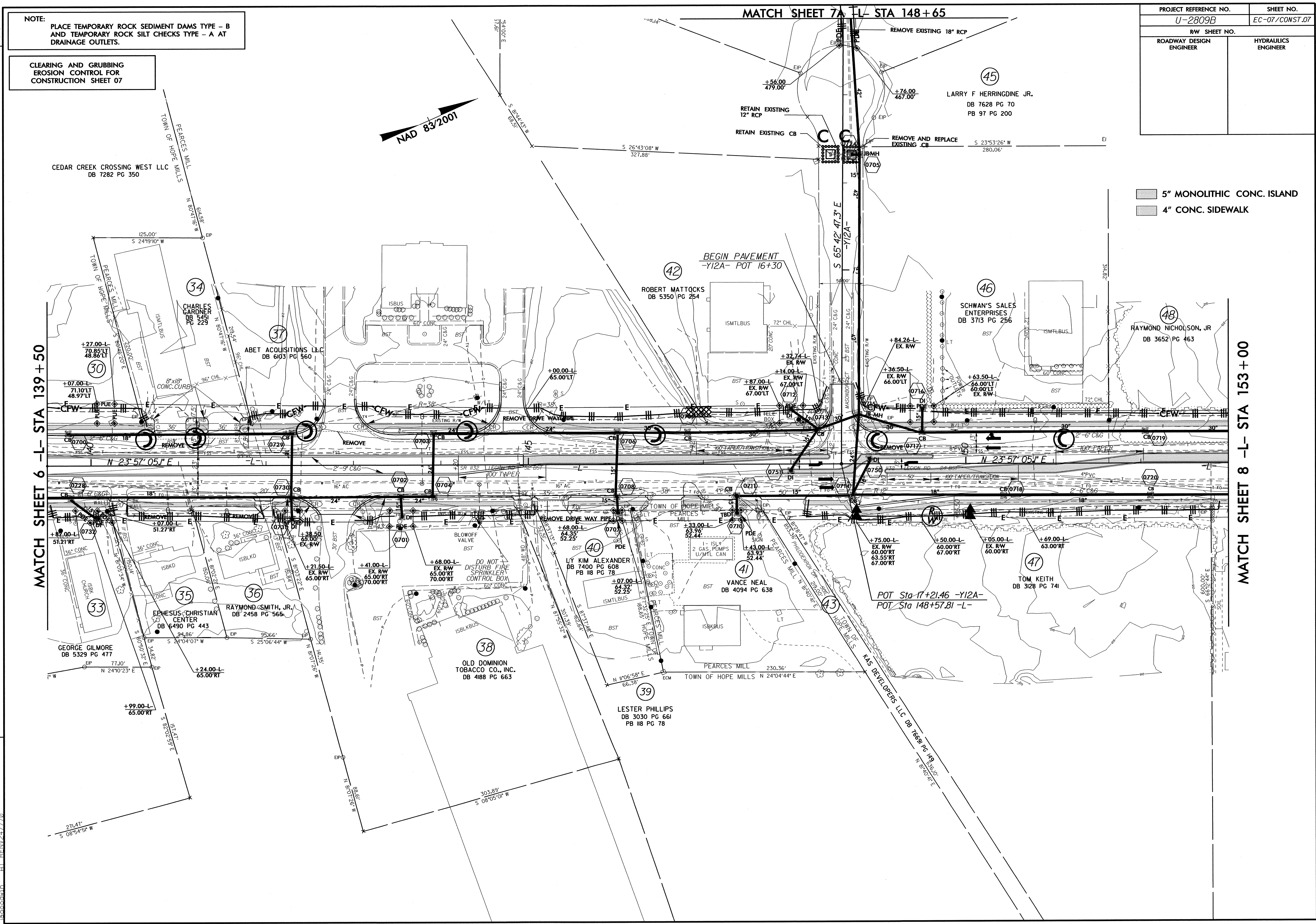
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PROJECT REFERENCE NO. U-2809B	SHEET NO. EC-07/CONST.07
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

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 07



5" MONOLITHIC CONC. ISLAND
4" CONC. SIDEWALK

MATCH SHEET 6 -L- STA 139 + 50

MATCH SHEET 8 -L- STA 153 + 00

MATCH SHEET 7A -L- STA 148 + 65

REVISIONS

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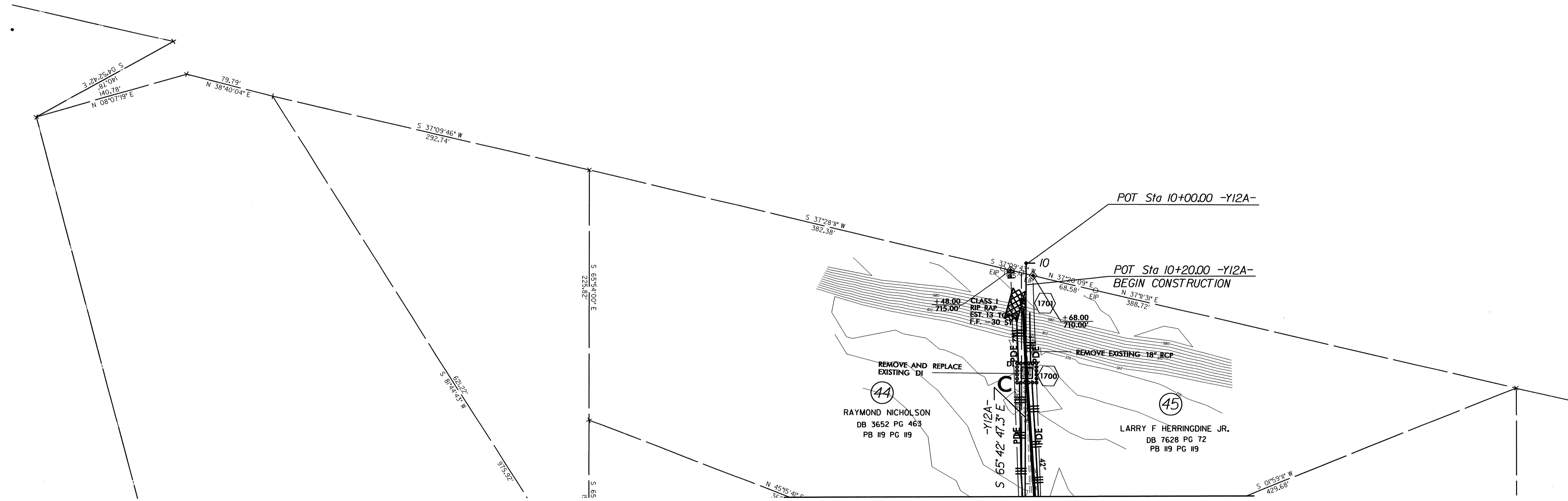
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U-2809B	EC-08/CONST.7A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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 7A

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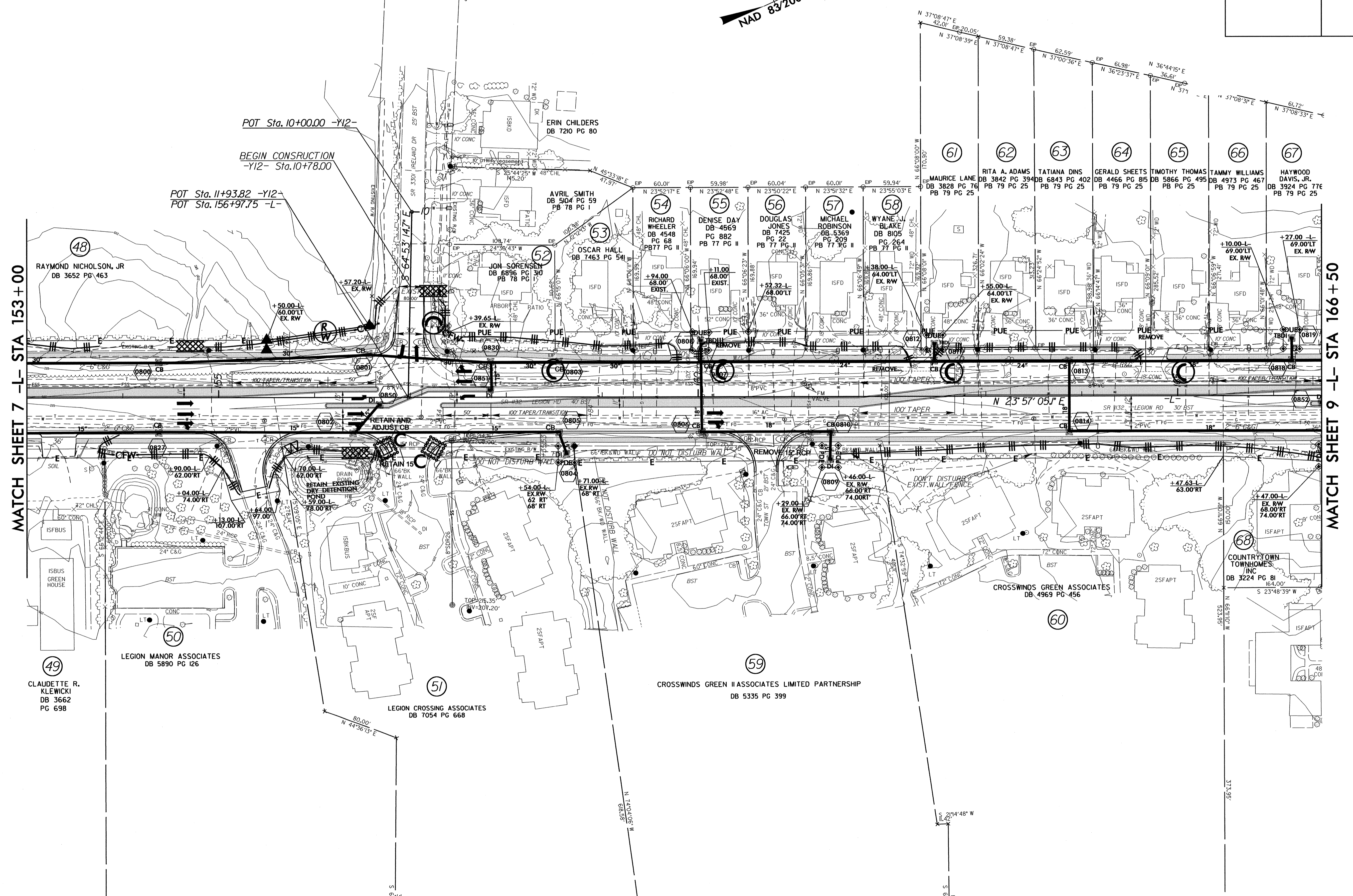
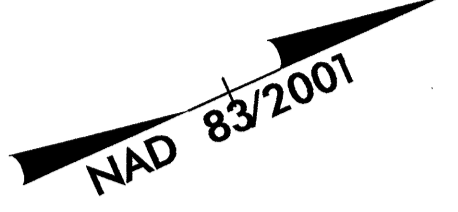
MATCH SHEET 7 -L- STA 148+65

PROJECT REFERENCE NO.	SHEET NO.
U-2809B	EC-09/CONST.08
R/W 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 08

5" MONOLITHIC CONC. ISLAND
4" CONC. SIDEWALK



MATCH SHEET 7 -L- STA 153+00

MATCH SHEET 9 -L- STA 166+50

REVISIONS

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49
CLAUDETTE R. KLEWICKI
DB 3662 PG 698

50
LEGION MANOR ASSOCIATES
DB 5890 PG 126

51
LEGION CROSSING ASSOCIATES
DB 7054 PG 668

59
CROSSWINDS GREEN II ASSOCIATES LIMITED PARTNERSHIP
DB 5335 PG 399

60
CROSSWINDS GREEN ASSOCIATES
DB 4969 PG 456

68
COUNTRY TOWN TOWNHOMES, INC
DB 3224 PG 81

48
RAYMOND NICHOLSON, JR
DB 3652 PG 463

POT Sta. 11+93.82 -Y12-
POT Sta. 156+97.75 -L-

POT Sta. 10+00.00 -Y12-
BEGIN CONSTRUCTION
-Y12- Sta. 10+78.00

ERIN CHILDERS
DB 7210 PG 80

53
AVRIL SMITH
DB 5104 PG 59
PB 78 PG I

52
JON SORENSEN
DB 6896 PG 310
PB 78 PG I

54
RICHARD WHEELER
DB 4548 PG 68
PB 77 PG II

55
DENISE DAY
DB 4569 PG 882
PB 77 PG II

56
DOUGLAS JONES
DB 7425 PG 22
PB 77 PG II

57
MICHAEL ROBINSON
DB 5369 PG 209
PB 77 PG II

58
WYANNE J. BLAKE
DB 8105 PG 264
PB 77 PG II

61
MAURICE LANE
DB 3828 PG 76
PB 79 PG 25

62
RITA A. ADAMS
DB 3842 PG 394
PB 79 PG 25

63
TATIANA DINS
DB 6843 PG 402
PB 79 PG 25

64
GERALD SHEETS
DB 4466 PG 815
PB 79 PG 25

65
TIMOTHY THOMAS
DB 5866 PG 495
PB 79 PG 25

66
TAMMY WILLIAMS
DB 4973 PG 467
PB 79 PG 25

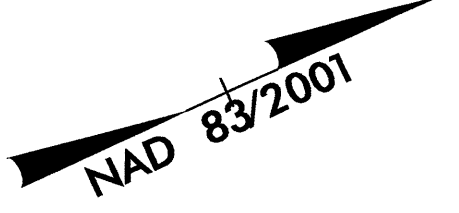
67
HAYWOOD DAVIS, JR.
DB 3924 PG 77E
PB 79 PG 25

PROJECT REFERENCE NO.	SHEET NO.
U-2809B	EC-10/CONST.09
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 09

5" MONOLITHIC CONC. ISLAND
4" CONC. SIDEWALK



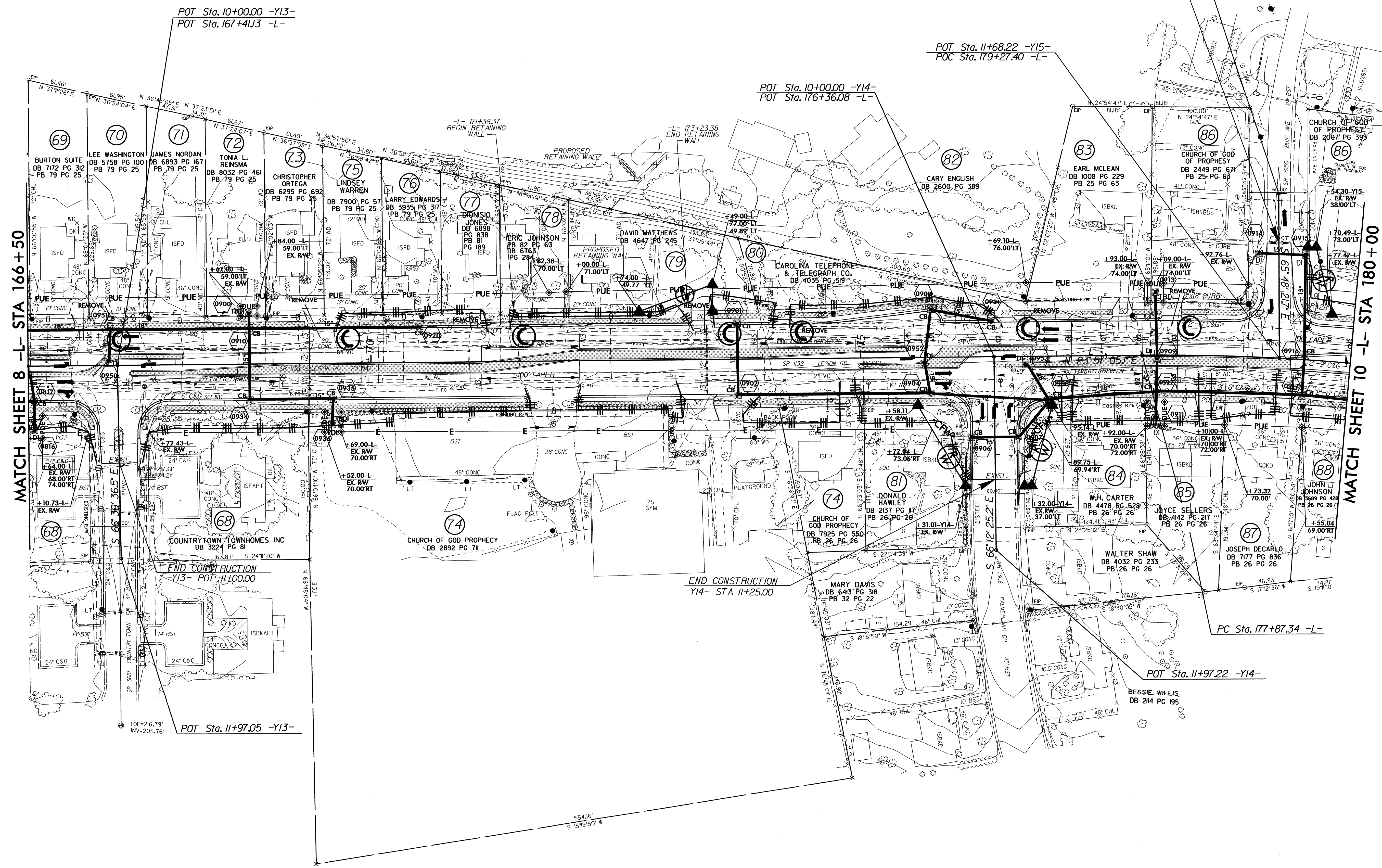
POT Sta. 10+00.00 -Y13-
POT Sta. 10+50.00 -Y15-
BEGIN CONSTRUCTION

POT Sta. 11+68.22 -Y15-
POC Sta. 119+27.40 -L-

POT Sta. 10+00.00 -Y14-
POT Sta. 176+36.08 -L-

END CONSTRUCTION
-Y14- STA 11+25.00

POT Sta. 11+97.22 -Y14-



8.117/99

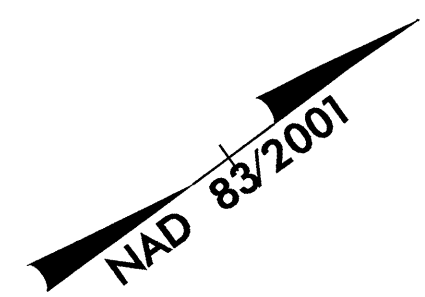
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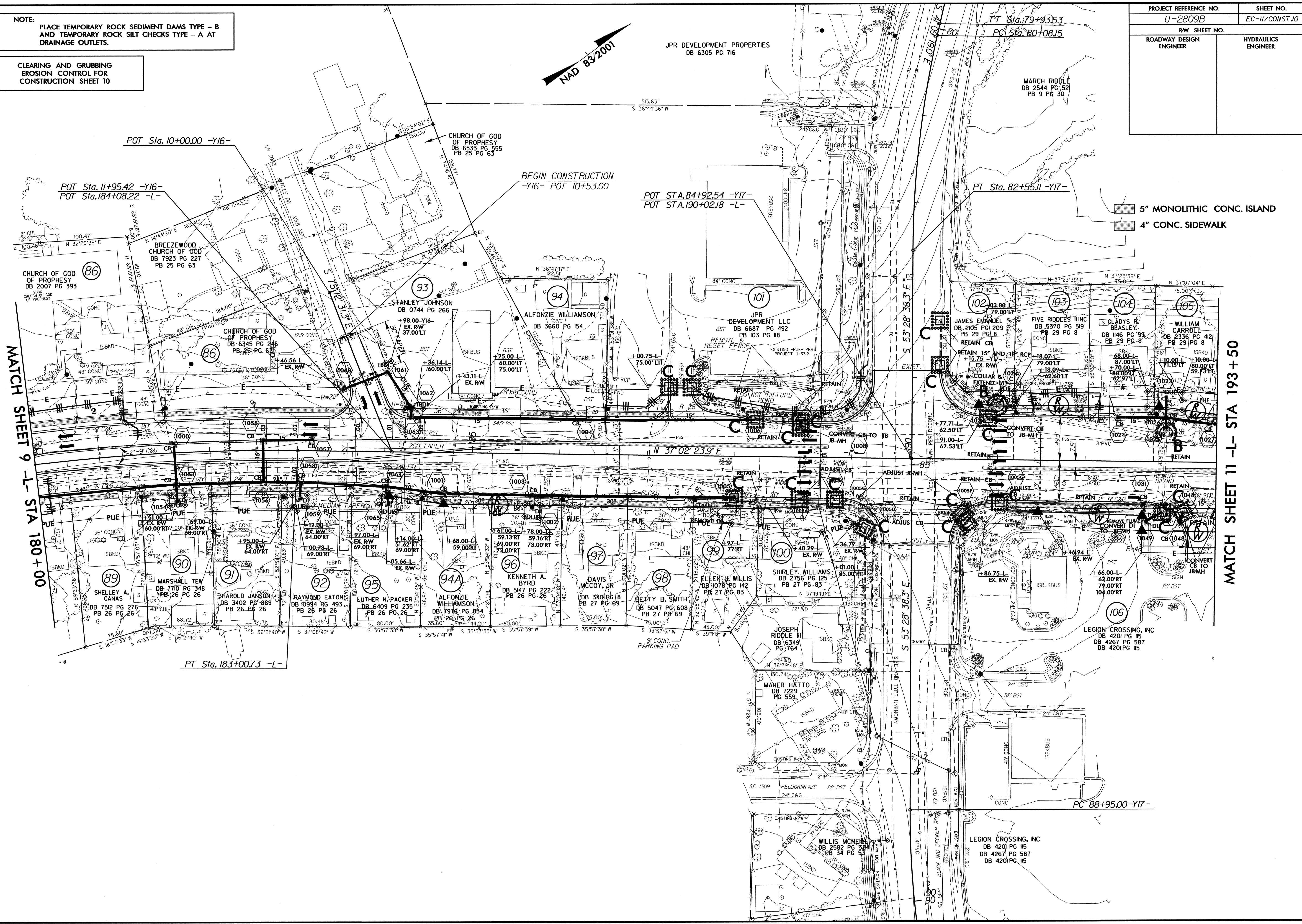
PROJECT REFERENCE NO.	SHEET NO.
U-2809B	EC-II/CONST.10
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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 10



JPR DEVELOPMENT PROPERTIES
DB 6305 PG 716



5" MONOLITHIC CONC. ISLAND
4" CONC. SIDEWALK

8/17/99

REVISIONS

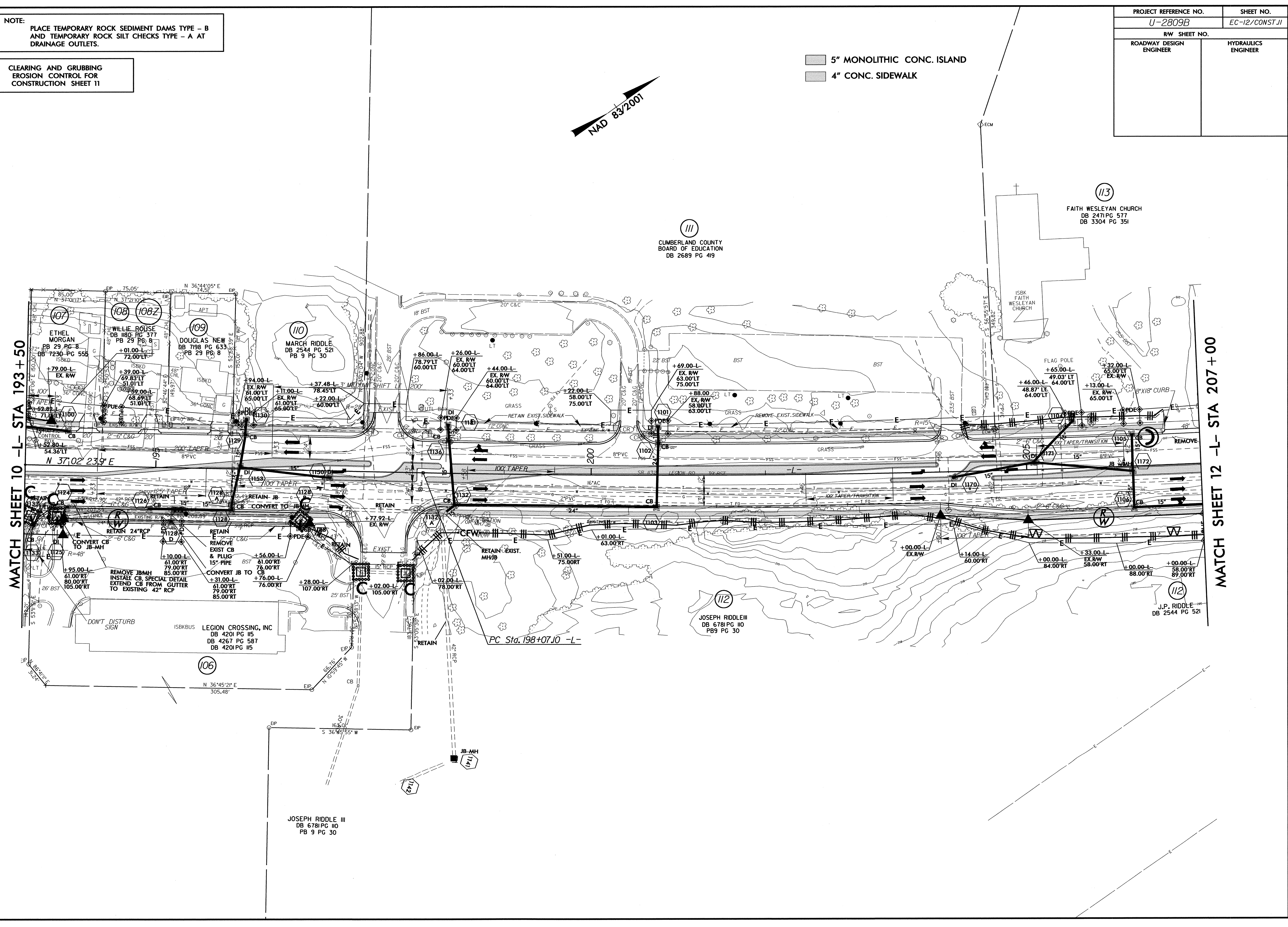
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PROJECT REFERENCE NO.	SHEET NO.
U-2809B	EC-12/CONST.II
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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 II

5" MONOLITHIC CONC. ISLAND
4" CONC. SIDEWALK



REVISIONS

8/17/99

22-MAY-2012 08:31
R:\Environment\U-2809B-EC_pah11.dgn
LEGION CROSSING, INC AT RENOVATION

JOSEPH RIDDLE III
DB 6781 PG 10
PB 9 PG 30

CUMBERLAND COUNTY
BOARD OF EDUCATION
DB 2689 PG 419

113
FAITH WESLEYAN CHURCH
DB 2471 PG 577
DB 3304 PG 351

112
JOSEPH RIDDLE III
DB 6781 PG 10
PB 9 PG 30

112
J.P. RIDDLE
DB 2544 PG 521

MATCH SHEET 10 -L- STA 193+50

MATCH SHEET 12 -L- STA 207+00

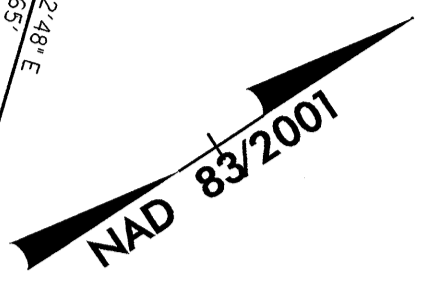
PC Sta. 198+07.10 -L-

PROJECT REFERENCE NO.	SHEET NO.
U-2809B	EC-13/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.

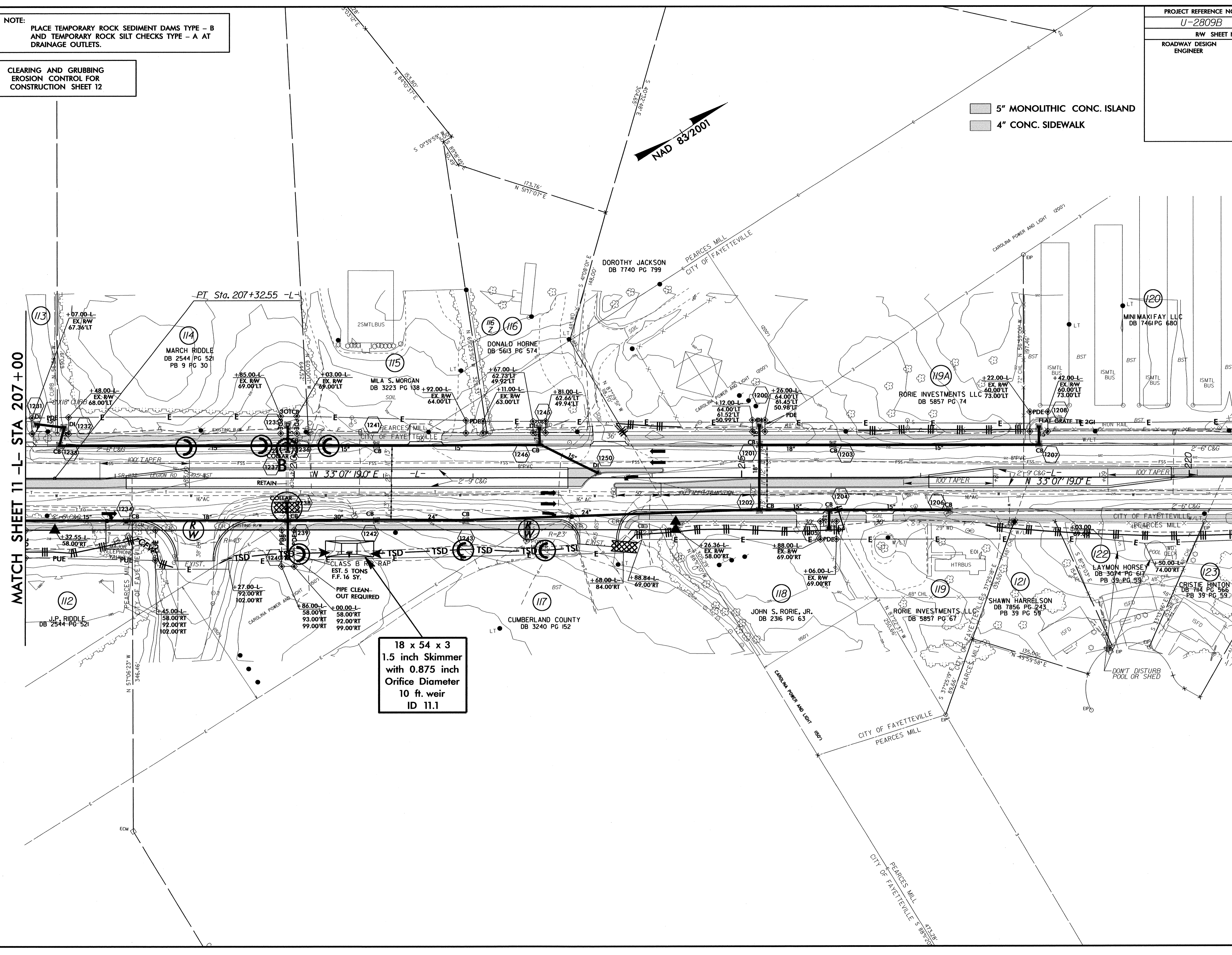
CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 12

5" MONOLITHIC CONC. ISLAND
4" CONC. SIDEWALK



MATCH SHEET 11 -L- STA 207+00

MATCH SHEET 13 -L- STA 220+50



18 x 54 x 3
1.5 inch Skimmer
with 0.875 inch
Orifice Diameter
10 ft. weir
ID 11.1

REVISIONS

22-MAY-2012 08:37
C:\Users\psh12\Documents\Design\U-2809B-EC-psh12.dgn
15:00:00 AT REVISED

8.17.99

REVISIONS

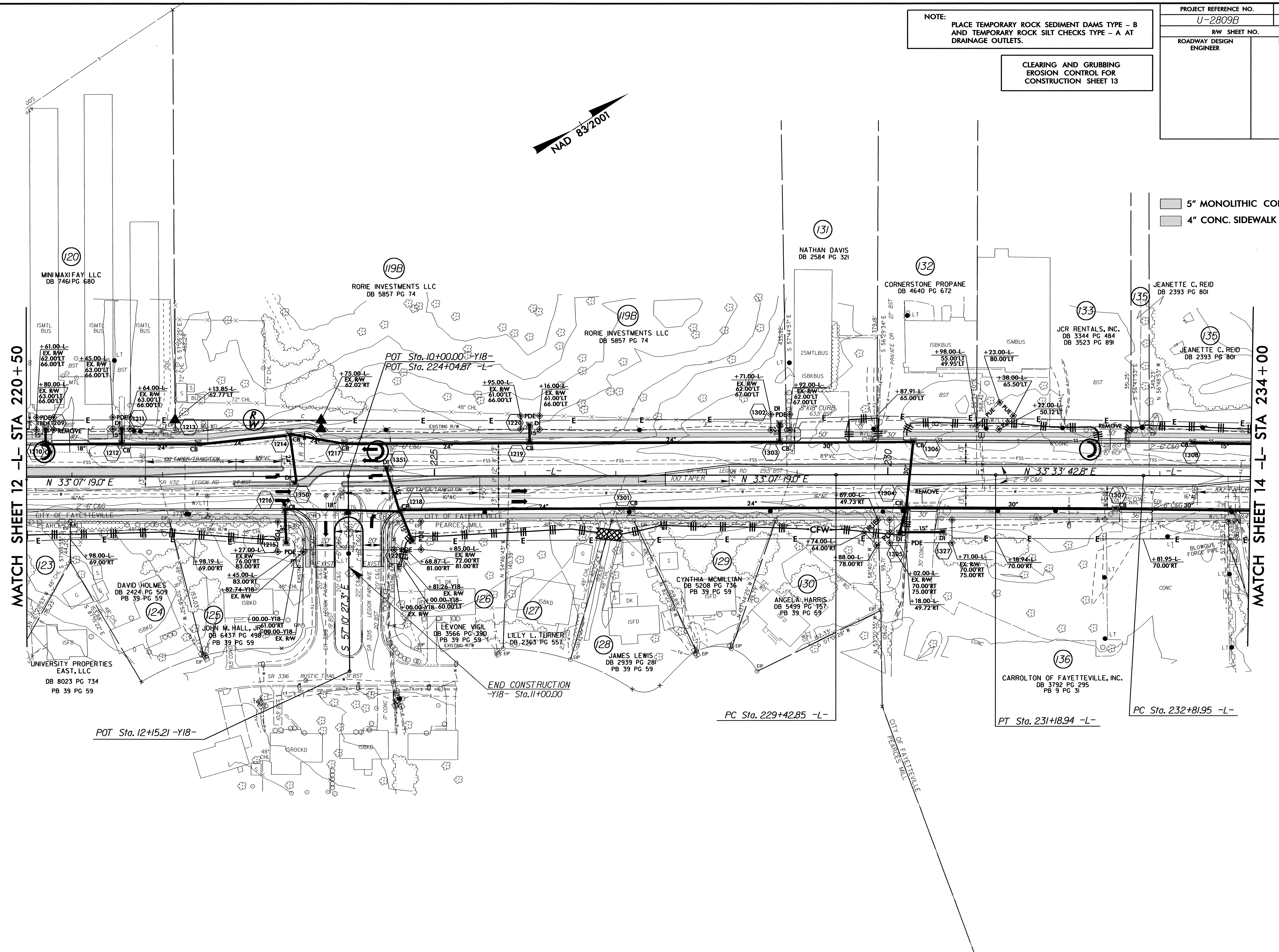
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13:00:00 AT PENN27770

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

PROJECT REFERENCE NO. U-2809B	SHEET NO. EC-14/CONST.13
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

5" MONOLITHIC CONC. ISLAND
4" CONC. SIDEWALK



MATCH SHEET 12 -L- STA 220+50

MATCH SHEET 14 -L- STA 234+00



END CONSTRUCTION
-Y18- Sta.11+00.00

PC Sta. 229+42.85 -L-

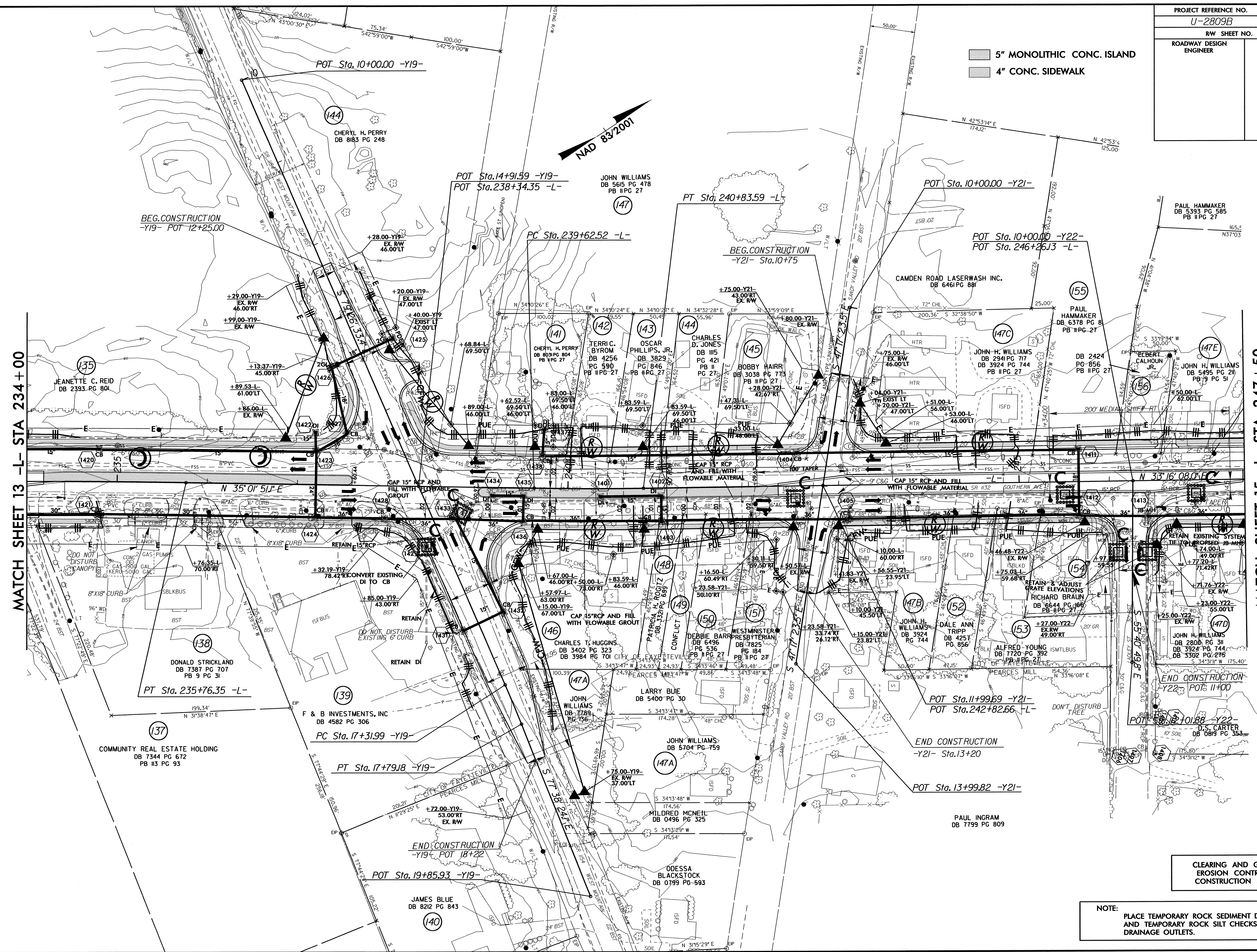
PT Sta. 231+18.94 -L-

PC Sta. 232+81.95 -L-

POT Sta. 12+15.21 -Y18-

PROJECT REFERENCE NO.	SHEET NO.
U-2809B	EC-15/CONST.14
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

5" MONOLITHIC CONC. ISLAND
4" CONC. SIDEWALK



MATCH SHEET 13 -L- STA 234+00

MATCH SHEET 15 -L- STA 247+50

REVISIONS

8/17/99
 22 MAY 2012 08:47
 C:\Users\pml\Documents\Projects\U-2809B\EC-15\pml14.dgn
 14/05/2012 11:17:17 AM

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 14

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

8.17.17.99

MATCH SHEET 15A -Y23- STA 8+67.74

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

PROJECT REFERENCE NO. U-2809B	SHEET NO. EC-16/CONST.15
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

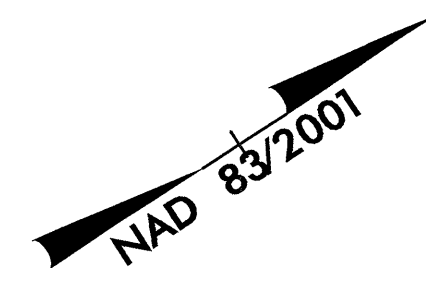
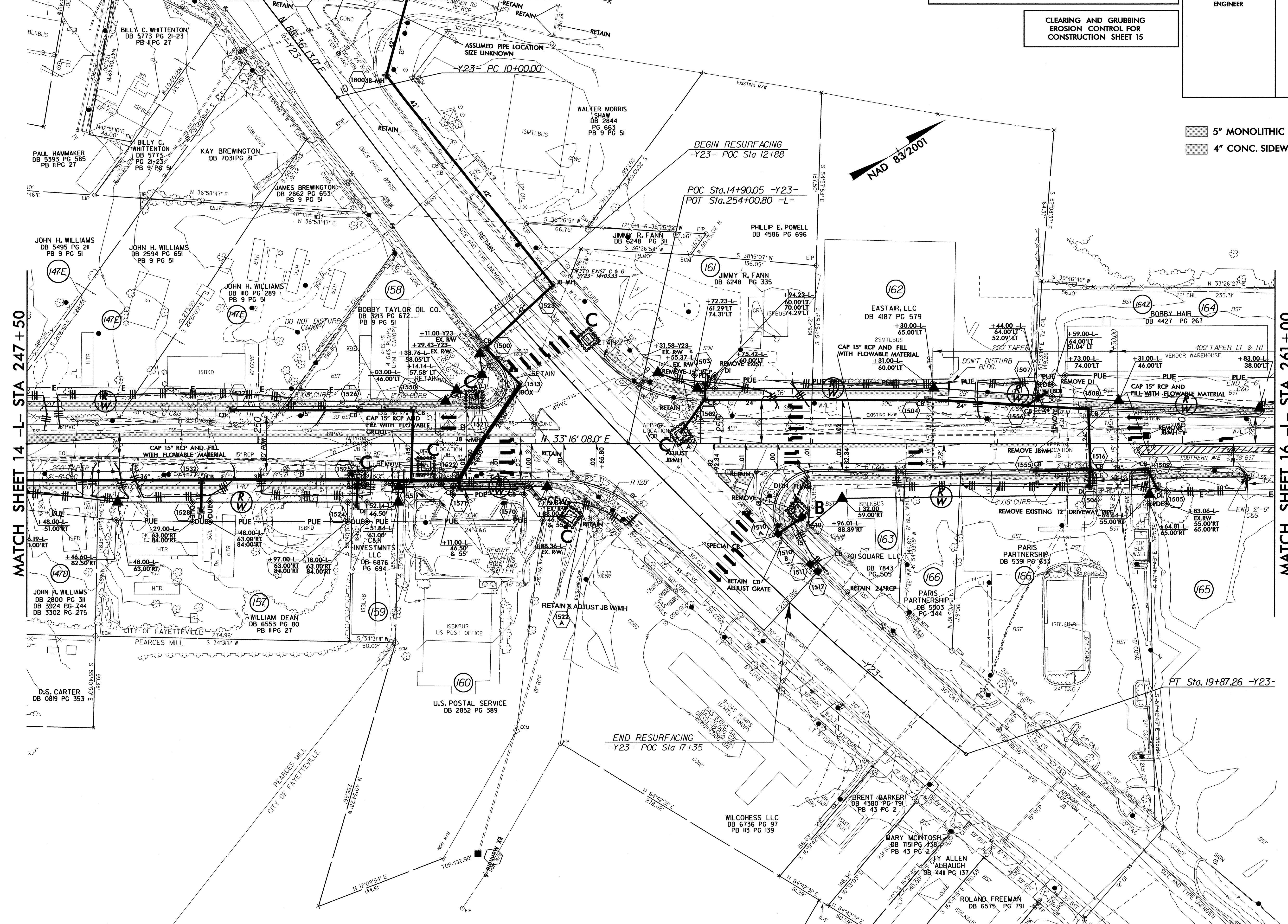
CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 15

5" MONOLITHIC CONC. ISLAND
4" CONC. SIDEWALK

REVISIONS

MATCH SHEET 14 -L- STA 247 +50

MATCH SHEET 16 -L- STA 261 +00

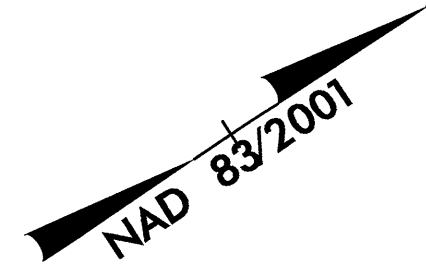


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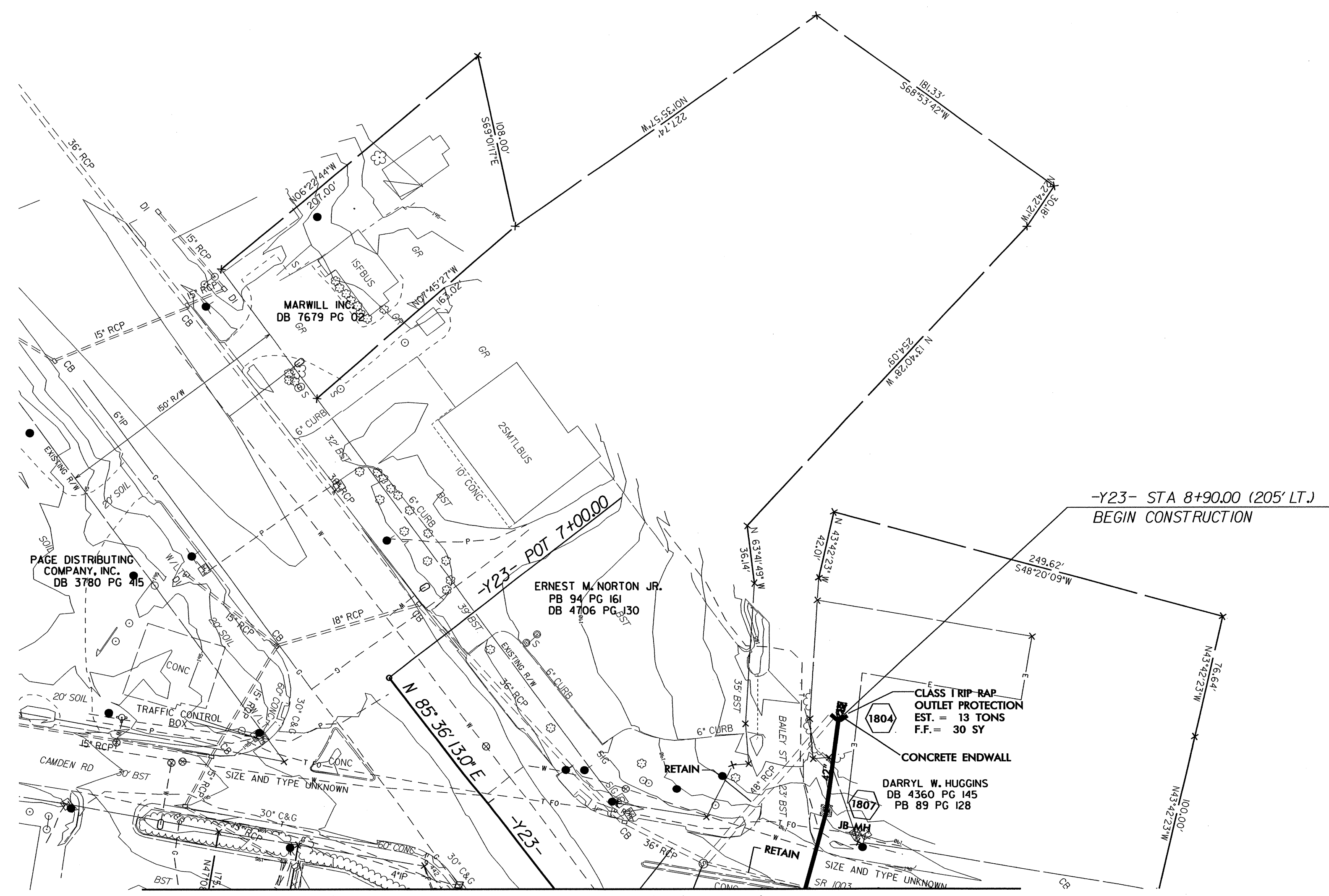
PROJECT REFERENCE NO.	SHEET NO.
U-2809B	EC-17/CONST15A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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 15A



REVISIONS



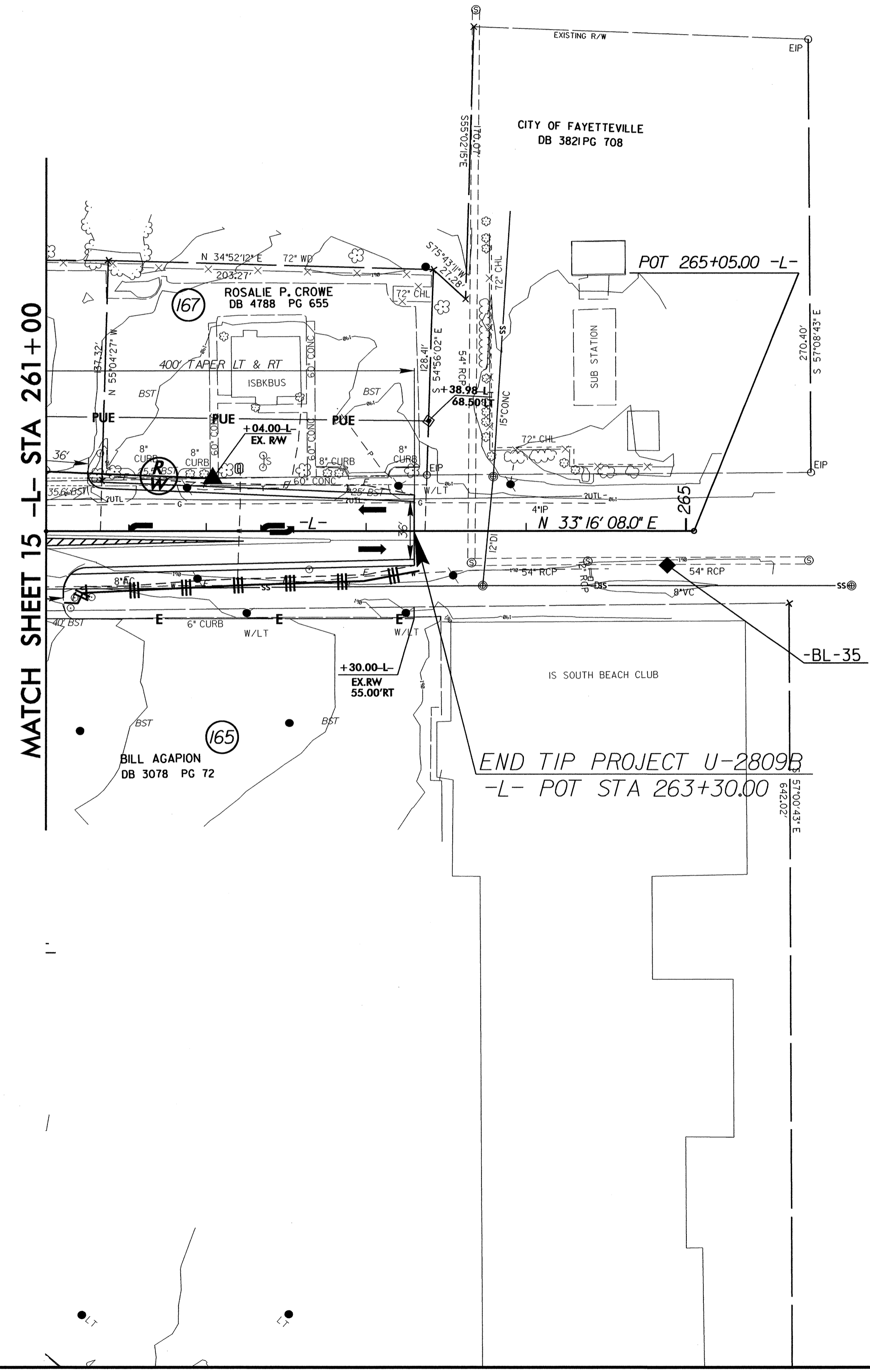
MATCH SHEET 15 -Y23- STA 8+67.75

8/17/99
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PROJECT REFERENCE NO.	SHEET NO.
U-2809B	EC-18/CONST.16
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 16



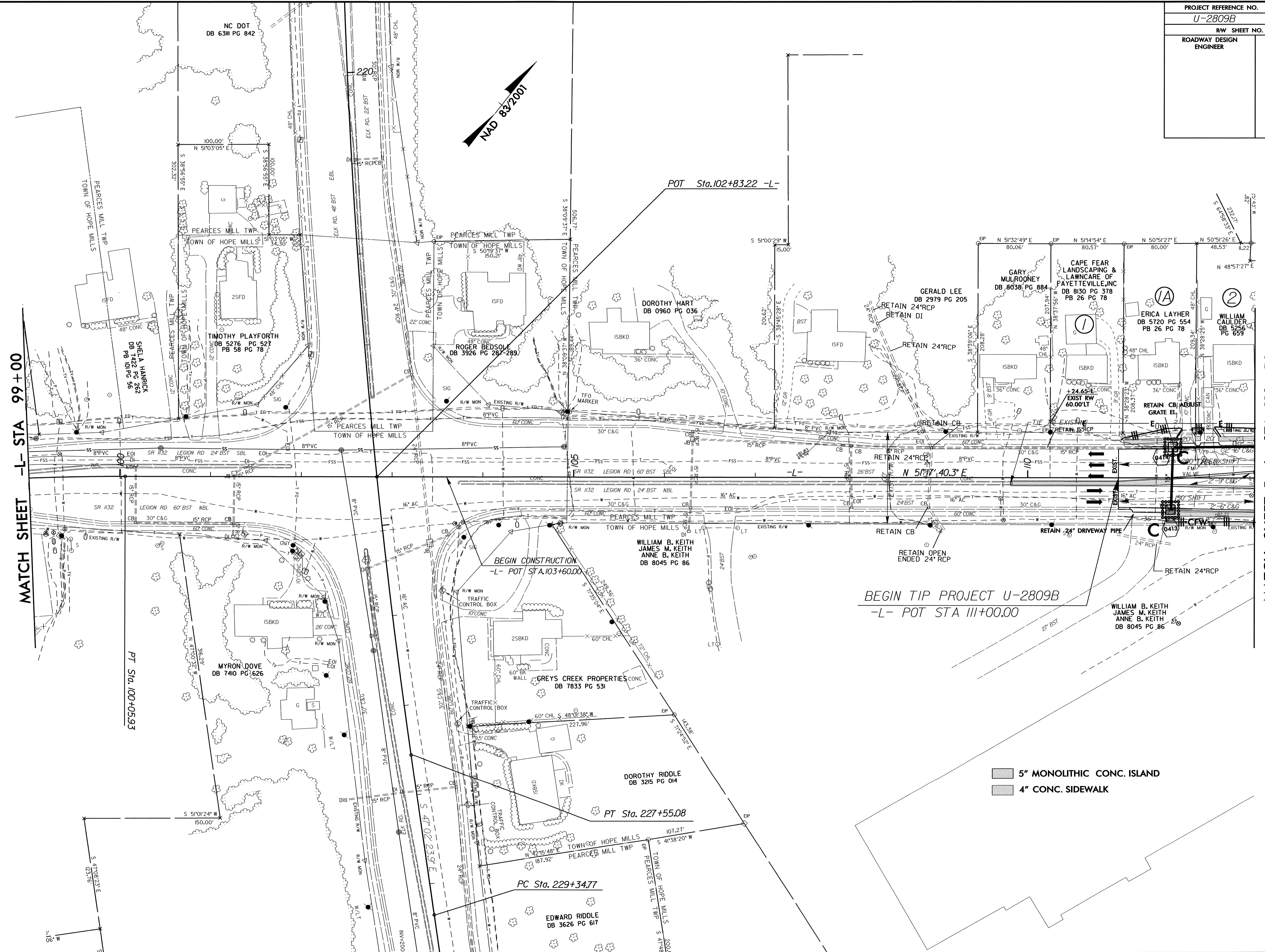
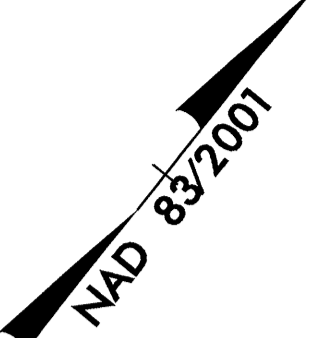
REVISIONS

8/17/99

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PROJECT REFERENCE NO.	SHEET NO.
U-2809B	EC-19/CONST.04
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99



MATCH SHEET -L- STA 99+00

MATCH SHEET 5 -L- STA 112+50

BEGIN TIP PROJECT U-2809B
-L- POT STA 111+00.00

BEGIN CONSTRUCTION
-L- POT STA 103+60.00

5" MONOLITHIC CONC. ISLAND
4" CONC. SIDEWALK

REVISIONS

22 MAY 2012 07:59
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 11:00 AM AT REVISED

PT Sta. 100+05.93

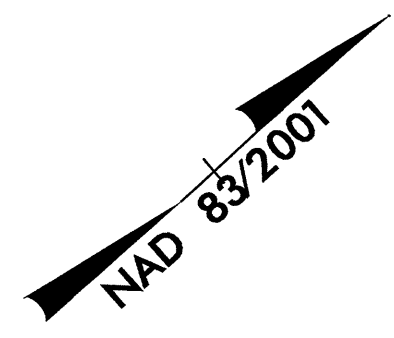
PT Sta. 227+55.08

PC Sta. 229+34.77

1" = 100'

PROJECT REFERENCE NO.	SHEET NO.
U-2809B	EC-20/CONST.05
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

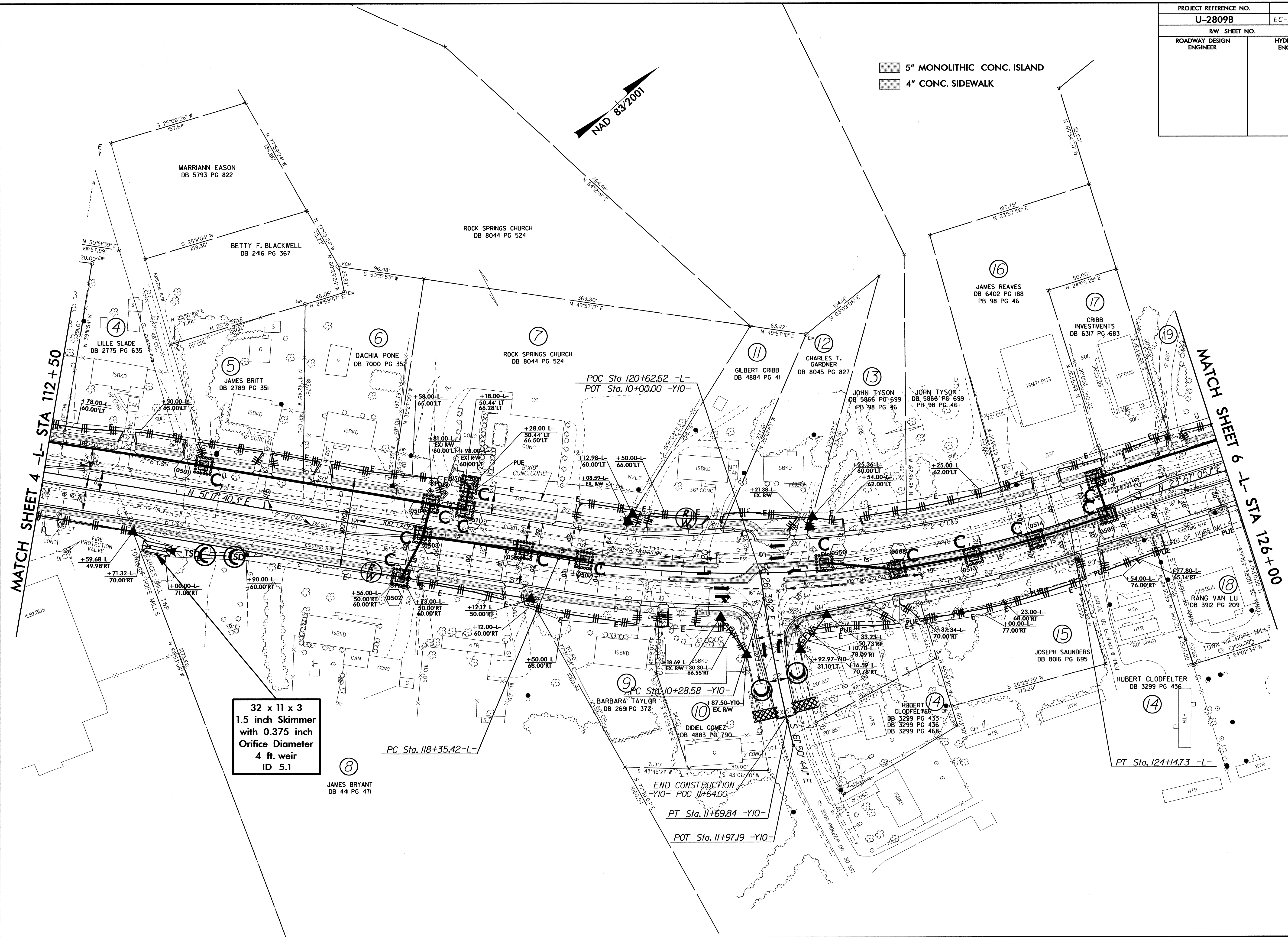
5" MONOLITHIC CONC. ISLAND
4" CONC. SIDEWALK



8/17/99

REVISIONS

22-MAY-2012 08:04
R:\Environment\U-2809B-EC-ph05.dgn
ALBANY



32 x 11 x 3
1.5 inch Skimmer
with 0.375 inch
Orifice Diameter
4 ft. weir
ID 5.1

MATCH SHEET 4 -L- STA 112+50

MATCH SHEET 6 -L- STA 126+00

POC Sta 120+62.62 -L-
POT Sta. 10+00.00 -Y10-

PC Sta. 118+35.42 -L-

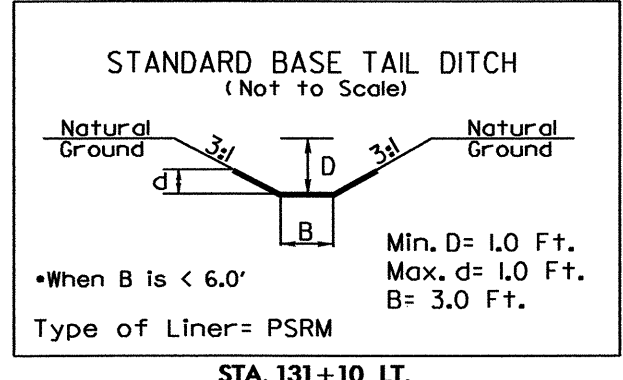
PC Sta. 10+28.58 -Y10-

PT Sta. 11+69.84 -Y10-

POT Sta. 11+97.19 -Y10-

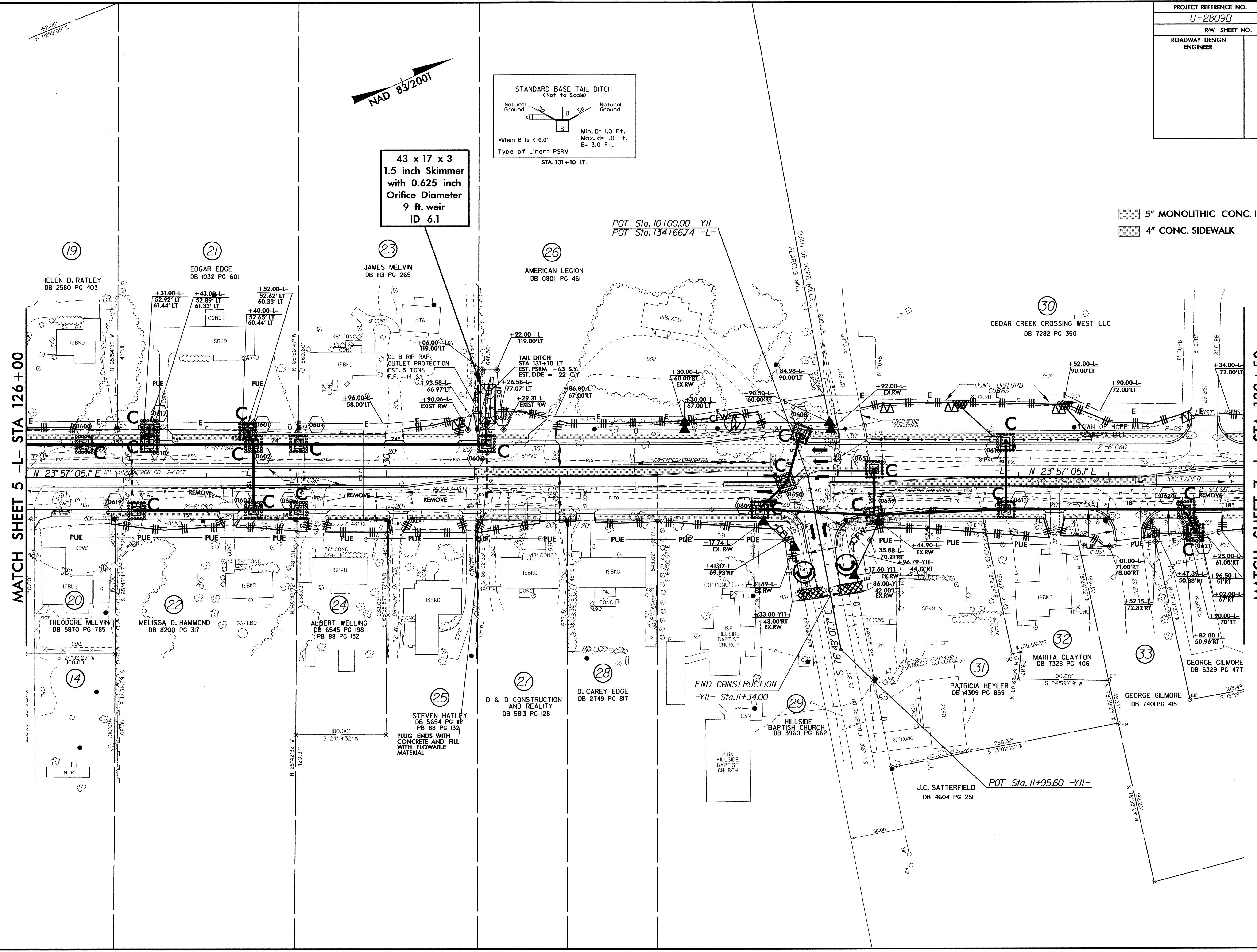
END CONSTRUCTION
-Y10- POC 11+64.00-

PROJECT REFERENCE NO.	SHEET NO.
U-2809B	EC-21/CONST.06
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



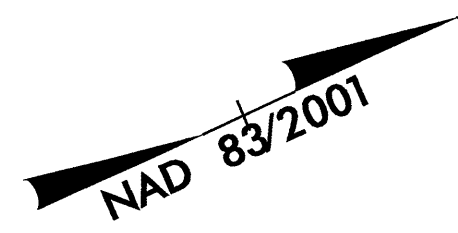
**43 x 17 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
9 ft. weir
ID 6.1**

5" MONOLITHIC CONC. ISLAND
4" CONC. SIDEWALK



MATCH SHEET 5 -L- STA 126+00

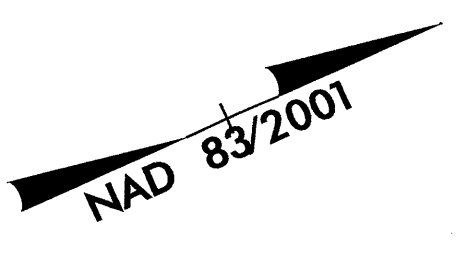
MATCH SHEET 7 -L- STA 139+50



REVISIONS

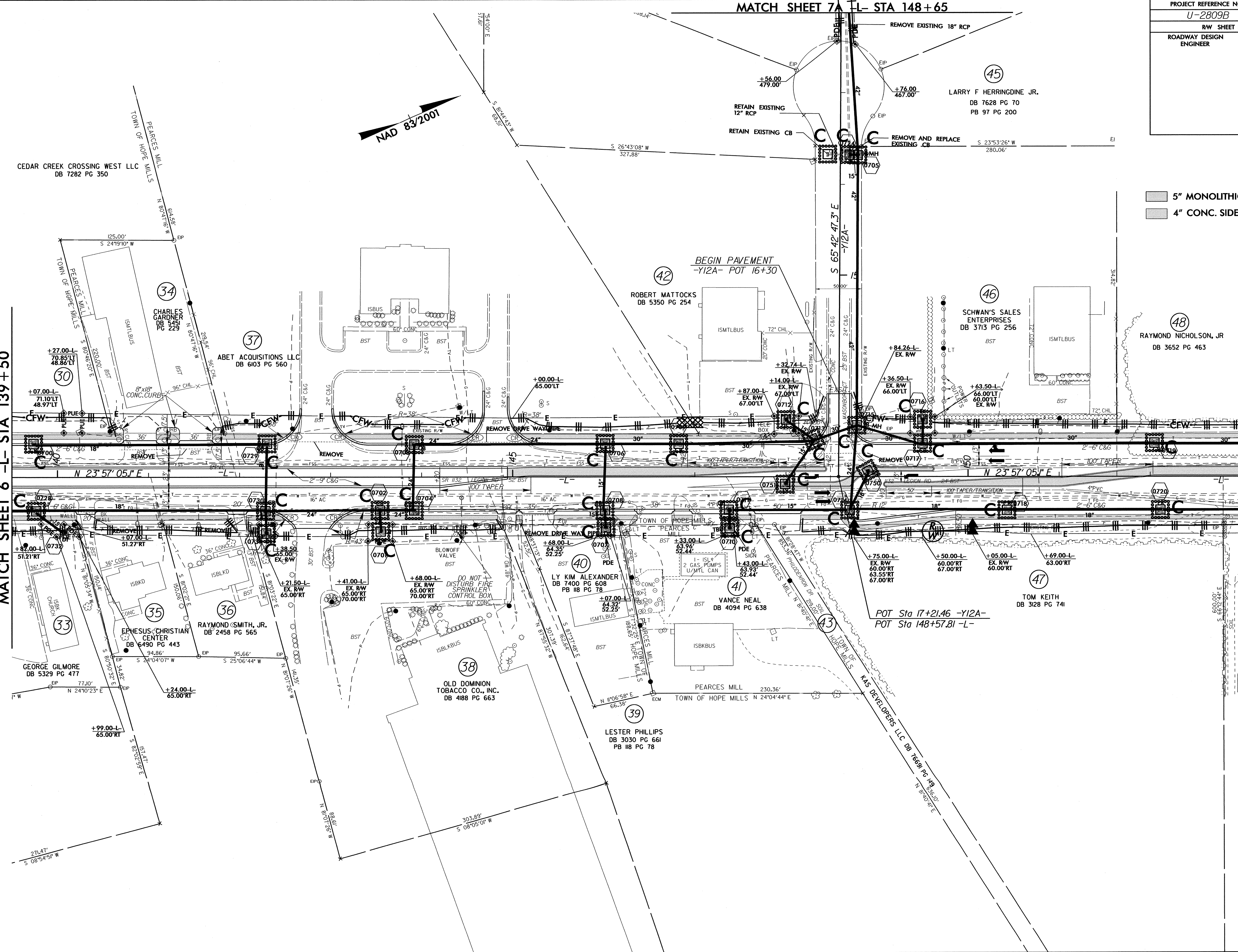
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PROJECT REFERENCE NO.	SHEET NO.
U-2809B	EC-22/CONST.07
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCH SHEET 6 -L- STA 139+50

MATCH SHEET 8 -L- STA 153+00



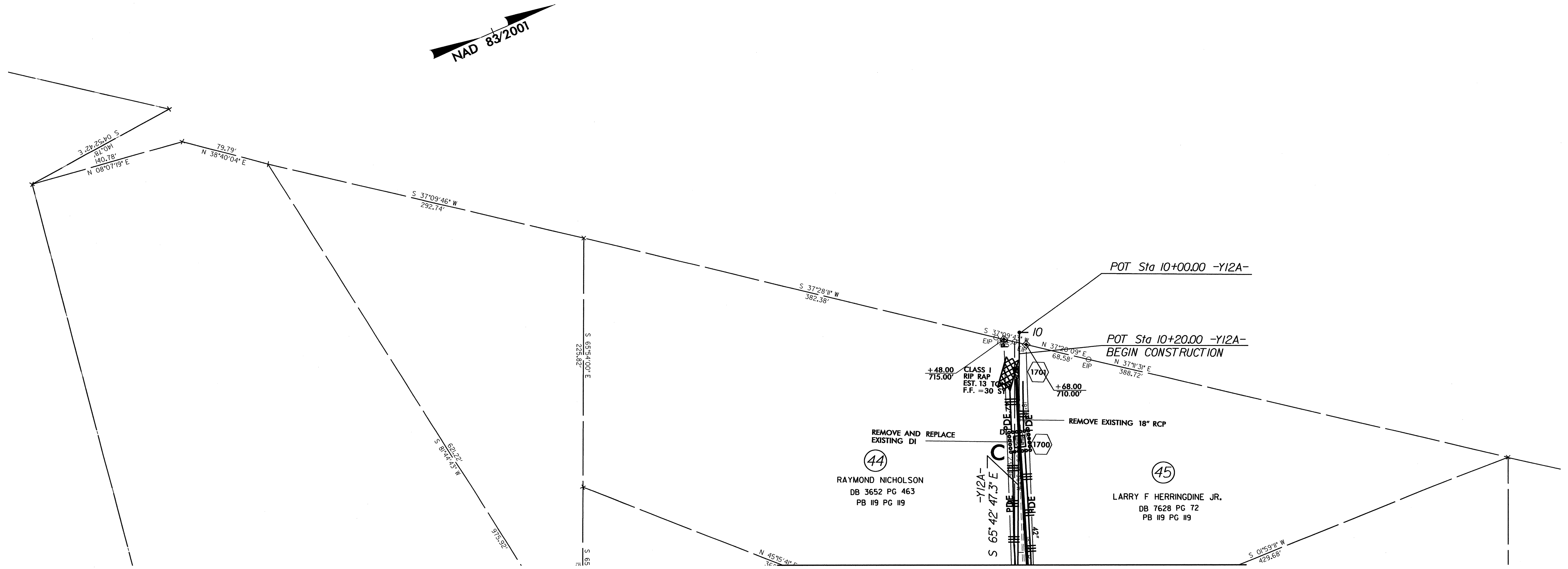
5" MONOLITHIC CONC. ISLAND
 4" CONC. SIDEWALK

REVISIONS

22-MAY-2012 08:45
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PROJECT REFERENCE NO.	SHEET NO.
U-2809B	EC-23/CONST.7A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

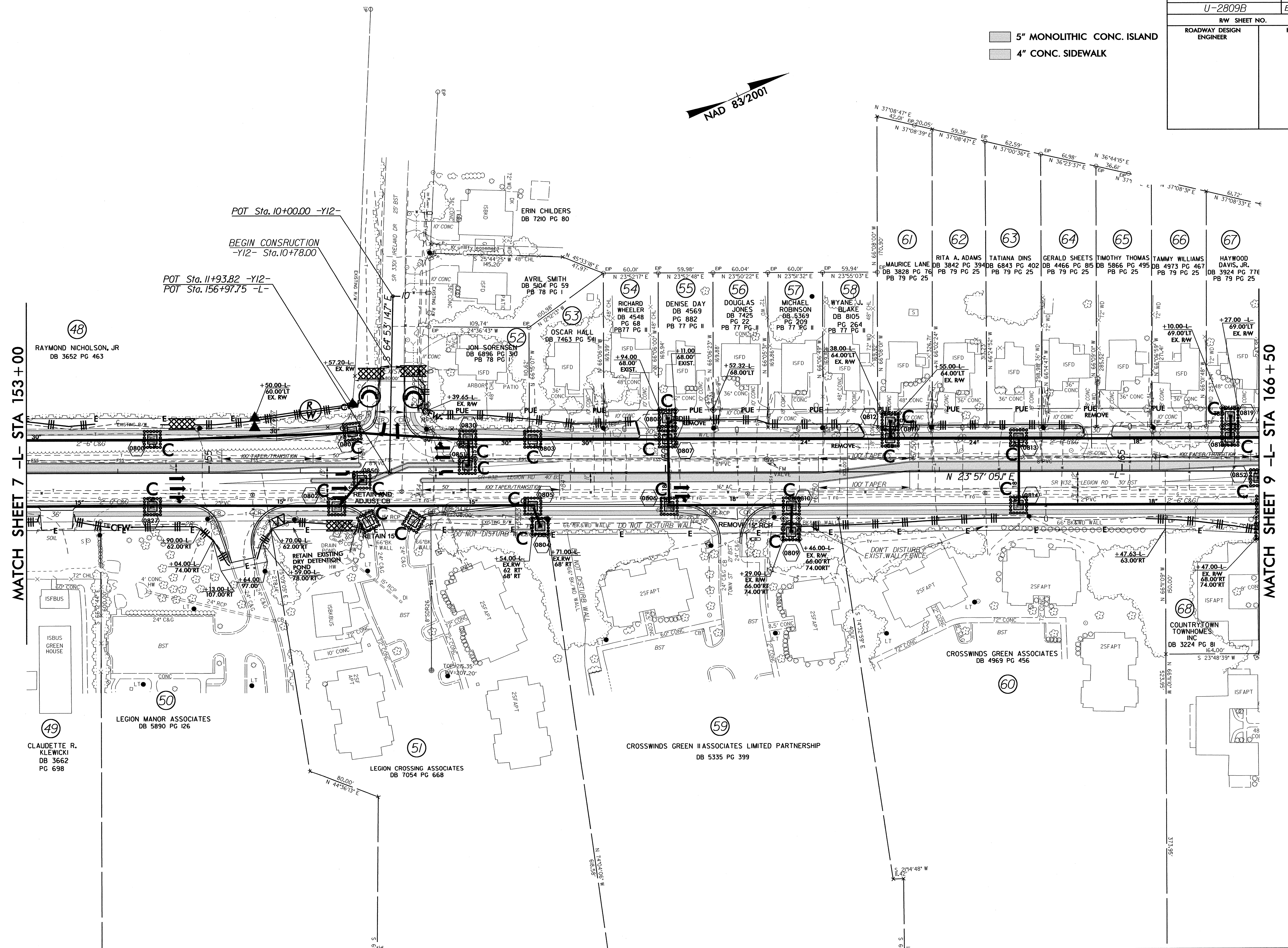
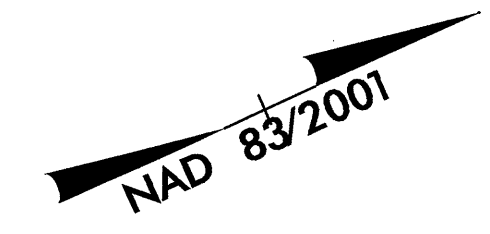
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MATCH SHEET 7 -L- STA 148+65

PROJECT REFERENCE NO. U-2809B		SHEET NO. EC-24/CONST.08	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

5" MONOLITHIC CONC. ISLAND
4" CONC. SIDEWALK



MATCH SHEET 7 -L- STA 153+00

MATCH SHEET 9 -L- STA 166+50

POT Sta. 10+00.00 -Y12-
BEGIN CONSTRUCTION
-Y12- Sta. 10+78.00
POT Sta. 11+93.82 -Y12-
POT Sta. 156+97.75 -L-

REVISIONS

22-MAY-2012 08:20 Design\U-2809B_EC_psh08.dgn
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PROJECT REFERENCE NO.	SHEET NO.
U-2809B	EC-25/CONST.09
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

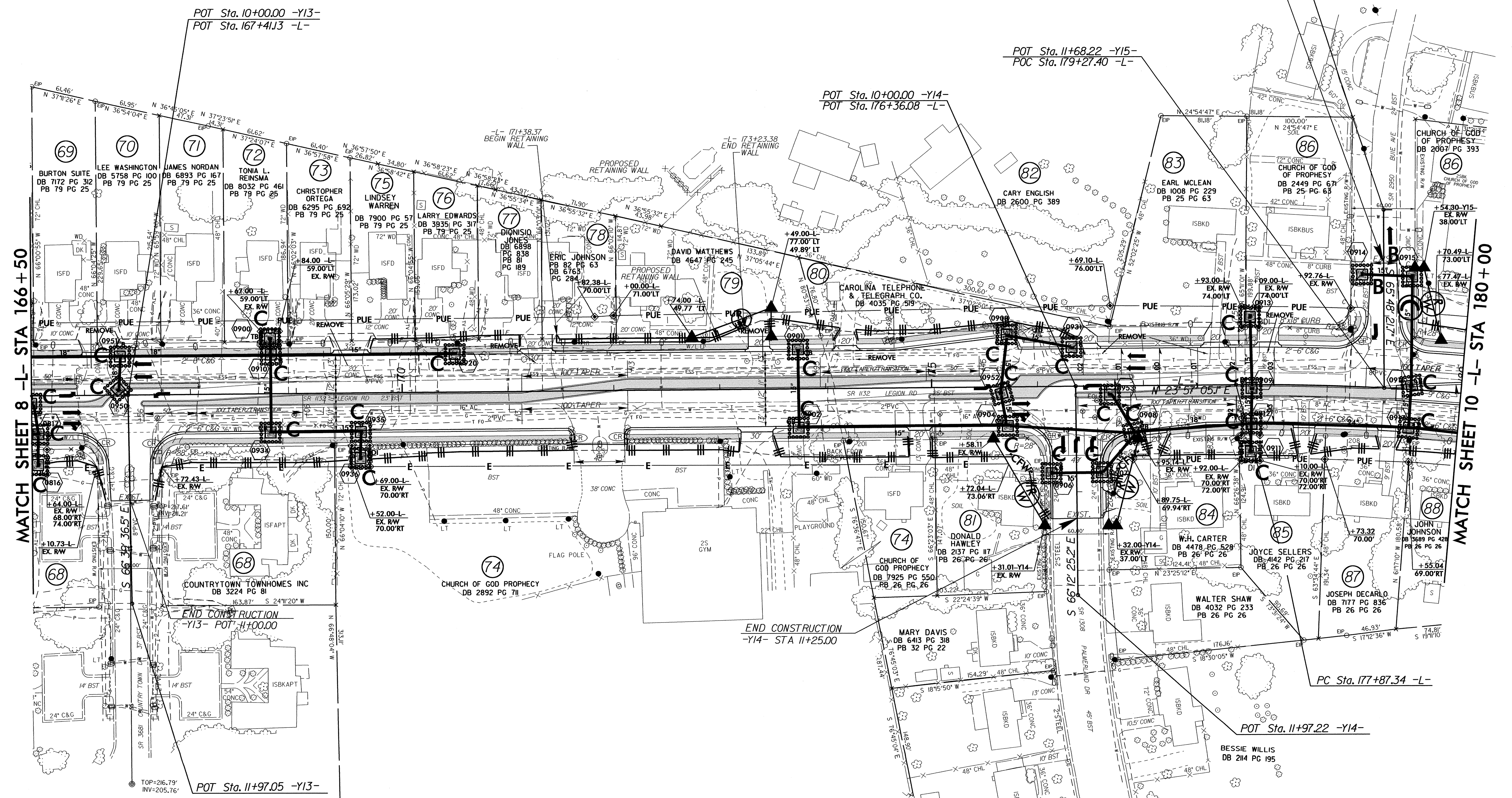


5" MONOLITHIC CONC. ISLAND
 4" CONC. SIDEWALK

POT Sta. 10+00.00 -Y15-
 BEGIN CONSTRUCTION
 -Y15- Sta. 10+50.00

POT Sta. 11+68.22 -Y15-
 POC Sta. 119+27.40 -L-

POT Sta. 10+00.00 -Y14-
 POT Sta. 176+36.08 -L-



MATCH SHEET 8 -L- STA 166+50

MATCH SHEET 10 -L- STA 180+00

REVISIONS

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 22 MAY 2012 08:27
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 EC-25/CONST.09
 1500

POT Sta. 10+00.00 -Y13-
 POT Sta. 167+41.13 -L-

END CONSTRUCTION
 -Y13- POT 11+00.00

END CONSTRUCTION
 -Y14- STA 11+25.00

POT Sta. 11+97.05 -Y13-

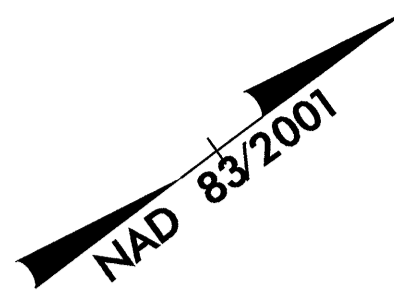
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POT Sta. 11+97.22 -Y14-

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 S 15.19°50' W

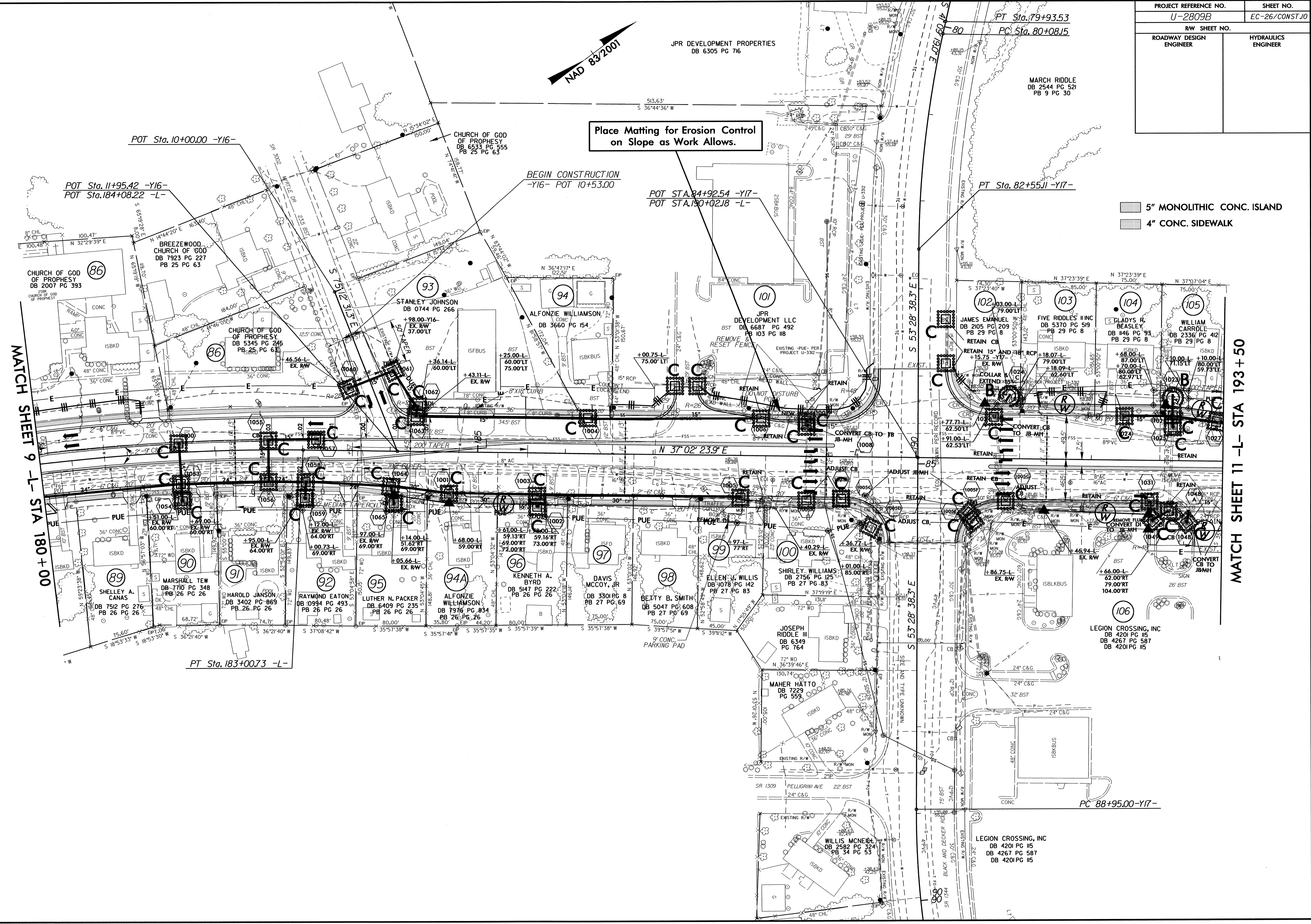
PROJECT REFERENCE NO.	SHEET NO.
U-2809B	EC-26/CONST.10
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99



Place Matting for Erosion Control on Slope as Work Allows.

5" MONOLITHIC CONC. ISLAND
4" CONC. SIDEWALK



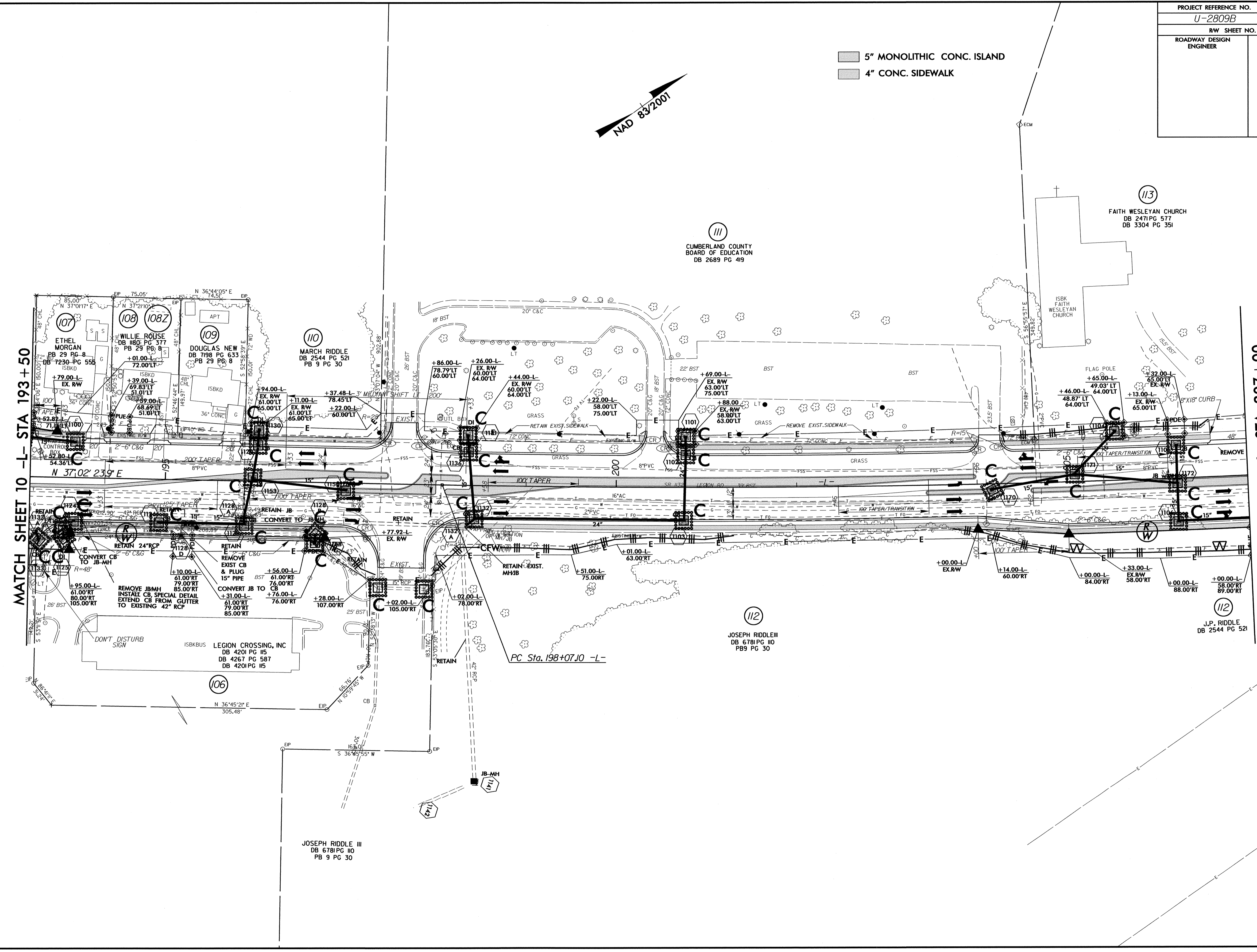
REVISIONS

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MATCH SHEET 11 -L- STA 193+50

PROJECT REFERENCE NO. U-2809B	SHEET NO. EC-27/CONST.II
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

5" MONOLITHIC CONC. ISLAND
4" CONC. SIDEWALK



MATCH SHEET 10 -L- STA 193+50

MATCH SHEET 12 -L- STA 207+00

REVISIONS

8/17/99

22-MAY-2012 08:30 R:\Environment\U-2809B-EC-ph11.dgn

LEGION CROSSING, INC
DB 4201 PG 15
DB 4267 PG 587
DB 4201 PG 15

JOSEPH RIDDLE III
DB 6781 PG 10
PB 9 PG 30

III
CUMBERLAND COUNTY
BOARD OF EDUCATION
DB 2689 PG 419

113
FAITH WESLEYAN CHURCH
DB 2471 PG 577
DB 3304 PG 351

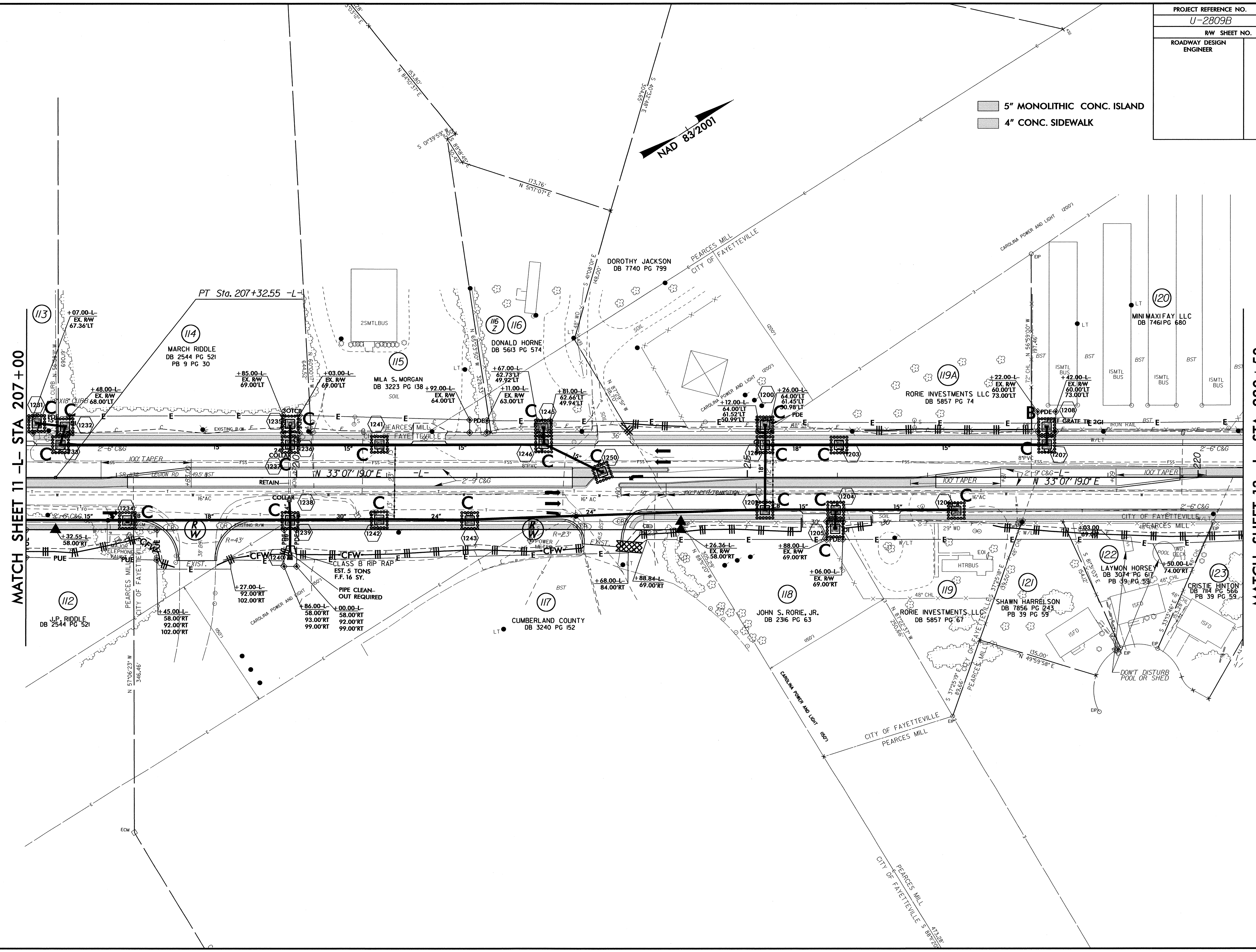
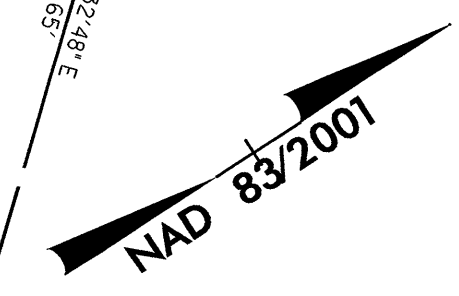
112
JOSEPH RIDDLE III
DB 6781 PG 10
PB 9 PG 30

112
J.P. RIDDLE
DB 2544 PG 521

PC Sta. 198+07.10 -L-

PROJECT REFERENCE NO.	SHEET NO.
U-2809B	EC-28/CONST.12
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

5" MONOLITHIC CONC. ISLAND
 4" CONC. SIDEWALK



MATCH SHEET 11 -L- STA 207+00

MATCH SHEET 13 -L- STA 220+50

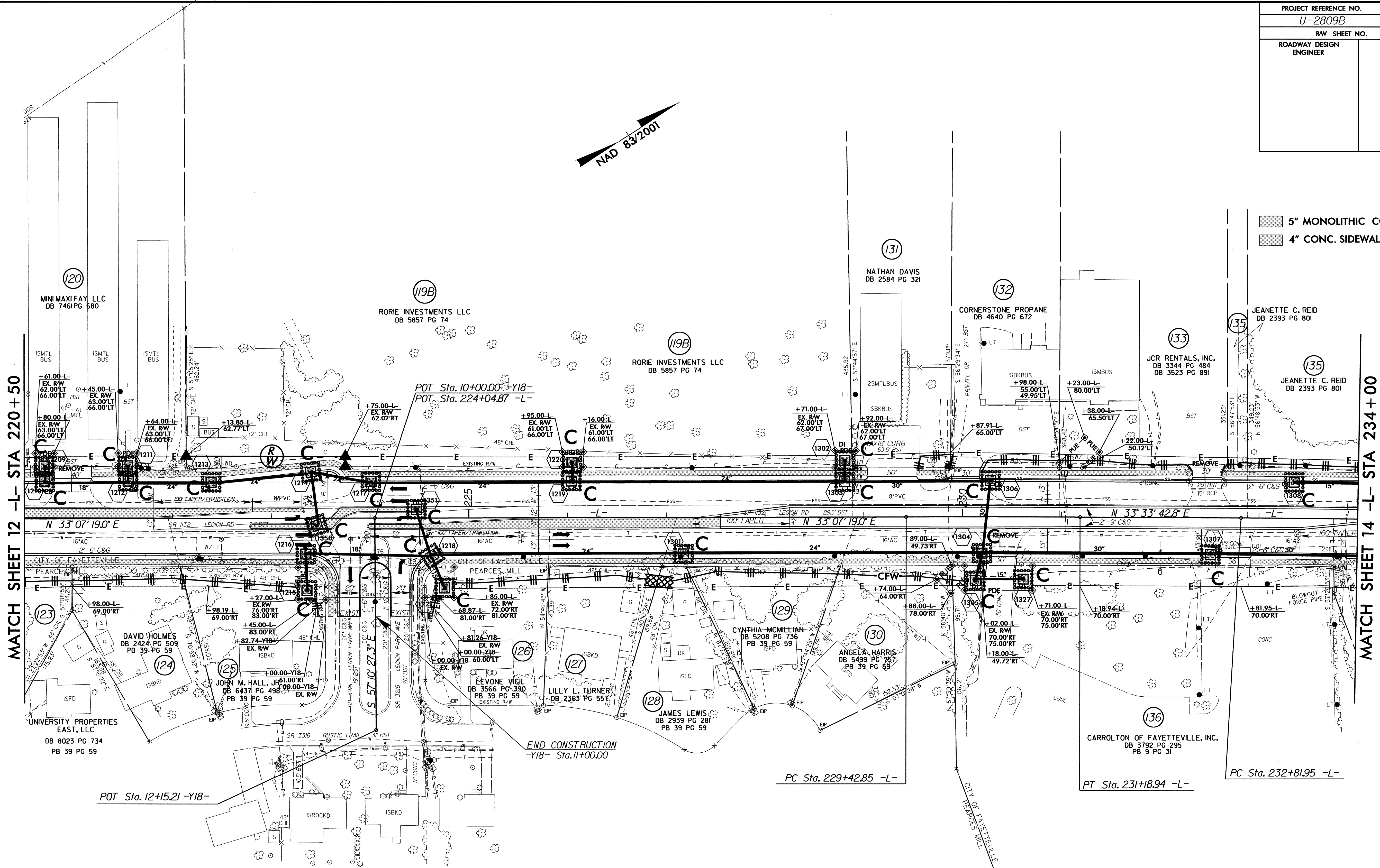
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8/17/99
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PROJECT REFERENCE NO.	SHEET NO.
U-2809B	EC-29/CONST.13
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



5" MONOLITHIC CONC. ISLAND
 4" CONC. SIDEWALK



MATCH SHEET 12 -L- STA 220+50

MATCH SHEET 14 -L- STA 234+00

POT Sta. 12+15.21 -Y18-

END CONSTRUCTION
 -Y18- Sta. 11+00.00

PC Sta. 229+42.85 -L-

PT Sta. 231+18.94 -L-

PC Sta. 232+81.95 -L-

REVISIONS

8/17/99
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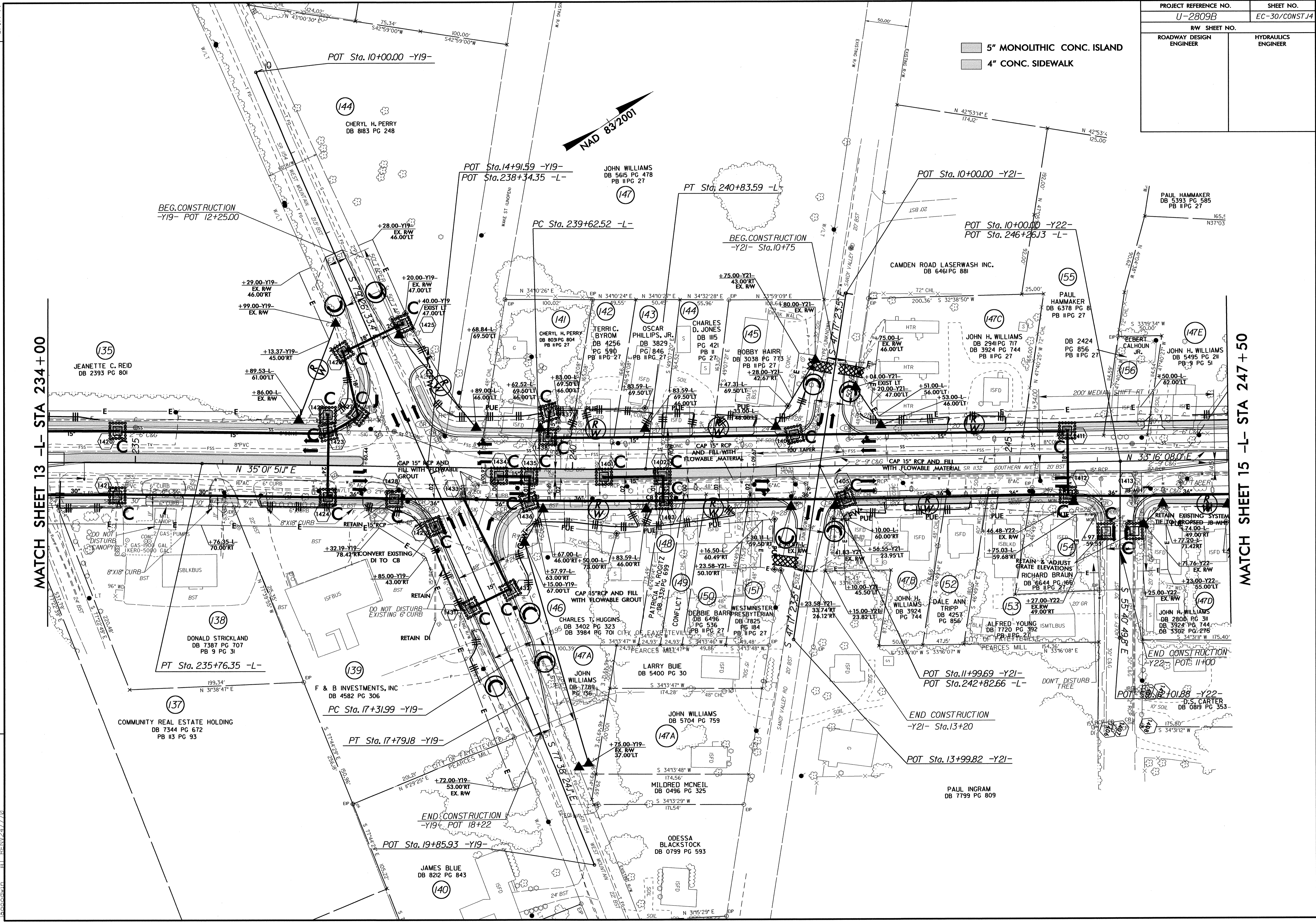
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RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

5" MONOLITHIC CONC. ISLAND
4" CONC. SIDEWALK



MATCH SHEET 13 -L- STA 234+00

MATCH SHEET 15 -L- STA 247+50



REVISIONS

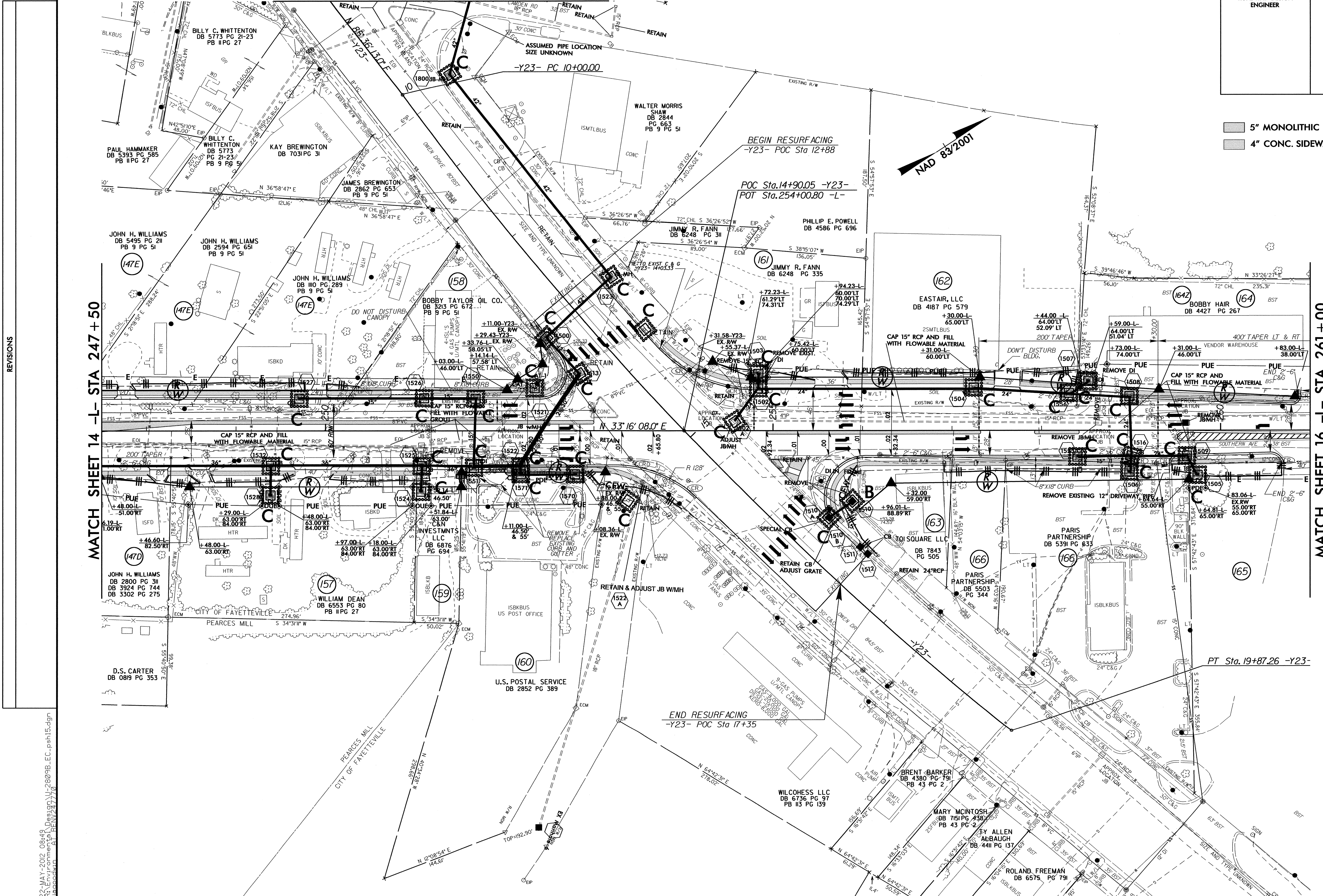
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8/17/99

MATCH SHEET 15A -Y23- STA 8+67.74

PROJECT REFERENCE NO.	SHEET NO.
U-2809B	EC-31/CONST15
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

5" MONOLITHIC CONC. ISLAND
 4" CONC. SIDEWALK



REVISIONS

MATCH SHEET 14 -L- STA 247 + 50

MATCH SHEET 16 -L- STA 261 + 00

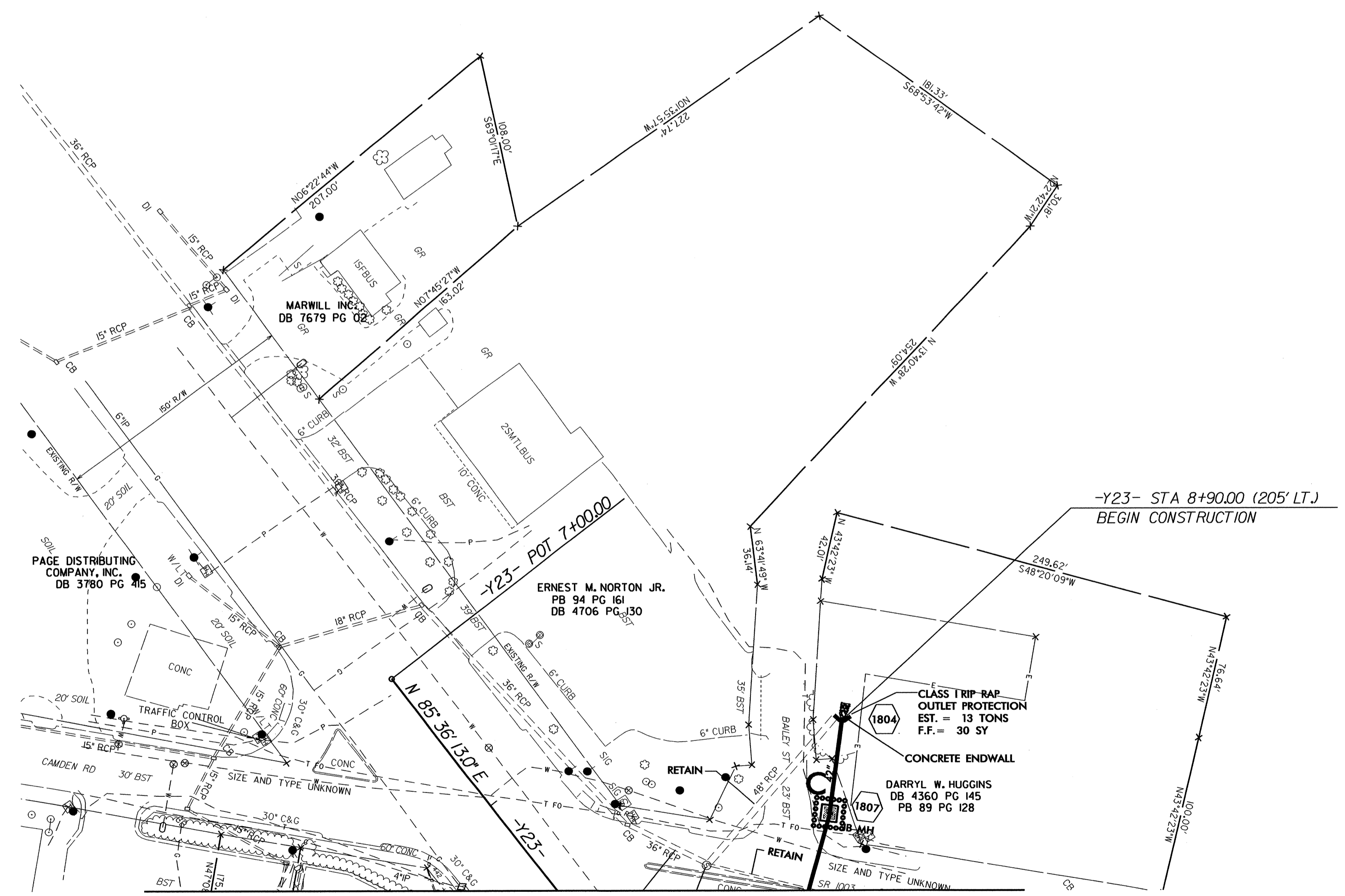
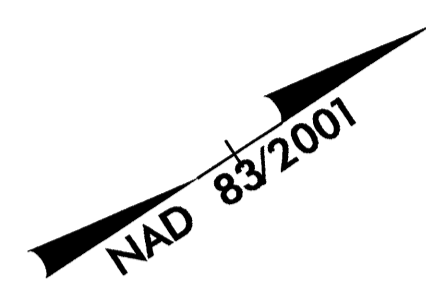
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8/17/99

PROJECT REFERENCE NO.	SHEET NO.
U-2809B	EC-32/CONST.15A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99

REVISIONS



MATCH SHEET 15 -Y23- STA 8+67.75

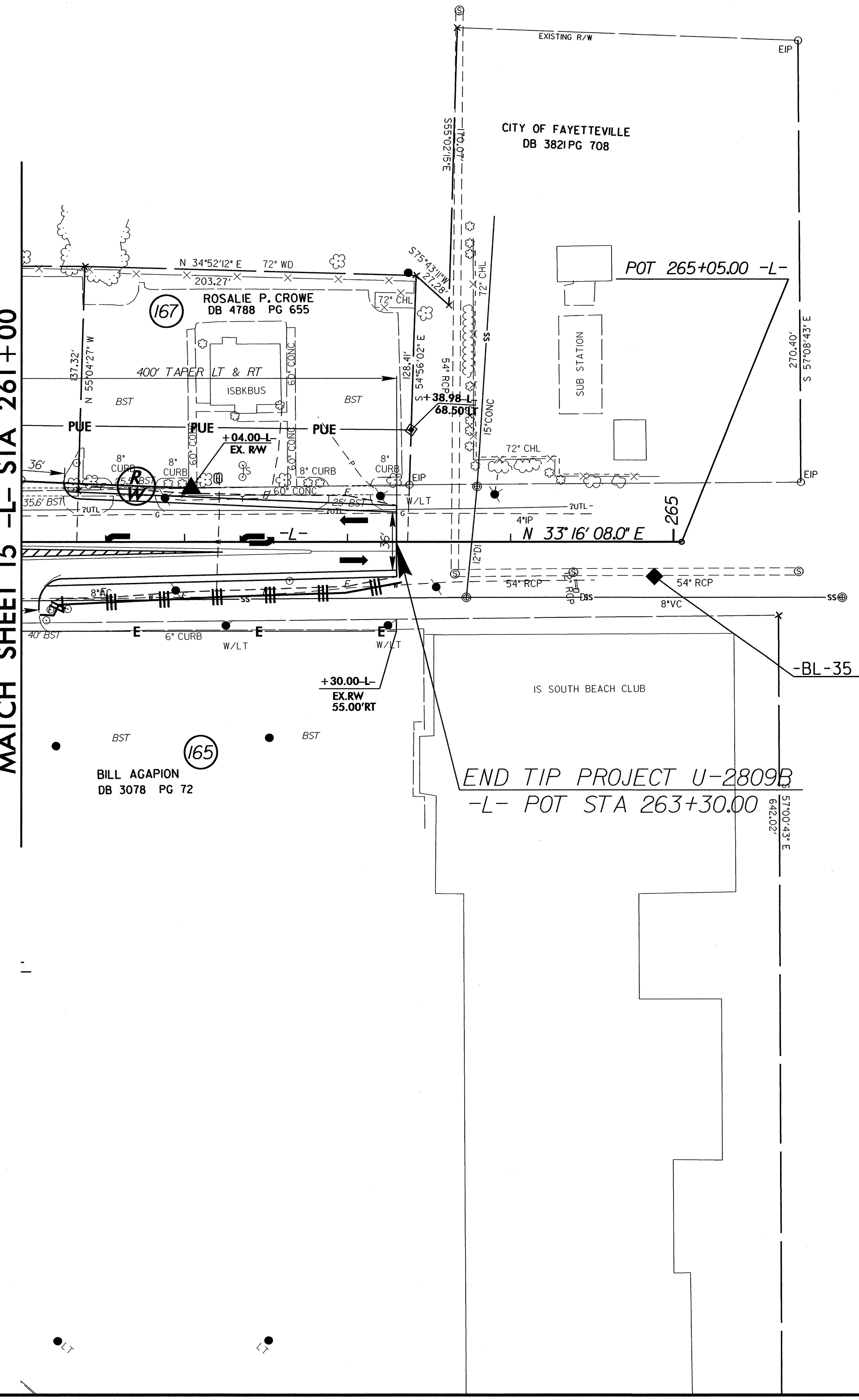
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 RENY27770

PROJECT REFERENCE NO.	SHEET NO.
U-2809B	EC-33/CONST.16
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99



MATCH SHEET 15 -L- STA 261+00



REVISIONS

22-MAY-2019 08:53 Design\U-2809B.EC-psht16.dgn
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END TIP PROJECT U-2809B
-L- POT STA 263+30.00