

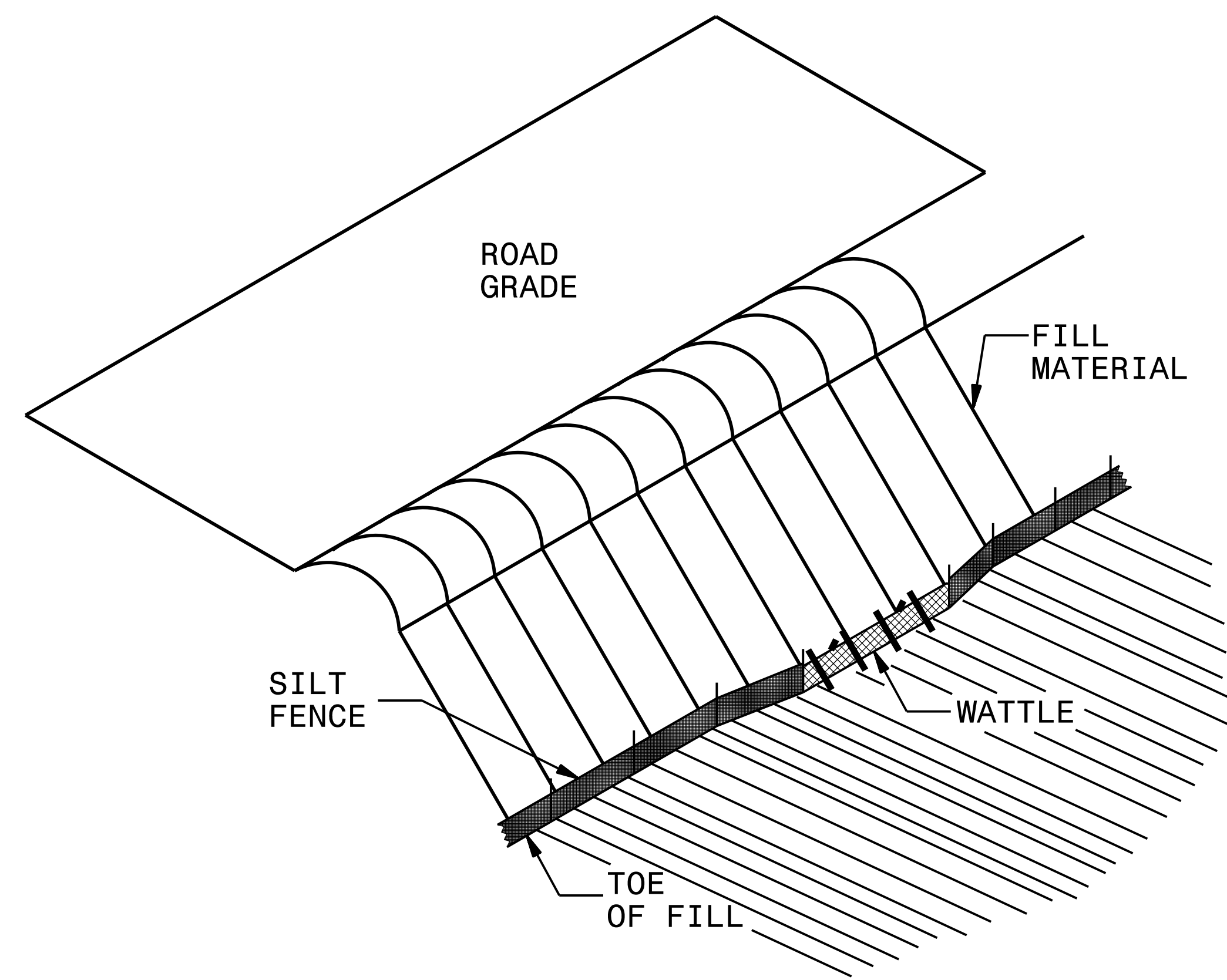


# DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA

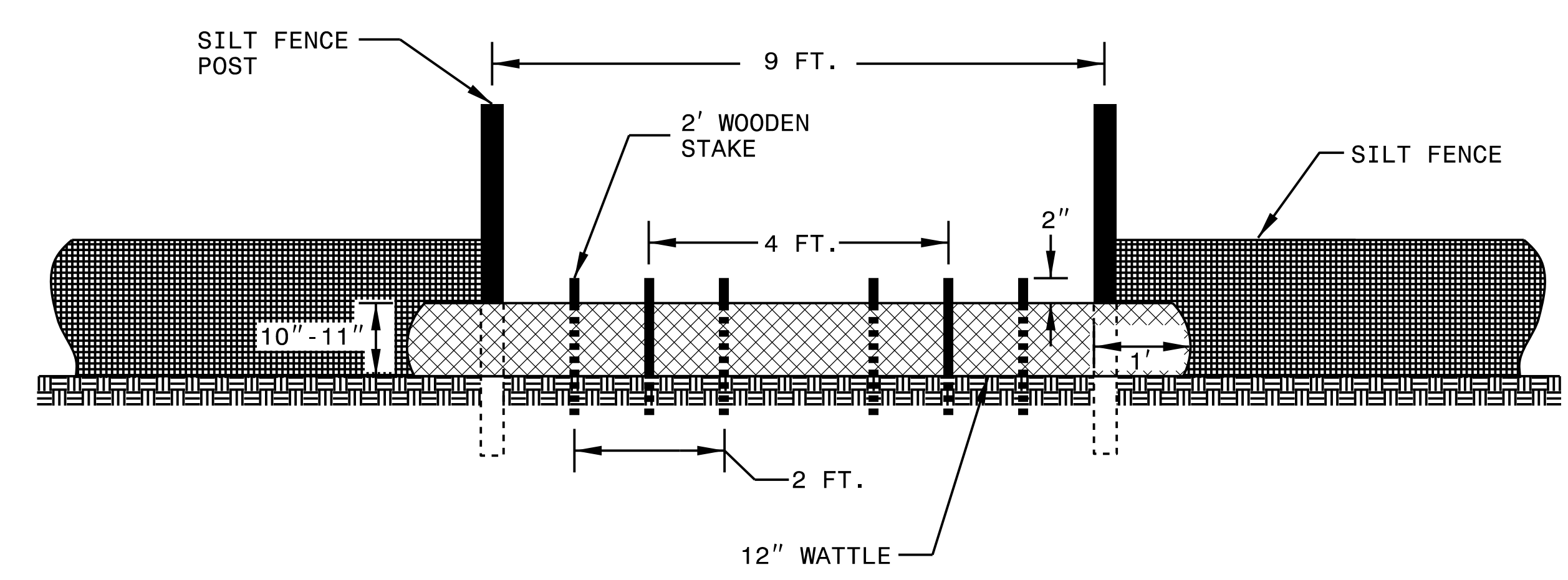
## EROSION & SEDIMENT CONTROL LEGEND

<u>Std. #</u>	<u>Description</u>	<u>Symbol</u>	<u>Std. #</u>	<u>Description</u>	<u>Symbol</u>
1605.01	Temporary Silt Fence		1633.01	Temporary Rock Silt Check Type A	
1606.01	Special Sediment Control Fence		1633.02	Temporary Rock Silt Check Type B	
1622.01	Temporary Berms and Slope Drains		1633.03	Temporary Rock Silt Check Type A with Excelsior Matting and Flocculant	
1630.02	Silt Basin Type B		1634.01	Temporary Rock Sediment Dam Type A	
1630.03	Temporary Silt Ditch		1634.02	Temporary Rock Sediment Dam Type B	
1630.04	Stilling Basin		1635.01	Rock Pipe Inlet Sediment Trap Type A	
1630.05	Temporary Diversion		1635.02	Rock Pipe Inlet Sediment Trap Type B	
1630.06	Special Stilling Basin		1636.01	Excelsior Wattle Check	
1630.07	Skimmer Basin		1636.01	Excelsior Wattle Check with Flocculant	
1630.08	Tiered Skimmer Basin		1636.01	Coir Fiber Wattle Check	
1630.09	Earthen Dam with Skimmer		1636.01	Coir Fiber Wattle Check with Flocculant	
	Infiltration Basin		1636.02	Silt Fence Excelsior Wattle Break	
	Rock Inlet Sediment Trap:			Silt Fence Coir Fiber Wattle Break	
1632.01	Type A		1636.03	Excelsior Wattle Barrier	
1632.02	Type B		1636.03	Coir Fiber Wattle Barrier	
1632.03	Type C				

# SILT FENCE COIR FIBER WATTLE BREAK DETAIL



**ISOMETRIC VIEW**

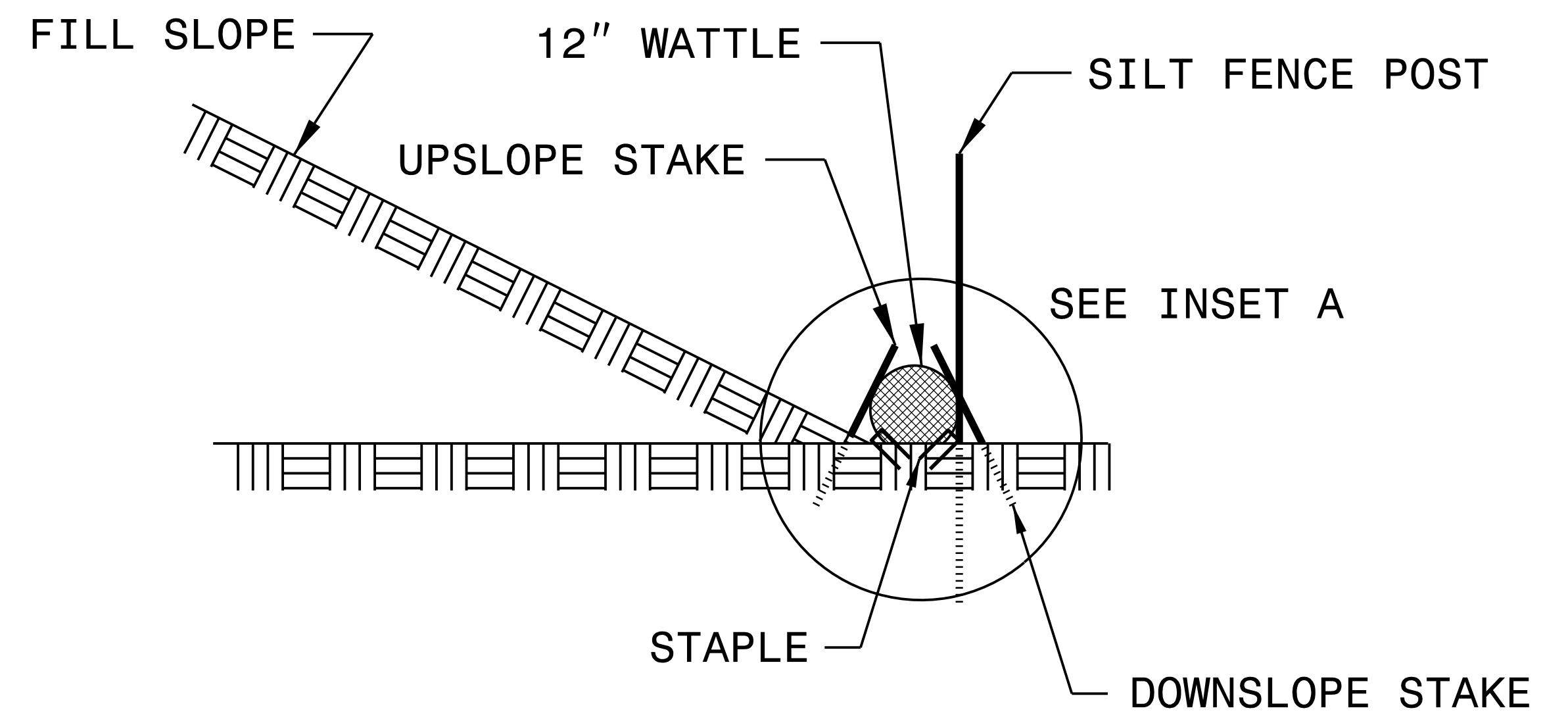
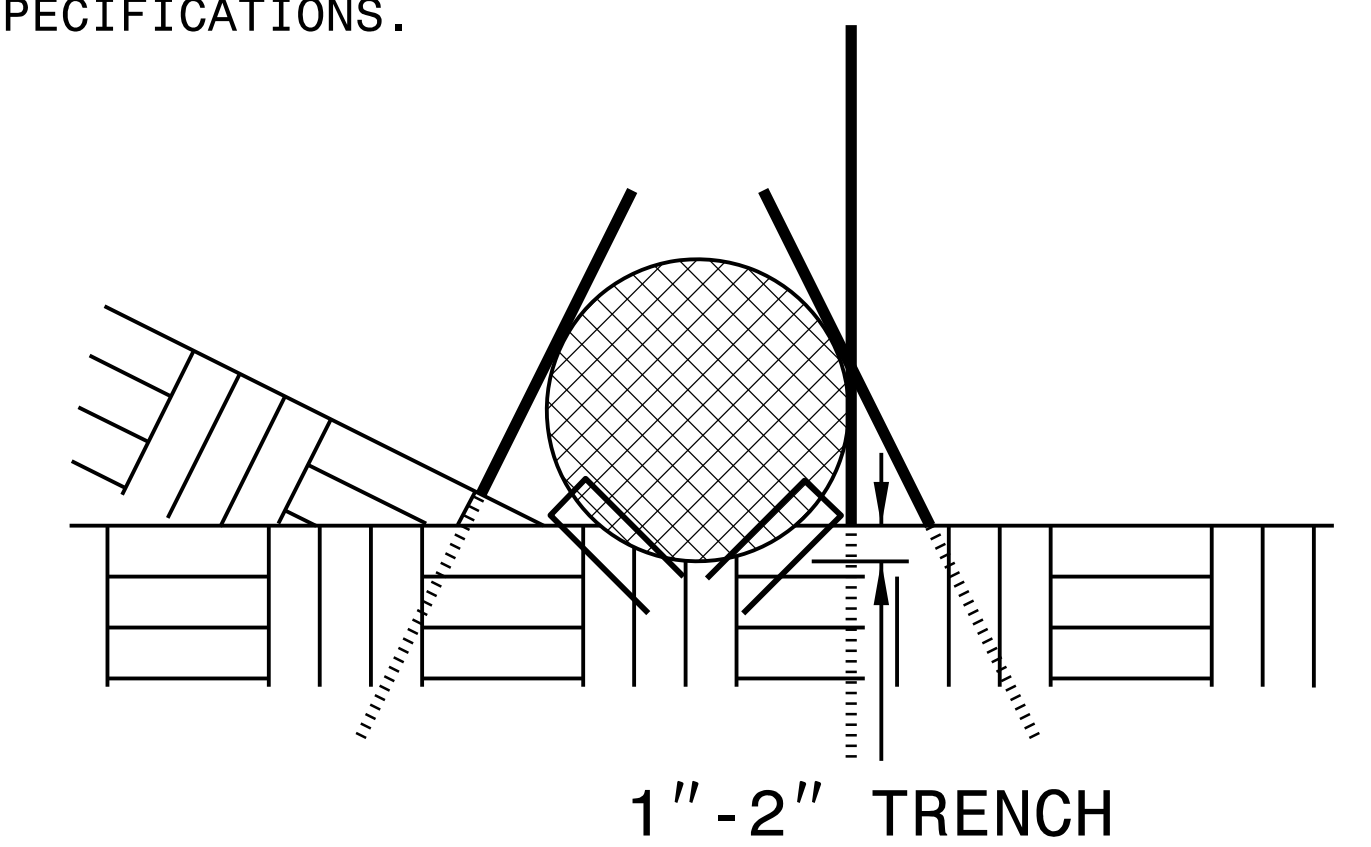


**VIEW FROM SLOPE**

**NOTES:**

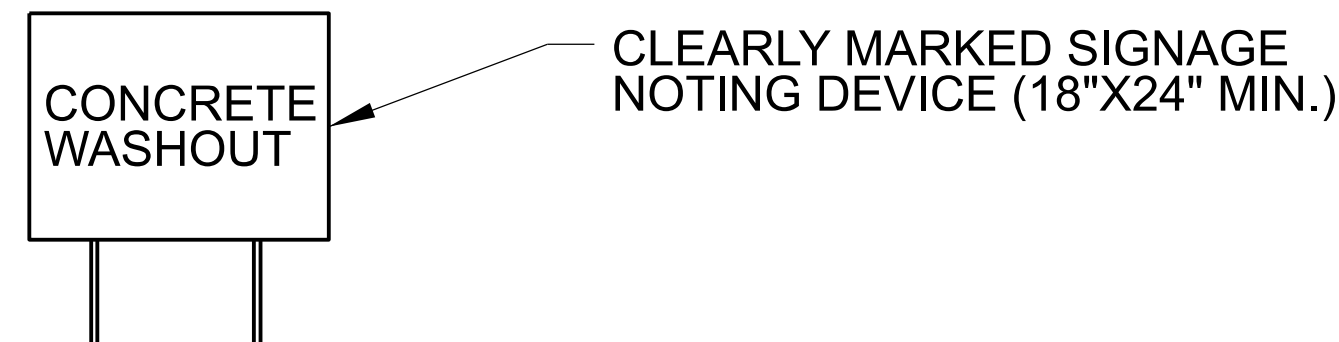
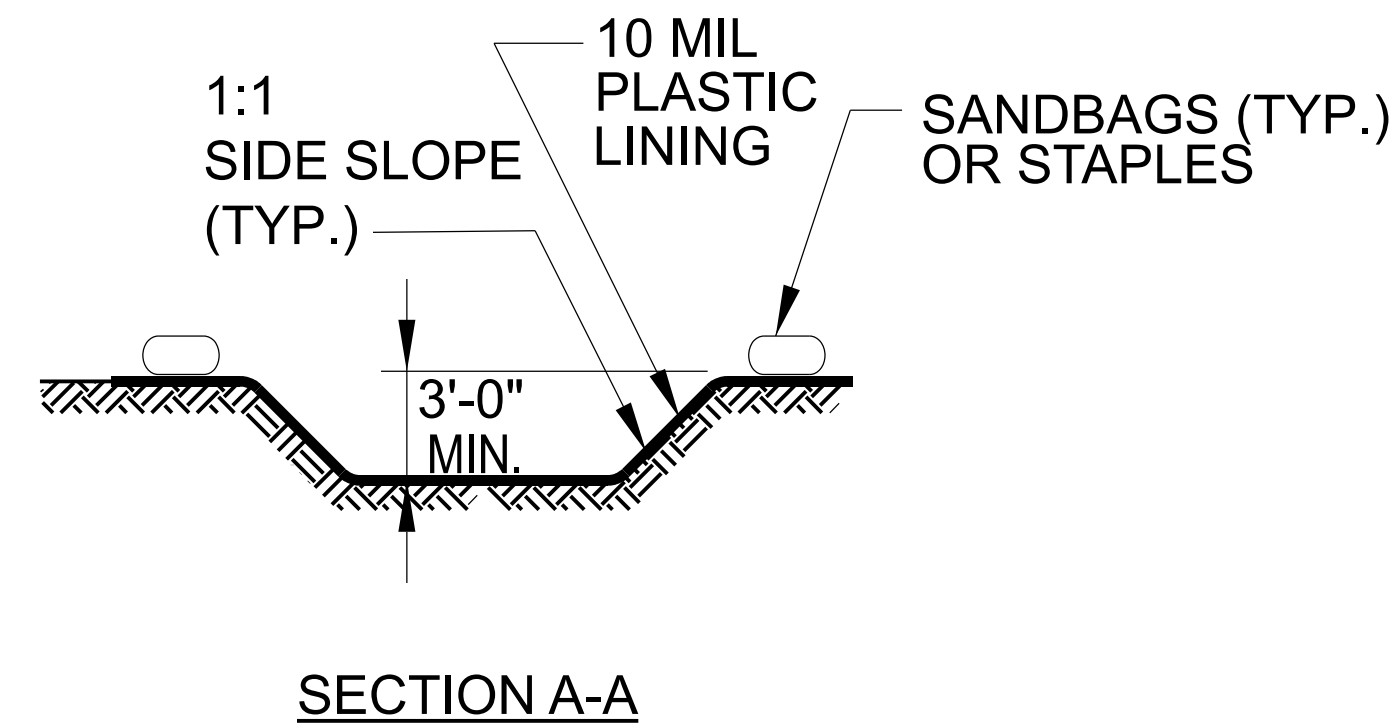
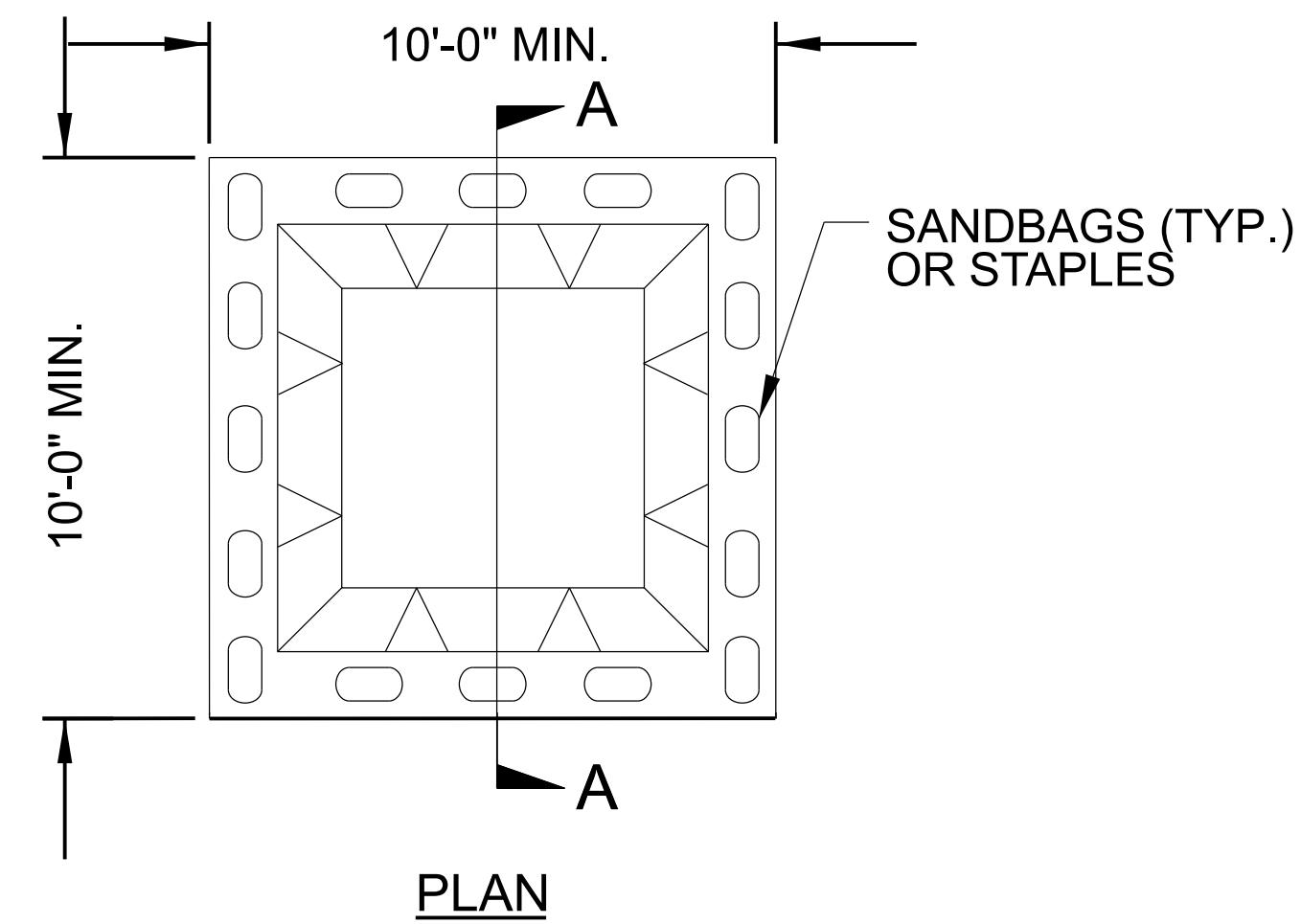
- USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE AND LENGTH OF 10 FT.
- EXCAVATE A 1 TO 2 INCH TRENCH FOR WATTLE TO BE PLACED.
- DO NOT PLACE WATTLE ON TOE OF SLOPE.
- USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.
- INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE 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**



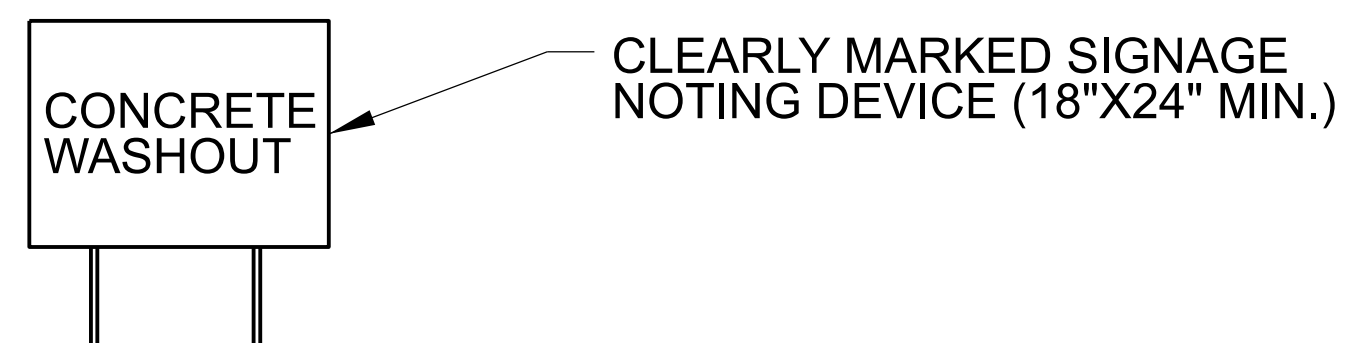
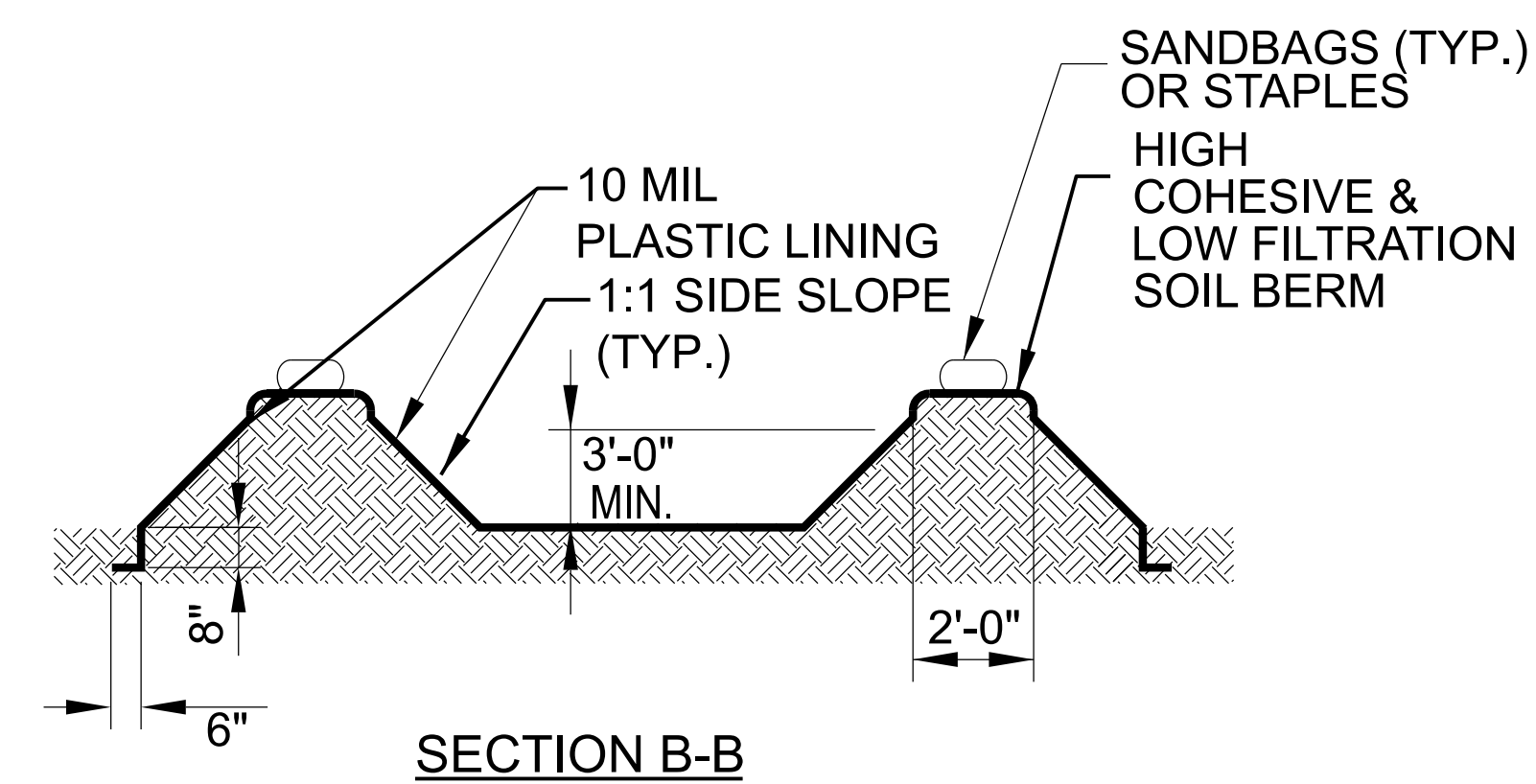
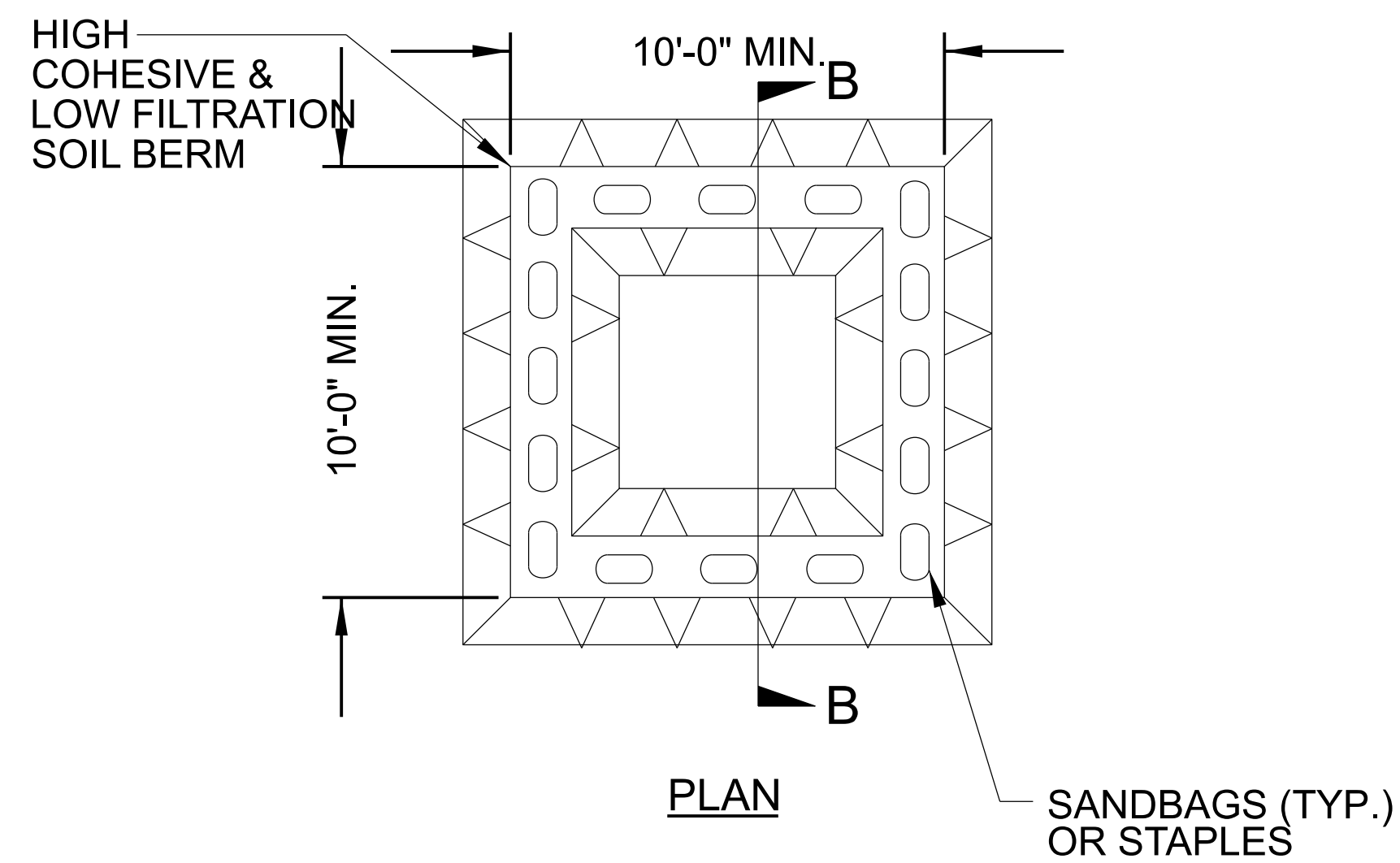
**SIDE VIEW**

# ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER



**BELOW GRADE WASHOUT STRUCTURE**  
NOT TO SCALE

- NOTES:**
1. ACTUAL LOCATION DETERMINED IN FIELD
  2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
  3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.



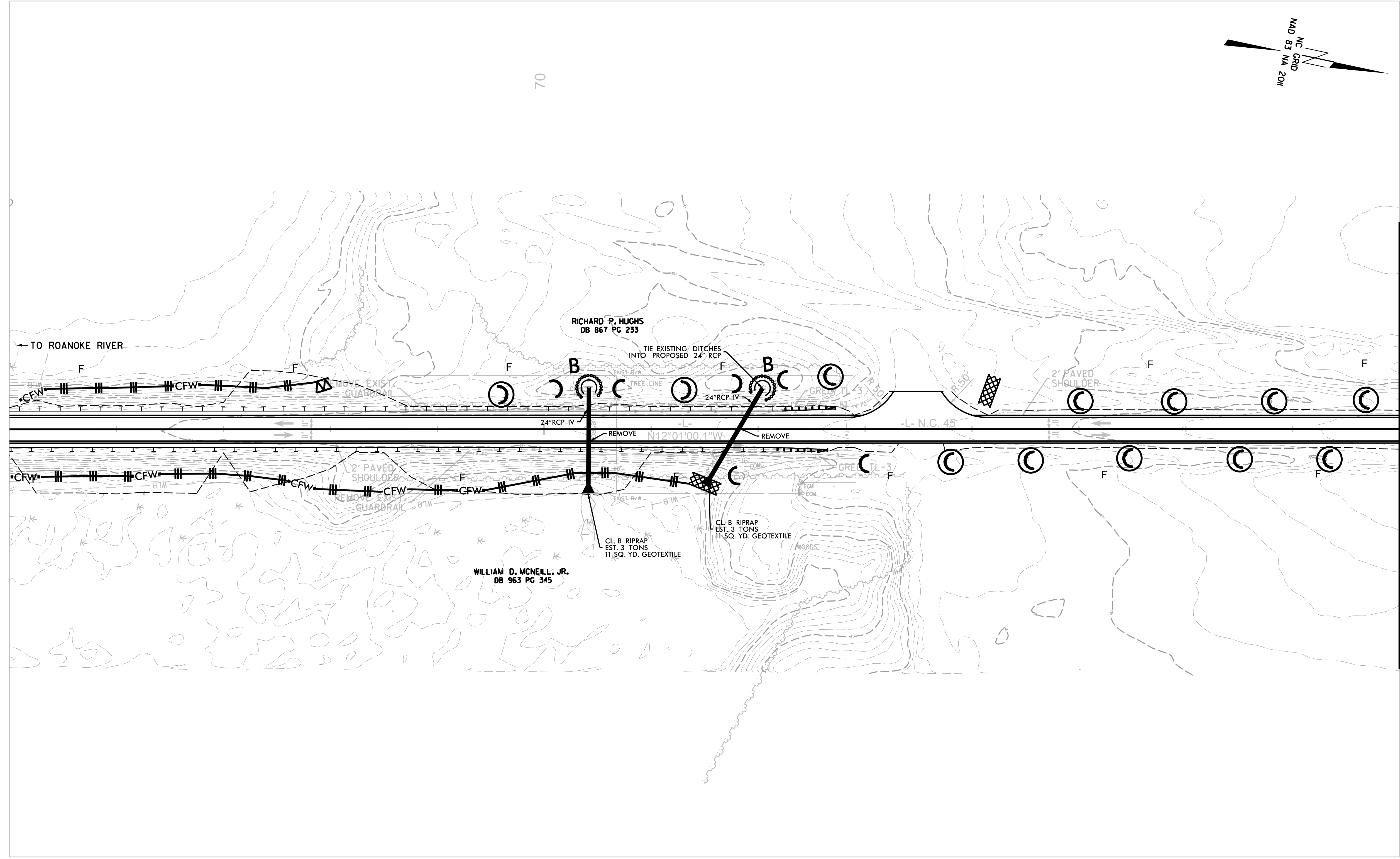
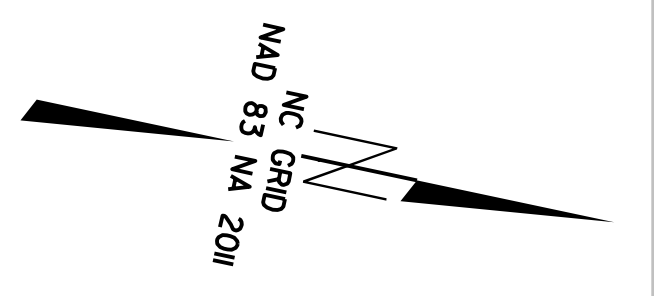
**ABOVE GRADE WASHOUT STRUCTURE**  
NOT TO SCALE

- NOTES:**
1. ACTUAL LOCATION DETERMINED IN FIELD
  2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
  3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.

PROJECT REFERENCE NO. <i>R-5809 A</i>	SHEET NO. EC-4/CONST. 4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.

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



REVISIONS

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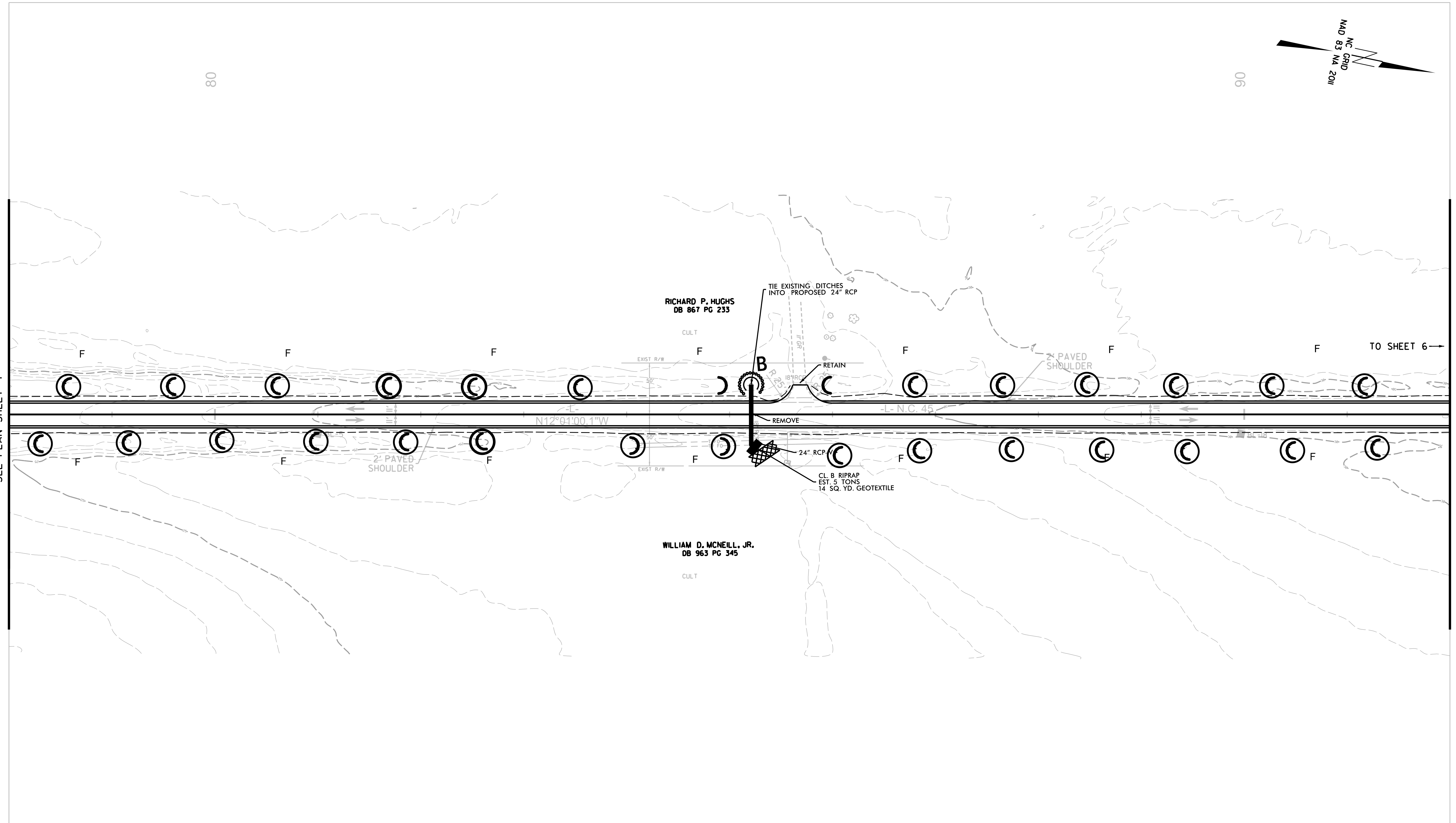
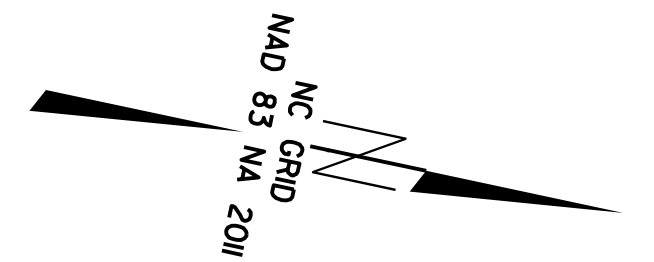
MATCHLINE - L - STA 78+00.00  
SEE PLAN SHEET 5

SEE SHEET NO. 19 FOR 'L' PROFILE

PROJECT REFERENCE NO. <i>R-5809 A</i>	SHEET NO. EC-5/CONST. 5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.

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



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MATCHLINE -L- STA 78+00.00  
SEE PLAN SHEET 4

-L- STA 92+00.00

SEE SHEET NO. 19 FOR 'L' PROFILE

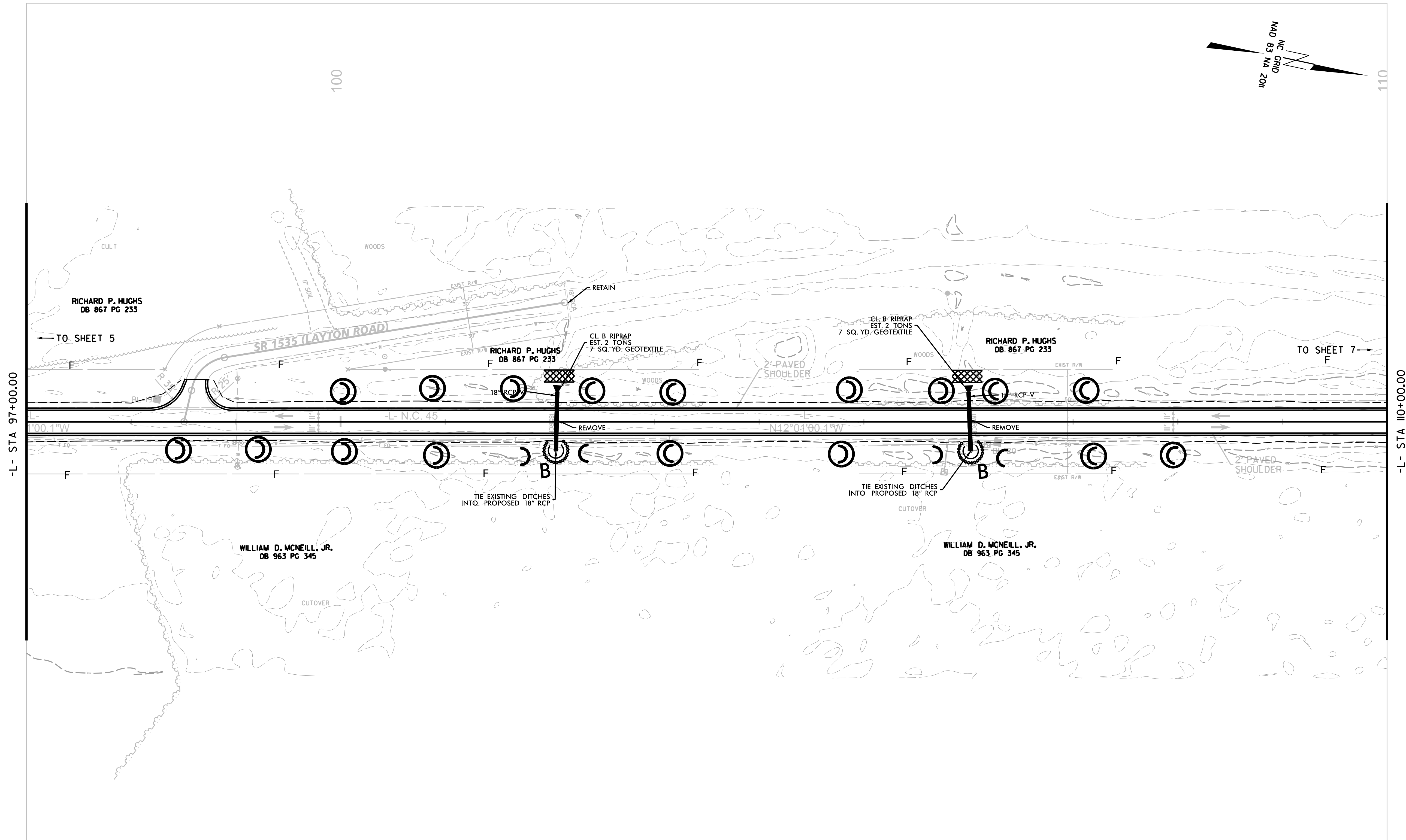
10/10/2023

PROJECT REFERENCE NO. <i>R-5809 A</i>	SHEET NO. EC-6/CONST.6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.

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

REVISIONS



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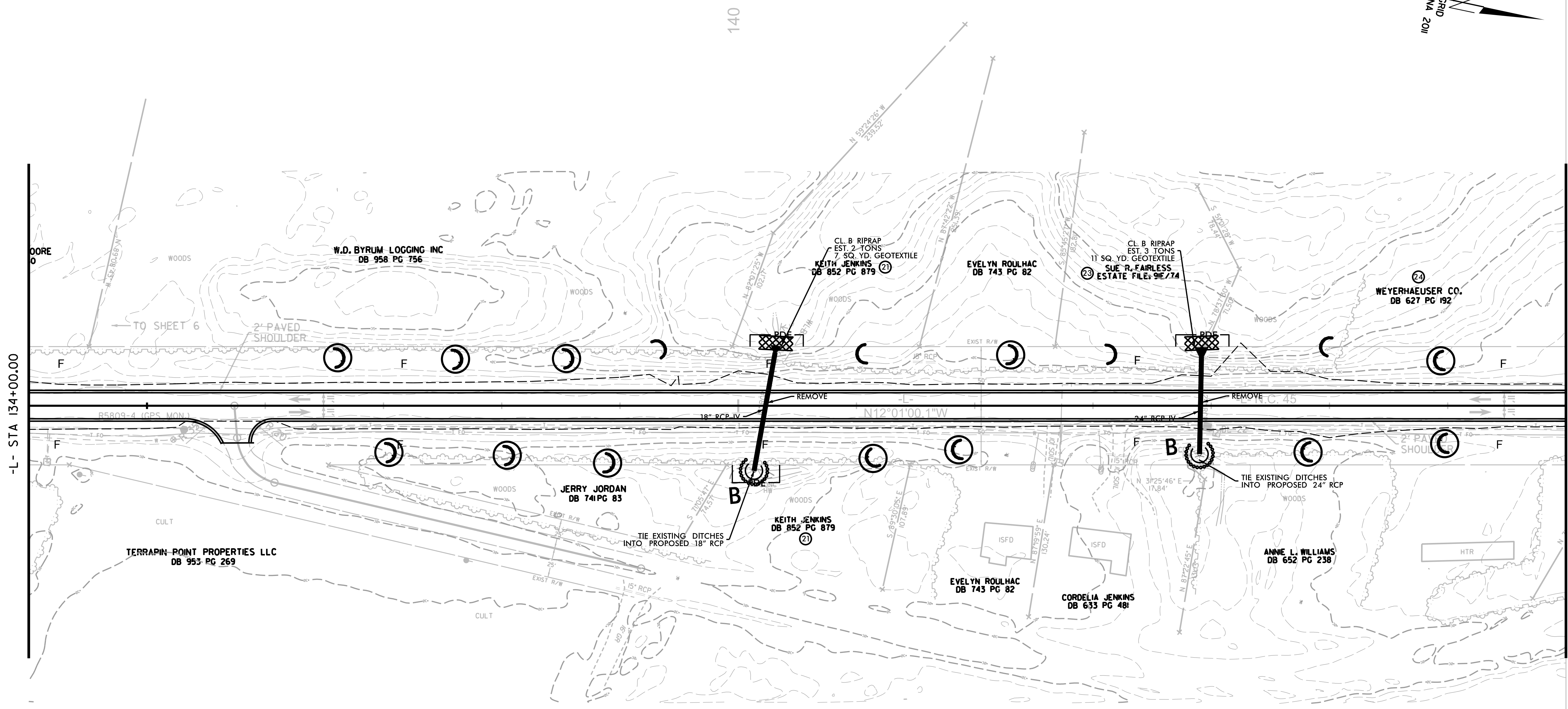
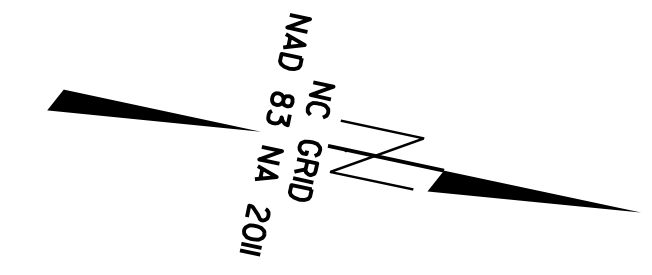
10/10/2023

SEE SHEET NO. 19 FOR 'L' PROFILE

PROJECT REFERENCE NO. <i>R-5809 A</i>	SHEET NO. EC-6A/CONST.6A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.

NOTE:  
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REVISIONS

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MATCHLINE -L- STA 147+00.00  
SEE PLAN SHEET 7

SEE SHEET NO. 19 FOR 'L' PROFILE

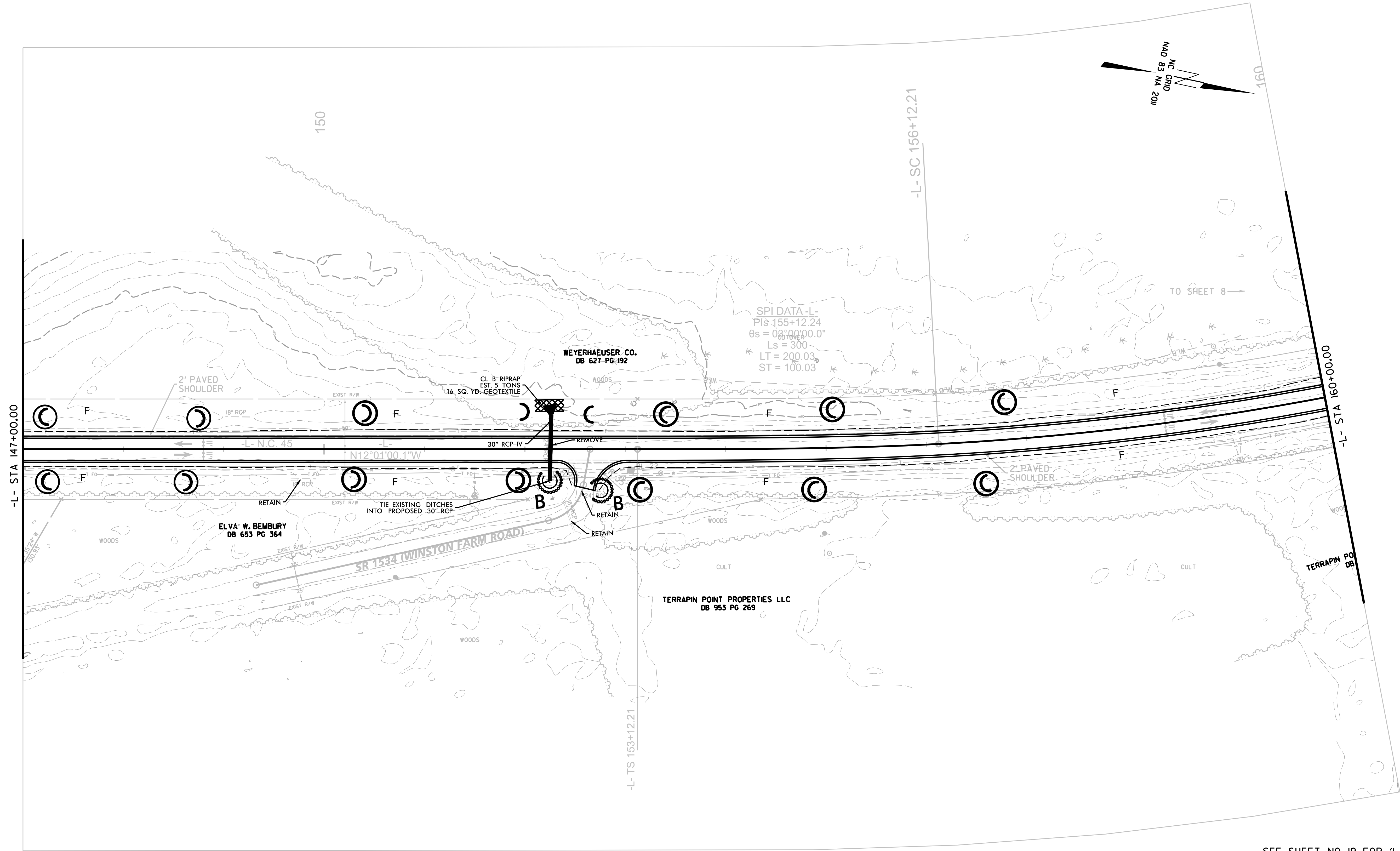


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RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.

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

REVISIONS



10/10/2023

SEE SHEET NO. 19 FOR 'L' PROFILE

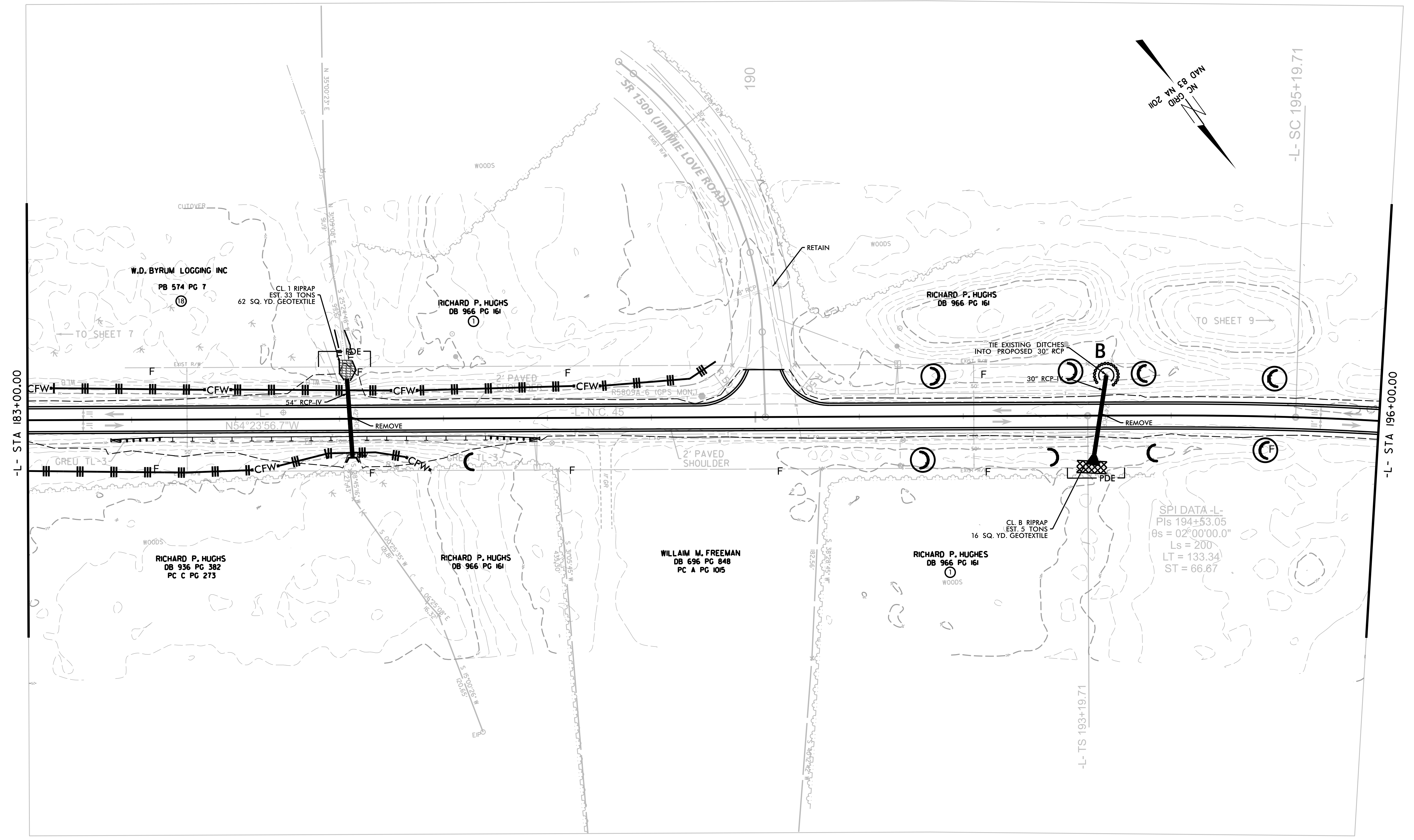
PROJECT REFERENCE NO. <i>R-5809 A</i>	SHEET NO. EC-8/CONST. 8
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.

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

INSTALL PIPE(S) IN JURISDICTIONAL AREAS WITHOUT IMPACTING STREAM UNTIL AREA STABILIZED AND ACCORDING TO NCDOT BEST MANAGEMENT PRACTICES FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES MANUAL.

REVISIONS



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SEE SHEET NO. 19 FOR 'L' PROFILE

PROJECT REFERENCE NO. <i>R-5809 A</i>	SHEET NO. EC-9/CONST. 9
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

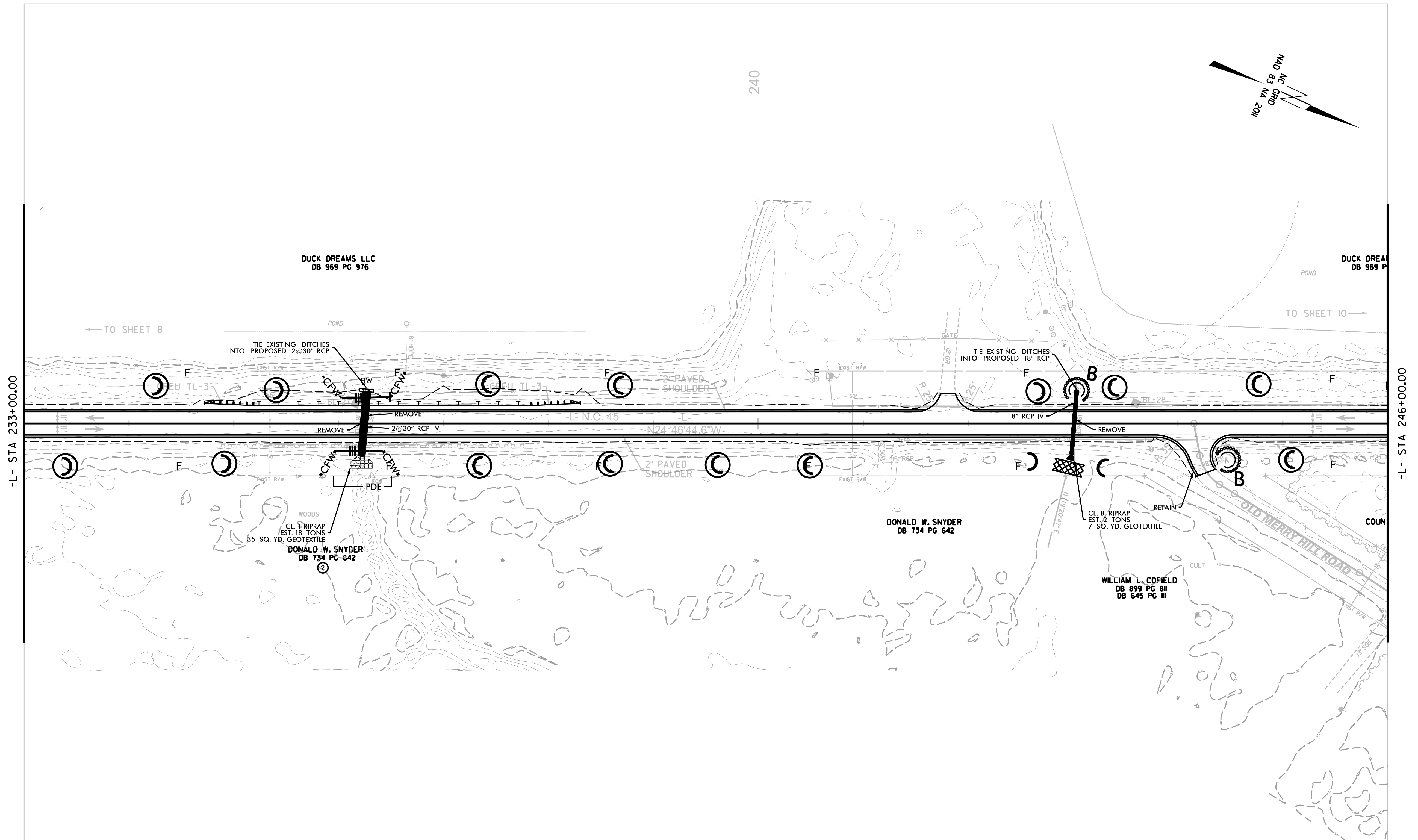
Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.

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

REVISIONS

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10/10/2023



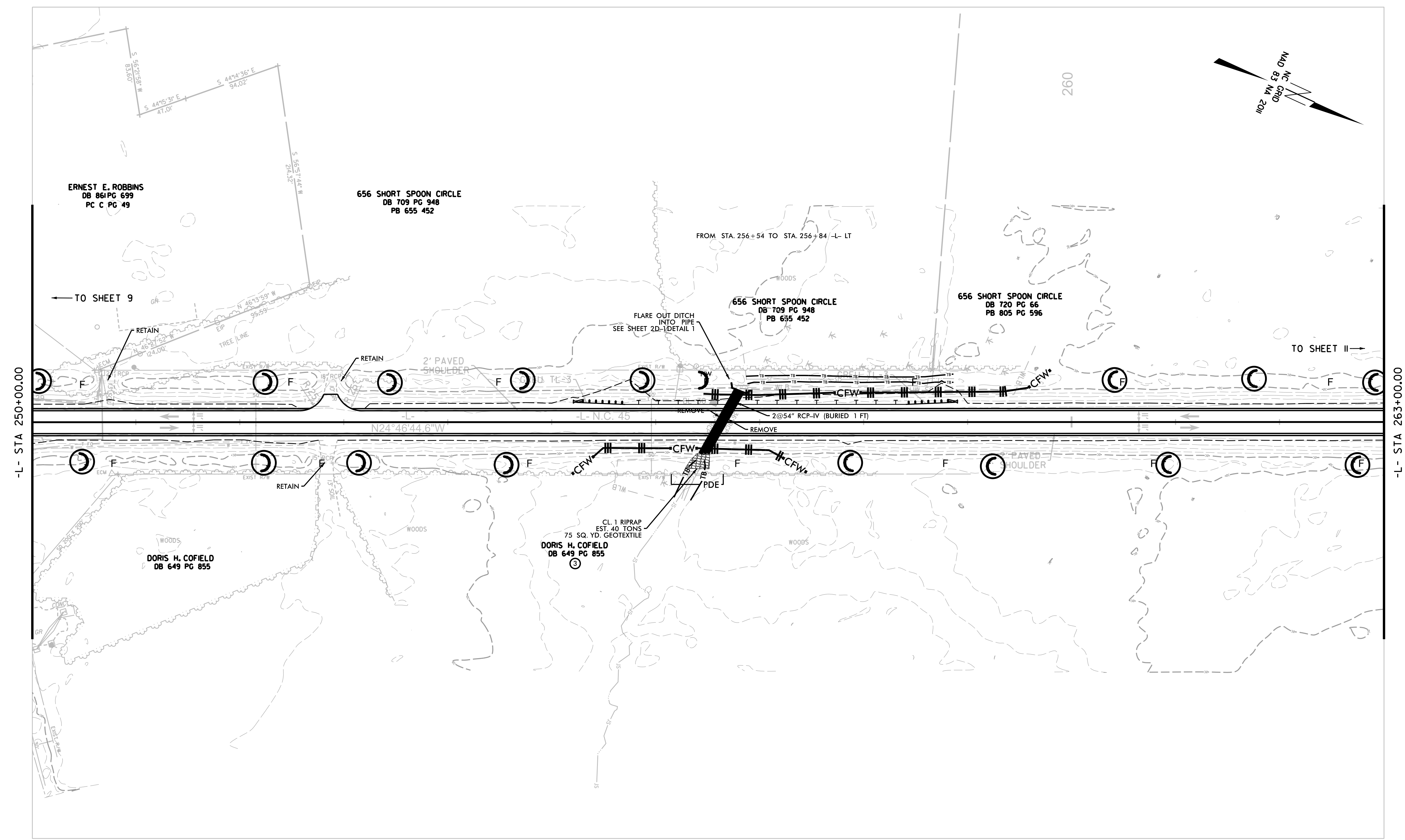
SEE SHEET NO. 20 FOR 'L' PROFILE

PROJECT REFERENCE NO.	SHEET NO.
R-5809 A	EC-10/CONST. 10
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.

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

INSTALL PIPE(S) IN JURISDICTIONAL AREAS WITHOUT IMPACTING STREAM UNTIL AREA STABILIZED AND ACCORDING TO NCDOT BEST MANAGEMENT PRACTICES FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES MANUAL.



REVISIONS

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10/10/2023

SEE SHEET NO. 20 FOR 'L' PROFILE

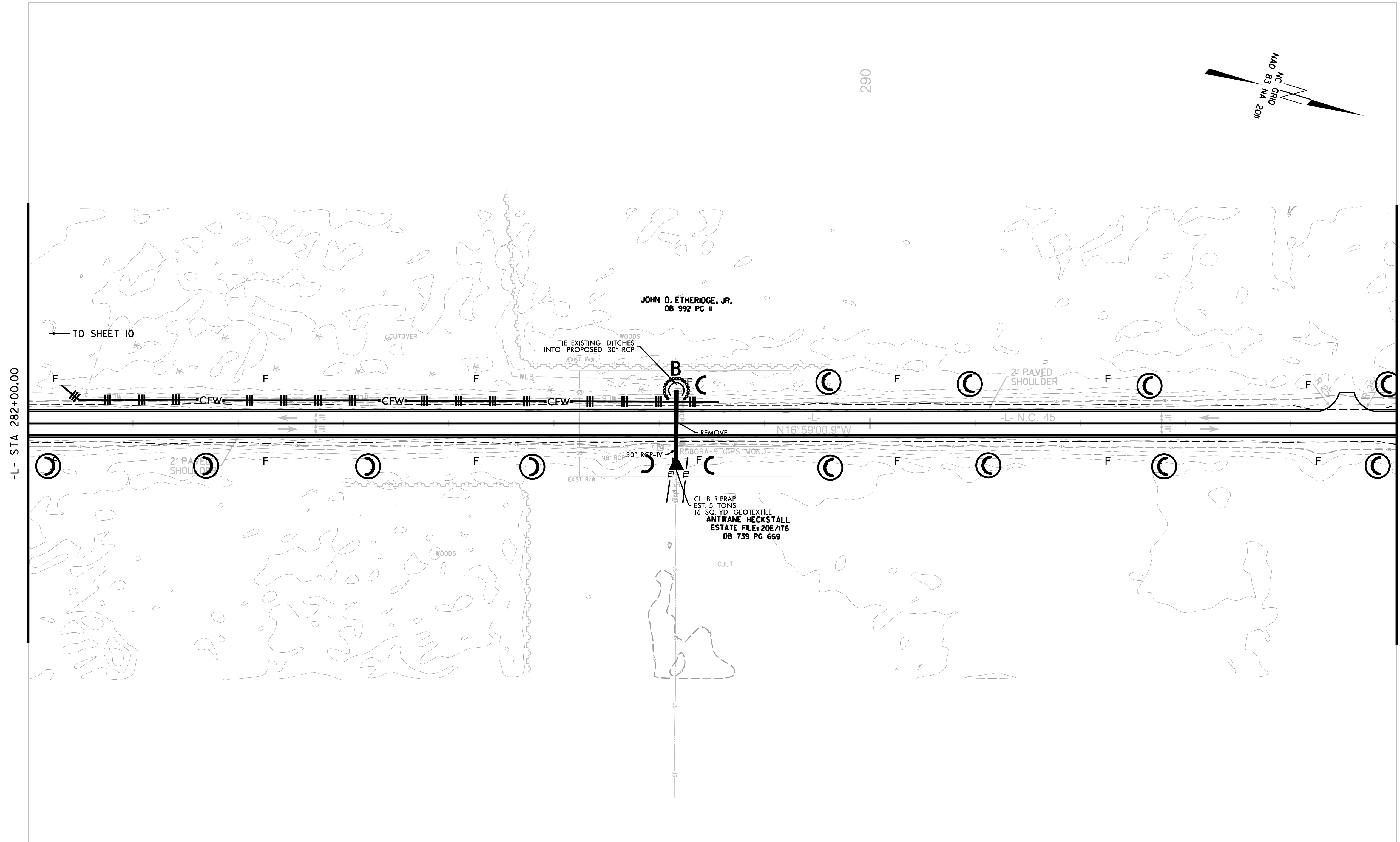
PROJECT REFERENCE NO. <i>R-5809 A</i>	SHEET NO. EC-11CONST. 11
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.

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

INSTALL PIPE(S) IN JURISDICTIONAL AREAS WITHOUT IMPACTING STREAM UNTIL AREA STABILIZED AND ACCORDING TO NCDOT BEST MANAGEMENT PRACTICES FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES MANUAL.

REVISIONS



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10/10/2023

SEE SHEET NO. 20 FOR 'L' PROFILE

5/14/99

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 12

**Kimley » Horn**  
4525 MAIN STREET, SUITE 1000  
VIRGINIA BEACH, VA 23462

PROJECT REFERENCE NO.	SHEET NO.
R-5809 A	EC-12/CONST. 12
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.

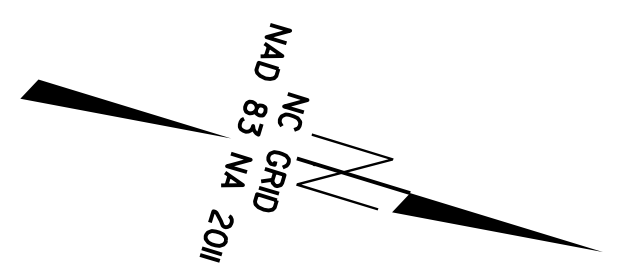
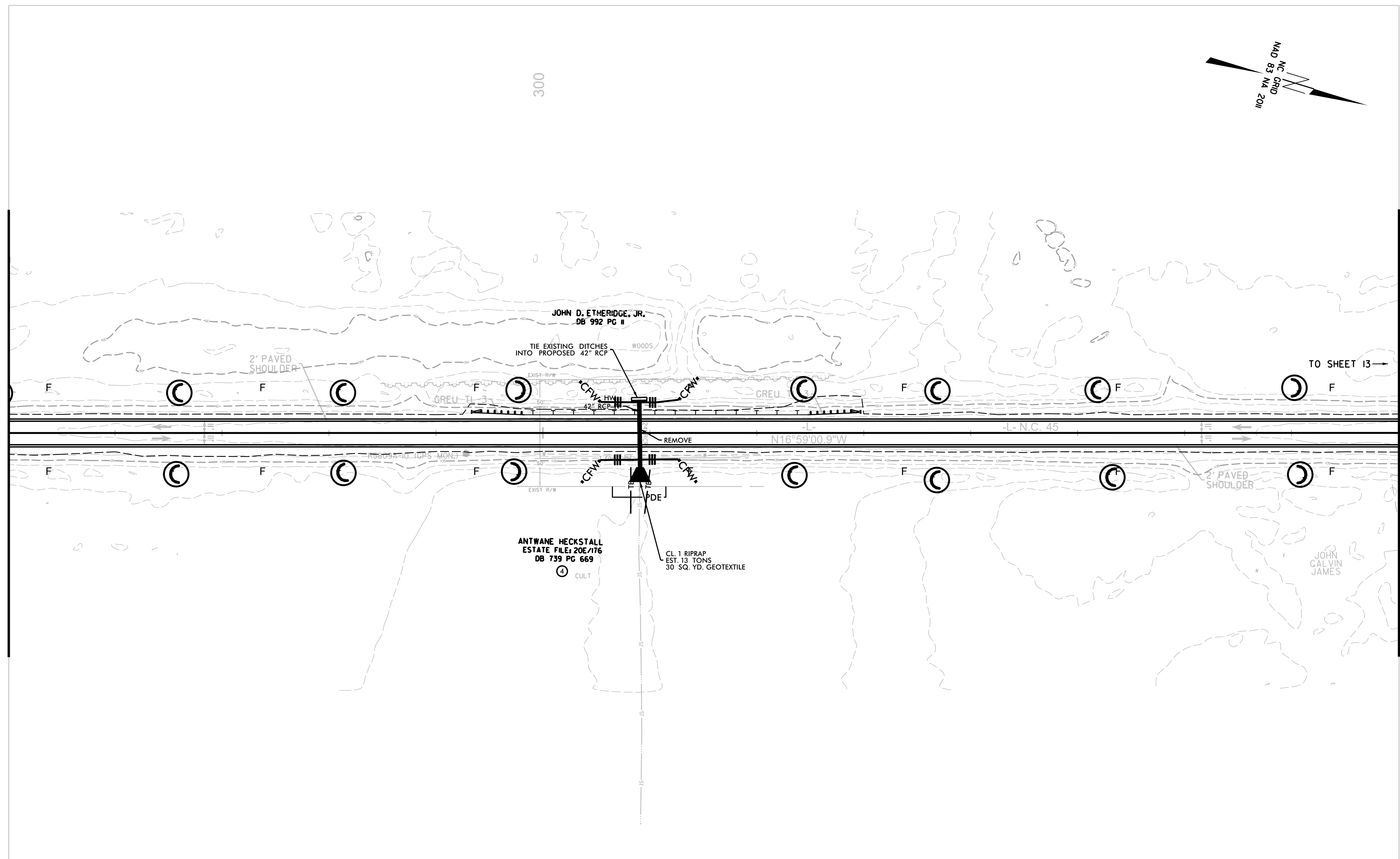
NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

INSTALL PIPE(S) IN JURISDICTIONAL AREAS WITHOUT IMPACTING STREAM UNTIL AREA STABILIZED AND ACCORDING TO NCDOT BEST MANAGEMENT PRACTICES FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES MANUAL.

REVISIONS

MATCHLINE -L- STA 295+00.00  
SEE PLAN SHEET II

-L- STA 308+00.00



TO SHEET 13 →

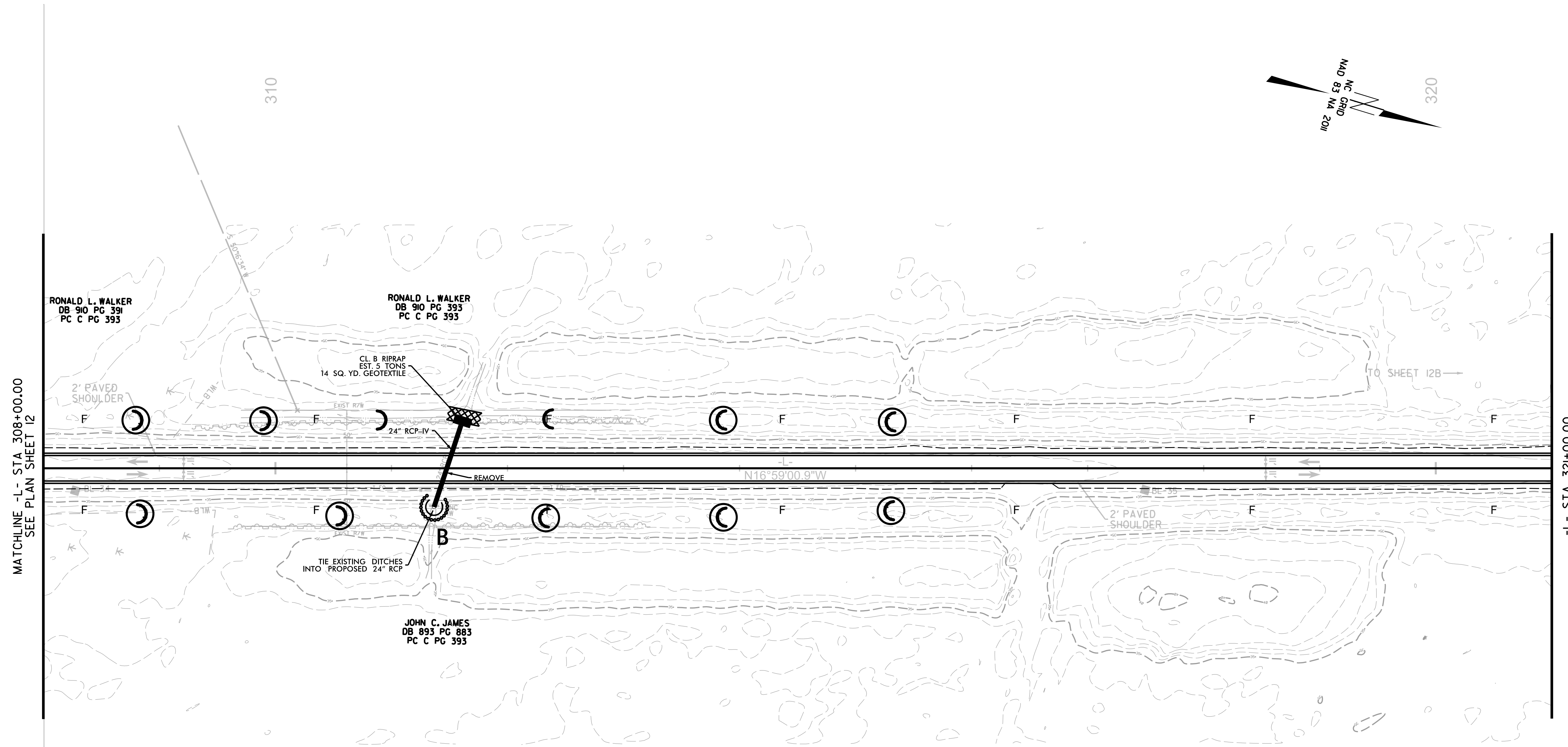
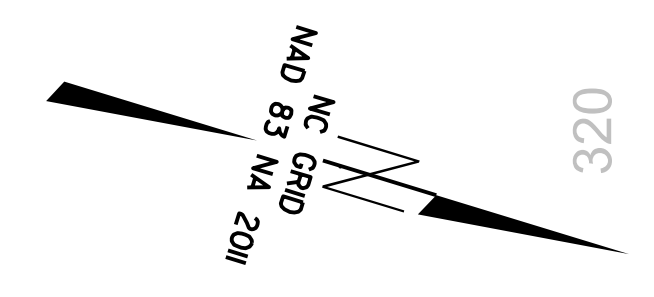
SEE SHEET NO. 20 FOR 'L' PROFILE

10/10/2023

PROJECT REFERENCE NO.	SHEET NO.
R-5809 A	EC-12A/CONST.12A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.

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



REVISIONS

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10/10/2023

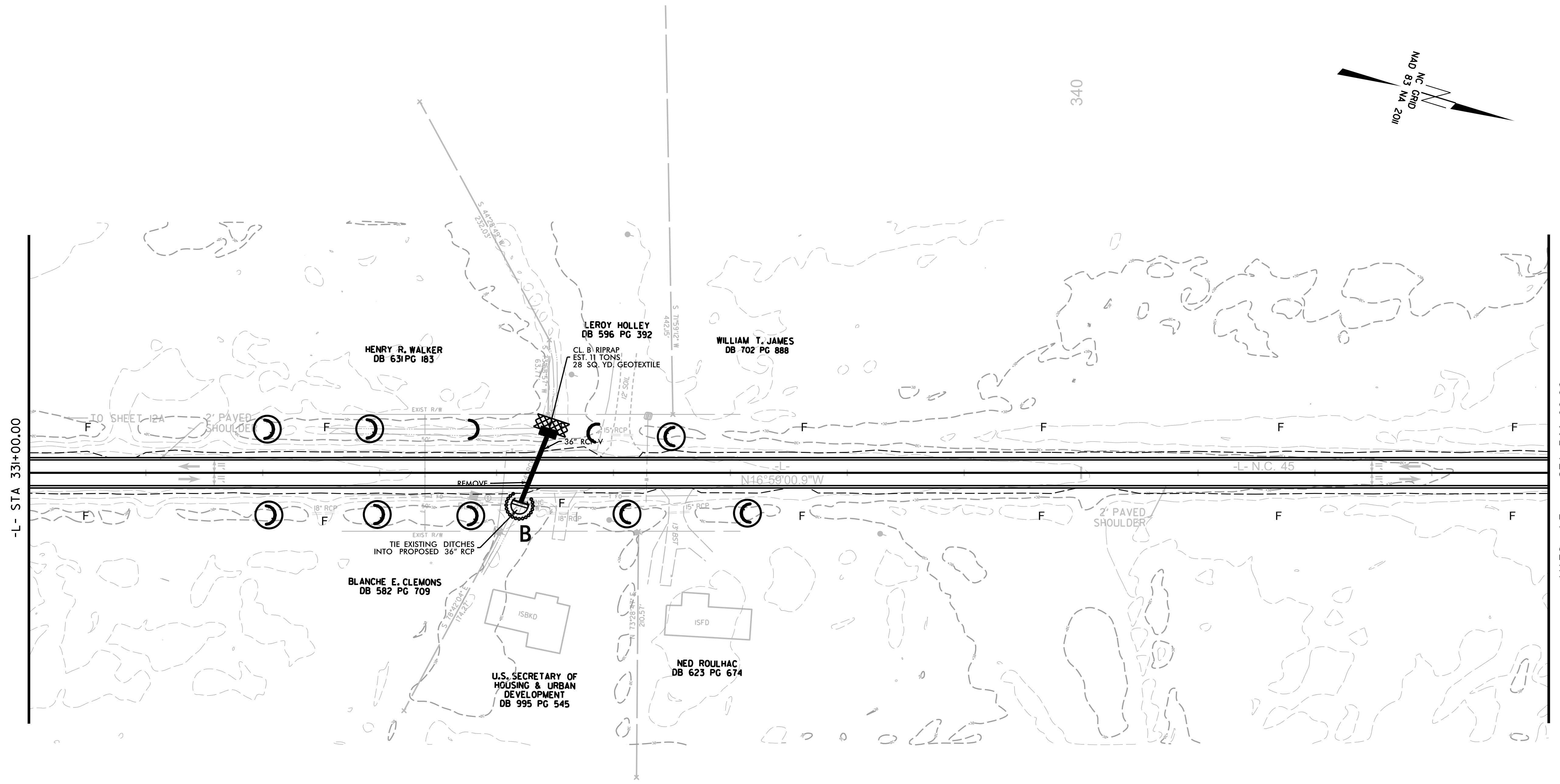
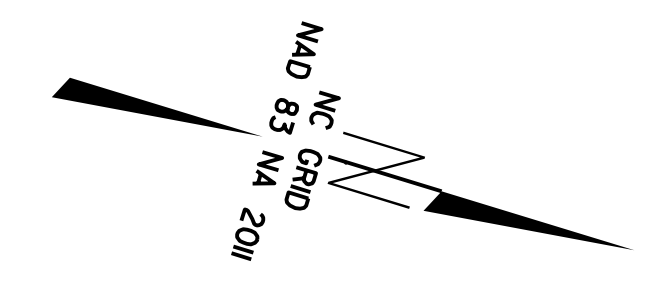
SEE SHEET NO. 20 FOR 'L' PROFILE

PROJECT REFERENCE NO. <i>R-5809 A</i>	SHEET NO. EC-12B/CONST.12B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.

NOTE:  
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REVISIONS



-L- STA 331+00.00

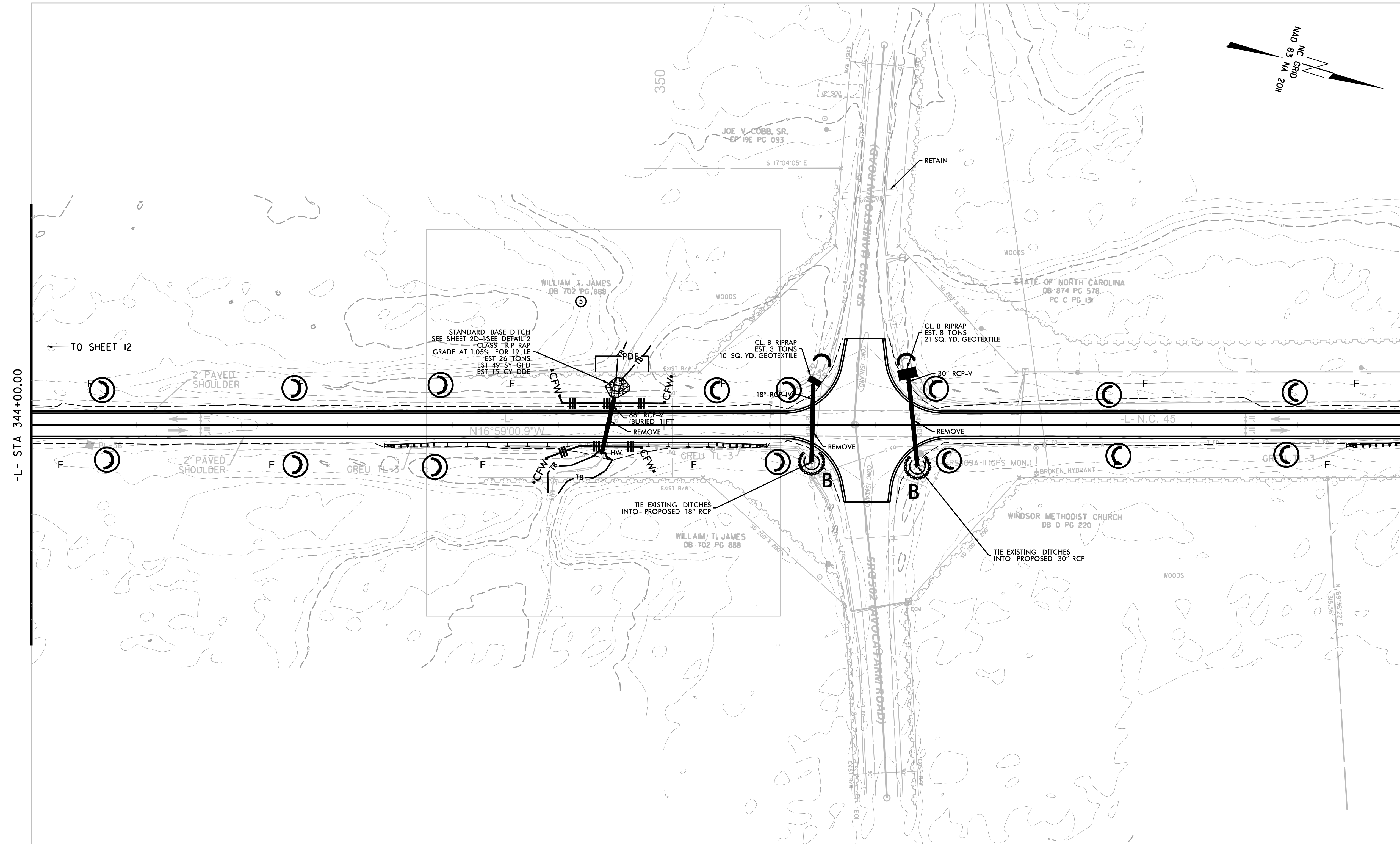
MATCHLINE -L- STA 344+00.00  
SEE PLAN SHEET 13



PROJECT REFERENCE NO. <i>R-5809 A</i>	SHEET NO. EC-13/CONST. 13
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.

NOTE:  
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REVISIONS

5/14/99

10/10/2023

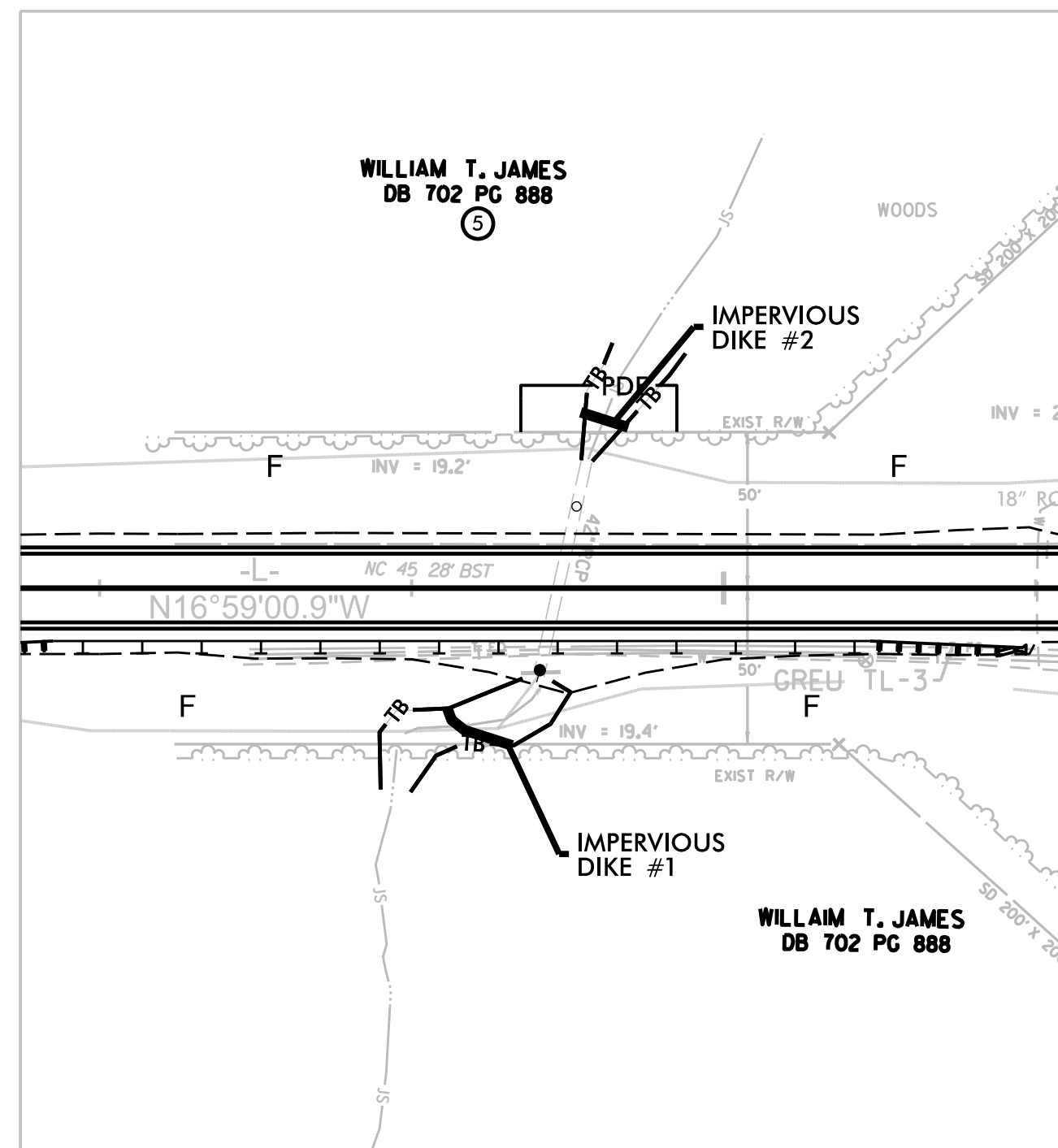
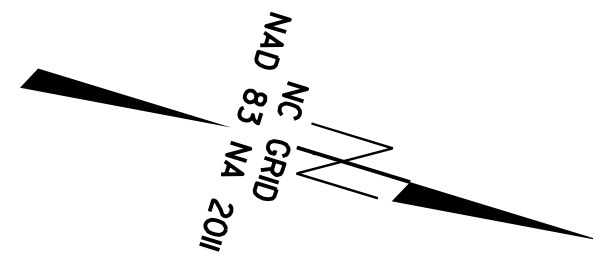
SEE SHEET NO. 20 FOR 'L' PROFILE

# CULVERT CONSTRUCTION SEQUENCE STA. 349+47 -L-

PROJECT REFERENCE NO. R-5809A	SHEET NO. EC-13A/CONST. 13
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

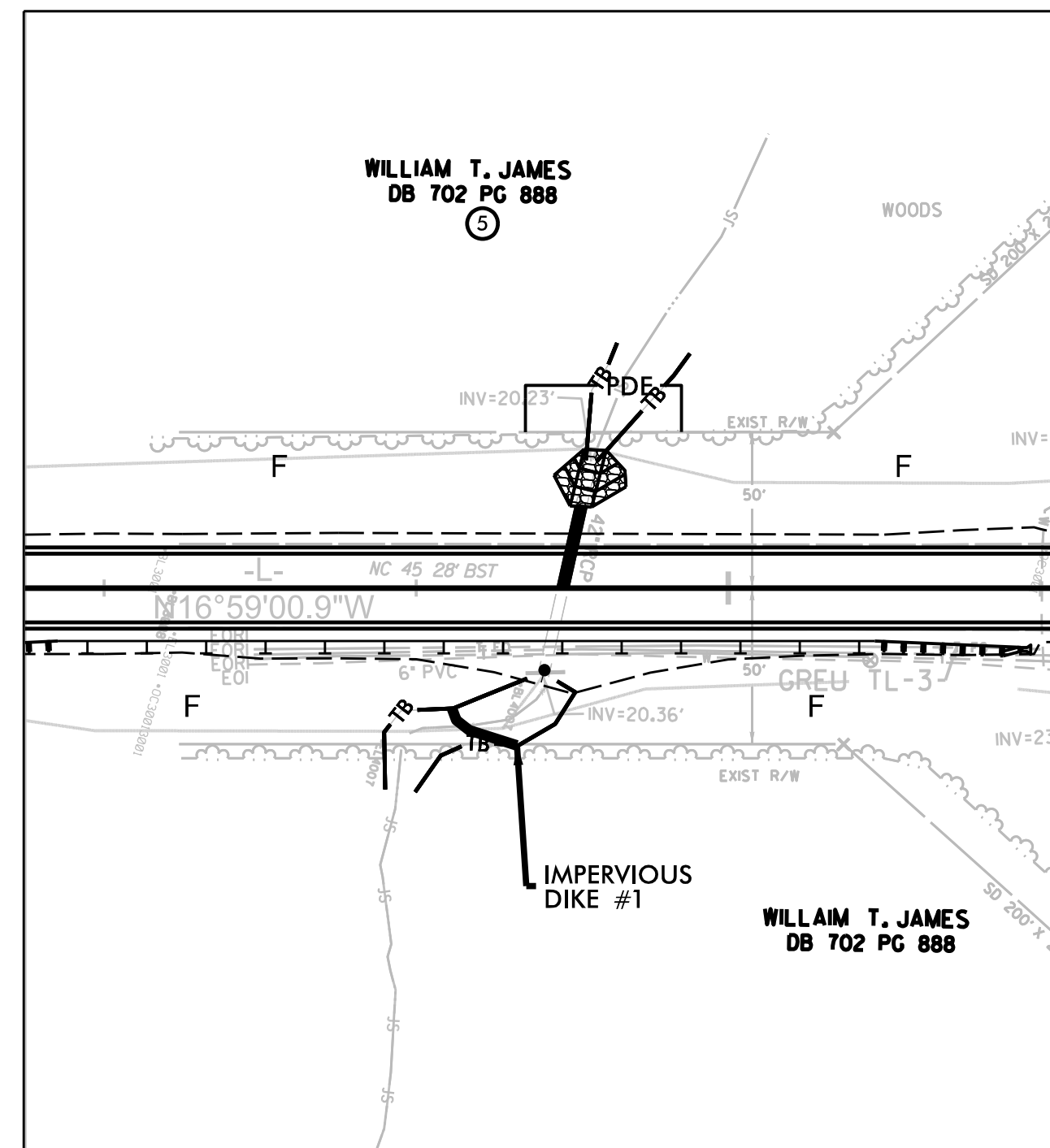
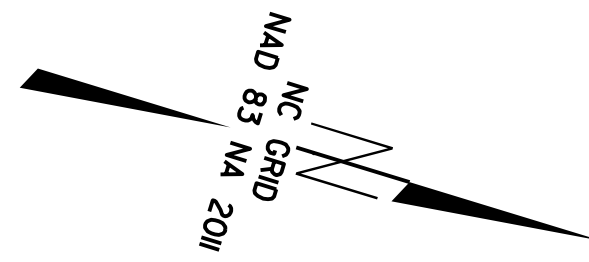
## PHASE I

- 1.) UTILIZE SPECIAL STILLING BASIN(S) DURING CONSTRUCTION AS NEEDED TO DEWATER WORK SITE. (TYP.)
- 2.) CONSTRUCT IMPERVIOUS DIKE #1 AND #2 AS SHOWN. DIVERT WATER INTO FLEXIBLE PIPE UPSTREAM OF IMPERVIOUS DIKE #1 TO BE PUMPED DOWNSTREAM OF IMPERVIOUS DIKE #2.
- 3.) CONSTRUCT THE DOWNSTREAM END OF 66" RCP-IV, BURIED 1 FT AND ASSOCIATED DOWNSTREAM DRAINAGE IMPROVEMENTS.
- 4.) REFERENCE TRAFFIC CONTROL PLANS FOR ADDITIONAL DETAIL REGARDING TRAFFIC MANAGEMENT.



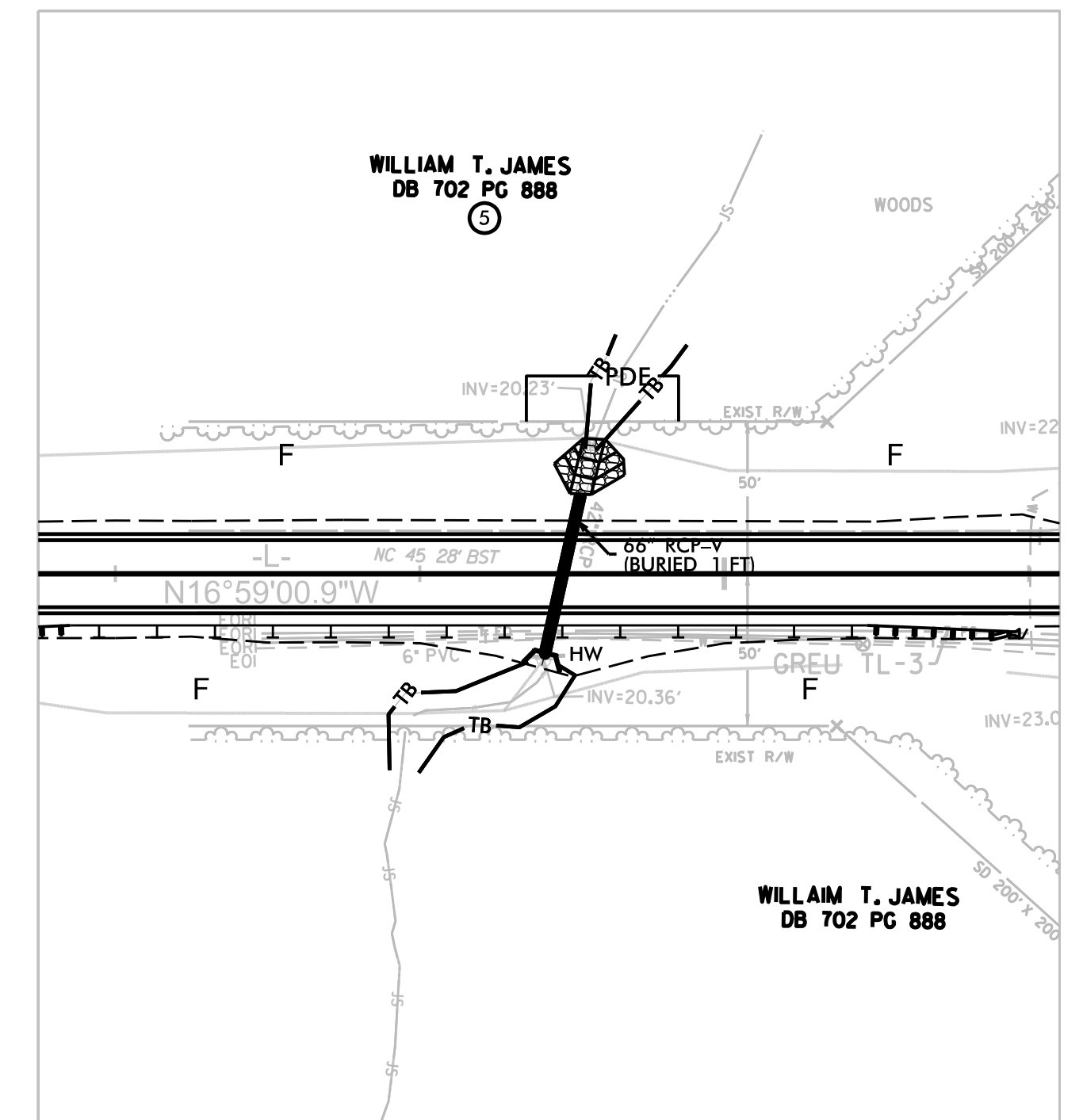
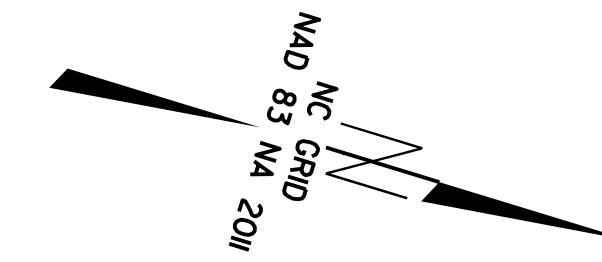
## PHASE II

- 1.) REMOVE IMPERVIOUS DIKE #2. RETAIN IMPERVIOUS DIKE #1 AND DIVERT WATER INTO FLEXIBLE PIPE TO OUTFALL DOWNSTREAM OF THE 66" RCP-IV.
- 2.) CONSTRUCT THE UPSTREAM HALF OF PROPOSED 66" RCP-IV, BURIED 1 FT, AND ASSOCIATED HEADWALL.
- 3.) REFERENCE TRAFFIC CONTROL PLANS FOR ADDITIONAL DETAIL REGARDING TRAFFIC MANAGEMENT.



## PHASE III

- 1.) REMOVE SPECIAL STILLING BASIN.
- 2.) REMOVE IMPERVIOUS DIKE 1.
- 3.) REMOVE FLEXIBLE PIPE & PUMP.
- 3.) COMPLETE ROADWAY AND DRAINAGE IMPROVEMENTS, AND MOVE TRAFFIC OVER AFTER COMPLETION.

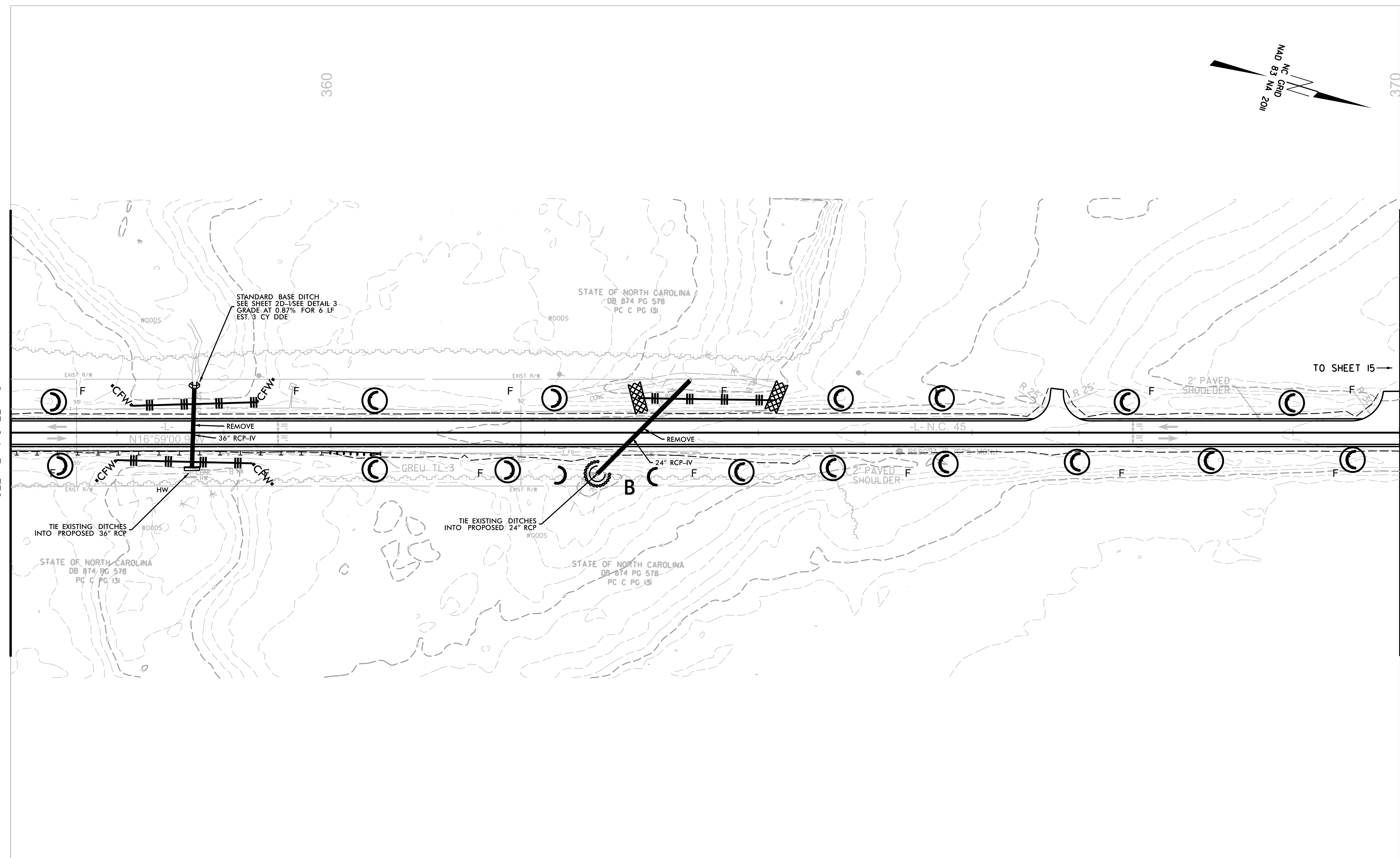


PROJECT REFERENCE NO. <i>R-5809 A</i>	SHEET NO. EC-14/CONST. 14
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.

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

REVISIONS



MATCHLINE -L- STA 357+00.00  
SEE PLAN SHEET 13

-L- STA 370+00.00

SEE SHEET NO. 20 FOR 'L' PROFILE

5/14/99

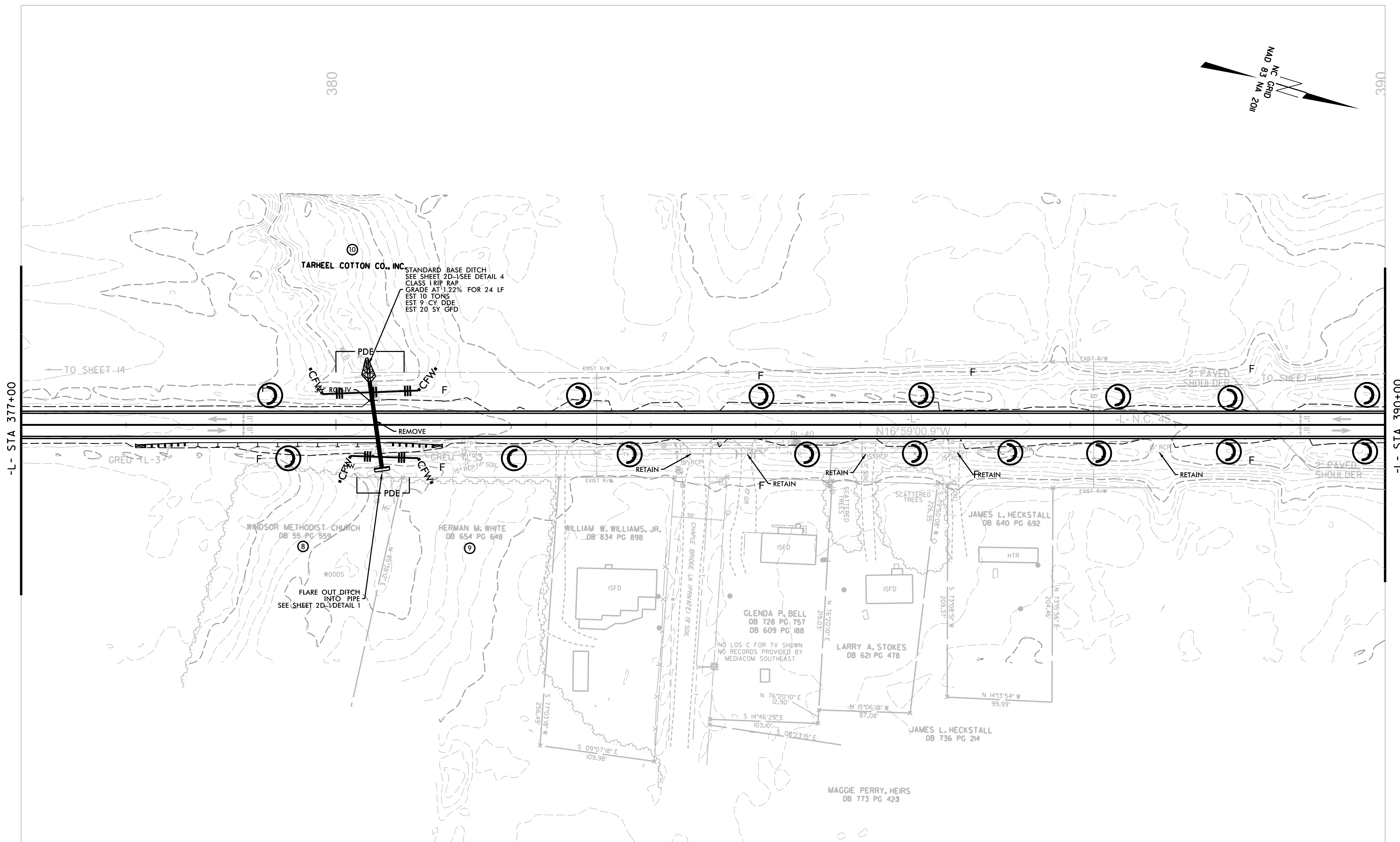
10/10/2023

PROJECT REFERENCE NO. <i>R-5809 A</i>	SHEET NO. EC-15/CONST. 15
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.

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

REVISIONS



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10/10/2023

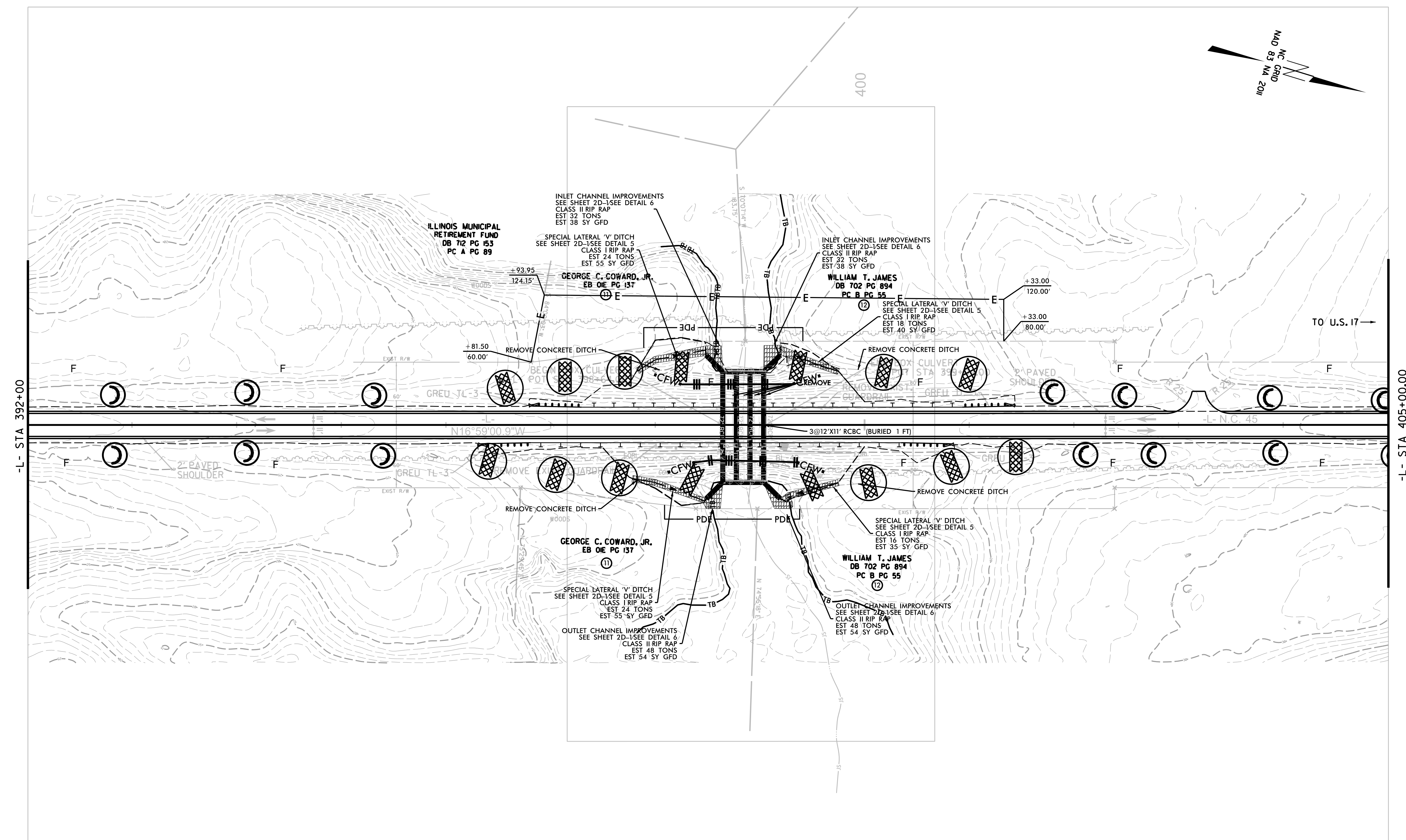
SEE SHEET NO. 20 FOR 'L' PROFILE

PROJECT REFERENCE NO. <i>R-5809 A</i>	SHEET NO. EC-16/CONST. 16
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.

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

REVISIONS



5/14/99

10/10/2023

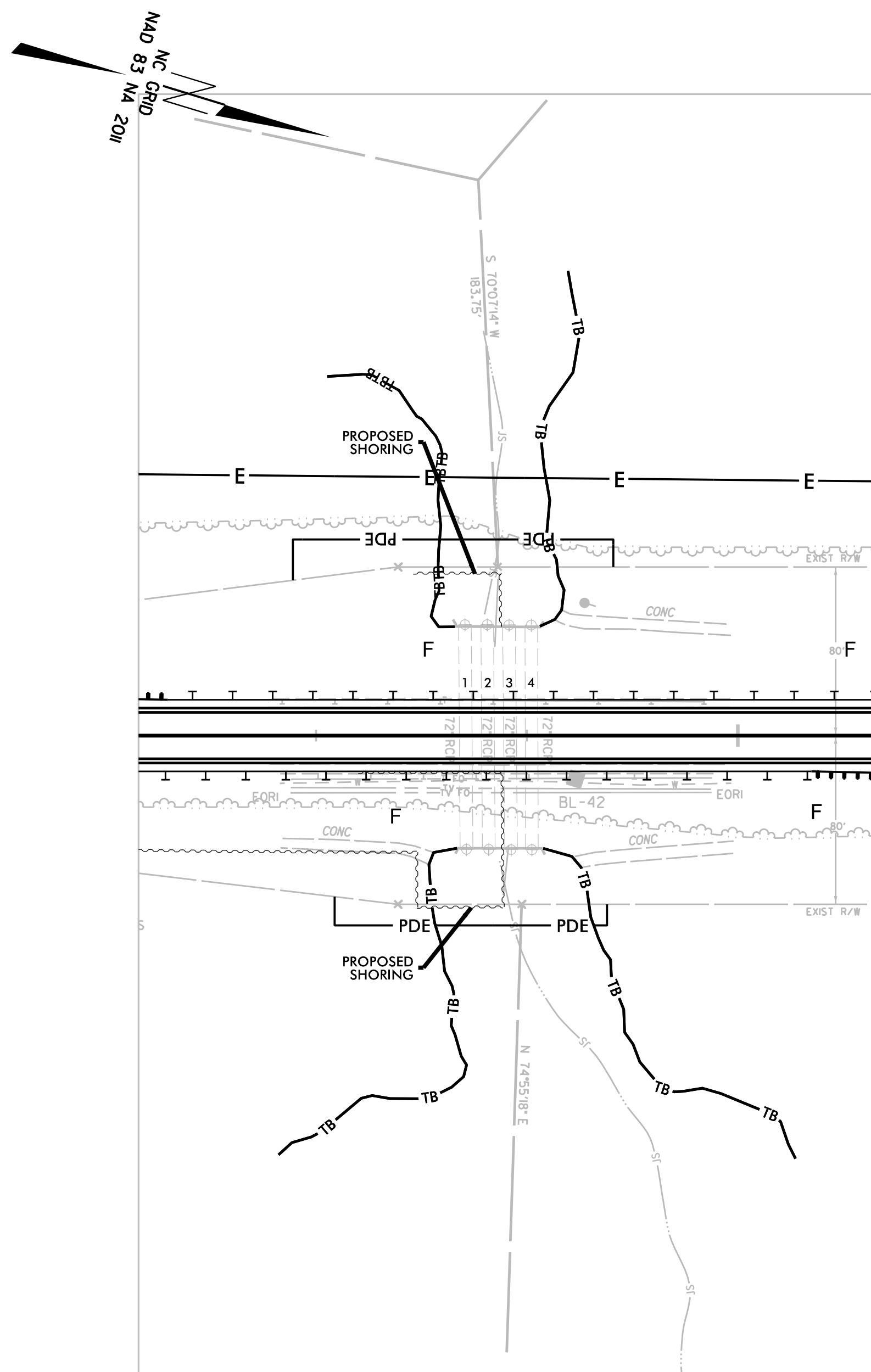
SEE SHEET NO. 20 FOR 'L' PROFILE

PROJECT REFERENCE NO. R-5809A	SHEET NO. EC-16A/CONST. 16
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# CULVERT CONSTRUCTION SEQUENCE STA. 398+84 -L-

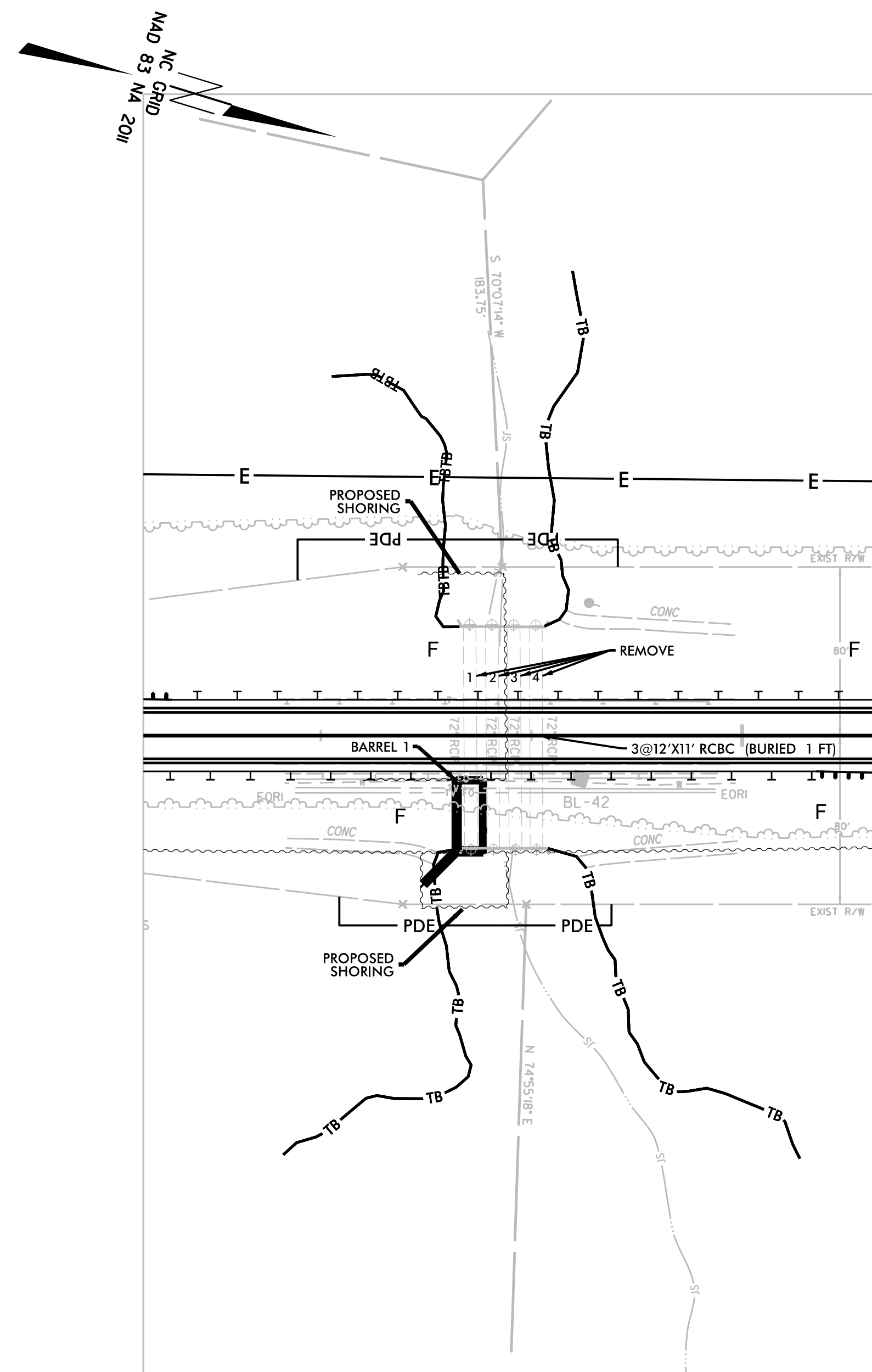
## PHASE I

- 1.) UTILIZE SPECIAL STILLING BASIN(S) DURING CONSTRUCTION AS NEEDED TO DEWATER WORK SITE. (TYP.)
- 2.) CONSTRUCT PROPOSED SHORING AS SHOWN ON PLANS, DIVERTING JS INTO EXISTING BARRELS 3 & 4.
- 3.) CONSTRUCT THE EAST HALF OF PROPOSED BARREL 1 OF 3@12' X 11' RCBC CULVERT. TIE TO EXISTING BARREL 1.
- 4.) REFERENCE TRAFFIC CONTROL PLANS FOR ADDITIONAL DETAIL REGARDING TRAFFIC MANAGEMENT.



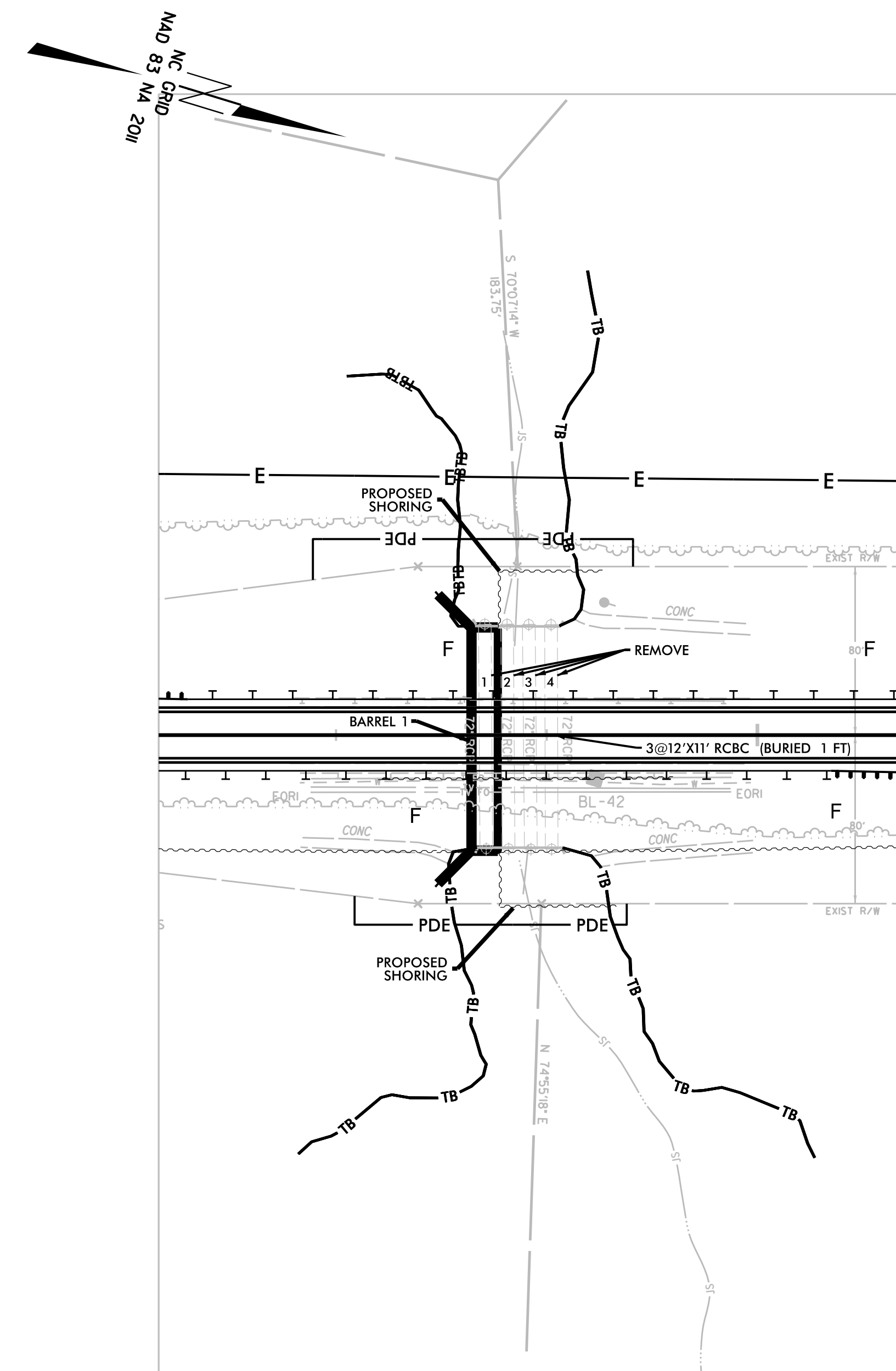
## PHASE II

- 1.) UTILIZE SPECIAL STILLING BASIN(S) DURING CONSTRUCTION AS NEEDED TO DEWATER WORK SITE. (TYP.)
- 2.) RETAIN PROPOSED SHORING AS SHOWN IN PHASE I DIVERTING JS INTO EXISTING BARRELS 3 & 4.
- 3.) CONSTRUCT TEMPORARY PAVEMENT AS SHOWN ON TRAFFIC CONTROL PLANS AND MOVE TRAFFIC ONTO PAVEMENT.
- 4.) CONSTRUCT THE WEST HALF OF PROPOSED BARREL 1 OF 3@12' X 11' RCBC CULVERT.
- 5.) REFERENCE TRAFFIC CONTROL PLANS FOR ADDITIONAL DETAIL REGARDING TRAFFIC MANAGEMENT.



## PHASE III

- 1.) UTILIZE SPECIAL STILLING BASIN(S) DURING CONSTRUCTION AS NEEDED TO DEWATER WORK SITE. (TYP.)
- 2.) CONSTRUCT PROPOSED SHORING AS SHOWN ON PLANS, DIVERTING JS INTO PROPOSED BARREL 1.
- 3.) CONSTRUCT THE WEST HALF OF PROPOSED BARREL 2 & 3 OF 3@12' X 11' RCBC CULVERT.
- 4.) REFERENCE TRAFFIC CONTROL PLANS FOR ADDITIONAL DETAIL REGARDING TRAFFIC MANAGEMENT.

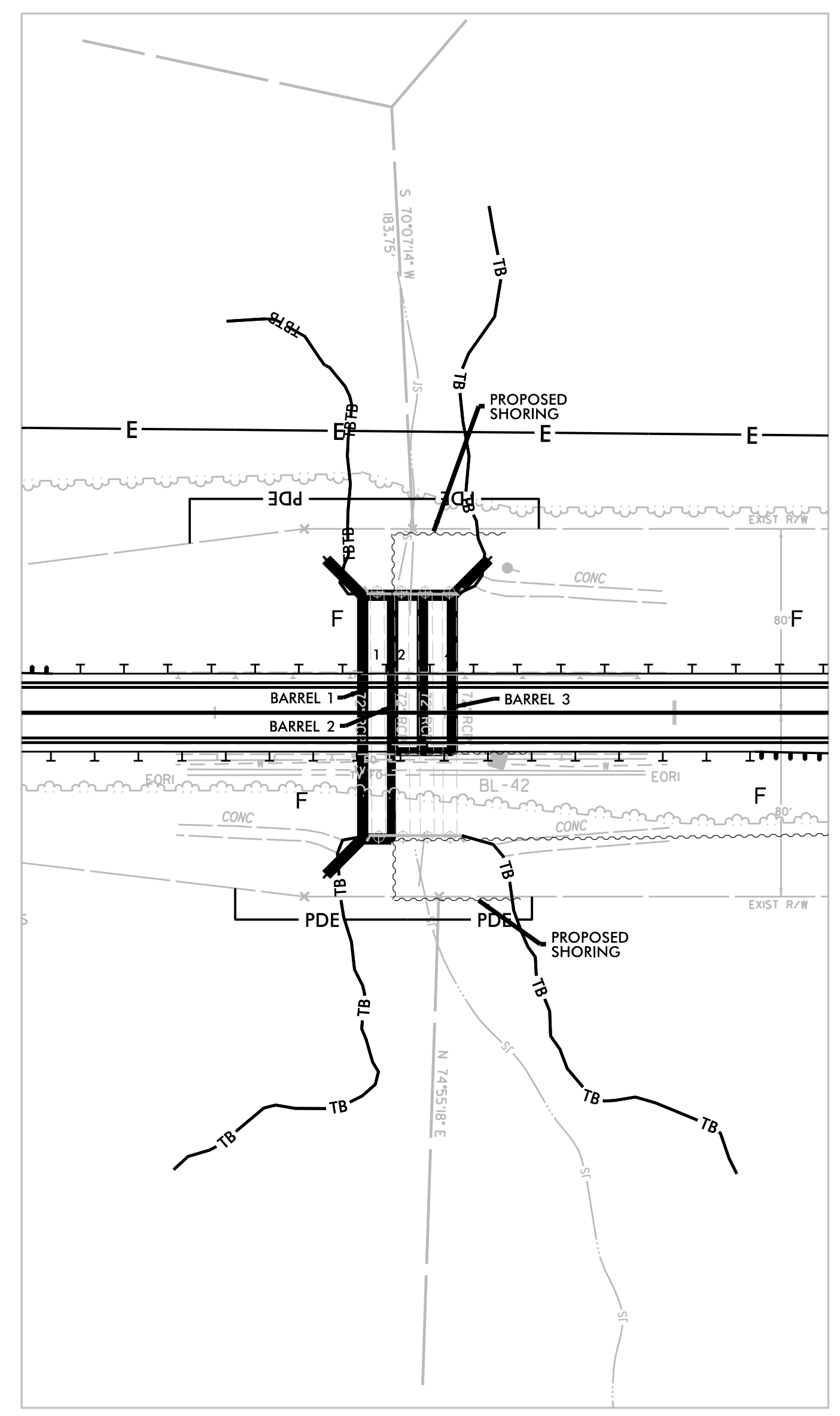
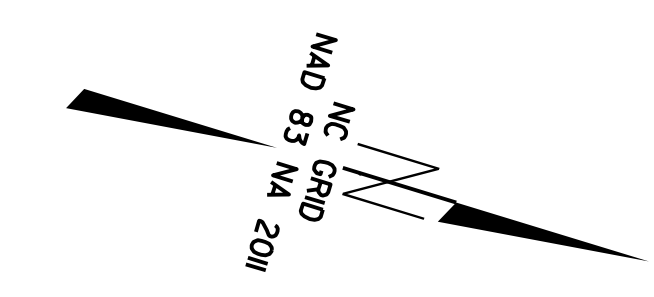


PROJECT REFERENCE NO.	SHEET NO.
R-5809A	EC-16B/CONST. 16
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# CULVERT CONSTRUCTION SEQUENCE STA. 398+84 -L-

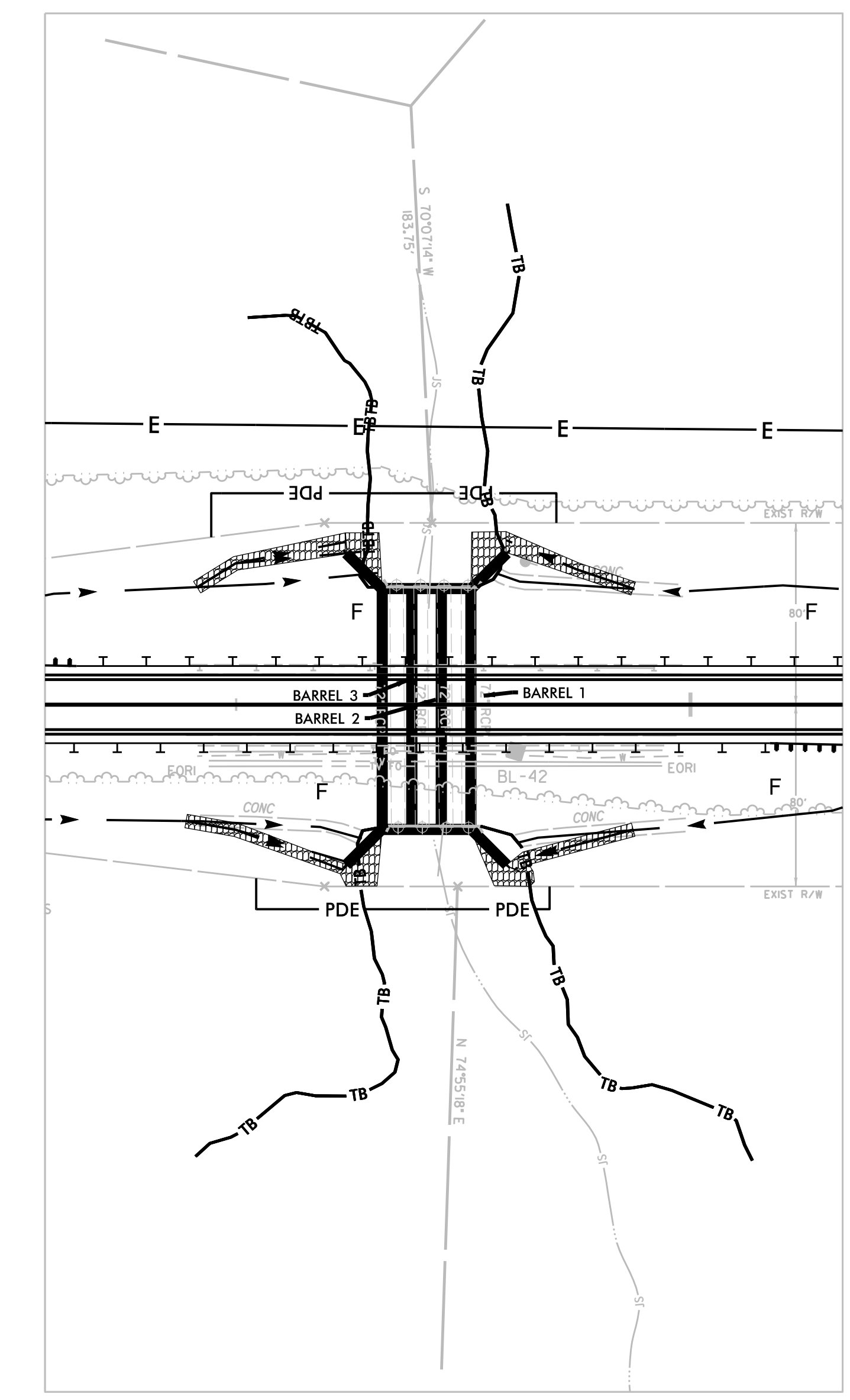
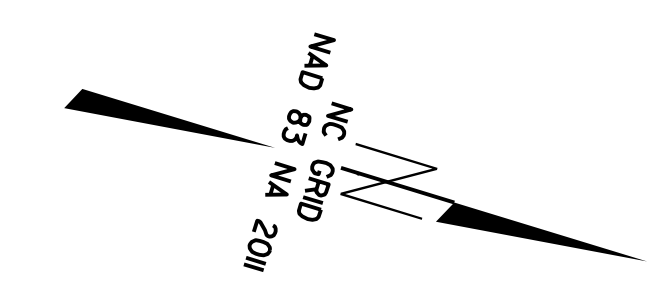
## PHASE IV

- 1.) UTILIZE SPECIAL STILLING BASIN(S) DURING CONSTRUCTION AS NEEDED TO DEWATER WORK SITE. (TYP.)
- 2.) RETAIN PROPOSED SHORING AS SHOWN IN PHASE 3 DIVERTING JS INTO PROPOSED BARREL 1.
- 3.) CONSTRUCT FINAL PAVEMENT AS SHOWN ON TRAFFIC CONTROL PLANS AND MOVE TRAFFIC ONTO PAVEMENT.
- 4.) CONSTRUCT THE EAST HALF OF PROPOSED BARRELS 2 & 3 OF 3@12' X 11' RCBC CULVERT.
- 5.) REFERENCE TRAFFIC CONTROL PLANS FOR ADDITIONAL DETAIL REGARDING TRAFFIC MANAGEMENT.



## PHASE V

- 1.) REMOVE SPECIAL STILLING BASIN.
- 2.) REMOVE PROPOSED SHORING.
- 3.) COMPLETE ROADWAY AND DRAINAGE IMPROVEMENTS



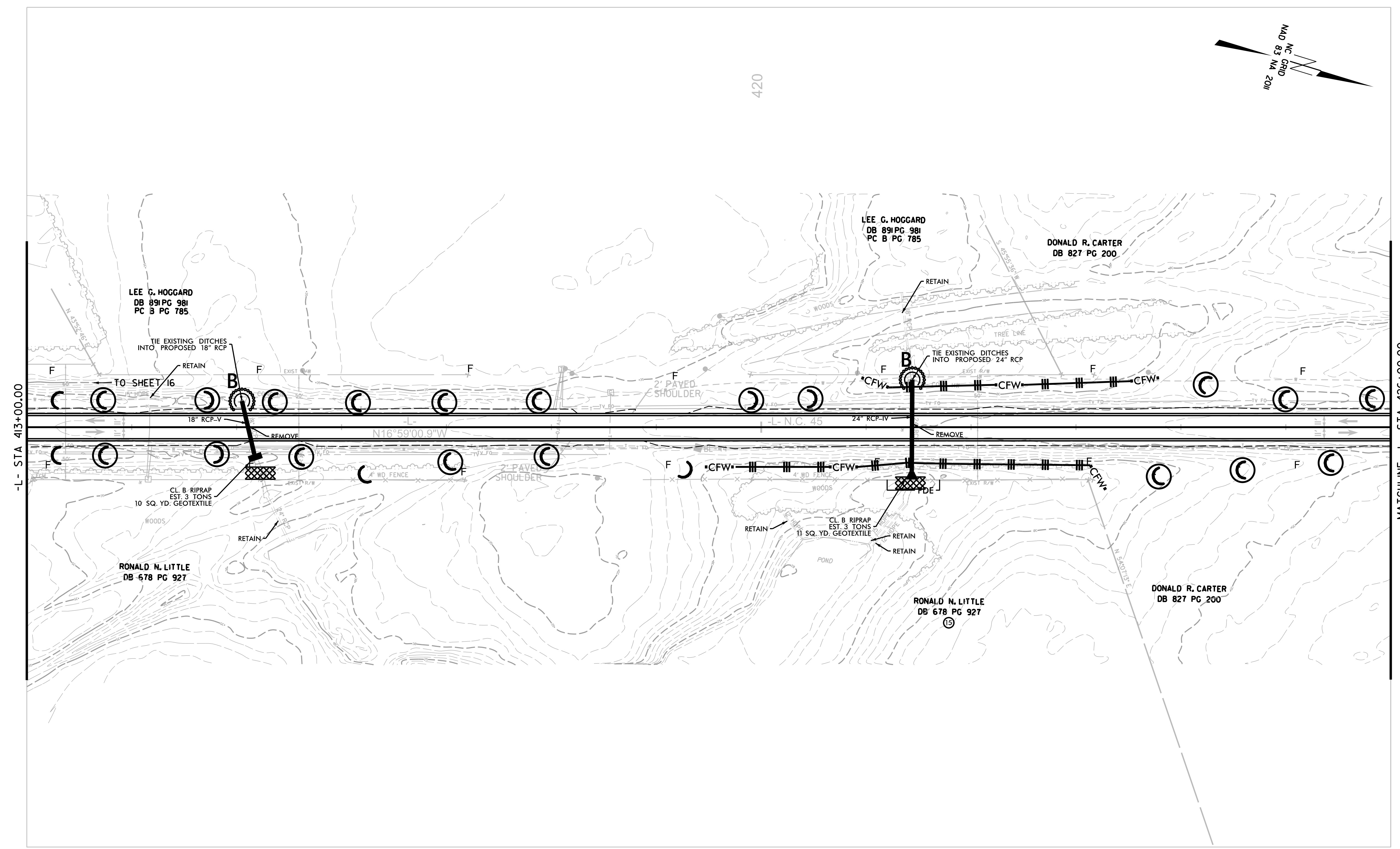
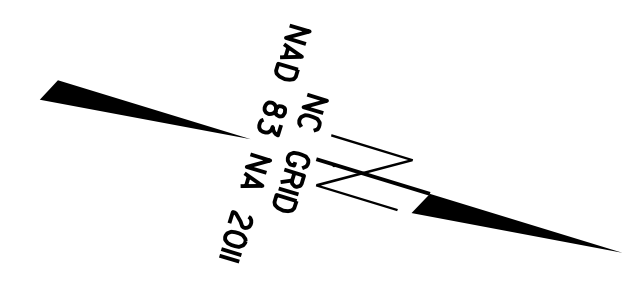
CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 17

**Kimley » Horn**  
4525 MAIN STREET, SUITE 1000  
VIRGINIA BEACH, VA 23462

PROJECT REFERENCE NO. <i>R-5809 A</i>	SHEET NO. EC-17/CONST. 17
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.

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



REVISIONS

5/14/99

10/10/2023

MATCHLINE -L- STA 426+00.00  
SEE PLAN SHEET 18

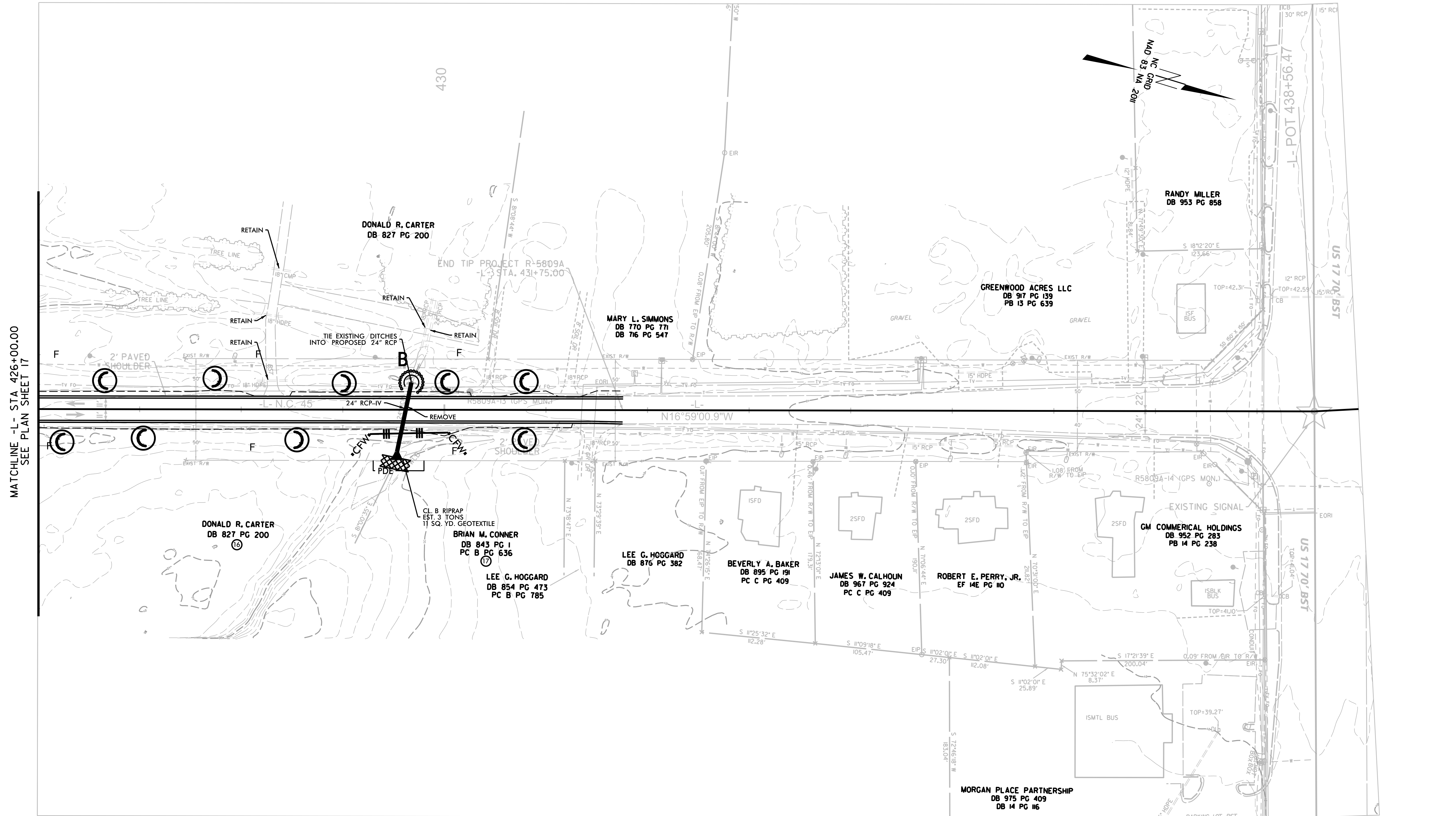
SEE SHEET NO. 21 FOR 'L' PROFILE



PROJECT REFERENCE NO. <b>R-5809 A</b>	SHEET NO. EC-18/CONST. 18
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.

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



MATCHLINE -L- STA 426+00.00  
SEE PLAN SHEET 17

SEE SHEET NO. 21 FOR 'L' PROFILE

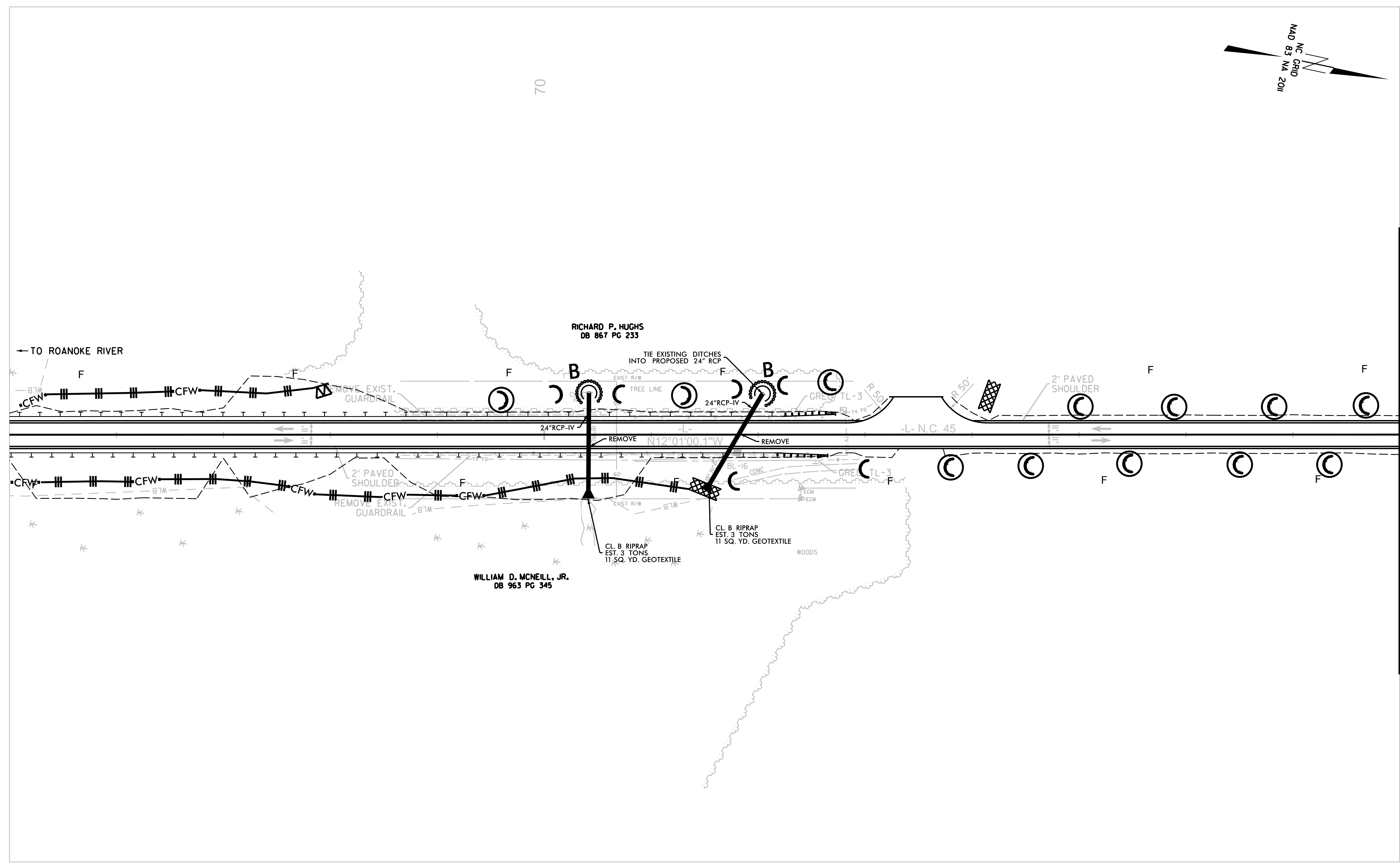
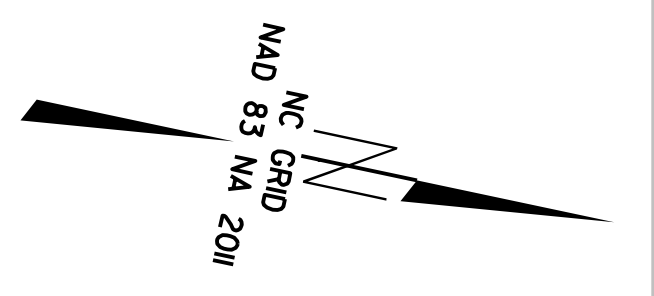
REVISIONS

5/14/99

10/10/2023

PROJECT REFERENCE NO. <i>R-5809 A</i>	SHEET NO. EC-19/CONST. 4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.



70

RICHARD P. HUGHS  
DB 867 PG 233

WILLIAM D. MCNEILL, JR.  
DB 963 PG 345

← TO ROANOKE RIVER

MATCHLINE - L - STA 78+00.00  
SEE PLAN SHEET 5

REVISIONS

5/14/99

10/10/2023

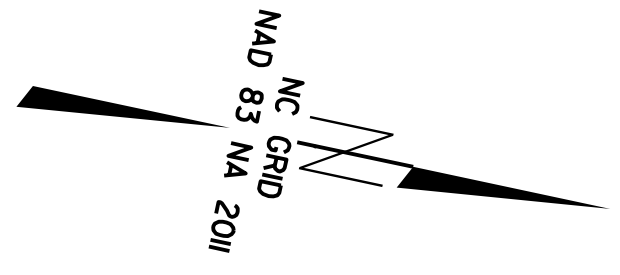
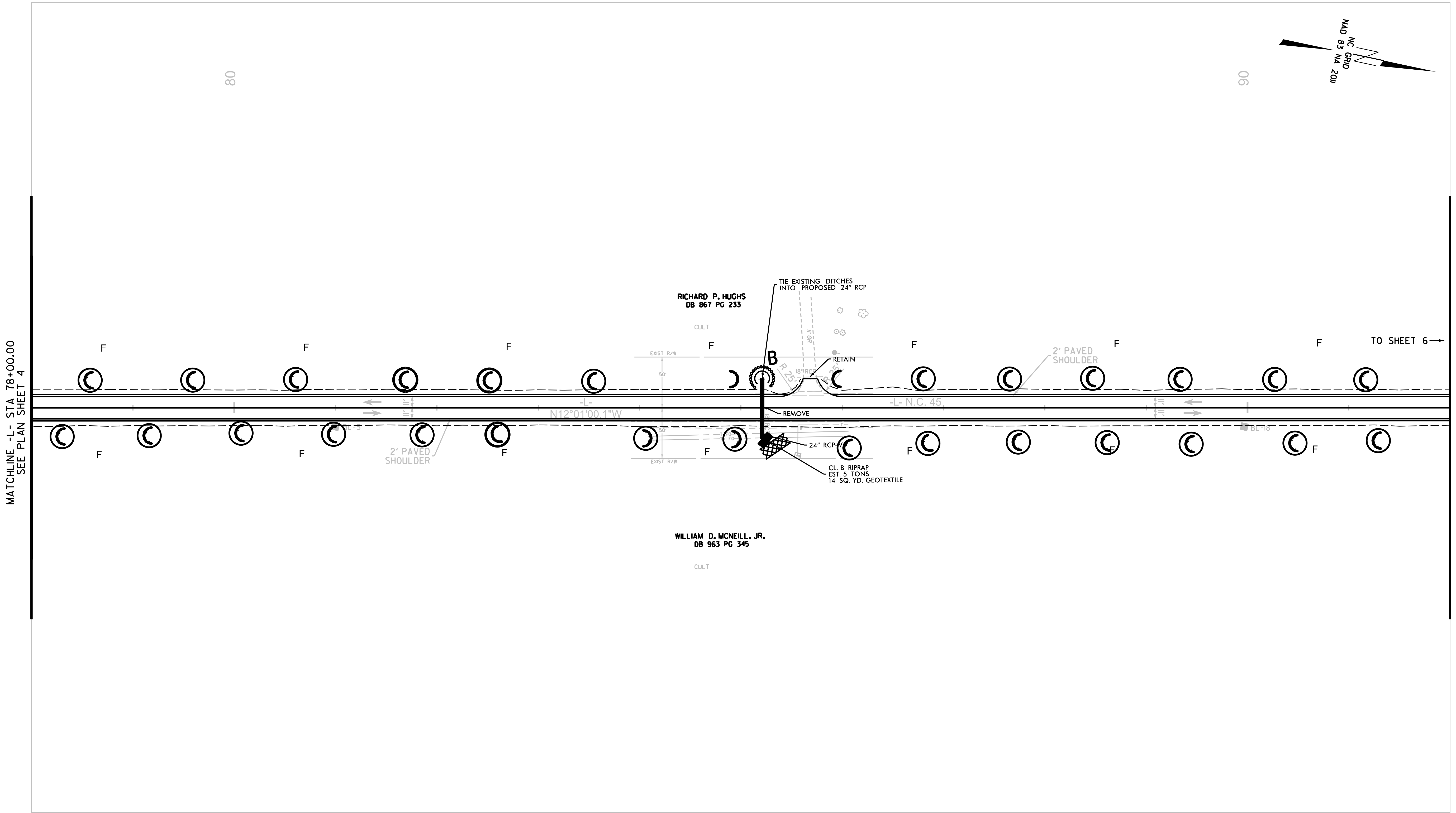
PROJECT REFERENCE NO. <i>R-5809 A</i>	SHEET NO. EC-20CONST. 5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.

REVISIONS

5/14/99

10/10/2023



MATCHLINE -L- STA 78+00.00  
SEE PLAN SHEET 4

-L- STA 92+00.00

TO SHEET 6 →

RICHARD P. HUGHES  
DB 867 PG 233

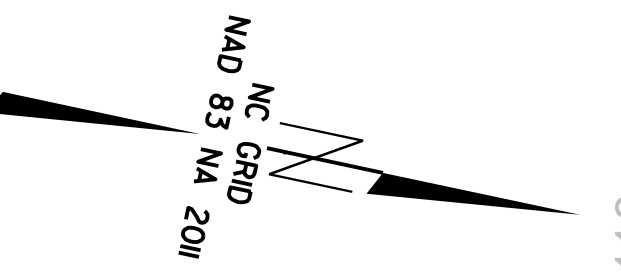
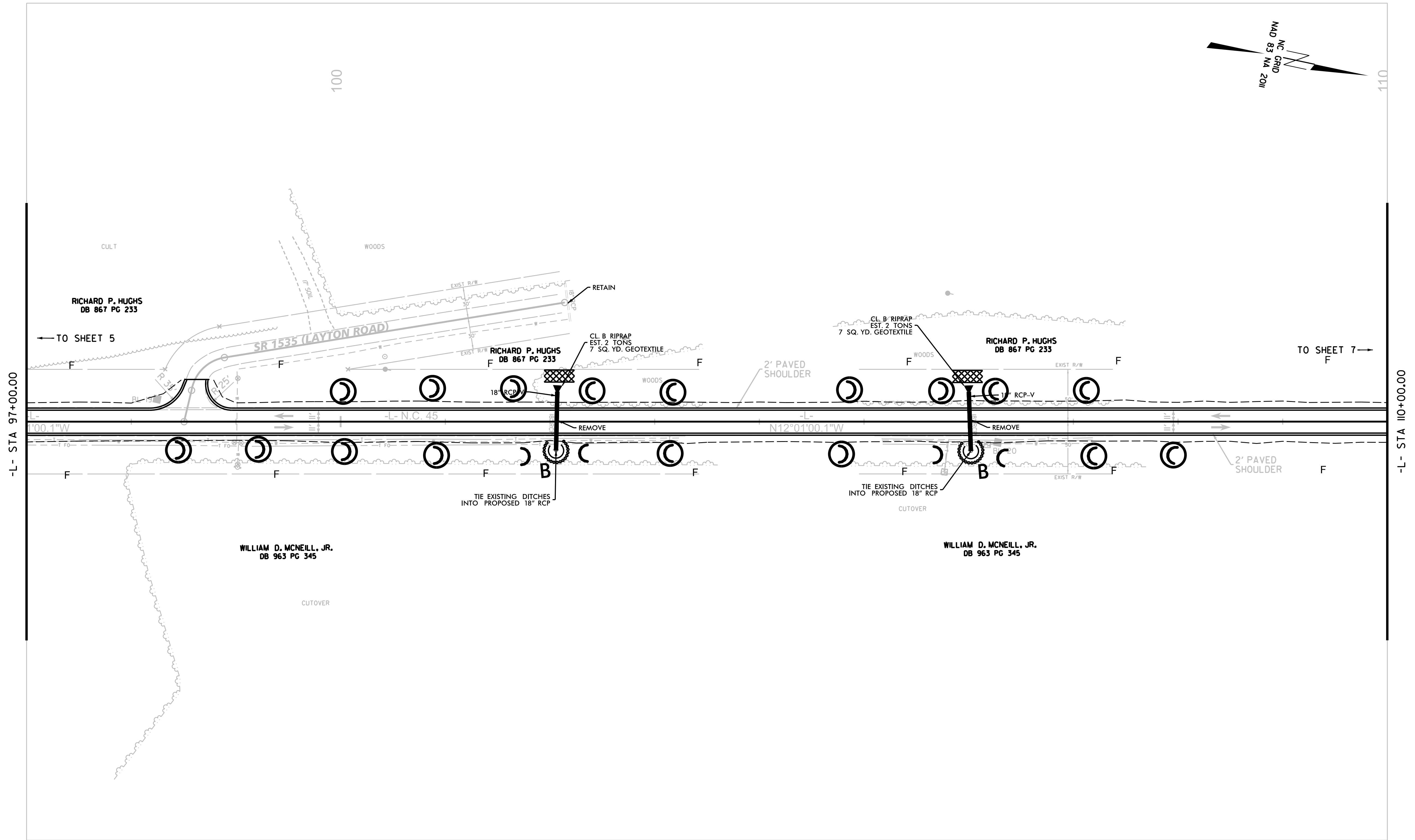
WILLIAM D. MCNEILL, JR.  
DB 963 PG 345

SEE SHEET NO. 19 FOR 'L' PROFILE

PROJECT REFERENCE NO. <i>R-5809 A</i>	SHEET NO. EC-21CONST. 6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.

REVISIONS



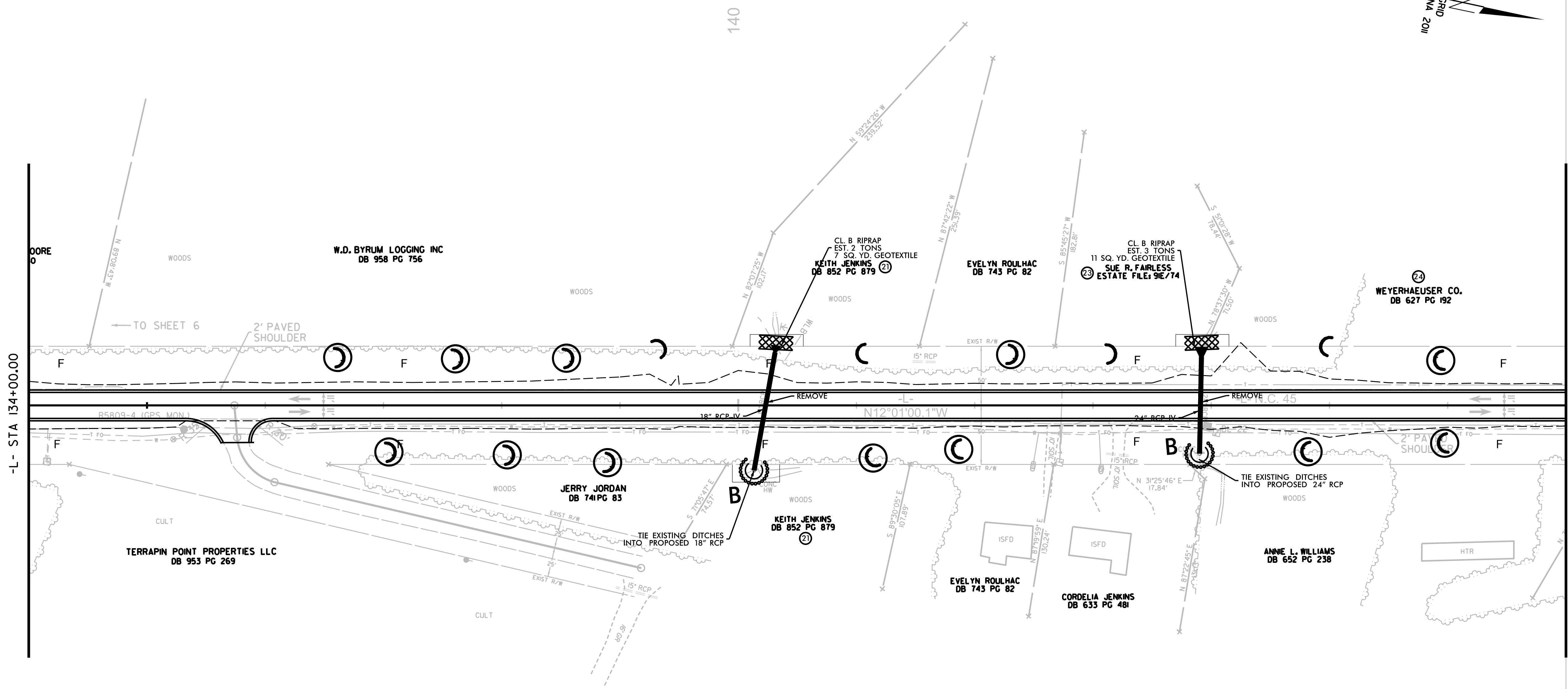
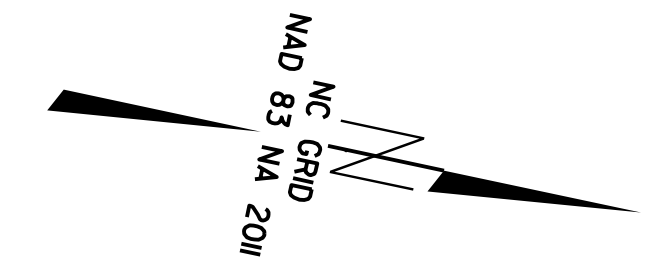
5/14/99

10/10/2023

SEE SHEET NO. 19 FOR 'L' PROFILE

PROJECT REFERENCE NO. <i>R-5809 A</i>	SHEET NO. EC-21A/CONST. 6A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.



REVISIONS

5/14/99

10/10/2023

-L- STA 134+00.00

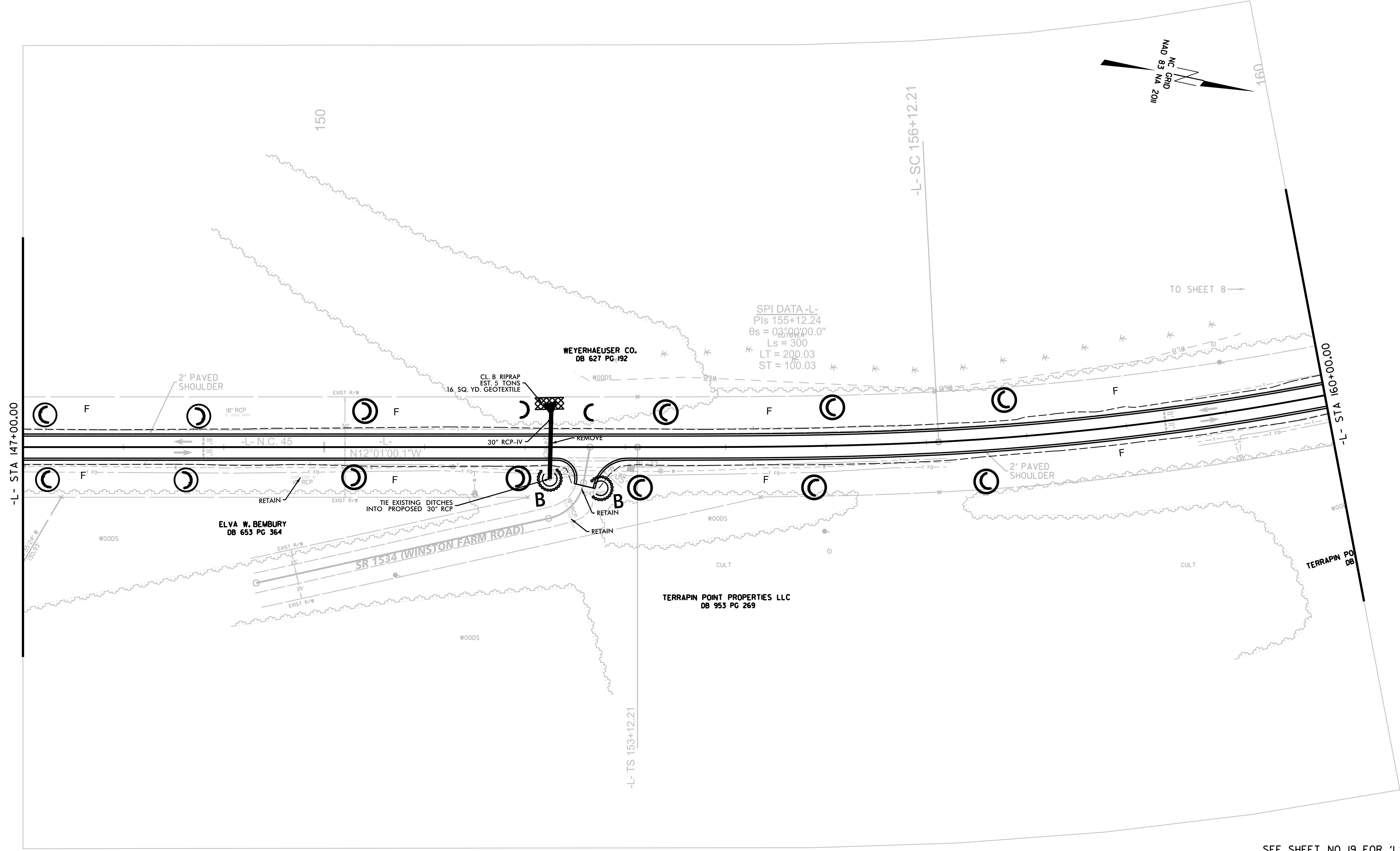
MATCHLINE -L- STA 147+00.00  
SEE PLAN SHEET 7

SEE SHEET NO. 19 FOR 'L' PROFILE

PROJECT REFERENCE NO. <i>R-5809 A</i>	SHEET NO. EC-22CONST. 7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.

REVISIONS



5/14/99

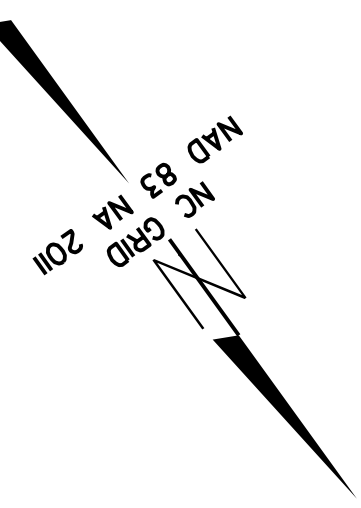
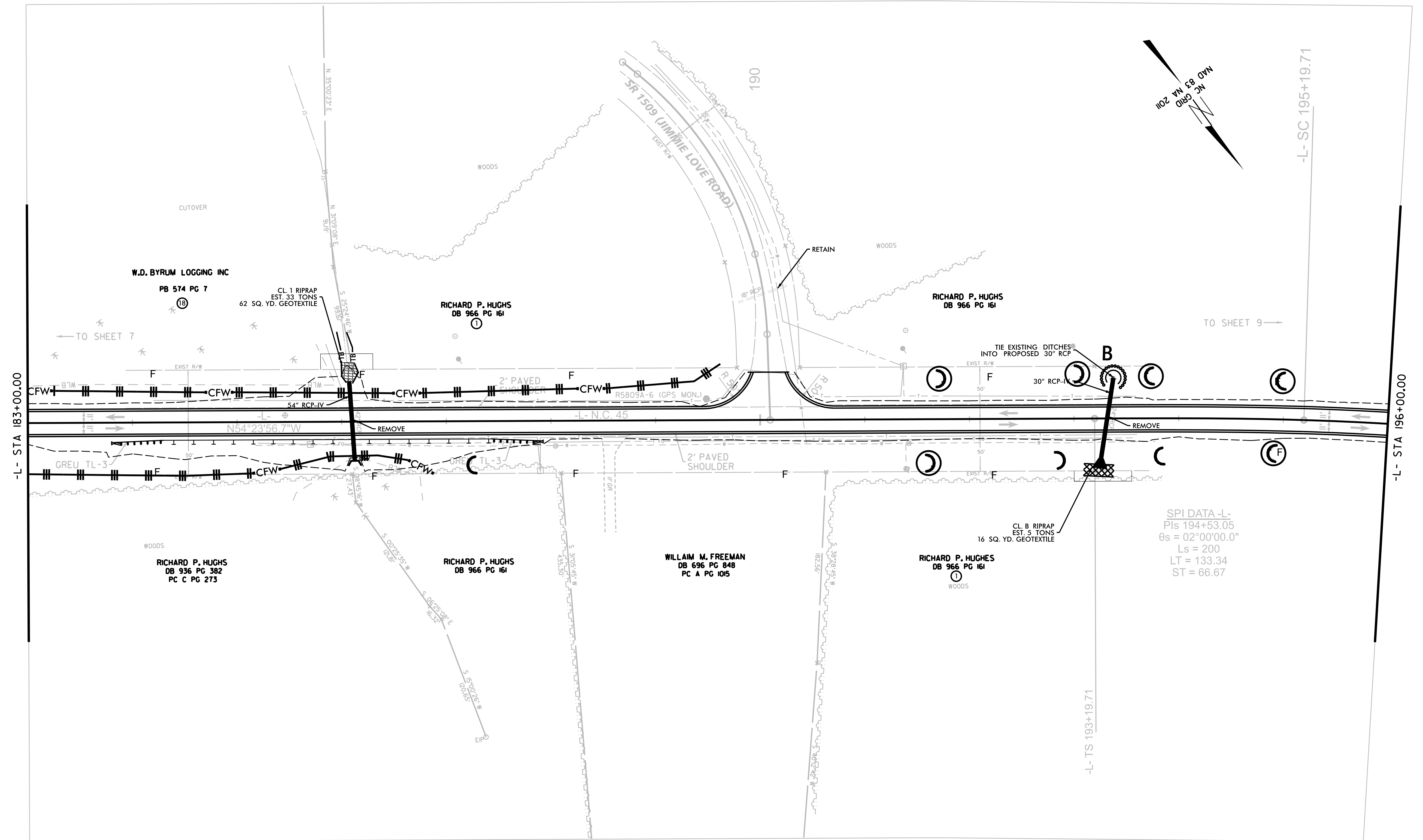
10/10/2023

SEE SHEET NO. 19 FOR 'L' PROFILE

PROJECT REFERENCE NO. <i>R-5809 A</i>	SHEET NO. EC-23/CONST. 8
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.

REVISIONS



5/14/99

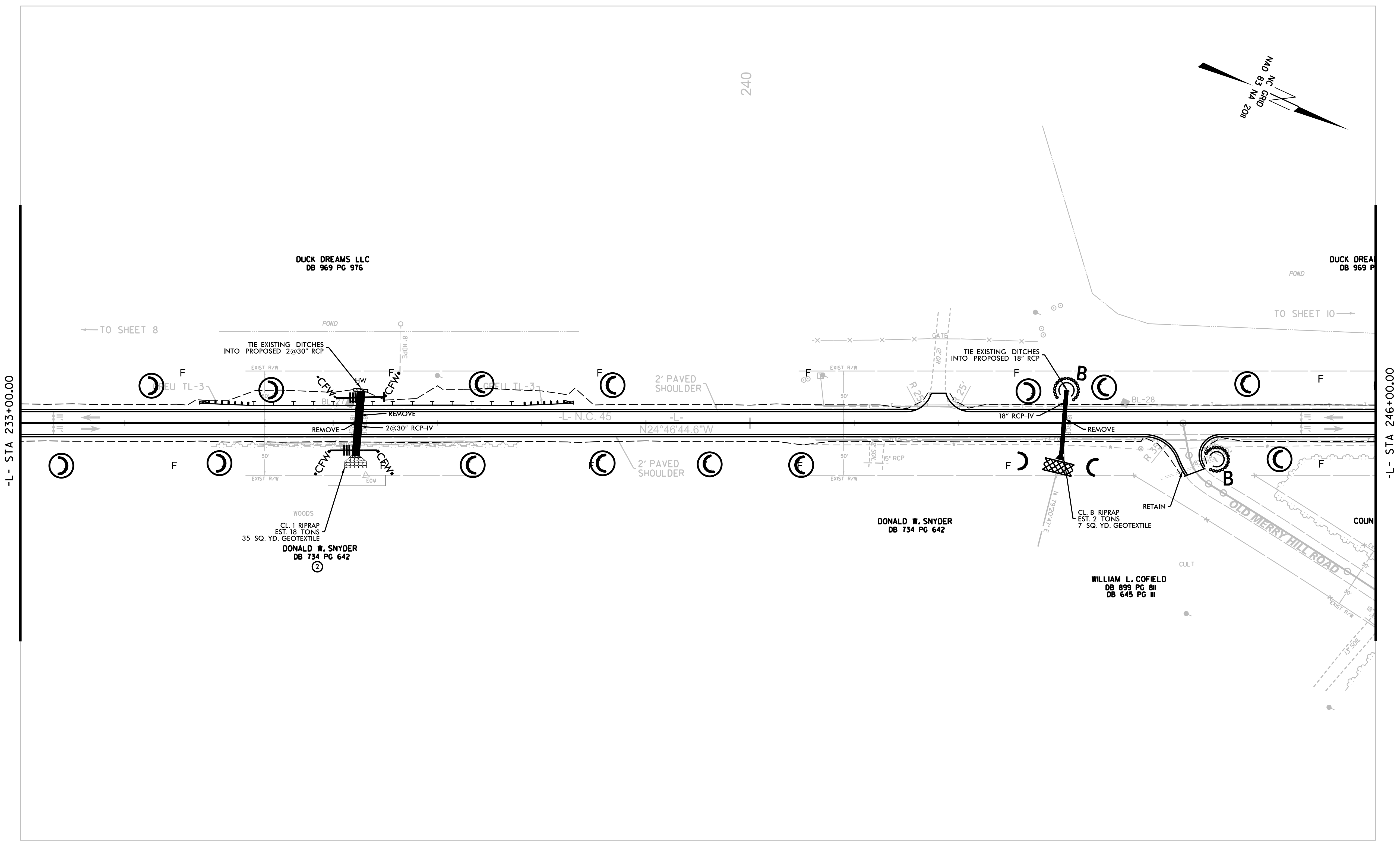
10/10/2023

SEE SHEET NO. 19 FOR 'L' PROFILE

PROJECT REFERENCE NO. <i>R-5809 A</i>	SHEET NO. EC-24/CONST. 9
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.

REVISIONS



SEE SHEET NO. 20 FOR 'L' PROFILE

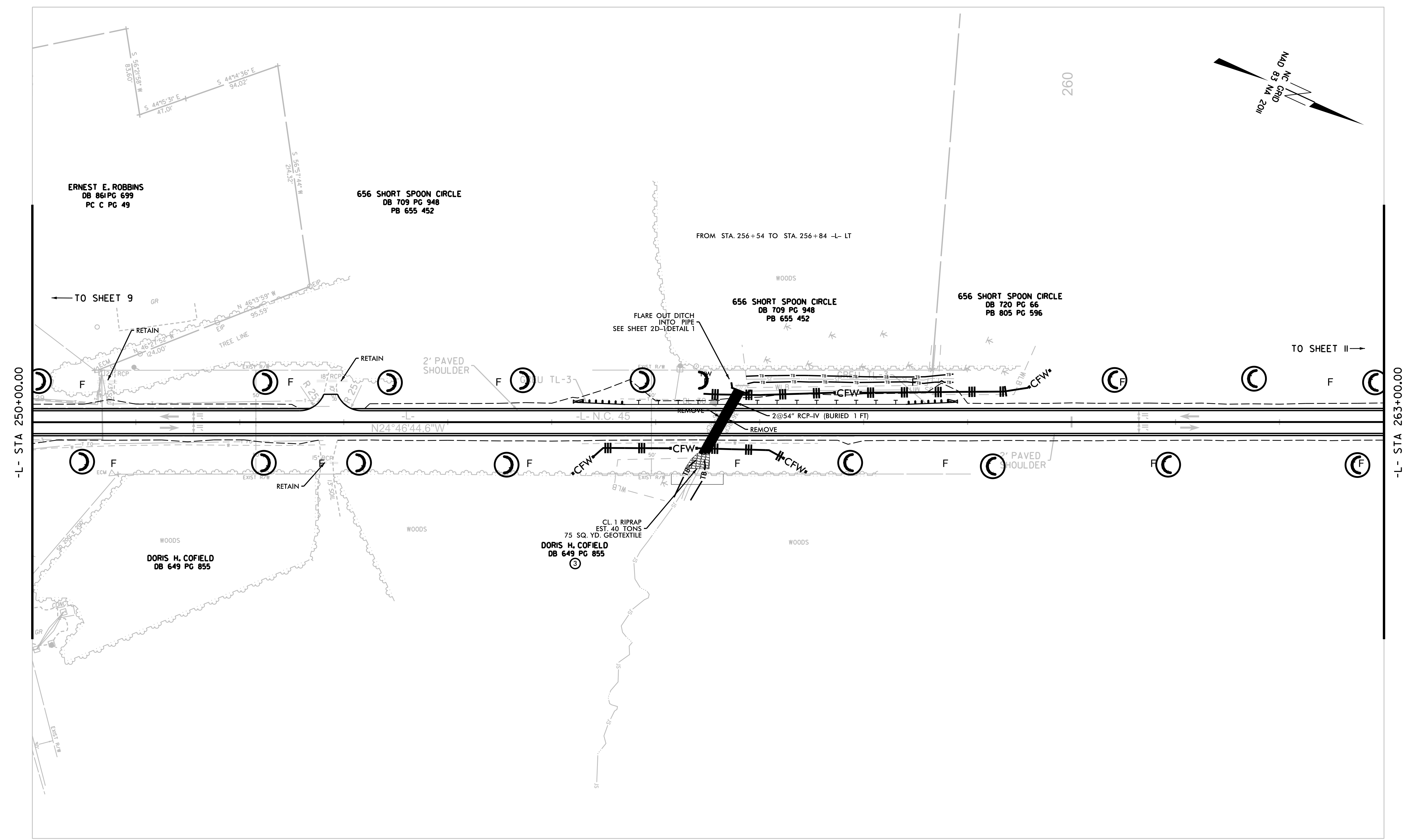
5/14/99

10/10/2023



PROJECT REFERENCE NO. <i>R-5809 A</i>	SHEET NO. EC-25/CONST. 10
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.



REVISIONS

5/14/99

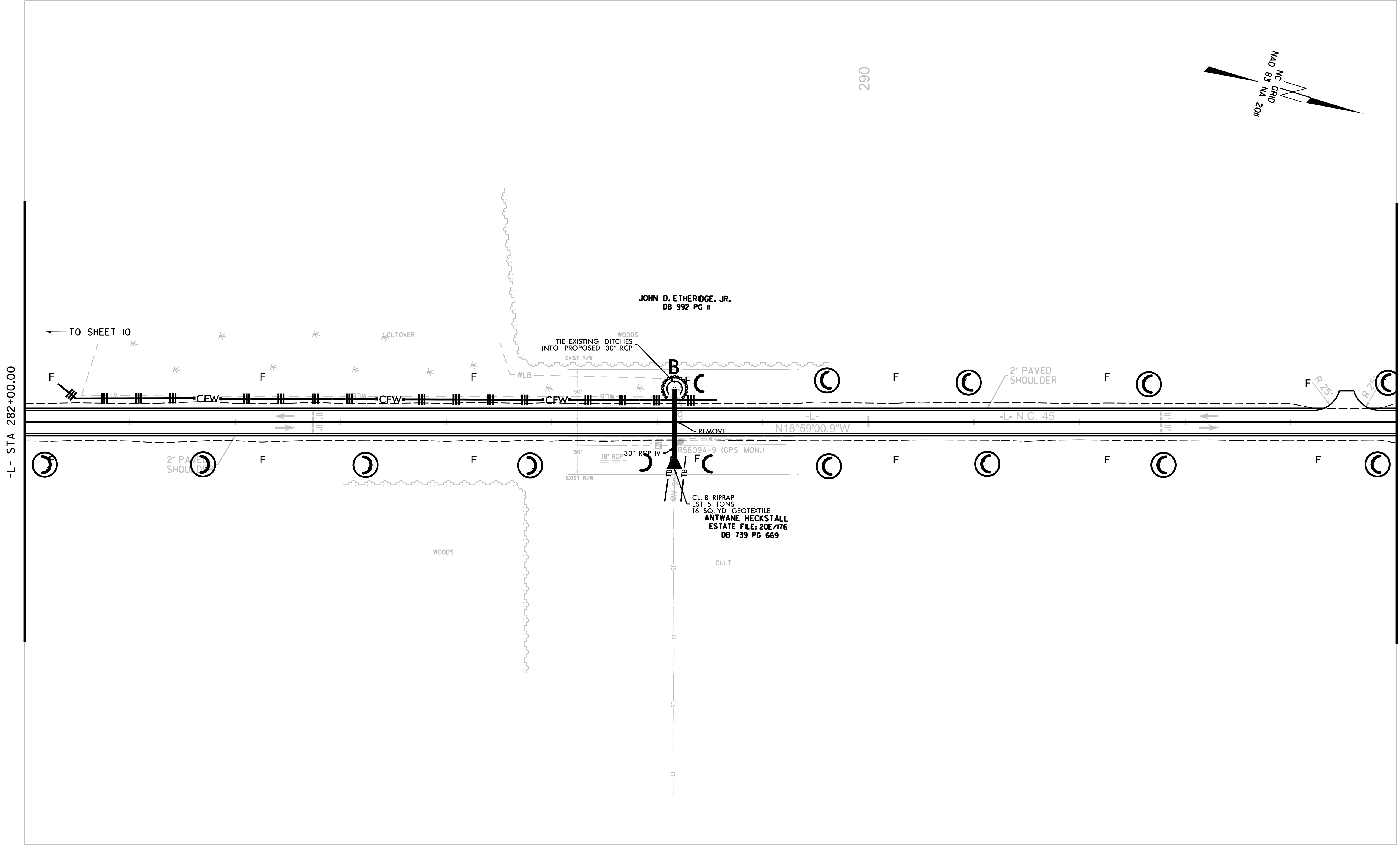
10/10/2023

SEE SHEET NO. 20 FOR 'L' PROFILE

PROJECT REFERENCE NO. <i>R-5809 A</i>	SHEET NO. EC-26/CONST. 11
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

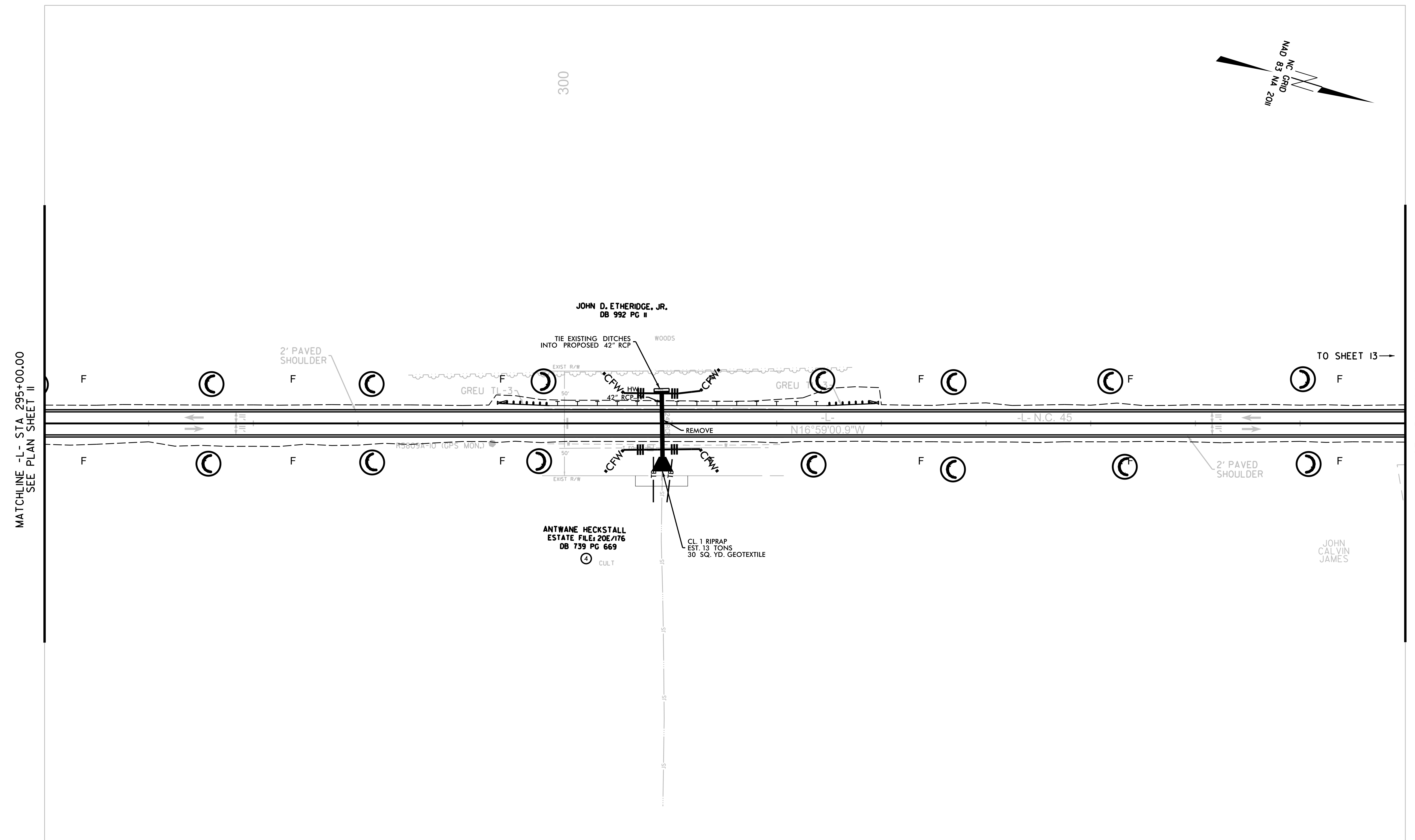
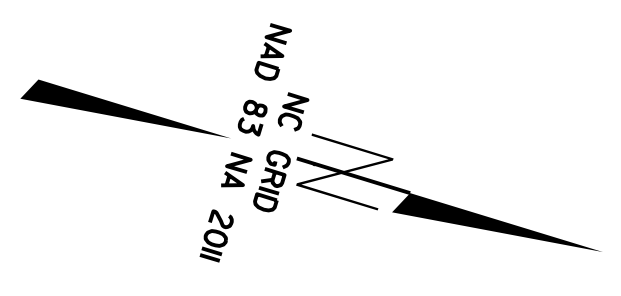
Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.

REVISIONS



PROJECT REFERENCE NO. <i>R-5809 A</i>	SHEET NO. EC-27/CONST. 12
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.



MATCHLINE -L- STA 295+00.00  
SEE PLAN SHEET II

-L- STA 308+00.00  
TO SHEET 13

JOHN D. ETHERIDGE, JR.  
DB 992 PG II

ANTWANE HECKSTALL  
ESTATE FILE: 20E/176  
DB 739 PG 669

JOHN CALVIN JAMES

REVISIONS

5/14/99

10/10/2023

SEE SHEET NO. 20 FOR 'L' PROFILE

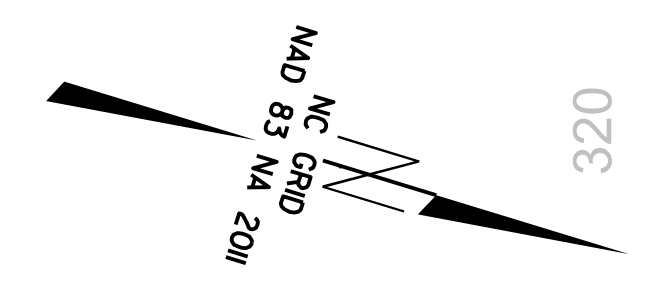
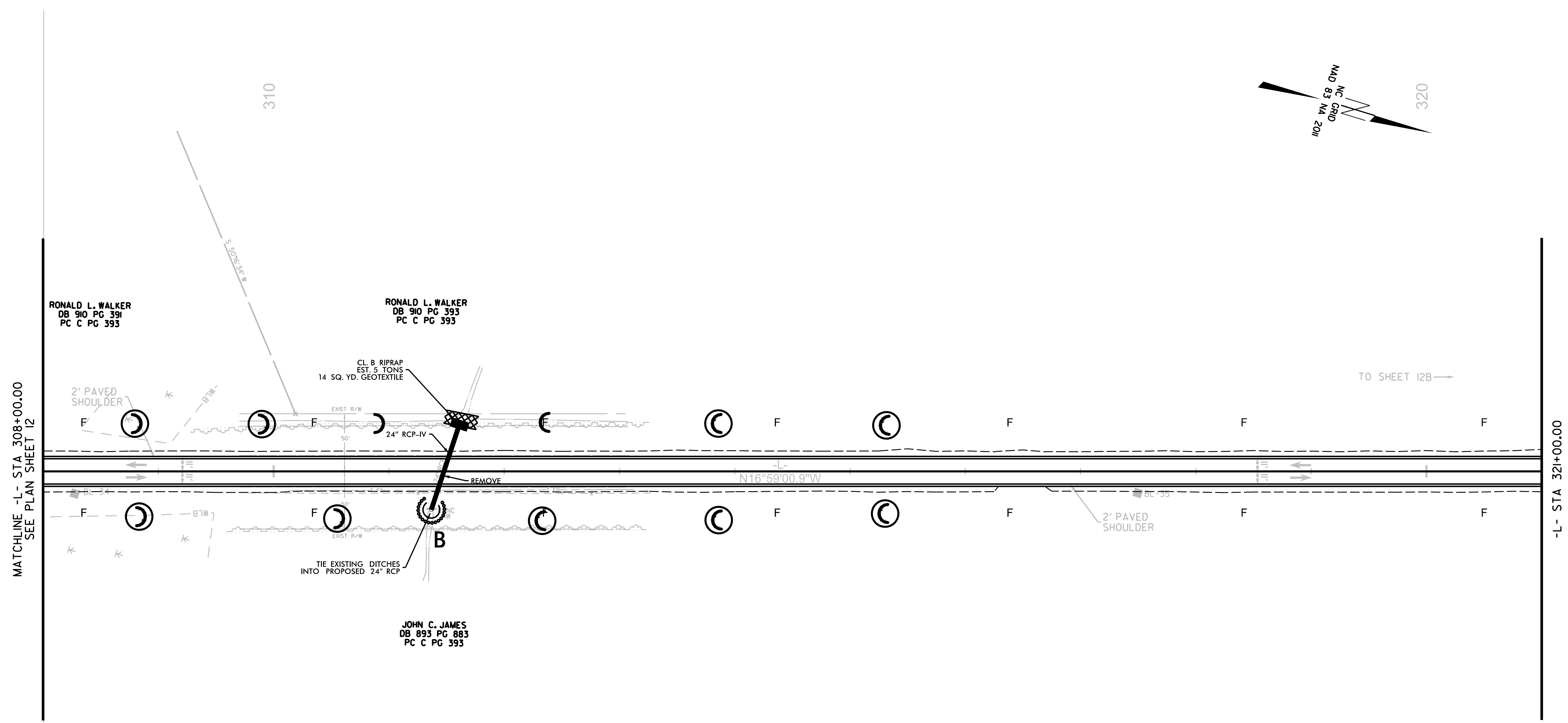
PROJECT REFERENCE NO. <i>R-5809 A</i>	SHEET NO. EC-27A/CONST. 12A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.

REVISIONS

5/14/99

10/10/2023



MATCHLINE -L- STA 308+00.00  
SEE PLAN SHEET 12

-L- STA 321+00.00

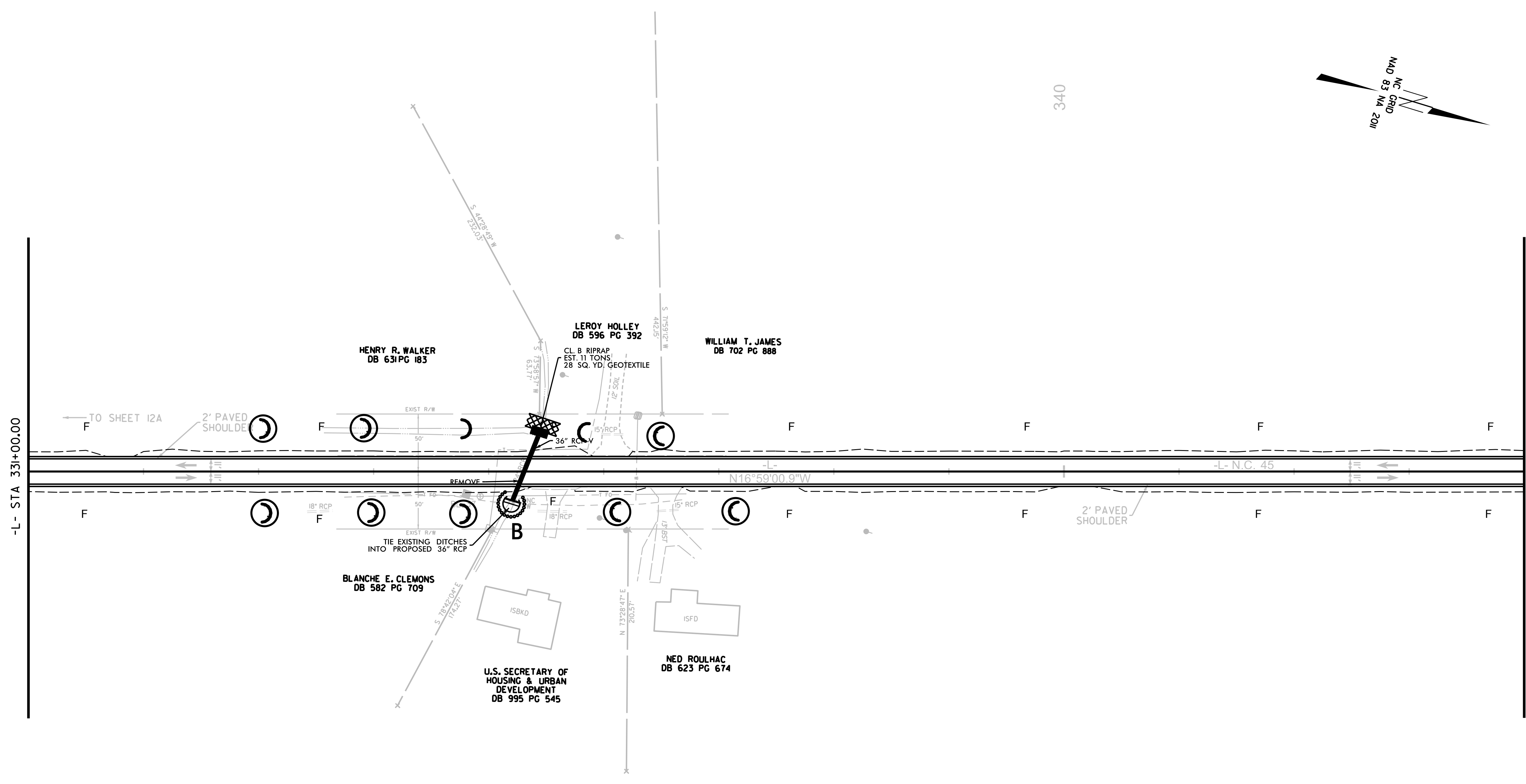
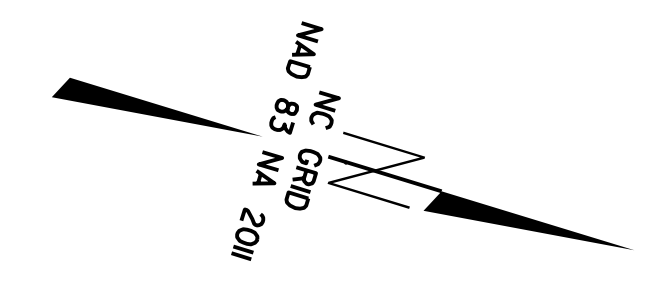
TO SHEET 12B →

SEE SHEET NO. 20 FOR 'L' PROFILE

PROJECT REFERENCE NO. <i>R-5809 A</i>	SHEET NO. EC-27B/CONST. 12B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.

REVISIONS

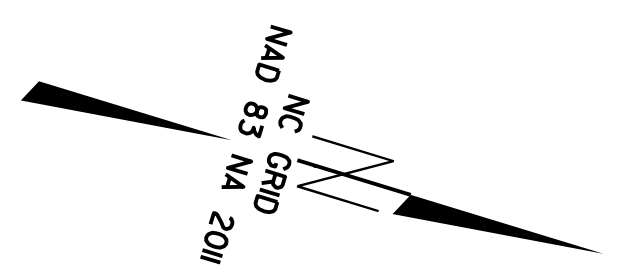
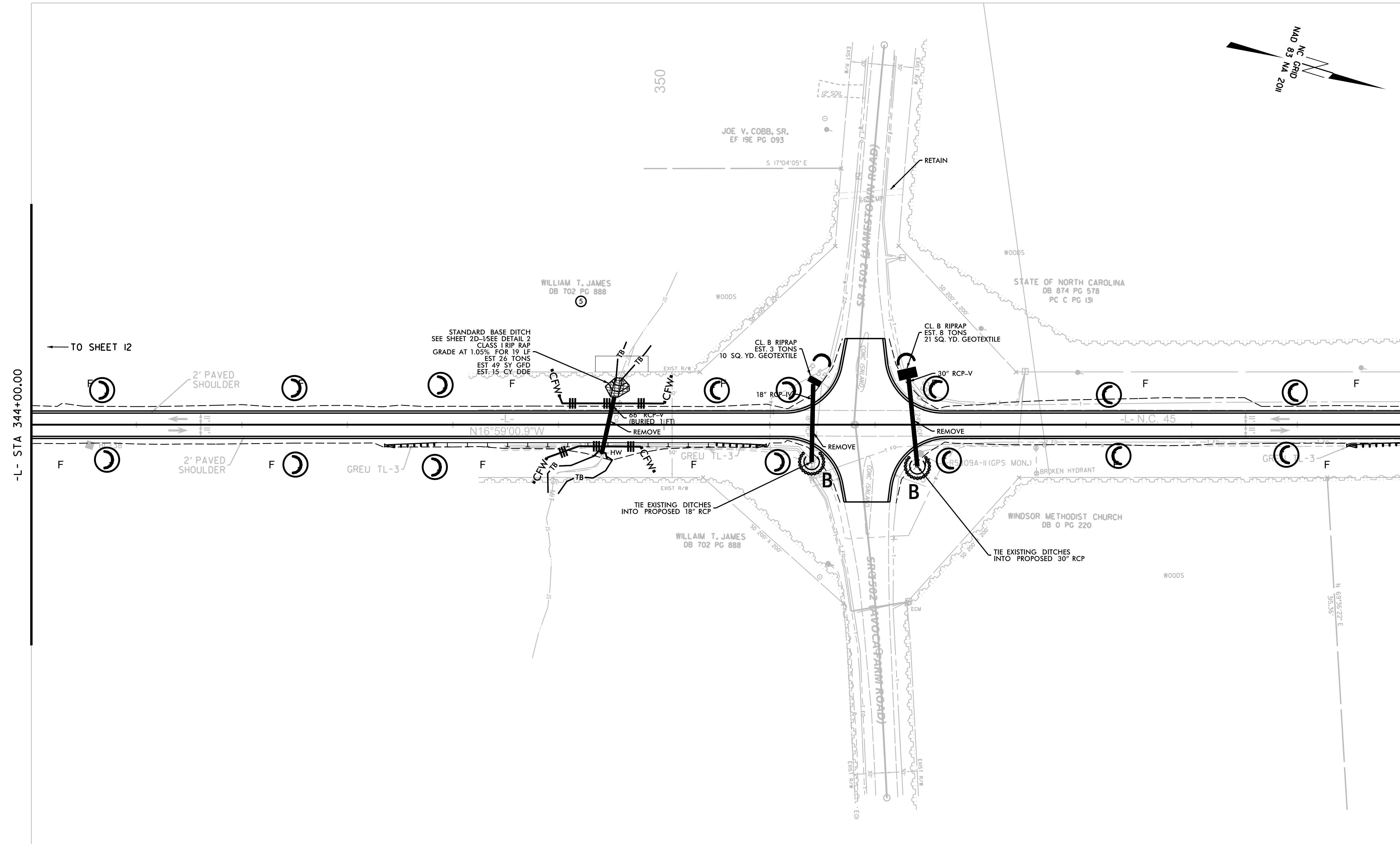


-L- STA 331+00.00

MATCHLINE -L- STA 344+00.00  
SEE PLAN SHEET 13

PROJECT REFERENCE NO. <i>R-5809 A</i>	SHEET NO. EC-28/CONST. 13
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.



REVISIONS

5/14/99

10/10/2023

SEE SHEET NO. 20 FOR 'L' PROFILE

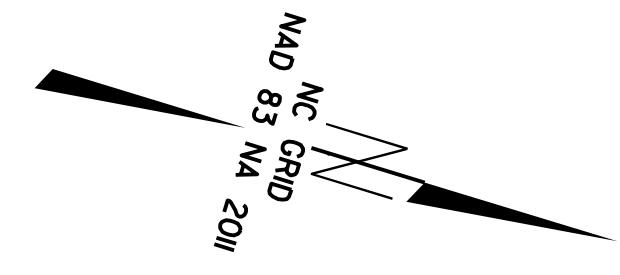
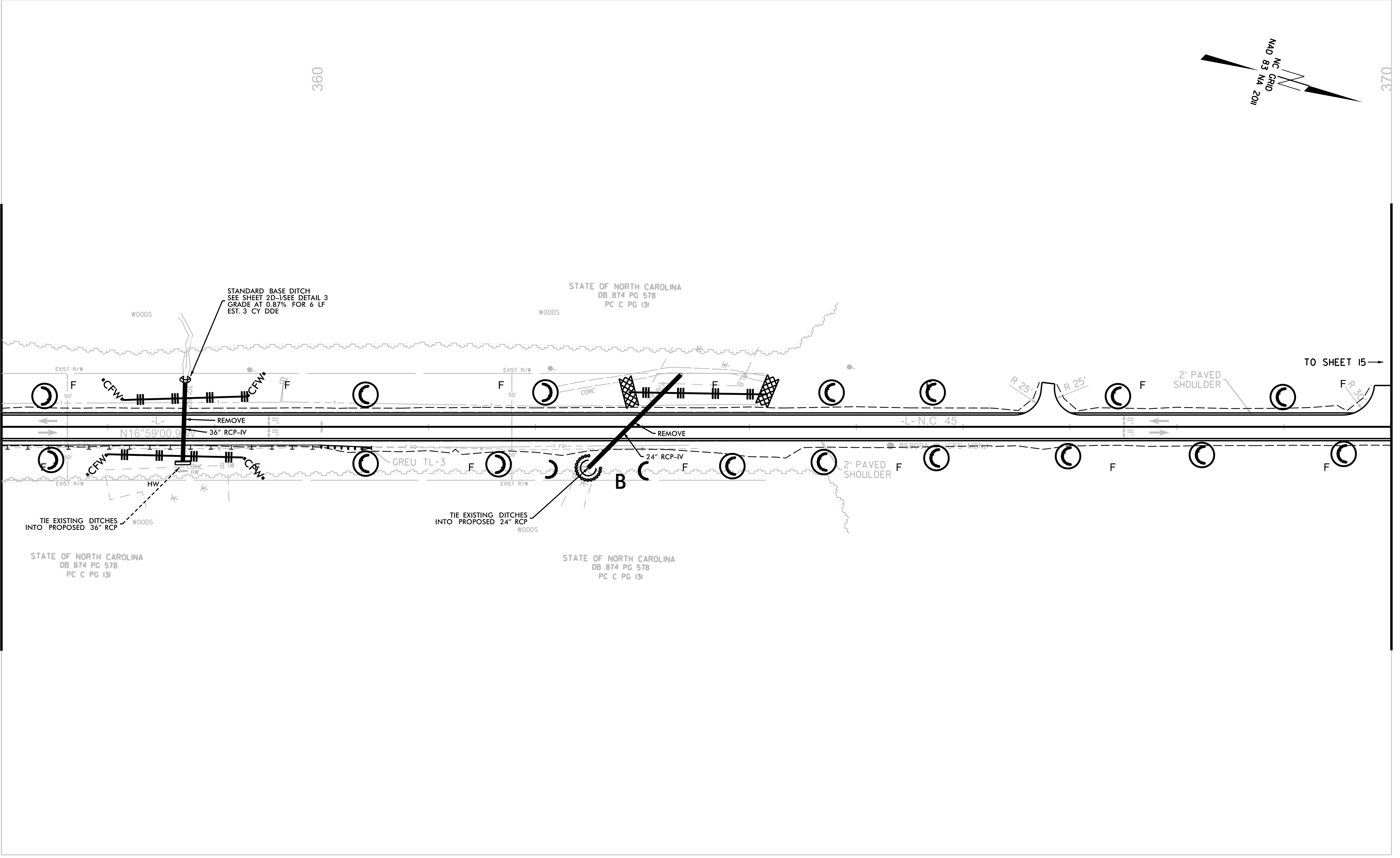
PROJECT REFERENCE NO. <i>R-5809 A</i>	SHEET NO. EC-29/CONST. 14
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.

REVISIONS

MATCHLINE -L- STA 357+00.00  
SEE PLAN SHEET 13

-L- STA 370+00.00



5/14/99

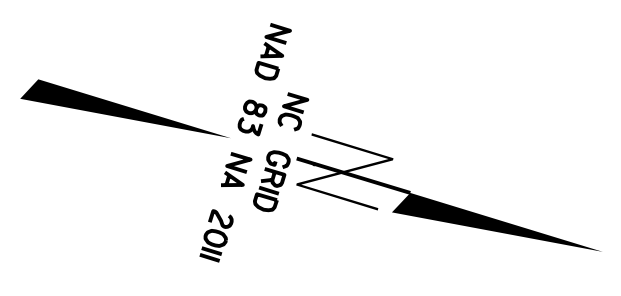
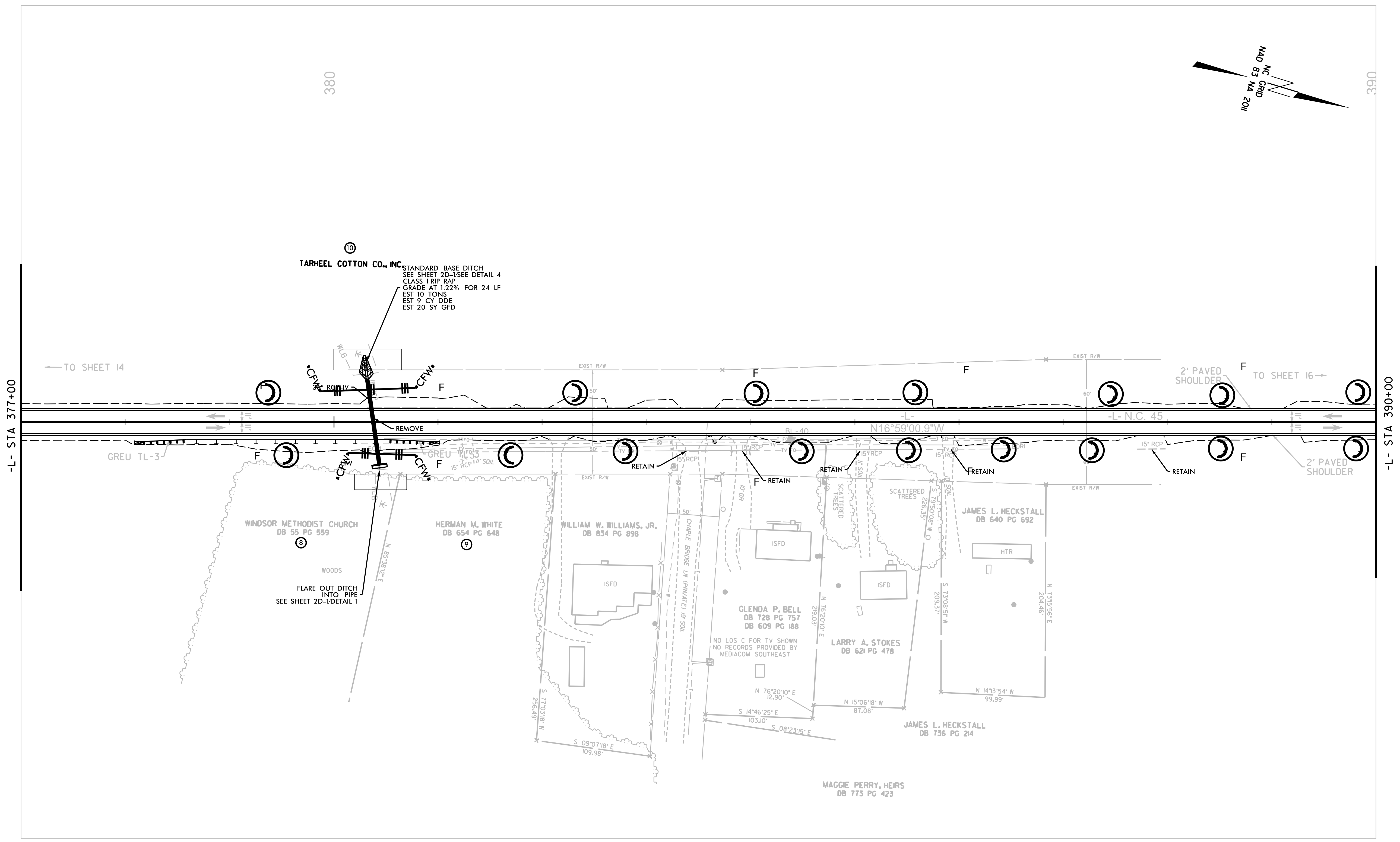
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SEE SHEET NO. 20 FOR 'L' PROFILE

PROJECT REFERENCE NO. <i>R-5809 A</i>	SHEET NO. EC-30/CONST. 15
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.

REVISIONS



-L- STA 377+00

-L- STA 390+00

← TO SHEET 14

TO SHEET 16 →

5/14/99

10/10/2023

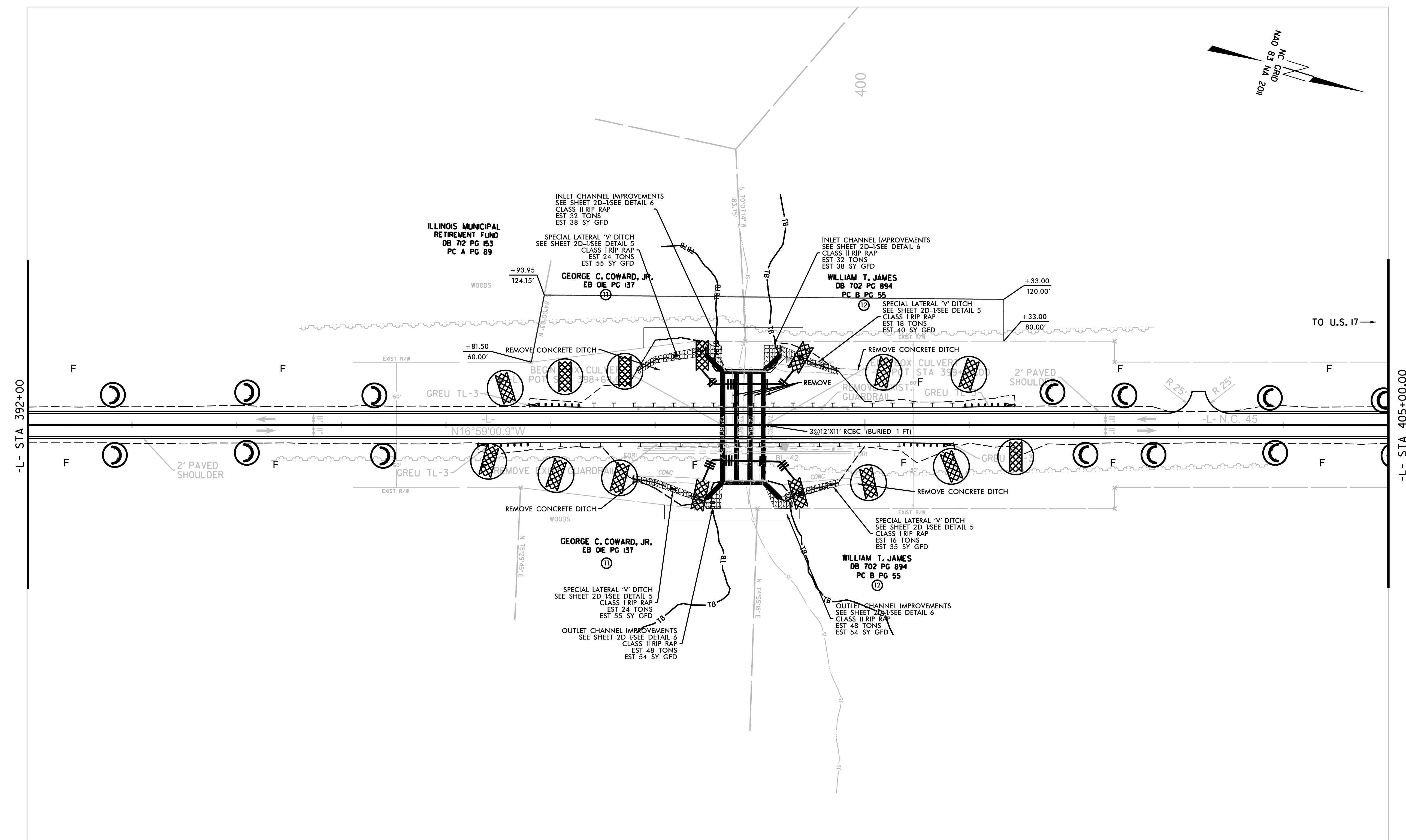
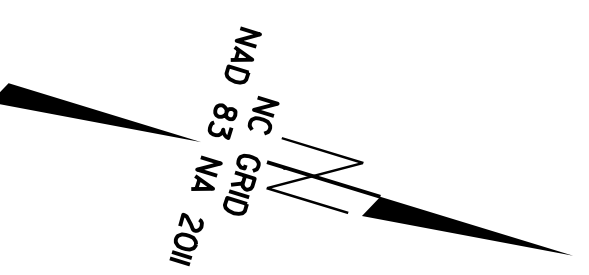
SEE SHEET NO. 20 FOR 'L' PROFILE



PROJECT REFERENCE NO. <i>R-5809 A</i>	SHEET NO. EC-31/CONST. 16
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.

REVISIONS



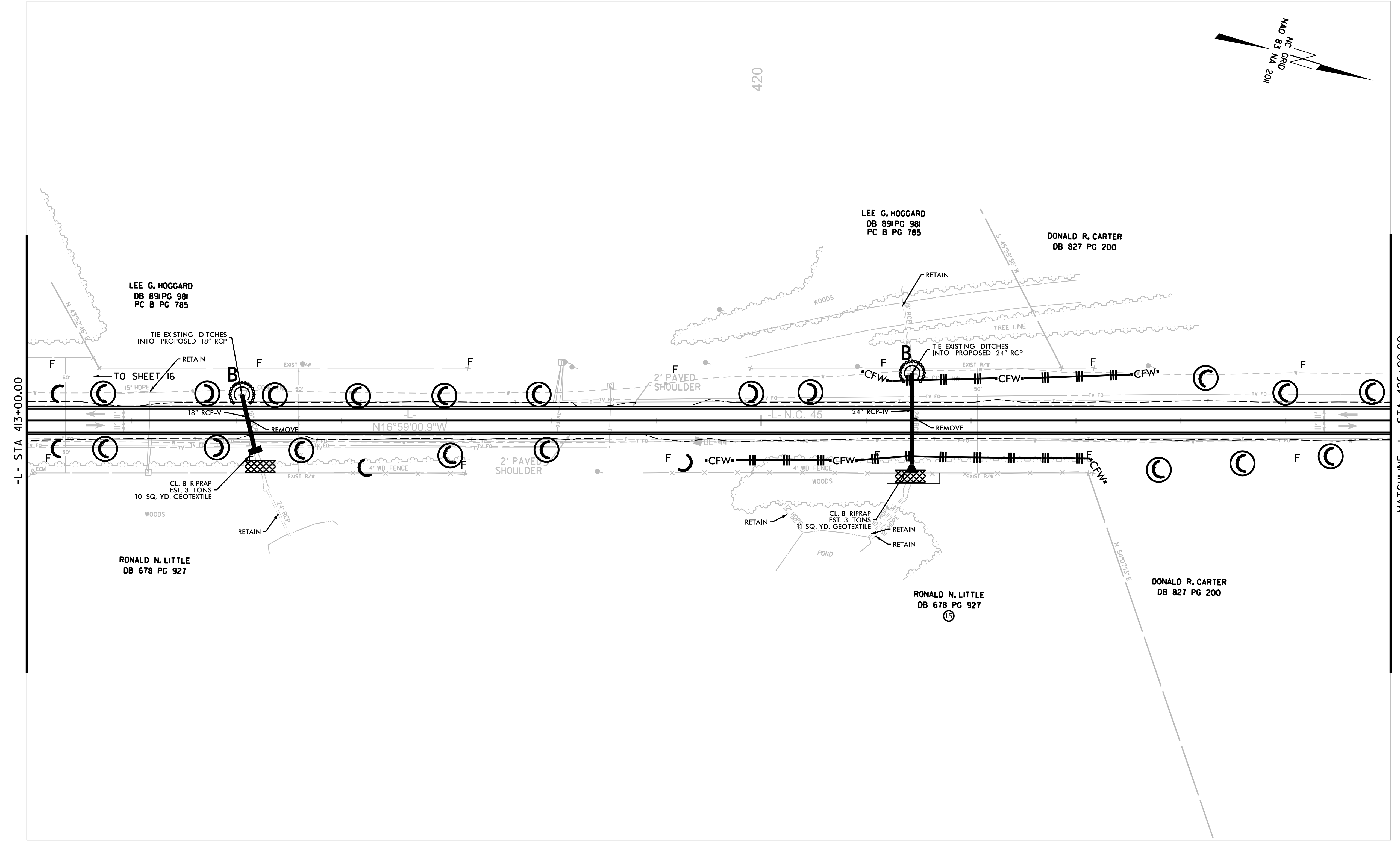
10/10/2023

SEE SHEET NO. 20 FOR 'L' PROFILE

PROJECT REFERENCE NO. <i>R-5809 A</i>	SHEET NO. EC-32/CONST. 17
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.

REVISIONS



5/14/99

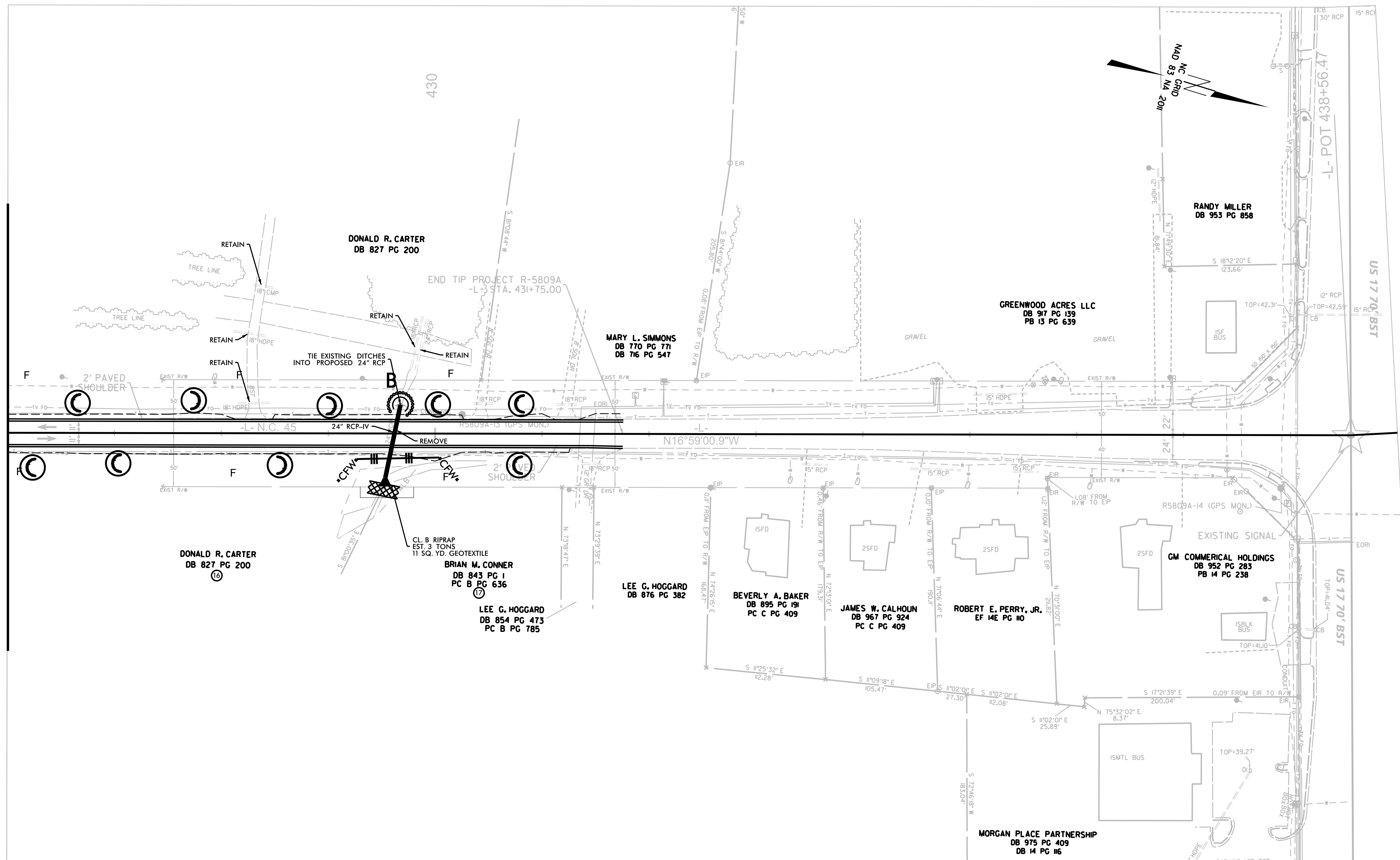
10/10/2023

SEE SHEET NO. 21 FOR 'L' PROFILE

Place Coir Fiber Wattles with PAM in existing ditch line. Coir Fiber Wattles without PAM to be installed before water directly leaves the project site.

REVISIONS

MATCHLINE -L- STA 426+00.00  
SEE PLAN SHEET 17



5/14/99

10/10/2023

SEE SHEET NO. 21 FOR 'L' PROFILE