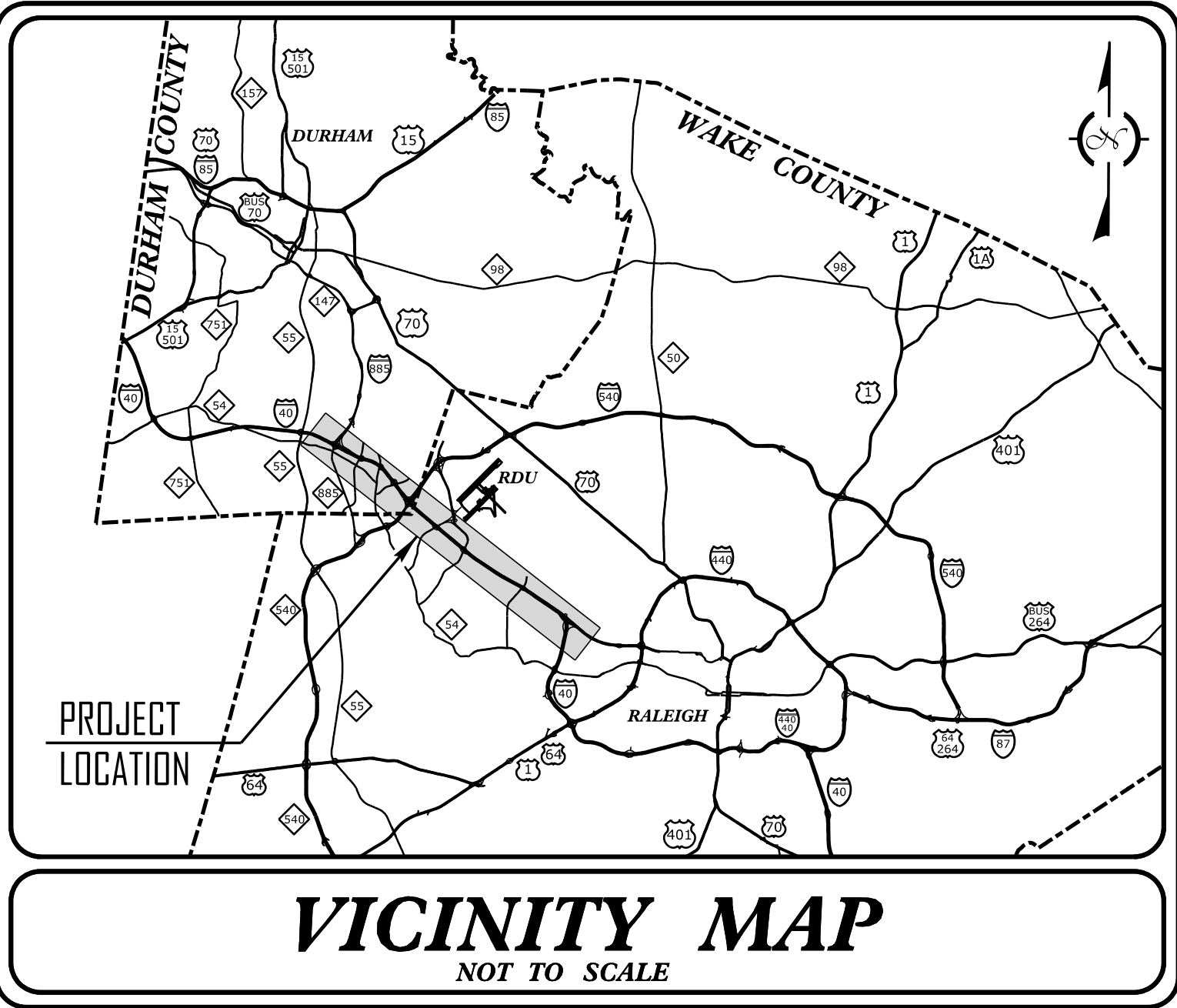


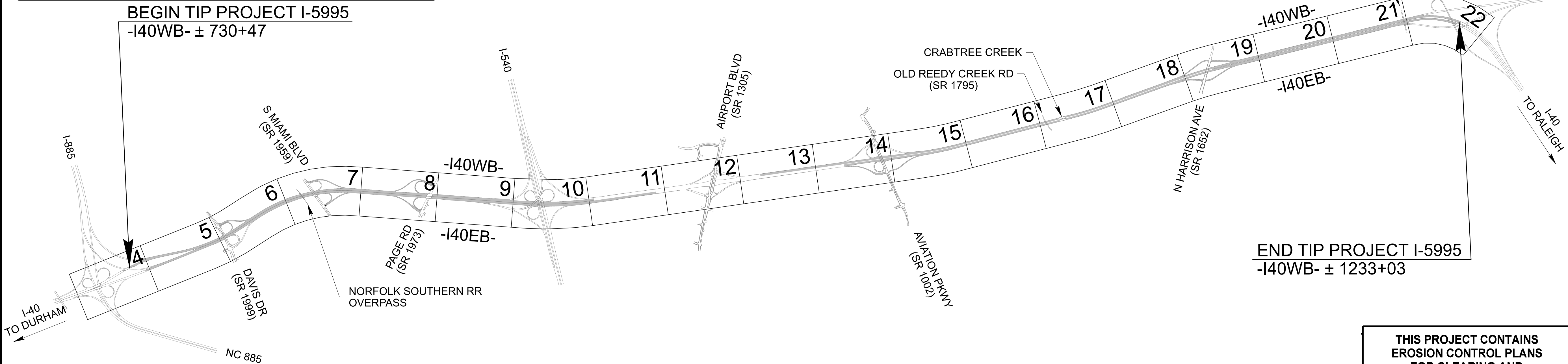
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-5995	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
47950.1.1	N/A	PE	
47950.3.1	0040077	CONST.	

TIP PROJECT: I-5995



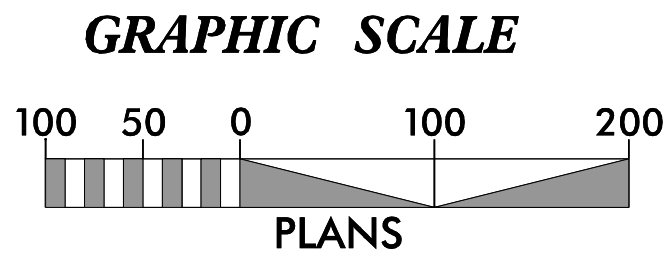
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL

DURHAM & WAKE COUNTIES
LOCATION: *I-40 FROM EAST OF I-885/NC 885 TO SR 1728 (WADE AVE.)*
TYPE OF WORK: *PAVEMENT REHABILITATON*



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

THIS PROJECT HAS
BEEN DESIGNED TO
SENSITIVE WATERSHED
STANDARDS.



THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY
WITH THE REGULATIONS SET FORTH BY THE
NCG-010000 GENERAL STORMWATER CONSTRUCTION PERMIT
ISSUED BY THE NORTH CAROLINA DEPARTMENT OF
ENVIRONMENTAL QUALITY DIVISION OF ENERGY,
MINERAL, AND LAND RESOURCES.

Prepared In the Office of:
WGI (C-5315)
5640 Dillard Dr., Suite 200
Cary, NC 27518
2024 STANDARD SPECIFICATIONS
Designed by:
FORREST BROOKS, PE **4039**
NAME LEVEL III CERTIFICATION NO.

Roadway Standard Drawings
The "Roadway Standard Drawings"- Roadway Design Unit - N. C.
Department of Transportation - Raleigh, N. C., dated January 2024
and the latest revision thereto are applicable to this project and by
reference hereby are considered a part of these plans.

PROJECT REFERENCE NO.
I-5995

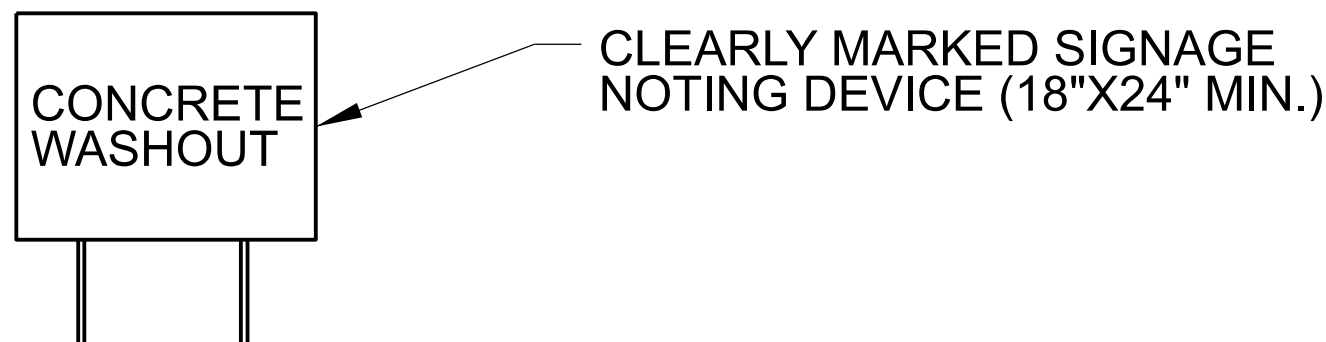
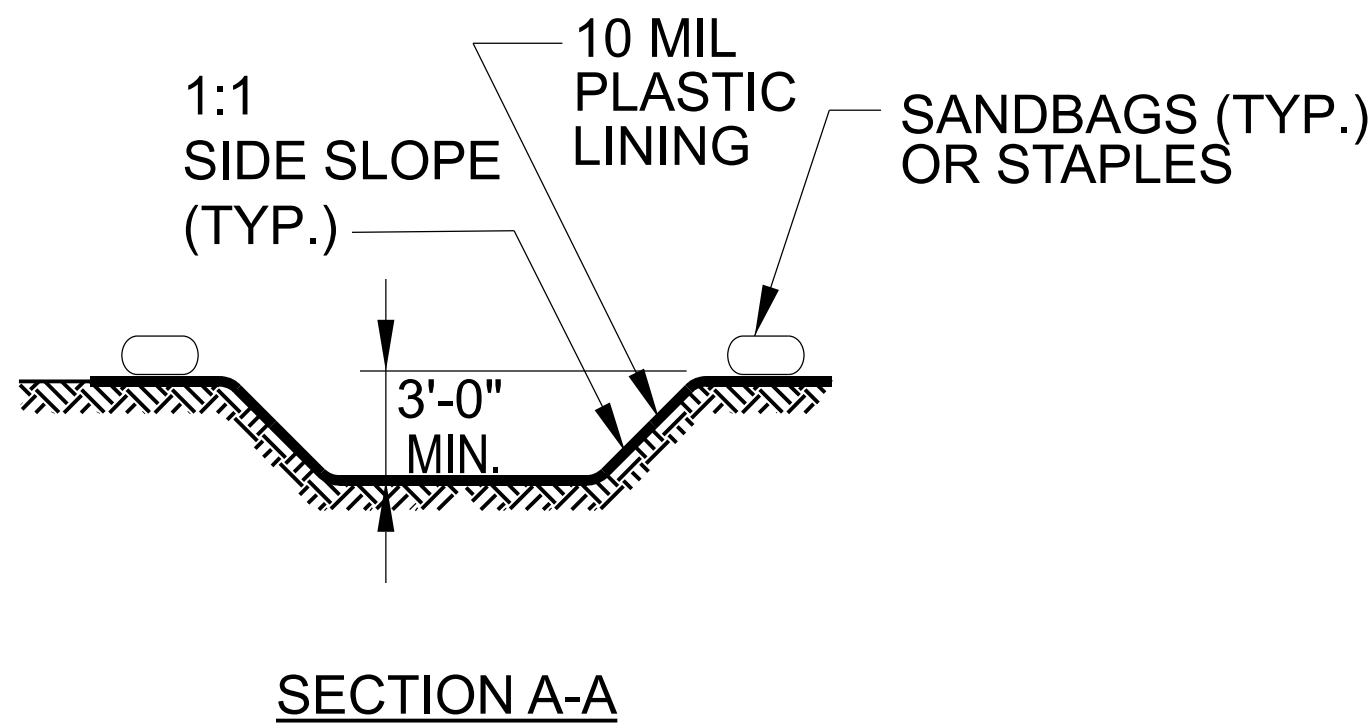
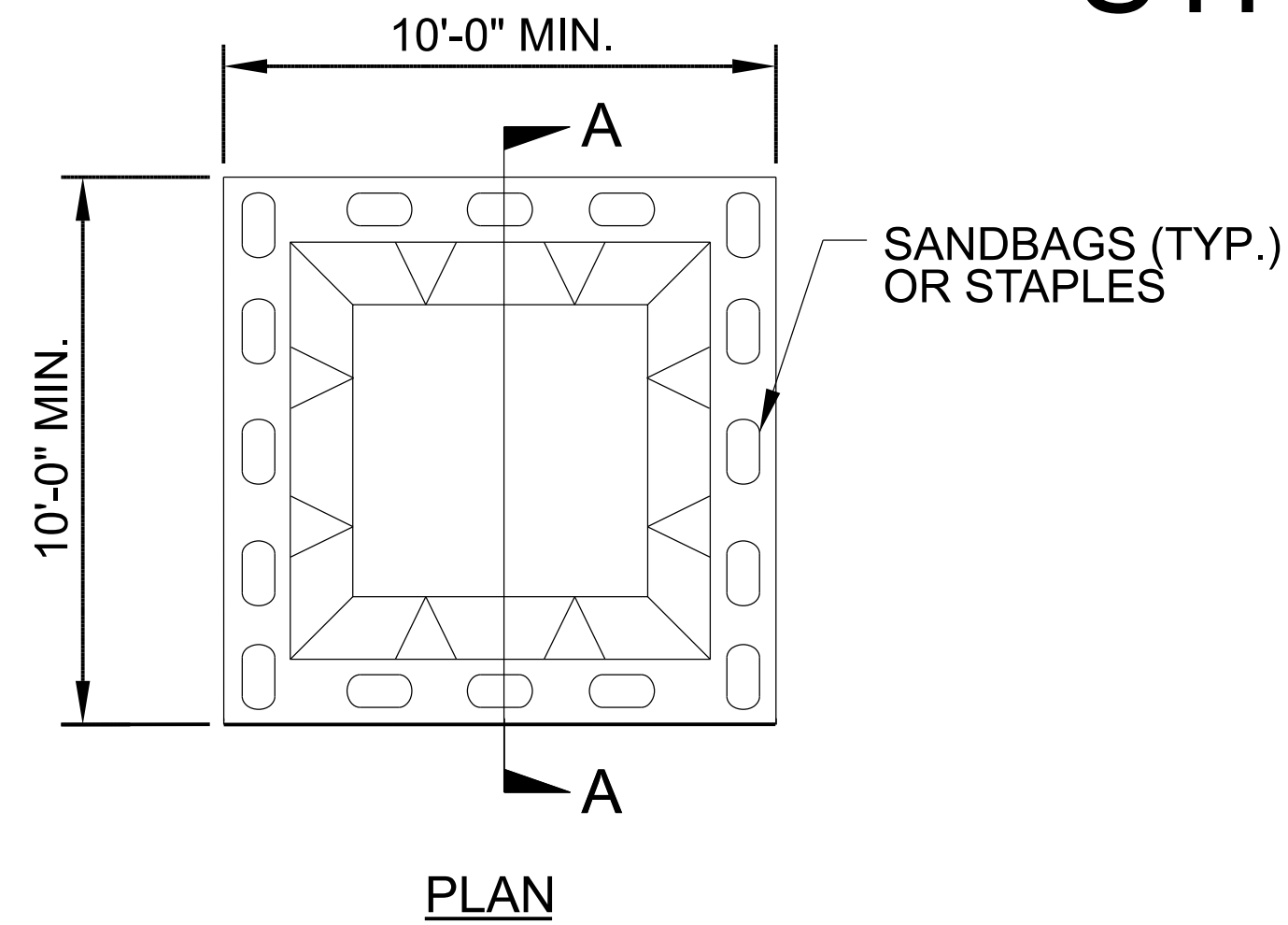
SHEET NO.
EC-2

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

EROSION & SEDIMENT CONTROL LEGEND

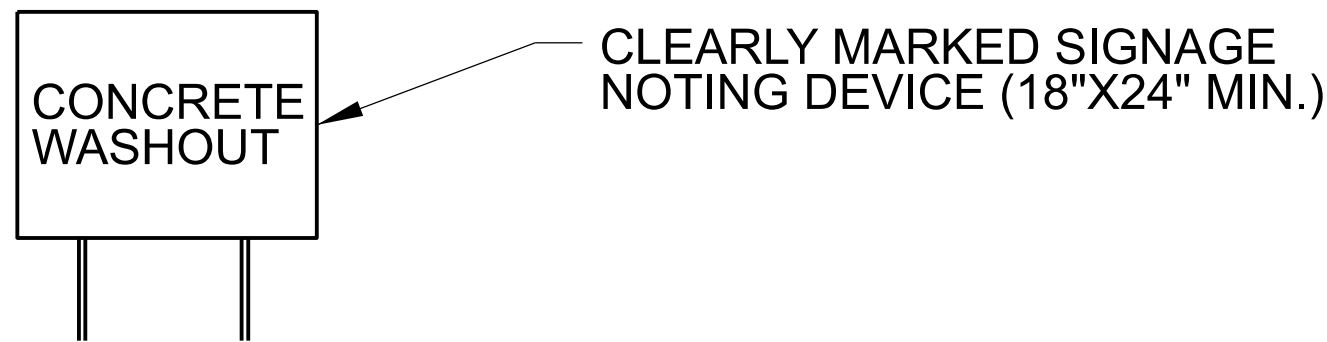
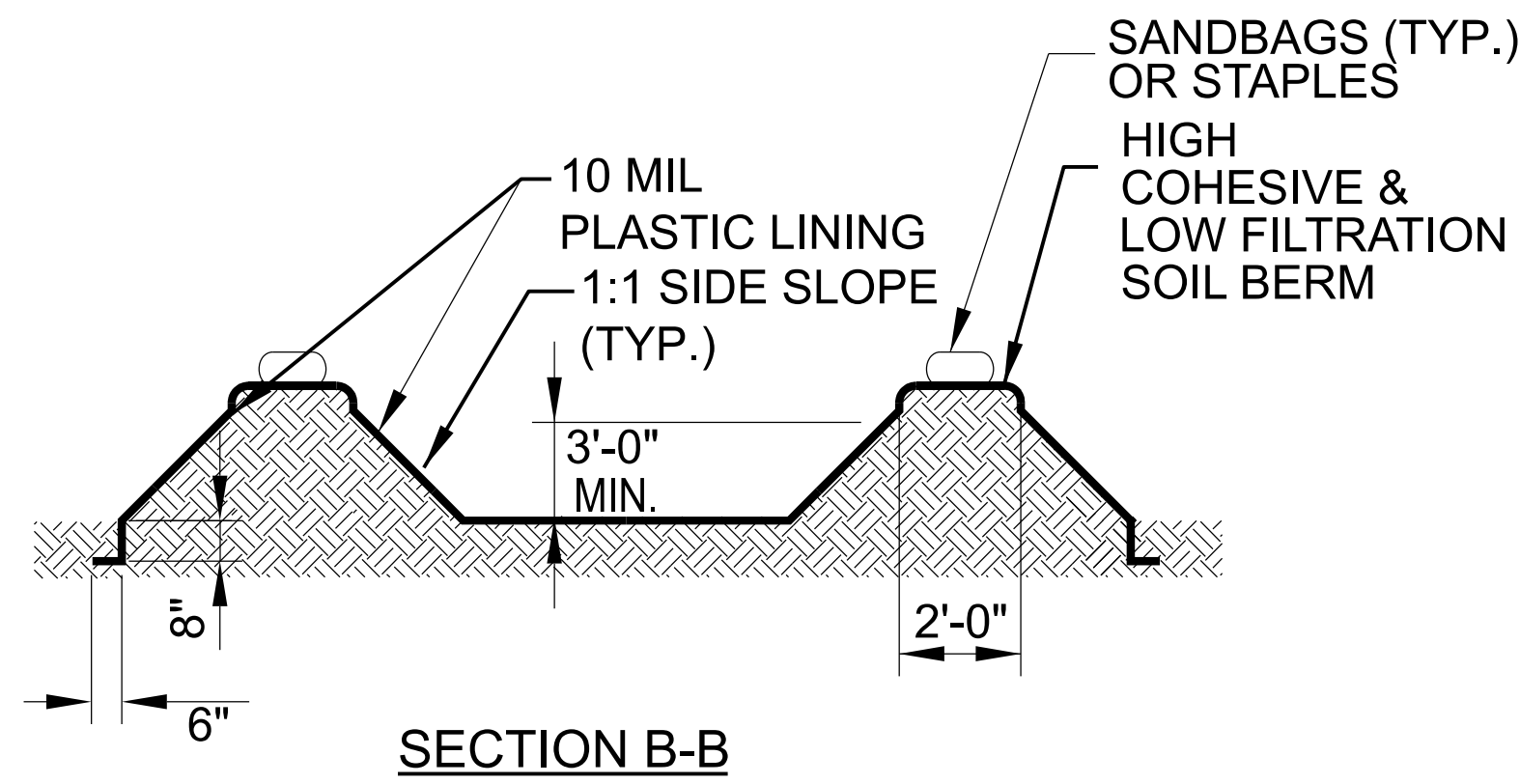
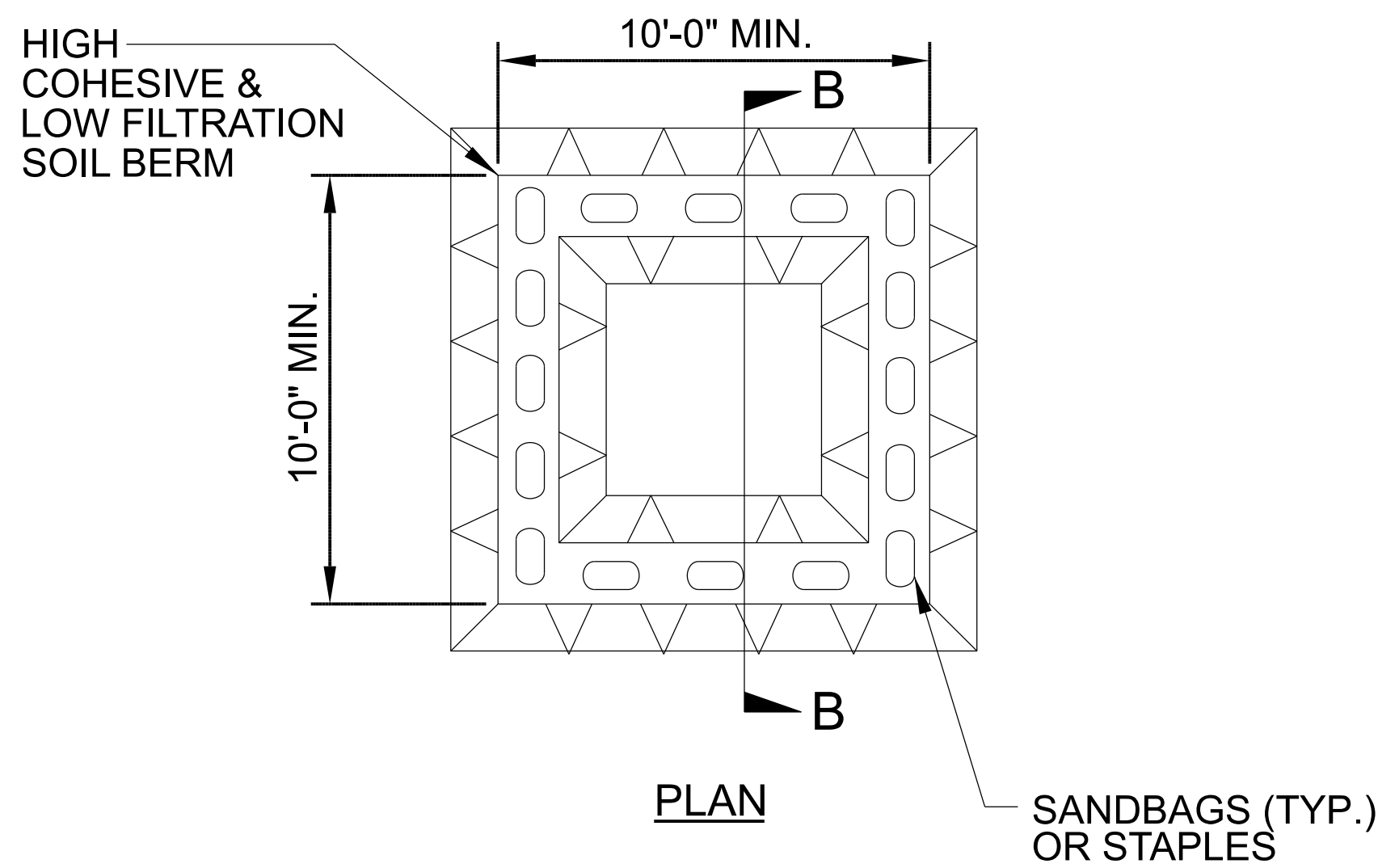
Std. #	Description	Symbol	Std. #	Description	Symbol
1605.01	Temporary Silt Fence		1633.01	Temporary Rock Silt Check Type A	
1606.01	Special Sediment Control Fence		1633.02	Temporary Rock Silt Check Type B	
1622.01	Temporary Berms and Slope Drains		1633.03	Temporary Rock Silt Check Type A with Excelsior 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				
1632.02	Type B		1636.03	Excelsior Wattle Barrier	
1632.03	Type C		1636.03	Coir Fiber Wattle Barrier	

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.

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION TIMEFRAMES

SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
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 TO 4:1	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50’ IN LENGTH WITH SLOPES STEEPER THAN 4:1. 7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES PERIMETER SLOPES, AND HQW ZONES
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES PERIMETER SLOPES, AND HQW ZONES

For "Paving Only Section"
install Erosion Control
Measures as directed.

UTILIZE FABRIC INSERT INLET PROTECTION
DEVICE IN LIEU OF ROCK INLET SEDIMENT TRAP
TYPE C WHERE WATER MAY POND ON THE
ROADWAY IN AREAS WHERE LIVE TRAFFIC
IS PRESENT, AS DIRECTED BY THE ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

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

I-5995

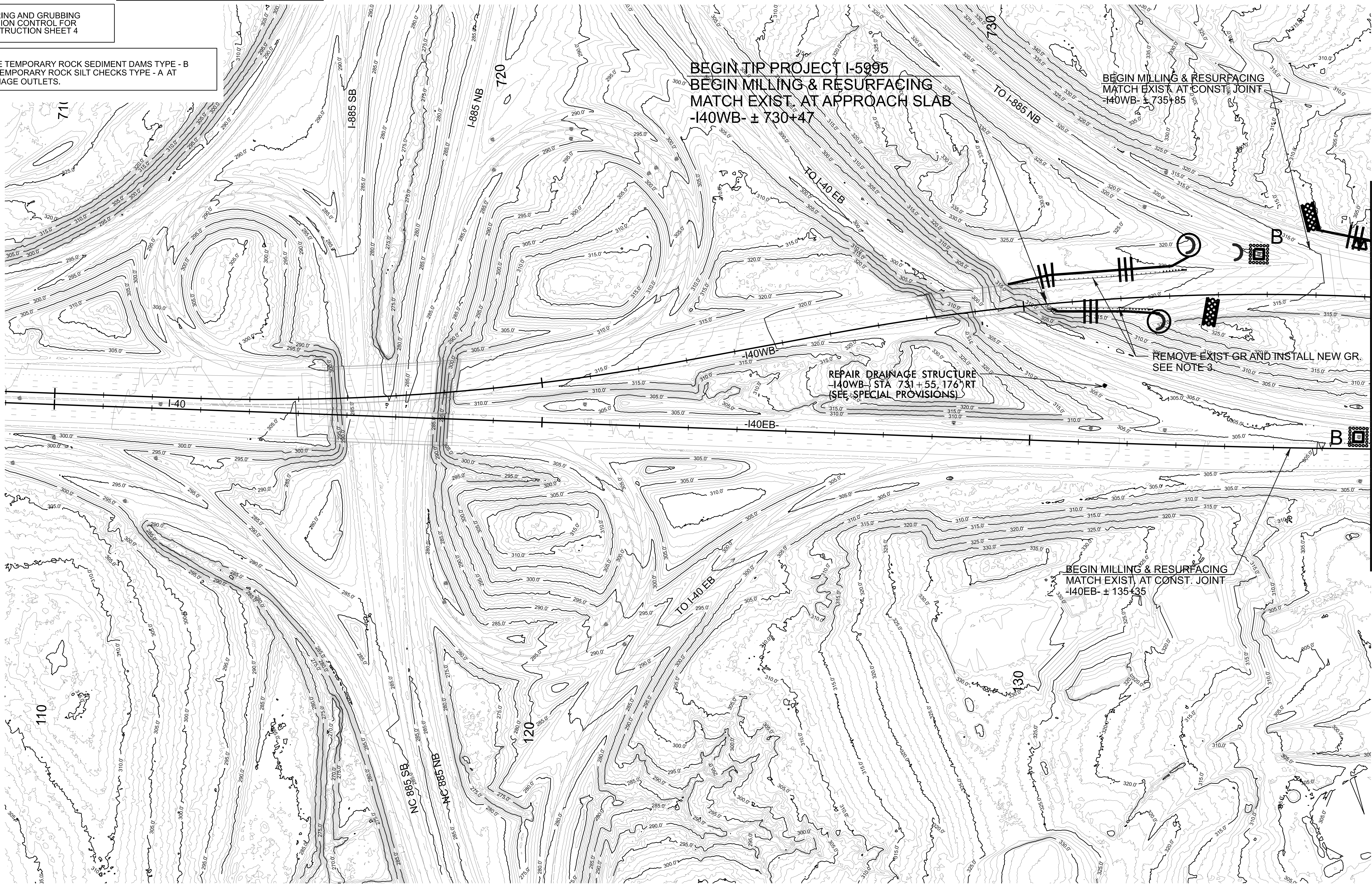
EC- 4 / CONST. 4

NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

DURHAM & WAKE COUNTIES

DIVISION 5



REVISIONS

UTILIZE FABRIC INSERT INLET PROTECTION DEVICE IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C WHERE WATER MAY POND ON THE ROADWAY IN AREAS WHERE LIVE TRAFFIC IS PRESENT, AS DIRECTED BY THE ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 5

For "Paving Only Section"
install Erosion Control
Measures as directed.

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

I-5995

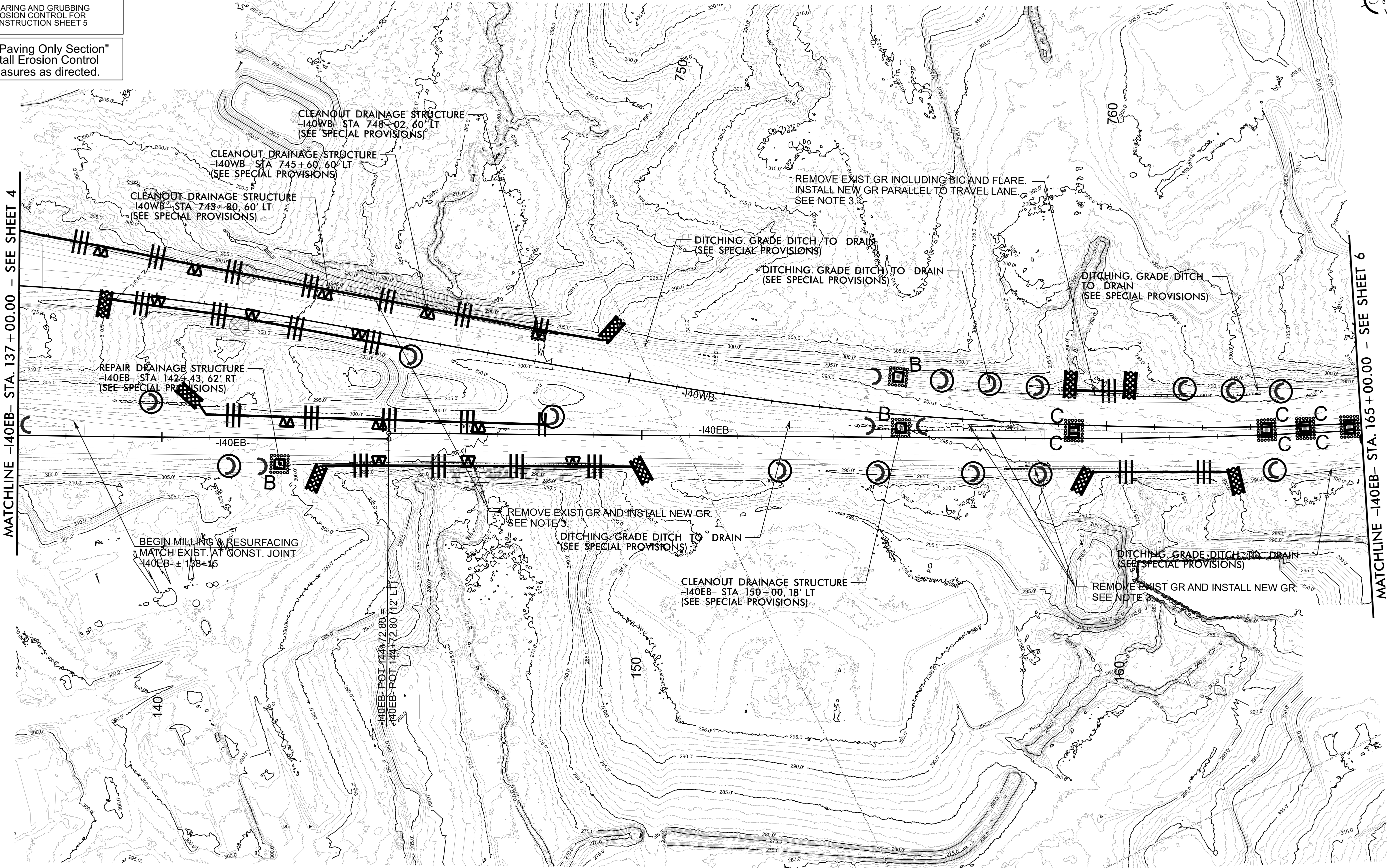
EC- 5 / CONST. 5

NORTH CAROLINA

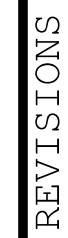
DEPARTMENT OF TRANSPORTATION

DURHAM & WAKE COUNTIES

DIVISION 5



REVISIONS



For "Paving Only Section"
install Erosion Control
Measures as directed.

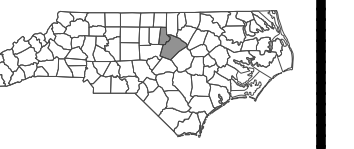
UTILIZE FABRIC INSERT INLET PROTECTION
DEVICE IN LIEU OF ROCK INLET SEDIMENT TRAP
TYPE C WHERE WATER MAY POND ON THE
ROADWAY IN AREAS WHERE LIVE TRAFFIC
IS PRESENT, AS DIRECTED BY THE ENGINEER

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

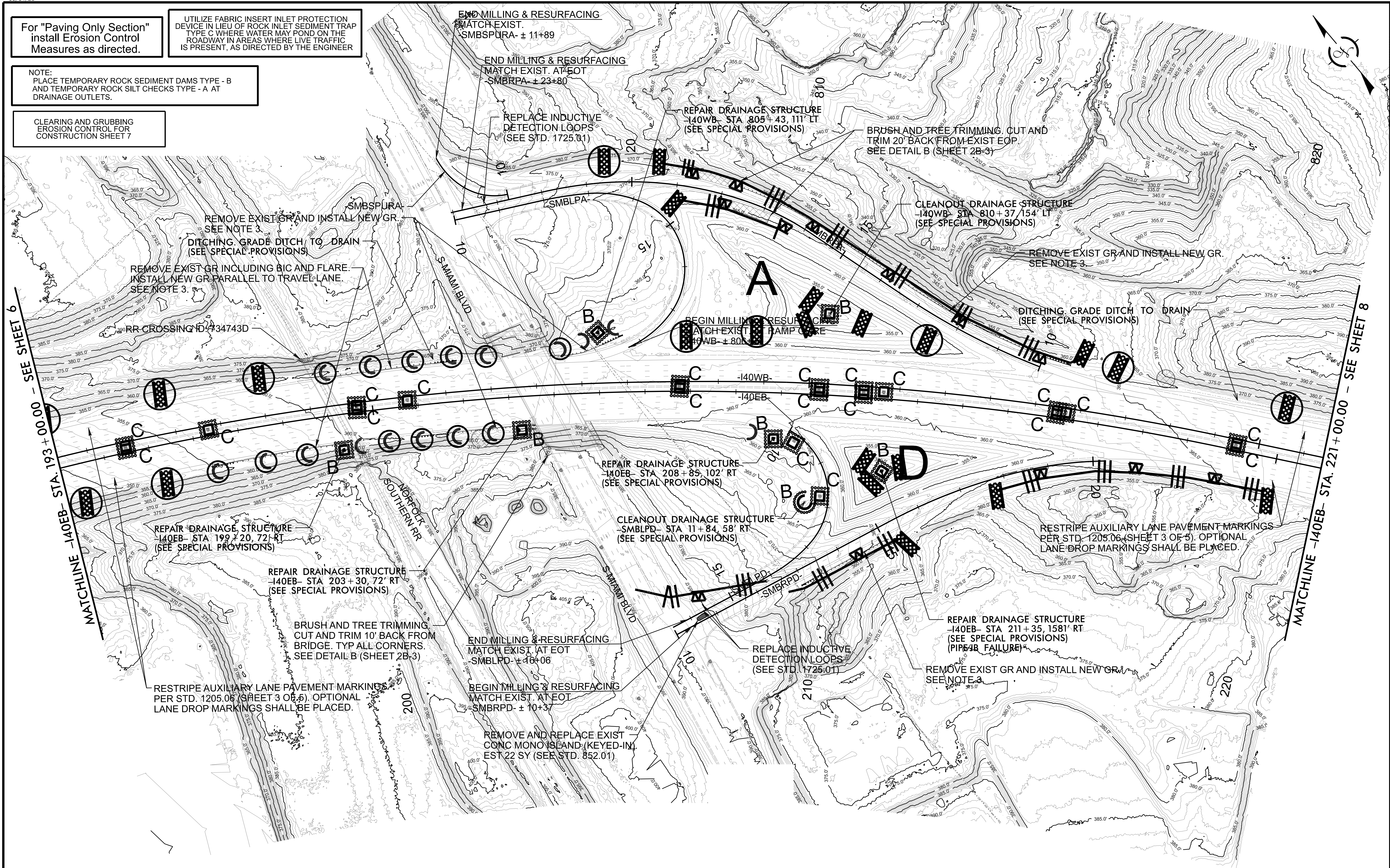
CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 7

-5995

C-7 / CONST. 7



MISSION 5



CONCLUSIONS

For "Paving Only Section"
install Erosion Control
Measures as directed.

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 8

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

UTILIZE FABRIC INSERT INLET PROTECTION
DEVICE IN LIEU OF ROCK INLET SEDIMENT TRAP
TYPE C WHERE WATER MAY POND ON THE
ROADWAY IN AREAS WHERE LIVE TRAFFIC
IS PRESENT, AS DIRECTED BY THE ENGINEER

1-5995

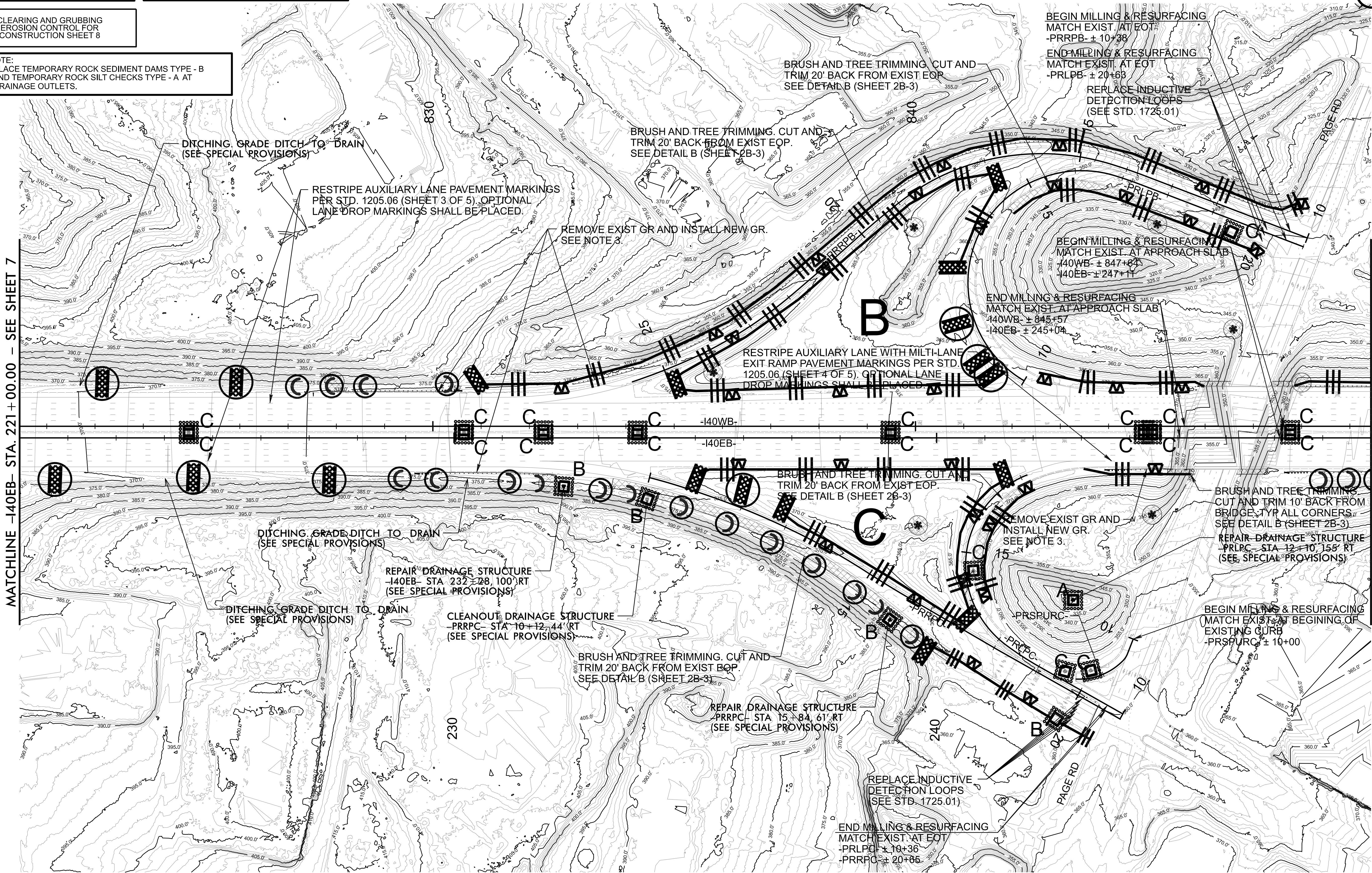
EC- 8 / CONST. 8

NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

DURHAM & WAKE COUNTIES

DIVISION 5



MATCHLINE -140EB- STA. 249+00.00 - SEE SHEET 9

MATCHLINE -140EB- STA. 221+00.00 - SEE SHEET 7

REVISIONS

For "Paving Only Section"
install Erosion Control
Measures as directed.

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.

UTILIZE FABRIC INSERT INLET PROTECTION
DEVICE IN LIEU OF ROCK INLET SEDIMENT TRAP
TYPE C WHERE WATER MAY POND ON THE
ROADWAY IN AREAS WHERE LIVE TRAFFIC
IS PRESENT, AS DIRECTED BY THE ENGINEER

1-5995

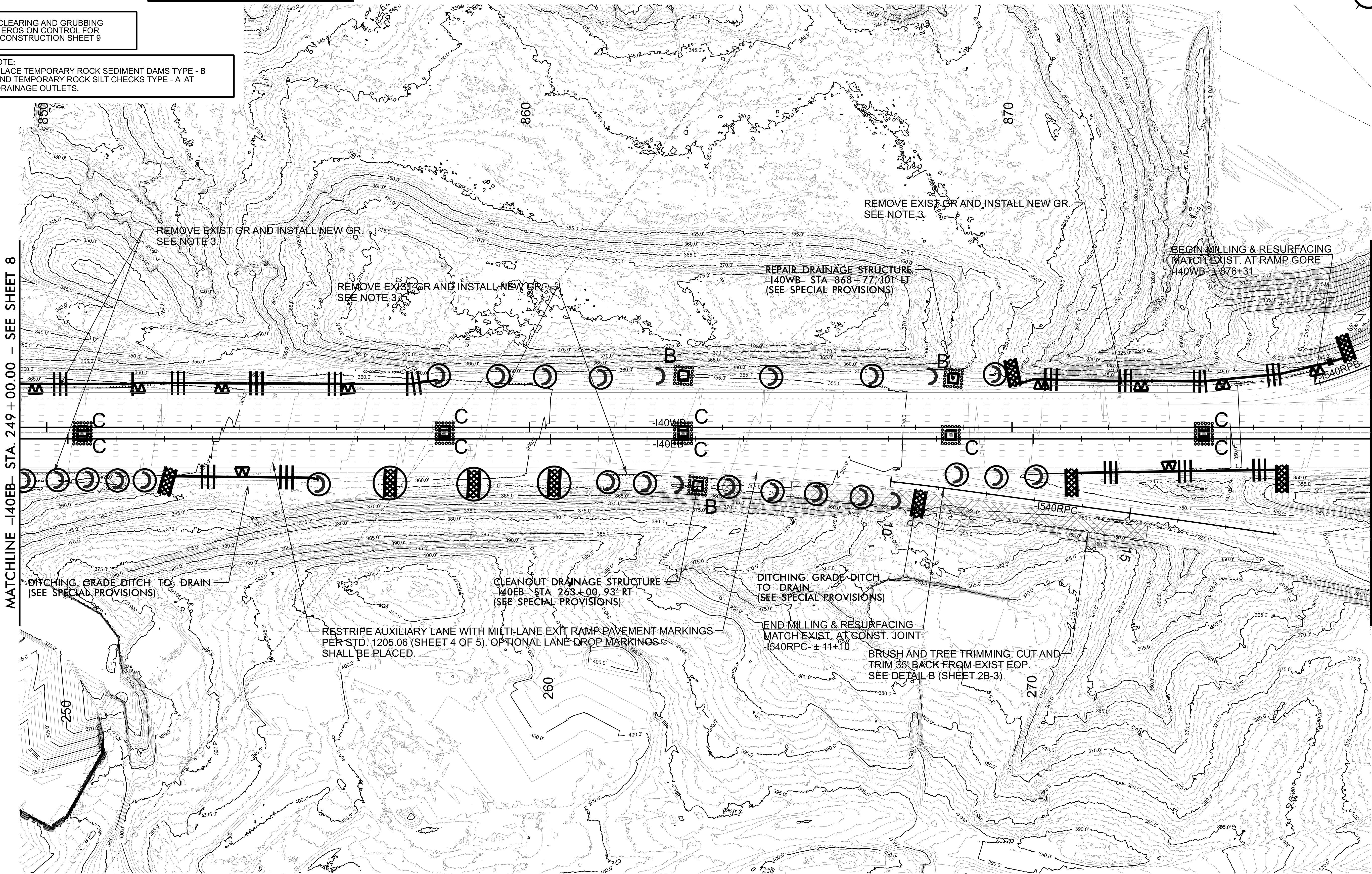
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NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

DURHAM & WAKE COUNTIES

DIVISION 5



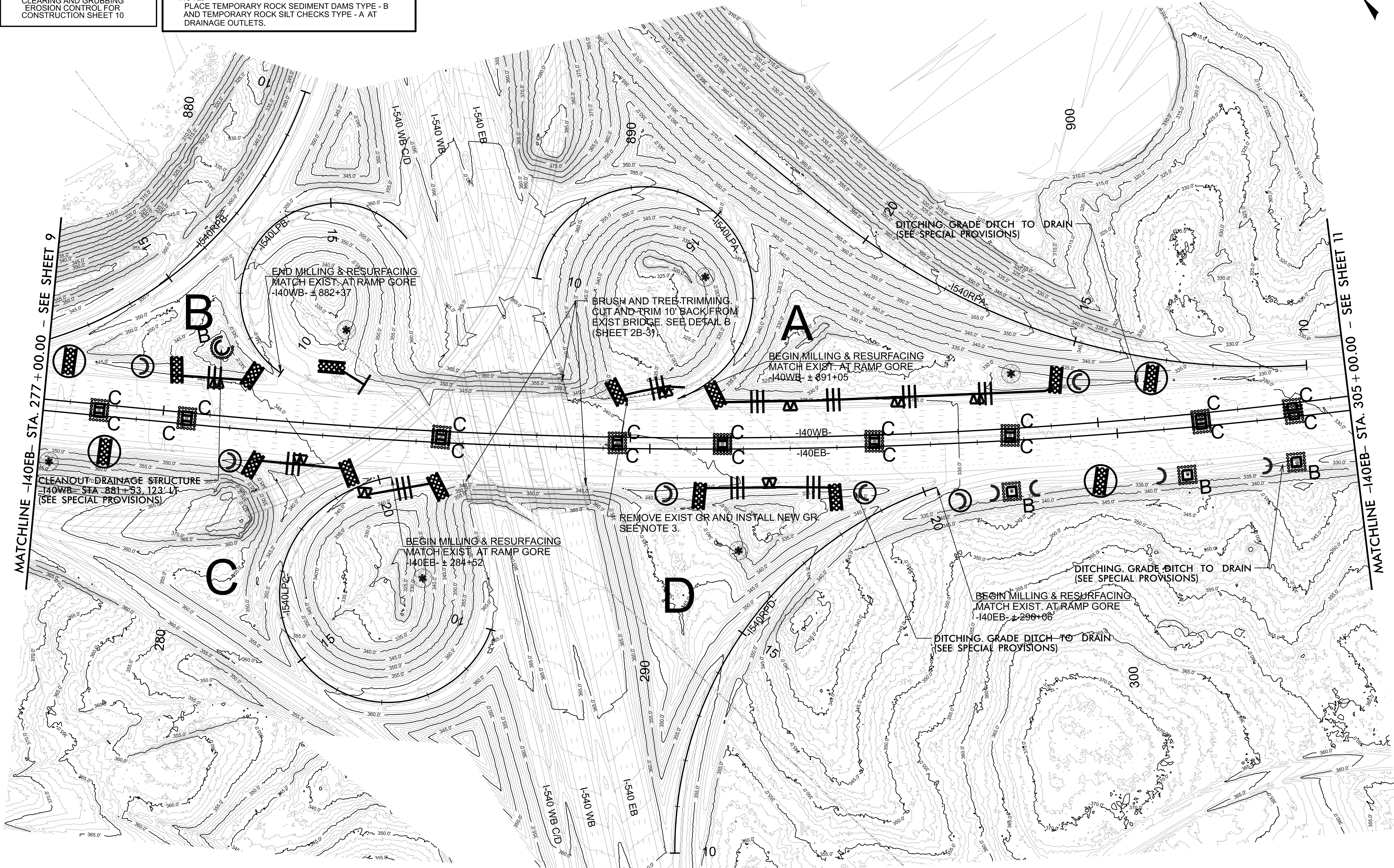
REVISIONS

For "Paving Only Section"
install Erosion Control
Measures as directed.

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 10

UTILIZE FABRIC INSERT INLET PROTECTION
DEVICE IN LIEU OF ROCK INLET SEDIMENT TRAP
TYPE C WHERE WATER MAY POND ON THE
ROADWAY IN AREAS WHERE LIVE TRAFFIC
IS PRESENT, AS DIRECTED BY THE ENGINEER

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



REVISIONS

For "Paving Only Section"
install Erosion Control
Measures as directed.

UTILIZE FABRIC INSERT INLET PROTECTION
DEVICE IN LIEU OF ROCK INLET SEDIMENT TRAP
TYPE C WHERE WATER MAY POND ON THE
ROADWAY IN AREAS WHERE LIVE TRAFFIC
IS PRESENT, AS DIRECTED BY THE ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 11

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

1-5995

EC- 11 / CONST. 11

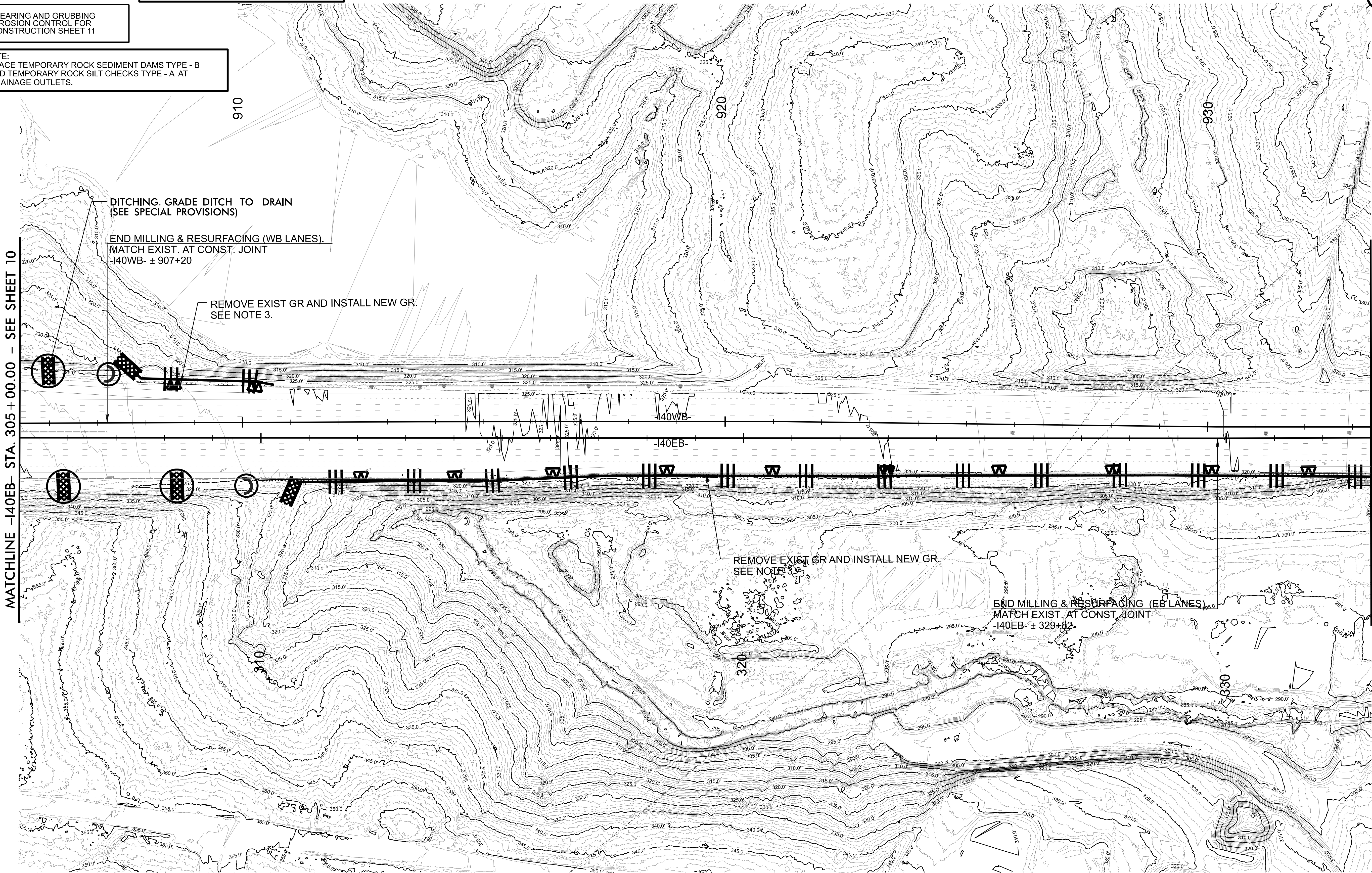
NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

DURHAM & WAKE COUNTIES



DIVISION 5



REVISIONS

For "Paving Only Section" install Erosion Control Measures as directed.

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

UTILIZE FABRIC INSERT INLET PROTECTION
DEVICE IN LIEU OF ROCK INLET SEDIMENT TRAP
TYPE C WHERE WATER MAY POND ON THE
ROADWAY IN AREAS WHERE LIVE TRAFFIC
IS PRESENT, AS DIRECTED BY THE ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 12

I-5995

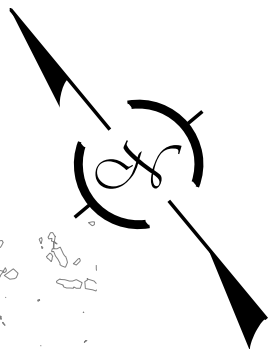
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NORTH CAROLINA

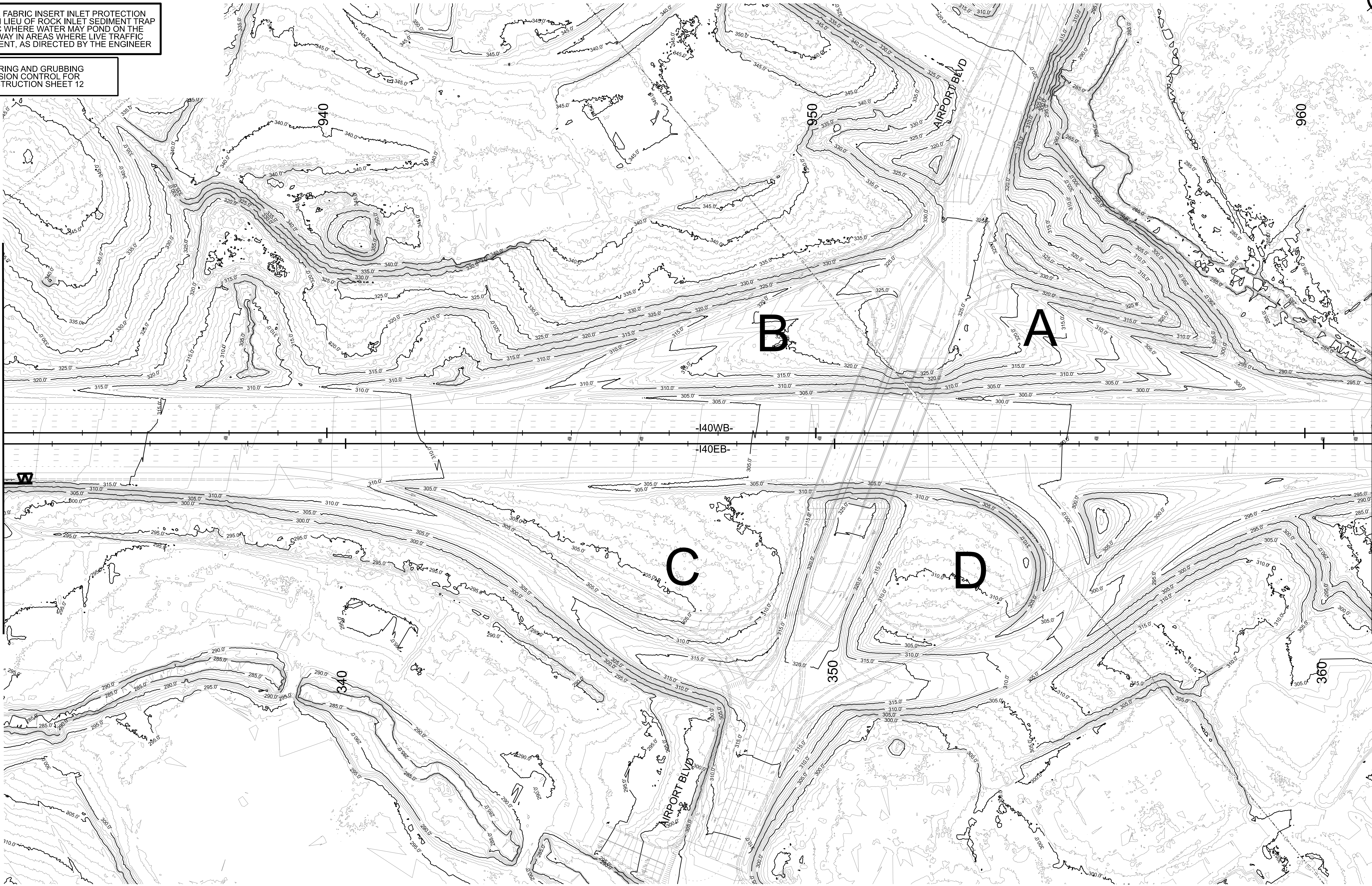
DEPARTMENT OF TRANSPORTATION

DURHAM & WAKE COUNTIES

DIVISION 5



MATCHLINE -I40EB- STA. 333+00.00 – SEE SHEET 11



MATCHLINE -I40EB- STA. 361+00.00 – SEE SHEET 13

REVISIONS