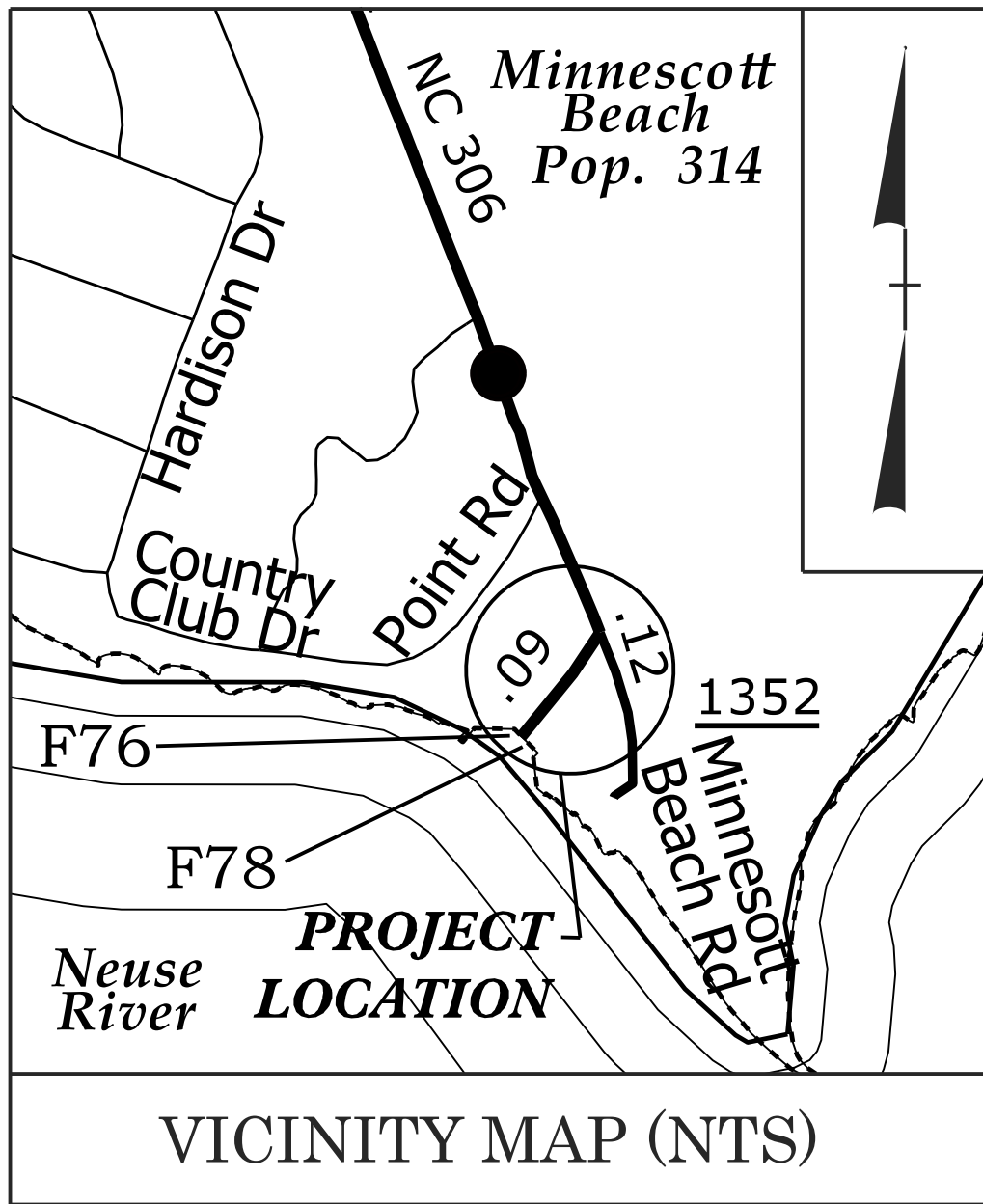


TIP PROJECT: BR-0173

CONTRACT:



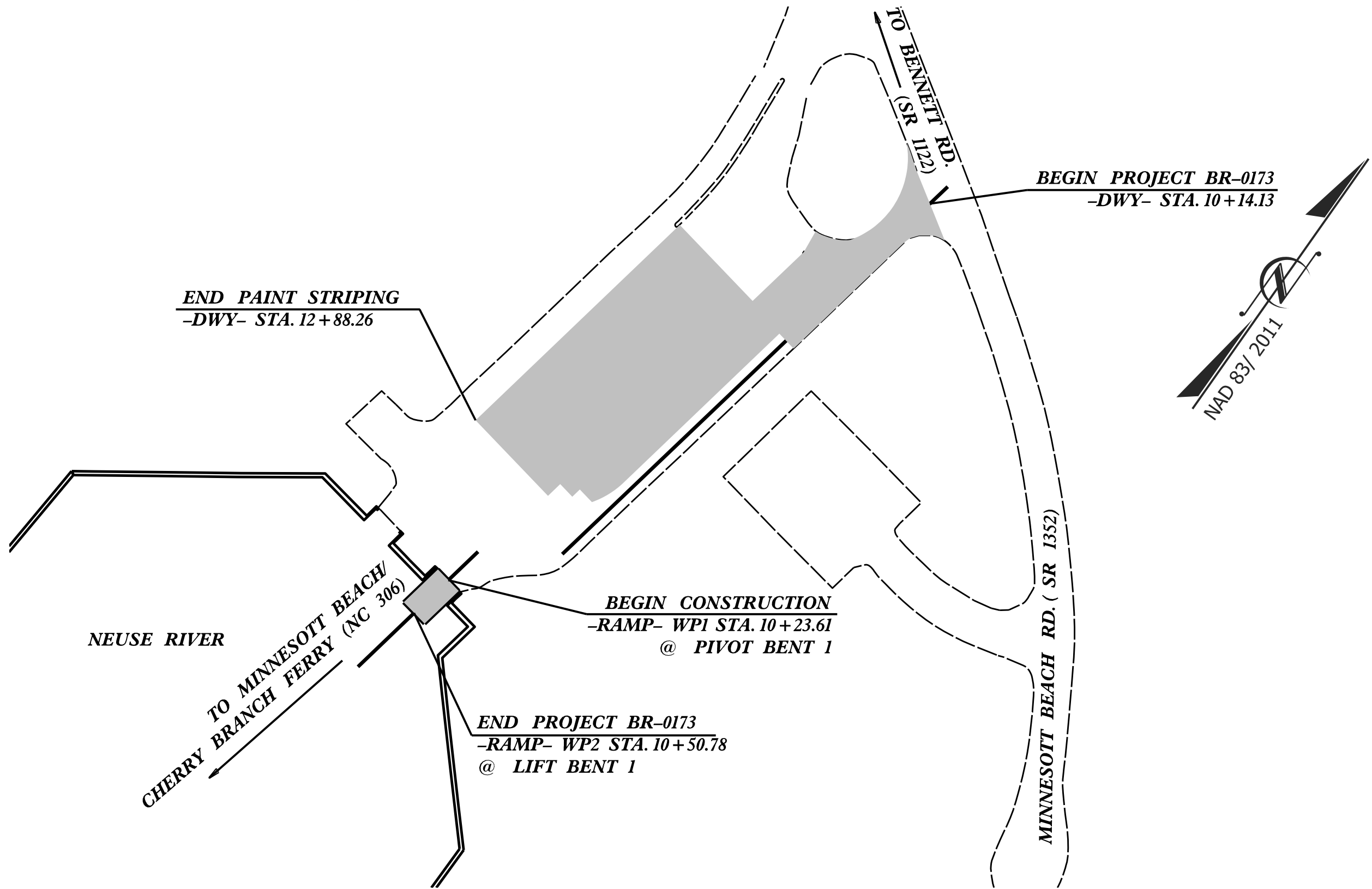
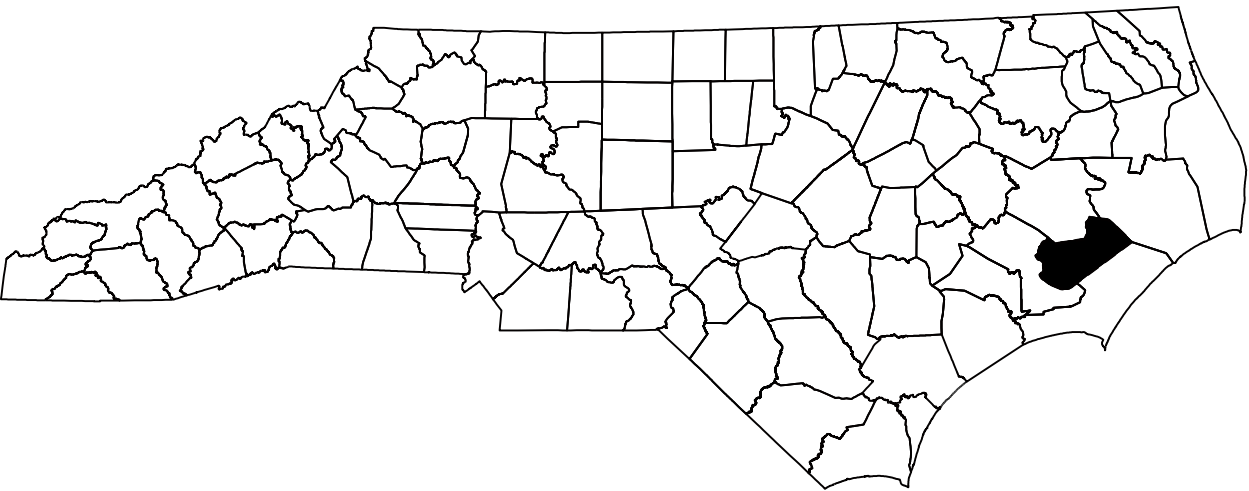
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

PLAN FOR PROPOSED  
HIGHWAY EROSION CONTROL

PAMLICO COUNTY

LOCATION: *REPLACE STRUCTURE 680078 (FERRY RAMP) OVER THE NEUSE RIVER ON NC 306 AT THE MINNESOTT EACH FERRY TERMINAL*  
TYPE OF WORK: *GRADING, PAVING, DRAINAGE, AND STRUCTURES*

|                 |                             |             |              |
|-----------------|-----------------------------|-------------|--------------|
| STATE           | STATE PROJECT REFERENCE NO. | SHEET NO.   | TOTAL SHEETS |
| N.C.            | BR-0173                     | EC-11       |              |
| STATE PROJ. NO. | F. A. PROJ. NO.             | DESCRIPTION |              |
| 67173.1.1       |                             | PE          |              |
| 67173.2.1       |                             | R/W         |              |
| 67173.2.2       |                             | UTIL.       |              |
| 51815.3.1       | RAMP078                     | CONST.      |              |
|                 |                             |             |              |
|                 |                             |             |              |
|                 |                             |             |              |



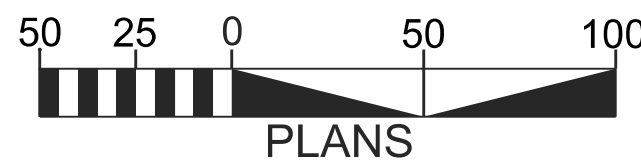
THIS PROJECT CONTAINS  
EROSION CONTROL PLANS  
FOR CLEARING AND  
GRUBBING PHASE OF  
CONSTRUCTION.

THIS PROJECT HAS  
BEEN DESIGNED TO  
SENSITIVE WATERSHED  
STANDARDS.

ENVIRONMENTALLY  
SENSITIVE AREA(S) EXIST  
ON THIS PROJECT

Refer To E. C. Special Provisions  
for Special Considerations.

GRAPHIC SCALE



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:  
SUNGATE DESIGN GROUP, P.A.



905 JONES FRANKLIN ROAD  
RALEIGH, NORTH CAROLINA 27606  
TEL (919) 858-2243  
ENG FIRM LICENSE NO. C-890

2024 STANDARD SPECIFICATIONS

Designed by:

MATTHEW C. EDWARDS, PE 3992

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.



DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

EROSION & SEDIMENT CONTROL LEGEND

| Std. #  | Description                      | Symbol |
|---------|----------------------------------|--------|
| 1605.01 | Temporary Silt Fence             |        |
| 1606.01 | Special Sediment Control Fence   |        |
| 1622.01 | Temporary Berms and Slope Drains |        |
| 1630.02 | Silt Basin Type B                |        |
| 1630.03 | Temporary Silt Ditch             |        |
| 1630.04 | Stilling Basin                   |        |
| 1630.05 | Temporary Diversion              |        |
| 1630.06 | Special Stilling Basin           |        |
| 1630.07 | Skimmer Basin                    |        |
| 1630.08 | Tiered Skimmer Basin             |        |
| 1630.09 | Earthen Dam with Skimmer         |        |
|         | Infiltration Basin               |        |
|         | Rock Inlet Sediment Trap:        |        |
| 1632.01 | Type A                           |        |
| 1632.02 | Type B                           |        |
| 1632.03 | Type C                           |        |

| Std. #  | Description                                                            | Symbol |
|---------|------------------------------------------------------------------------|--------|
| 1633.01 | Temporary Rock Silt Check Type A                                       |        |
| 1633.02 | Temporary Rock Silt Check Type B                                       |        |
| 1633.03 | Temporary Rock Silt Check Type A with Excelsior Matting and Flocculant |        |
| 1634.01 | Temporary Rock Sediment Dam Type A                                     |        |
| 1634.02 | Temporary Rock Sediment Dam Type B                                     |        |
| 1635.01 | Rock Pipe Inlet Sediment Trap Type A                                   |        |
| 1635.02 | Rock Pipe Inlet Sediment Trap Type B                                   |        |
| 1636.01 | Excelsior Wattle Check                                                 |        |
| 1636.01 | Excelsior Wattle Check with Flocculant                                 |        |
| 1636.01 | Coir Fiber Wattle Check                                                |        |
| 1636.01 | Coir Fiber Wattle Check with Flocculant                                |        |
| 1636.02 | Silt Fence Excelsior Wattle Break                                      |        |
|         | Silt Fence Coir Fiber Wattle Break                                     |        |
| 1636.03 | Excelsior Wattle Barrier                                               |        |
| 1636.03 | Coir Fiber Wattle Barrier                                              |        |

BR-0173

EC-02

NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROADSIDE ENVIRONMENTAL UNIT

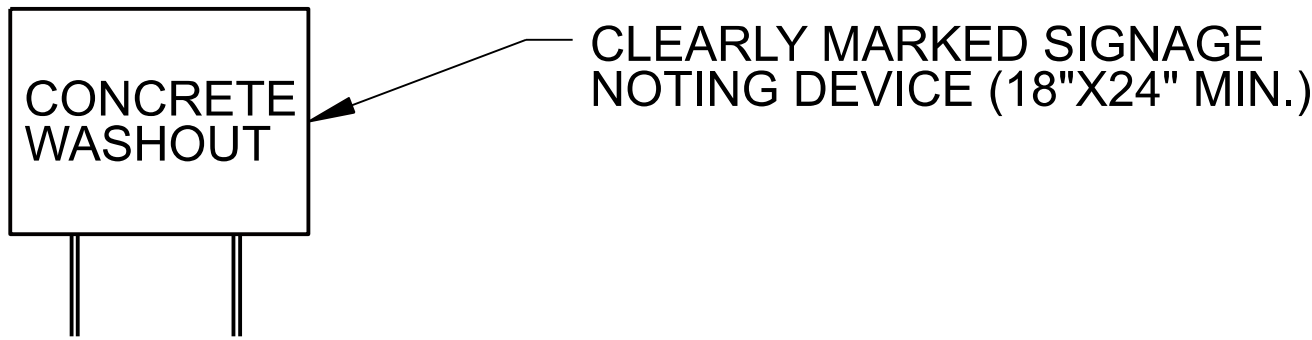
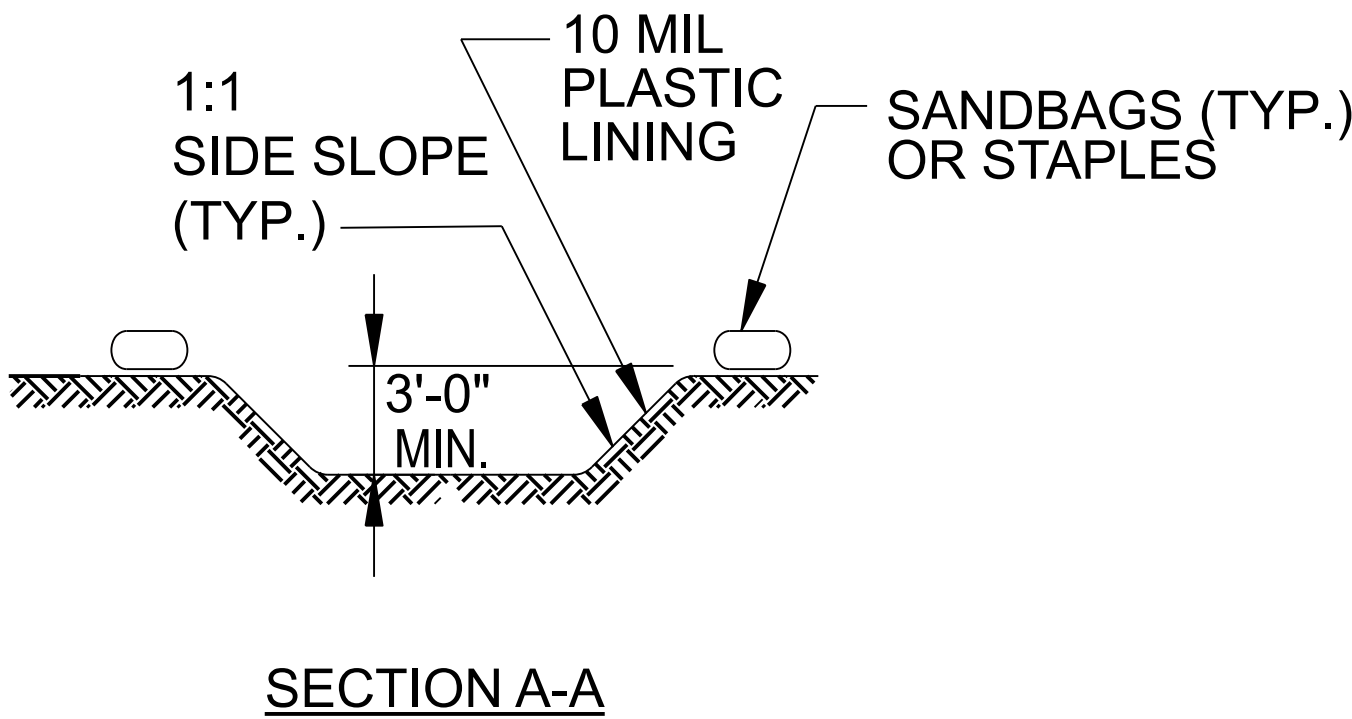
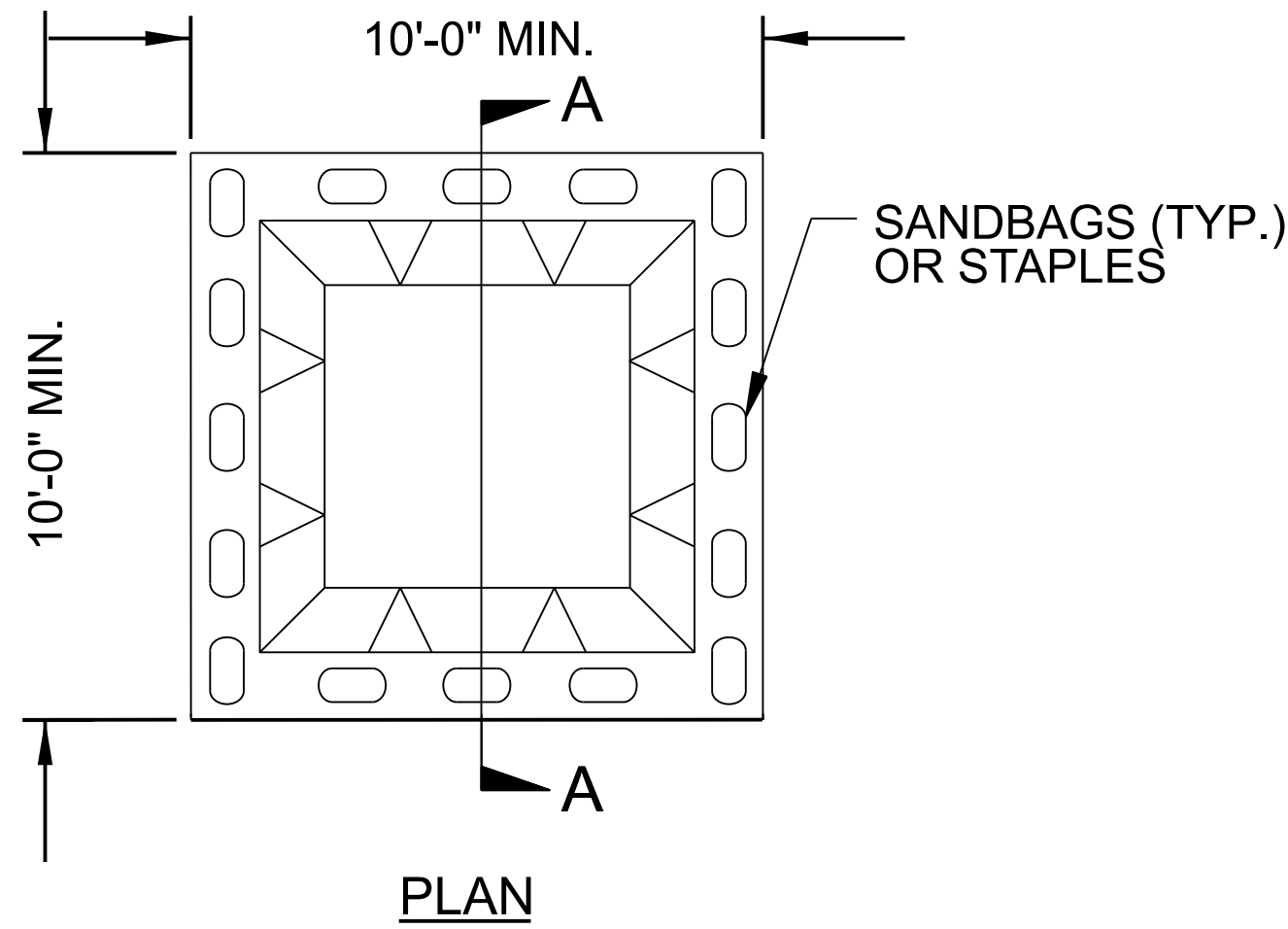
SUNGATE DESIGN GROUP, P.A.

800 POWER FRANKLIN ROAD  
DURHAM, NORTH CAROLINA 27605  
TEL: 919.286.0000  
WWW.SUNGATEDESIGN.COM

REVISIONS

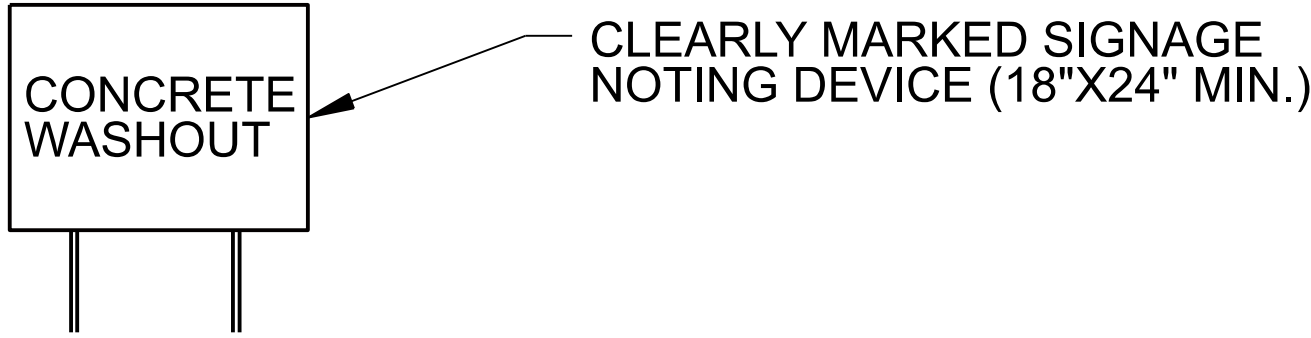
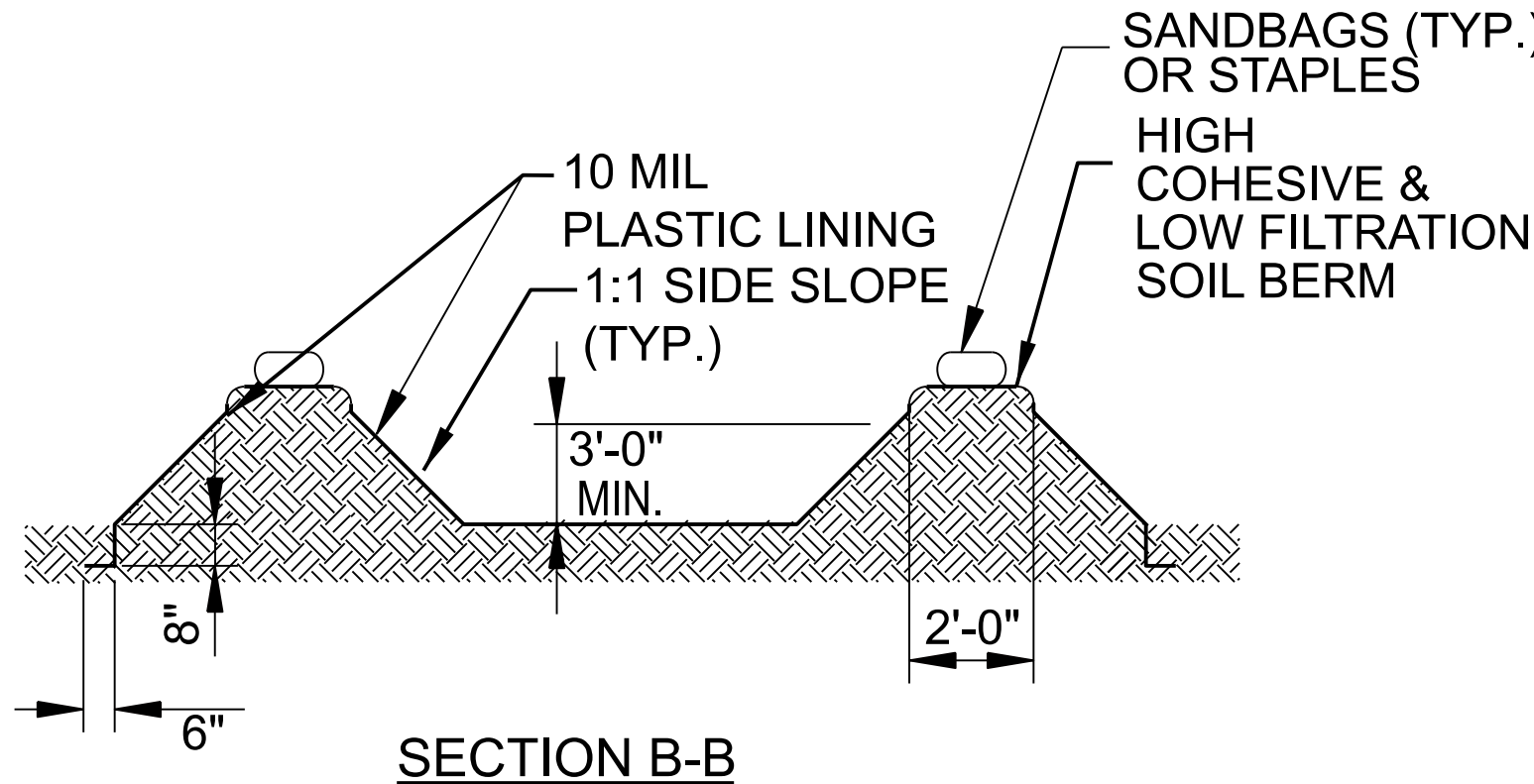
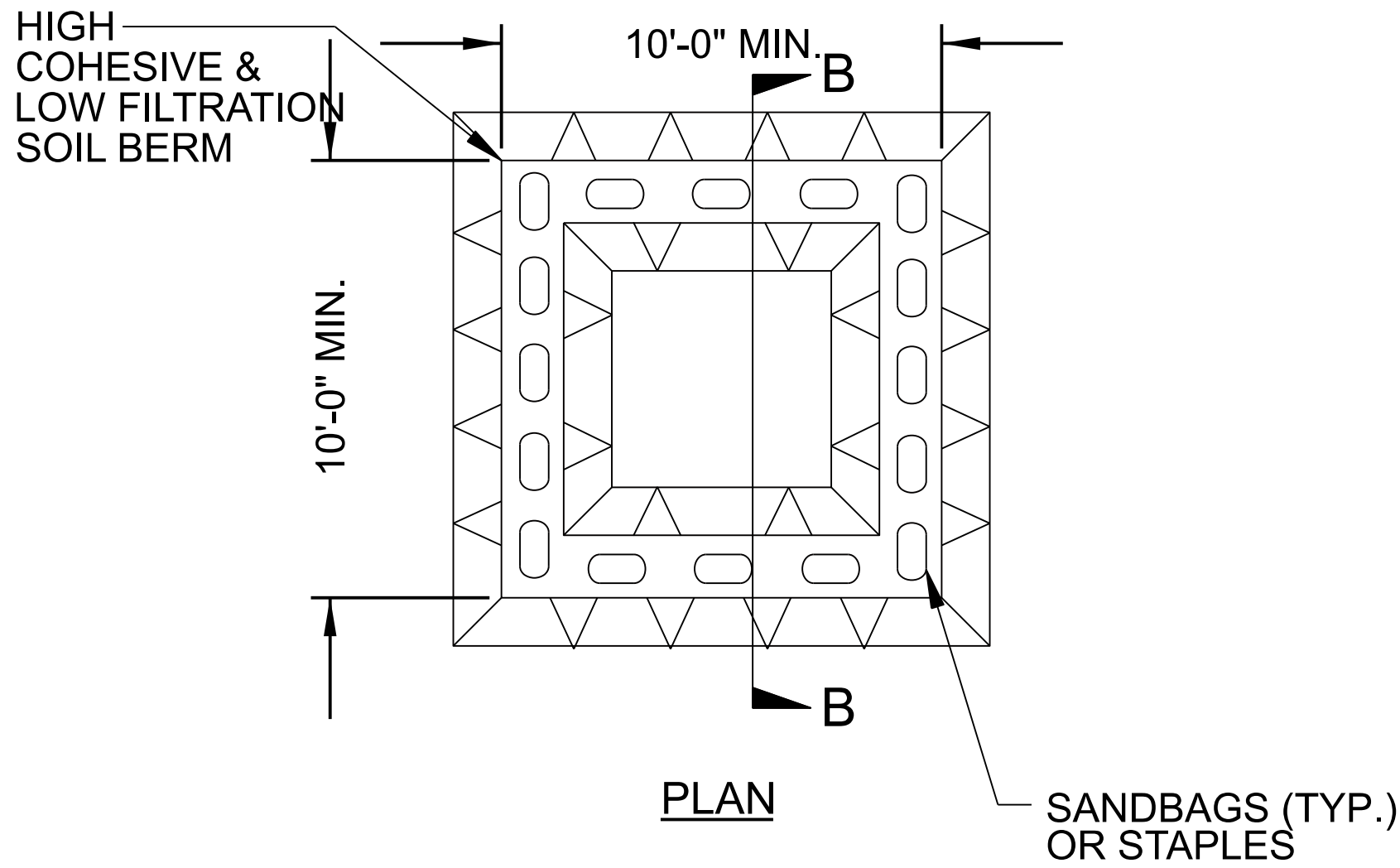


# ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER



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

- 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.



# SOIL STABILIZATION SUMMARY SHEET

## MATting for Erosion Control (Excelsior)

[illegible][illegible]



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.<br>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                                                                               |

BR-0173

EC-03A

NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION



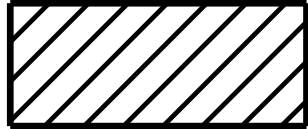
ROADSIDE ENVIRONMENTAL UNIT

SUNGATE DESIGN GROUP, P.A.



602 JONES FARM RD. SUITE 200  
DURHAM, NORTH CAROLINA 27705  
(919) 488-1000  
EEO/AAE/DFW LICENSE NO. C-489

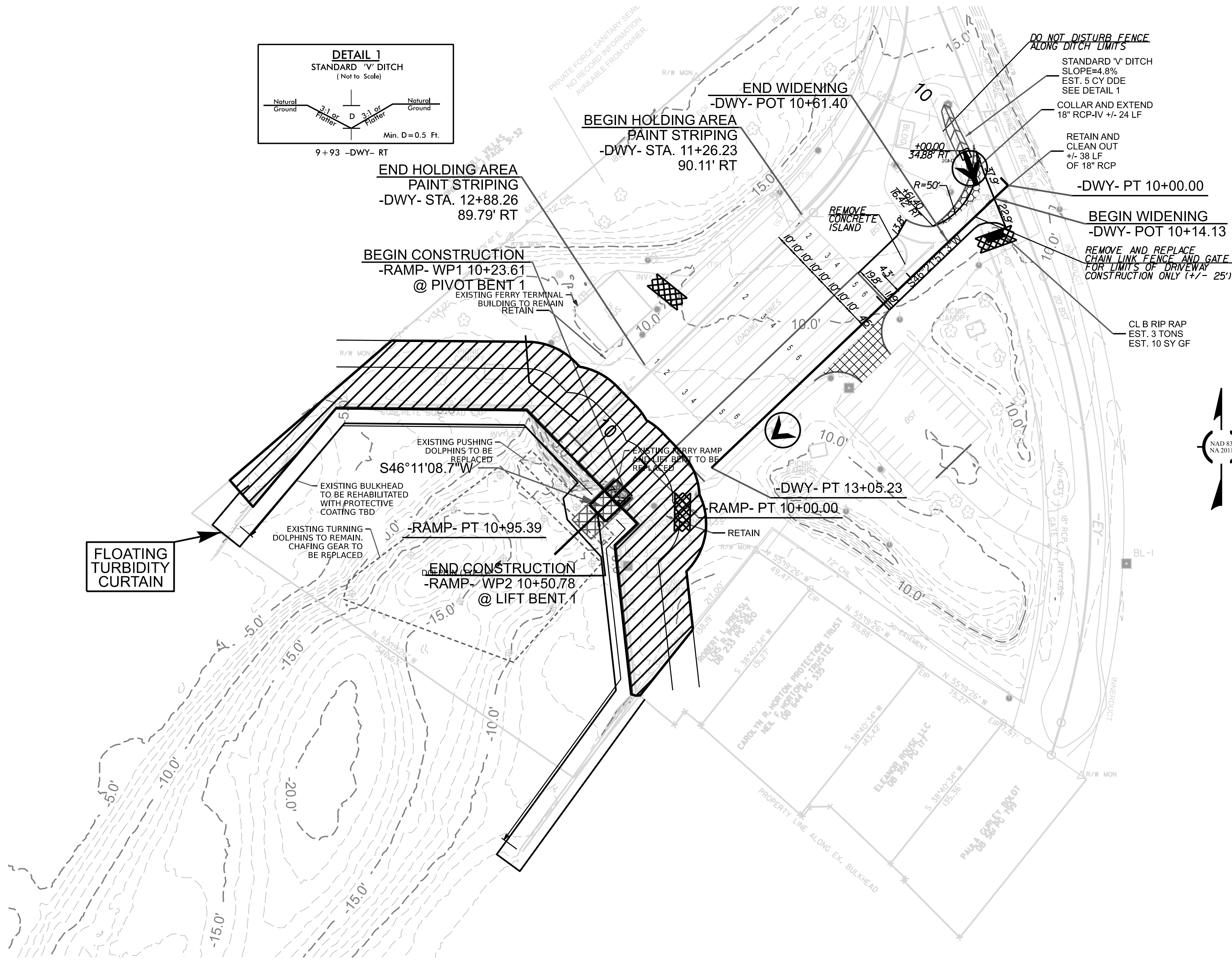


 ENVIRONMENTALLY SENSITIVE AREA  
SEE PROJECT SPECIAL PROVISIONS

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

0' 10' 50'  
Scale: 1"= 50'





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

FINAL GRADING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 04

0' 10' 50'  
Scale: 1"= 50'

BR-0173

EC-05/004

NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROADSIDE ENVIRONMENTAL UNIT

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REVISIONS

