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C191

**PROJECT** LOCATION, C207 VICINITY MAP

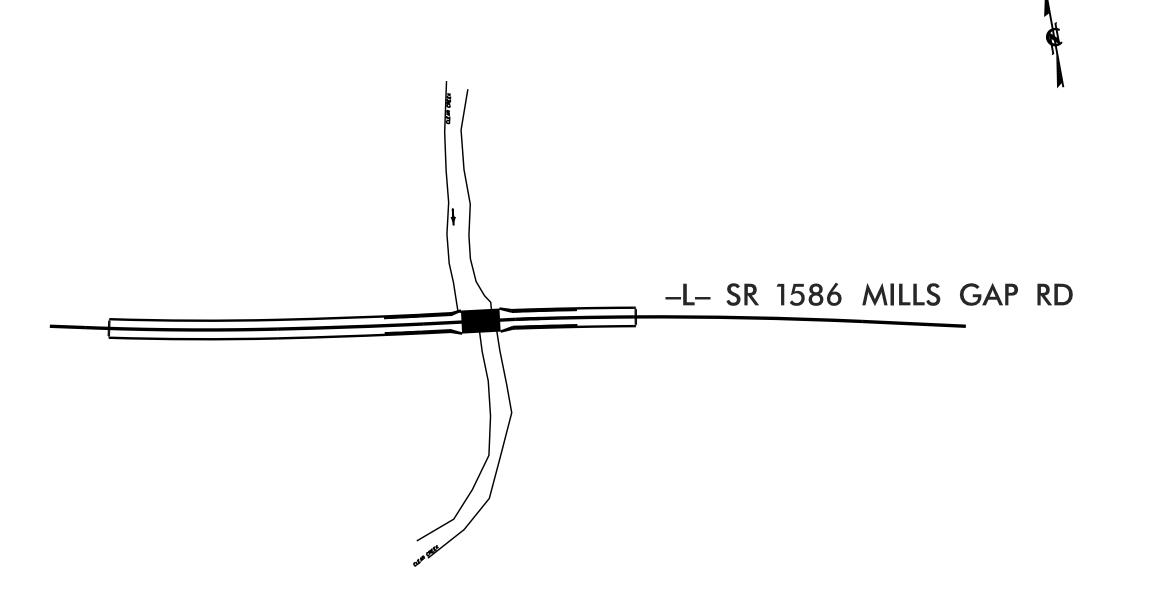
## STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

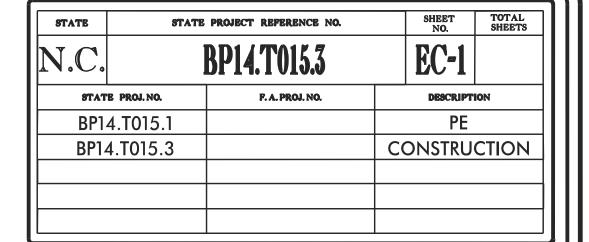
PLAN FOR PROPOSED HIGHWAY EROSION CONTROL

## HENDERSON COUNTY

LOCATION: BRIDGE NO.36 ON SR 1586(MILLS GAP ROAD) OVER CLEAR CREEK

TYPE OF WORK: BRIDGE SUBSTRUCTURE





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 APPLICABLE REGULATIONS SET FORTH BY THE NCG-010000 GENERAL CONSTRUCTION PERMIT ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF ENERGY, MINERAL AND LAND RESOURCES. Prepared in the Office of:

#### DIVISION OF HIGHWAYS

253 WEBSTER RD. SYLVA, NC 28779

2024 STANDARD SPECIFICATIONS

Designed by:

DREW RIVENBARK, EI

*NAME* 

4342

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

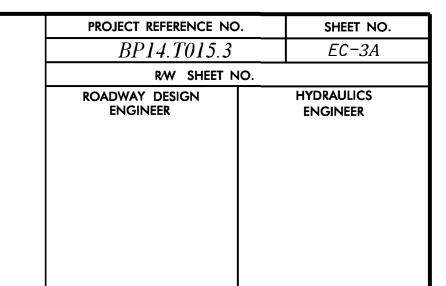
| PROJECT REFERENCE NO.      |  | SHEET NO.              |
|----------------------------|--|------------------------|
| BP14.T015.3                |  | EC-02                  |
|                            |  |                        |
| ROADWAY DESIGN<br>ENGINEER |  | HYDRAULICS<br>ENGINEER |
|                            |  |                        |

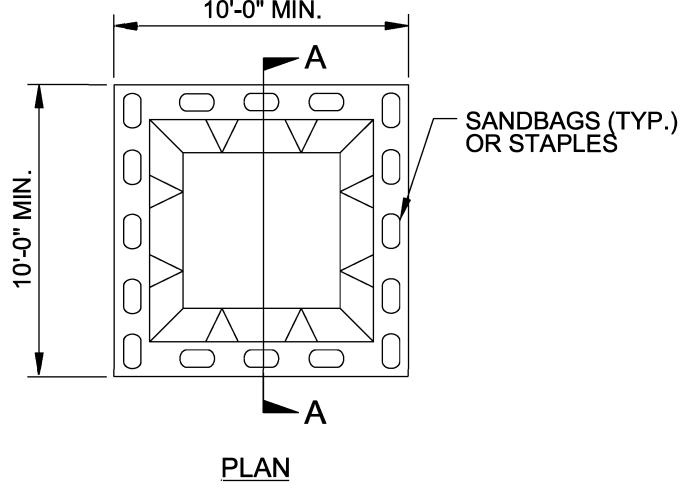
# EROSION & SEDIMENT CONTROL LEGEND

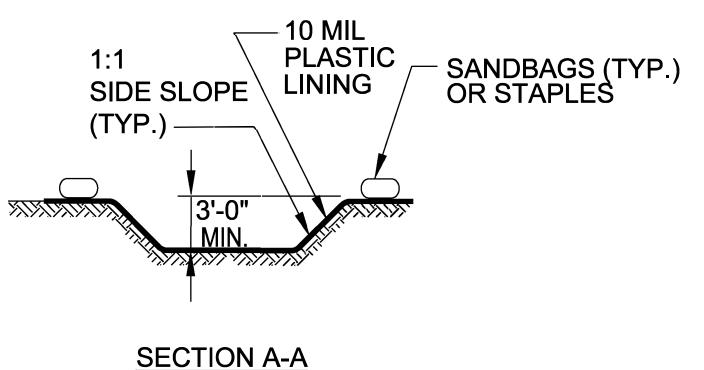
| <u>Std. #</u> | Description                      | Symbol       | Std. #  | <u>Description</u>   | <u>Symbol</u>     |
|---------------|----------------------------------|--------------|---------|--|-------------------|
| 1605.01       | Temporary Silt Fence             | <del></del>  | 1633.01 | Temporary 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 | <b>T</b> — — | 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                                     | <del>538553</del> |
| 1630.03       | Temporary Silt Ditch             | TSD          | 1634.02 | Temporary Rock Sediment Dam Type B                                     |                   |
| 1630.04       | Stilling Basin                   |              | 1635.01 | Rock Pipe Inlet Sediment Trap Type A                                   | A                 |
| 1630.05       | Temporary Diversion              | —— TD ——     | 1635.02 | Rock Pipe Inlet Sediment Trap Type B                                   | 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                                      | - EW-             |
| 4000 04       | Rock Inlet Sediment Trap:        | A 80000008   |         | Silt Fence Coir Fiber Wattle Break                                     | +CFW-             |
| 1632.01       |                                  | A            | 1636.03 | Excelsior Wattle Barrier   | EWEW              |
| 1632.02       | Type B                           | B            |         |  |                   |
| 1632.03       | Type C                           |              | 1636.03 | Coir Fiber Wattle Barrier  | —CFW—CFW—CFW—     |

## ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER









CLEARLY MARKED SIGNAGE NOTING DEVICE (18"X24" MIN.) CONCRETE WASHOUT

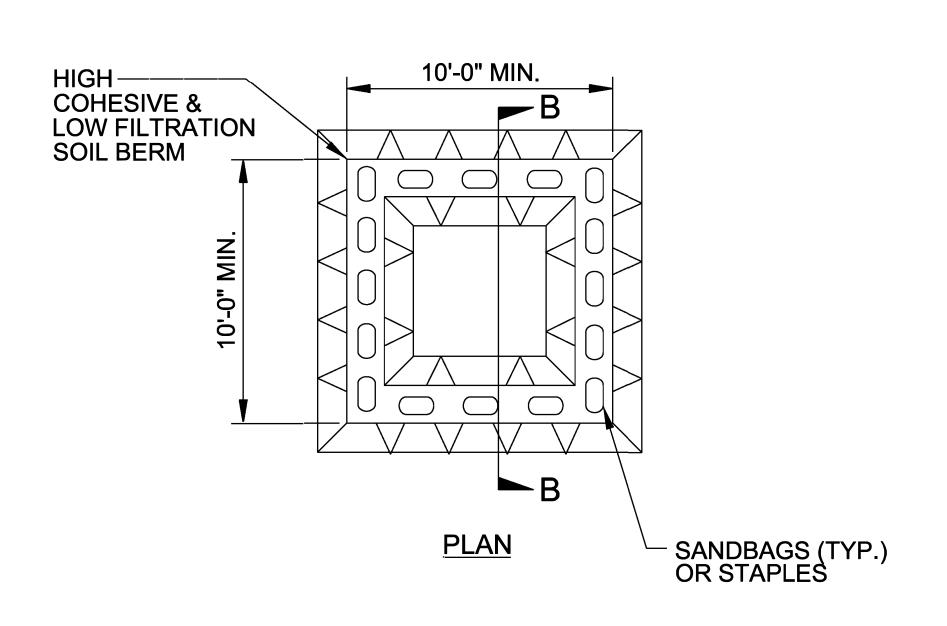
#### BELOW GRADE WASHOUT STRUCTURE

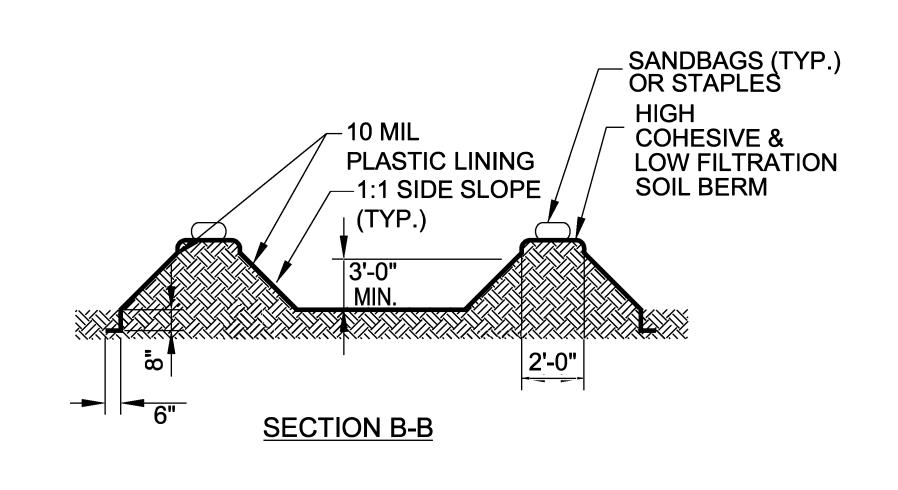
NOT TO SCALE

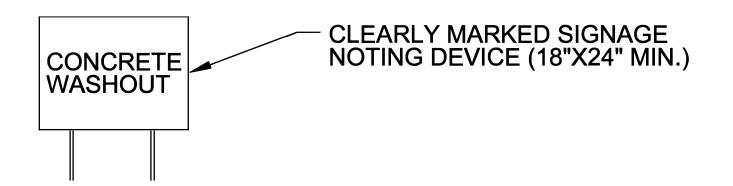
1. ACTUAL LOCATION DETERMINED IN FIELD

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 CLEARY MARKED WITH SIGNAGE NOTING DEVICE.







### 1. ACTUAL LOCATION DETERMINED IN FIELD

NOTES:

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 CLEARY MARKED WITH SIGNAGE NOTING DEVICE.

ABOVE GRADE WASHOUT STRUCTURE NOT TO SCALE

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

|  | PROJECT REFERENCE NO.  BP14.T015.3 |  | SHEET NO.              |
|--|------------------------------------|--|------------------------|
|  |                                    |  | EC-3B                  |
|  |                                    |  |                        |
|  | ROADWAY DESIGN<br>ENGINEER         |  | HYDRAULICS<br>ENGINEER |
|  |                                    |  |                        |

# 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:I TO 4:I                            | I4 DAYS            | 7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH WITH SLOPES STEEPER THAN 4:1.             |
| SLUIES JEITO 4EI                             |                    | 7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES PERIMETER SLOPES, AND HOW ZONES            |
| ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1 | I4 DAYS            | 7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES PERIMETER SLOPES, AND HOW ZONES            |