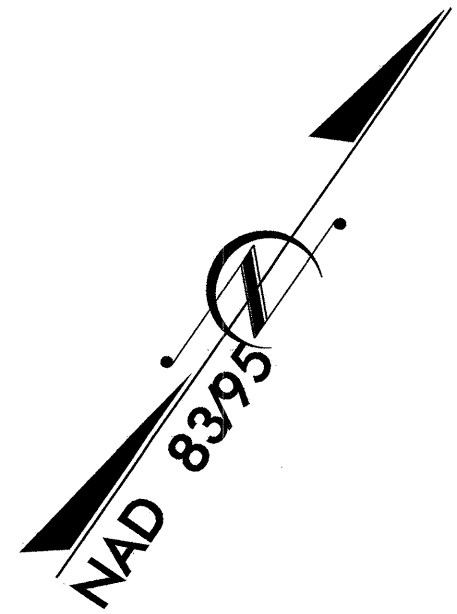


|                 |                             |             |              |
|-----------------|-----------------------------|-------------|--------------|
| STATE           | STATE PROJECT REFERENCE NO. | SHEET NO.   | TOTAL SHEETS |
| N.C.            | B-4567                      | EC-1        |              |
| STATE PROJ. NO. | F.A. PROJ. NO.              | DESCRIPTION |              |
|                 |                             |             |              |
|                 |                             |             |              |
|                 |                             |             |              |

**TIP PROJECT: B-4567**

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

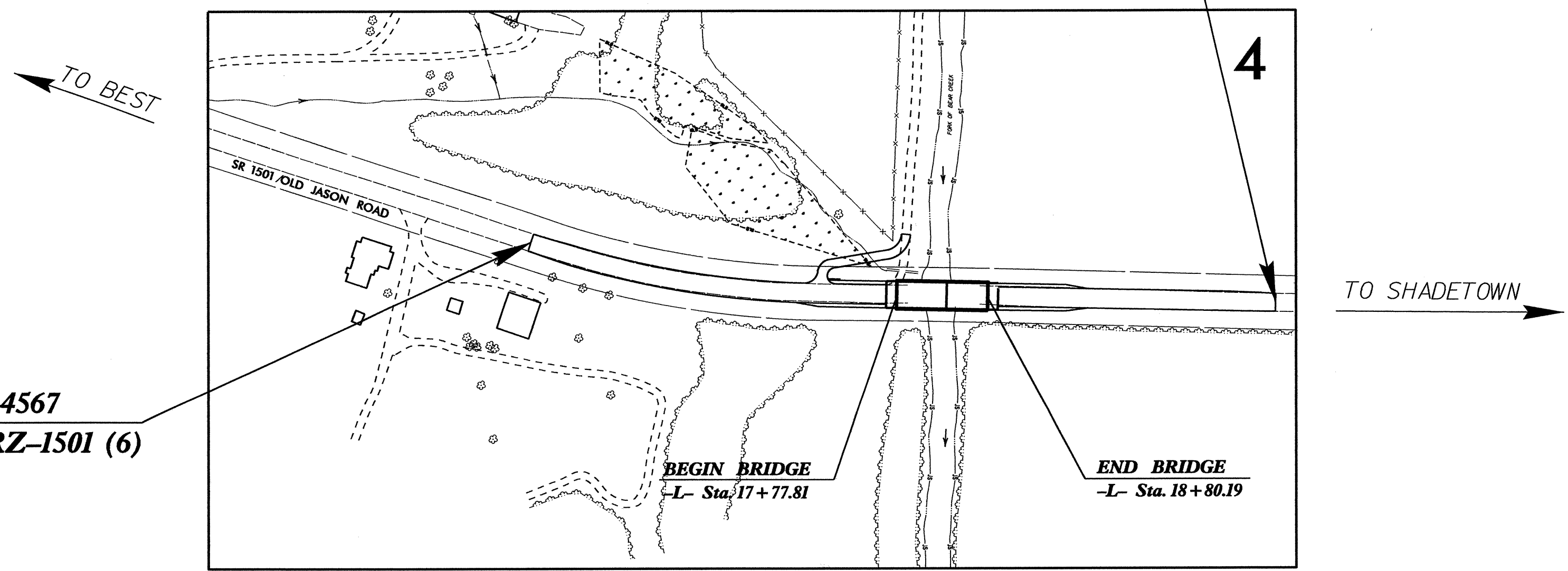
**LOCATION: REPLACEMENT OF BRIDGE No. 69 ON SR 1501  
 (OLD JASON ROAD) OVER A FORK OF WEST BEAR CREEK.  
 TYPE OF WORK: GRADING, PAVING, DRAINAGE, AND STRUCTURE.**



**EROSION AND SEDIMENT CONTROL MEASURES**

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

**END STATE PROJECT B-4567  
 END F.A. PROJECT No. BRZ-1501 (6)  
 -L- POT Sta. 22 + 00.00**



**BEGIN STATE PROJECT B-4567  
 BEGIN F.A. PROJECT No. BRZ-1501 (6)  
 -L- POT Sta. 13 + 65.00**

**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**

0 [Scale Bar]

**PLANS**

0 [Scale Bar]

**PROFILE (HORIZONTAL)**

0 [Scale Bar]

**PROFILE (VERTICAL)**

**ROADSIDE ENVIRONMENTAL UNIT  
 DIVISION OF HIGHWAYS  
 STATE OF NORTH CAROLINA**

Prepared In the Office of:  
**ROADSIDE ENVIRONMENTAL UNIT**  
 1 South Wilmington St.  
 Raleigh, NC 27611  
**2006 STANDARD SPECIFICATIONS**

Roadway Standard Drawings

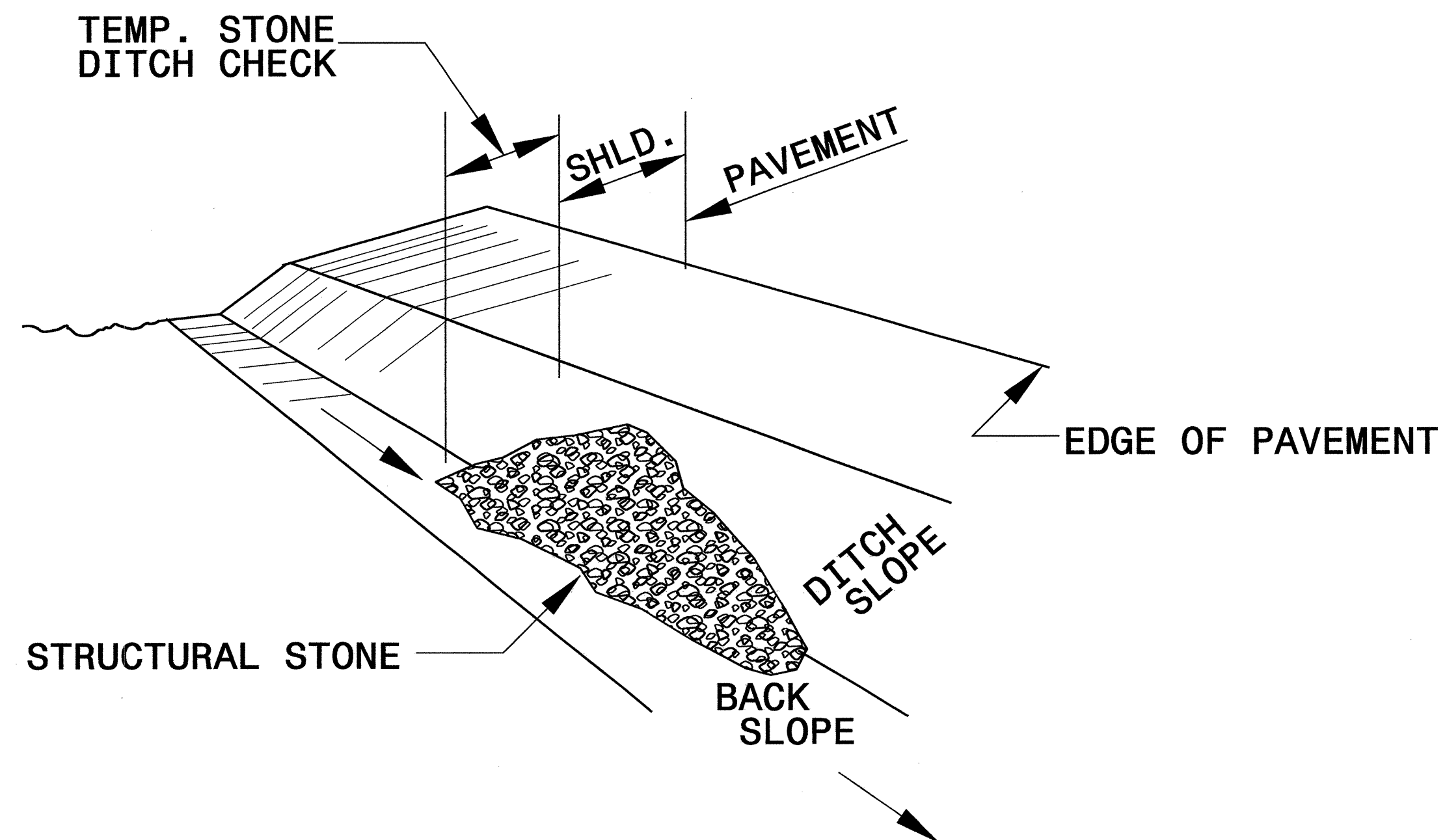
The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated July 18, 2006 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

|  |  |
|--|--|
| 1605.01 Temporary Silt Fence             | 1630.05 Temporary Diversion              |
| 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 |  |

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|                                 |                     |
|---------------------------------|---------------------|
| PROJECT REFERENCE NO.<br>B-4567 | SHEET NO.<br>EC-2   |
| RW SHEET NO.                    |                     |
| ROADWAY DESIGN ENGINEER         | HYDRAULICS ENGINEER |

# TEMPORARY ROCK SILT CHECK TYPE 'B' DETAIL

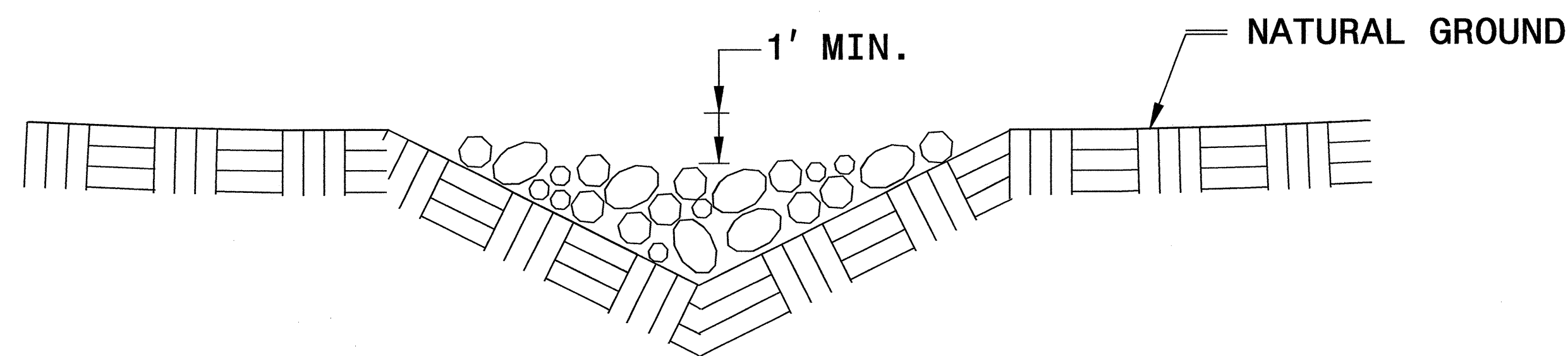


**ISOMETRIC VIEW**

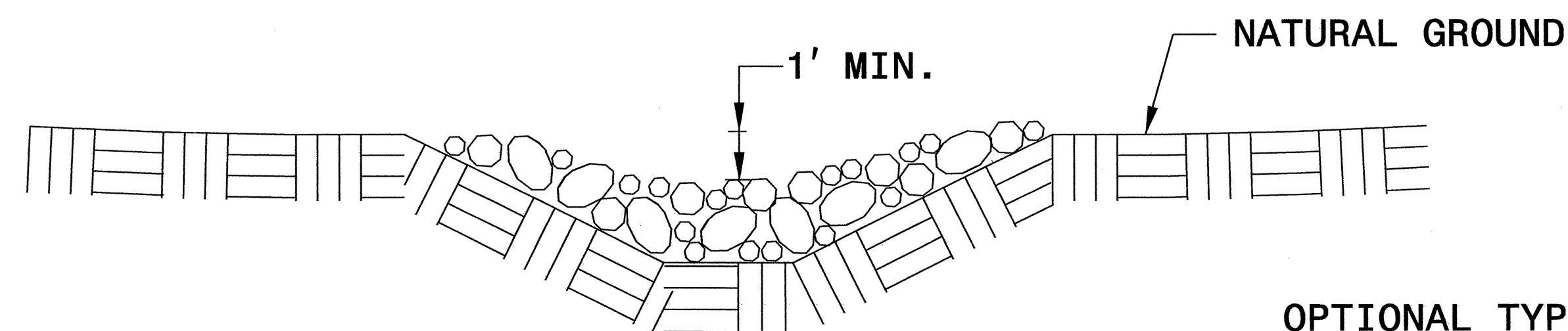
**NOTES:**

USE CLASS 'B' EROSION CONTROL STONE FOR STRUCTURAL STONE.

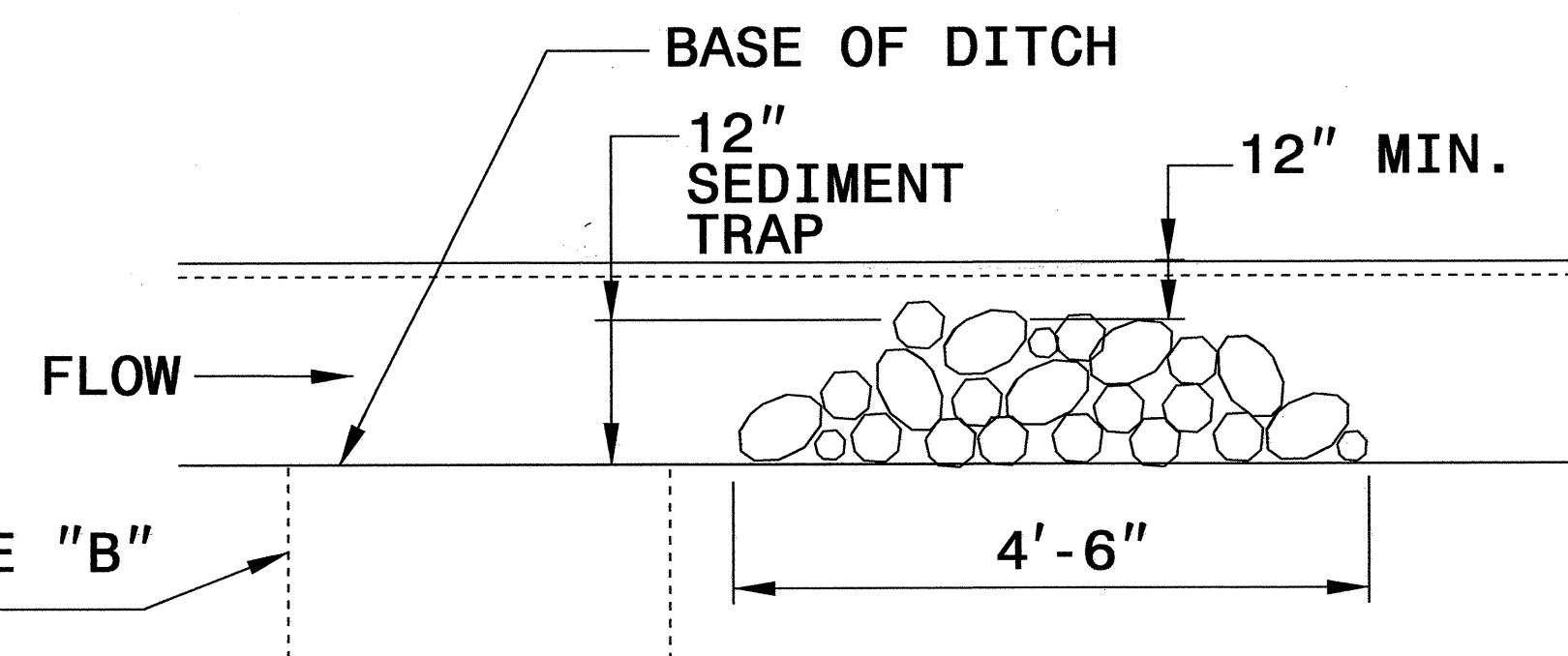
THE ENGINEER MAY DIRECT THE OPTION OF CLASS "A" STONE FOR SITES HAVING LESS THAN ONE (1) ACRE DRAINAGE AREA AND A DITCH GRADE LESS THAN 3%.



**CROSS SECTION VEE DITCH**



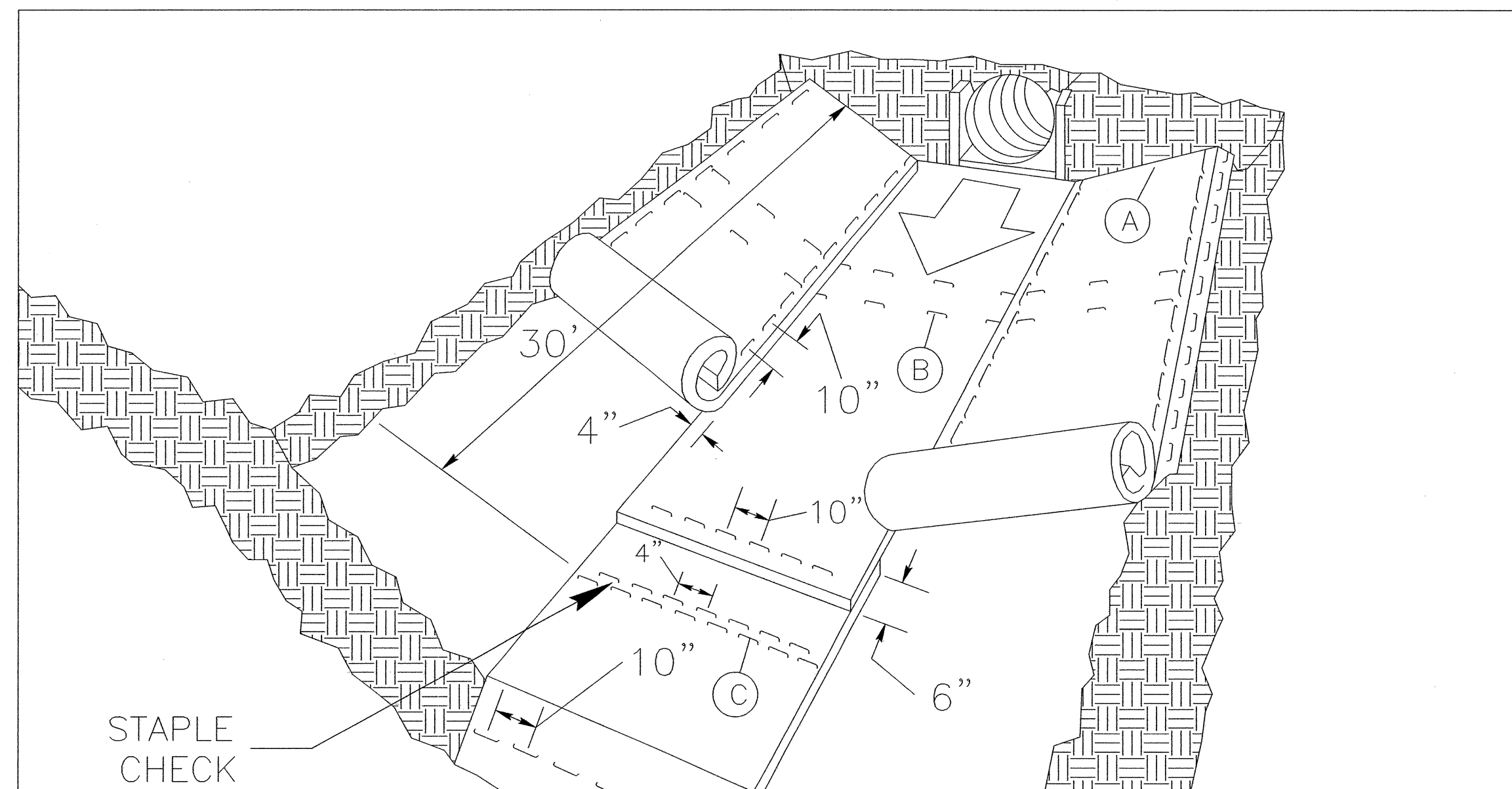
**CROSS SECTION TRAPEZOIDAL DITCH**



**ELEVATION VIEW**

|                                 |                     |
|---------------------------------|---------------------|
| PROJECT REFERENCE NO.<br>B-4567 | SHEET NO.<br>EC-2A  |
| RW SHEET NO.                    |                     |
| ROADWAY DESIGN ENGINEER         | HYDRAULICS ENGINEER |

# MATTING INSTALLATION DETAIL



**MATTING IN DITCHES**

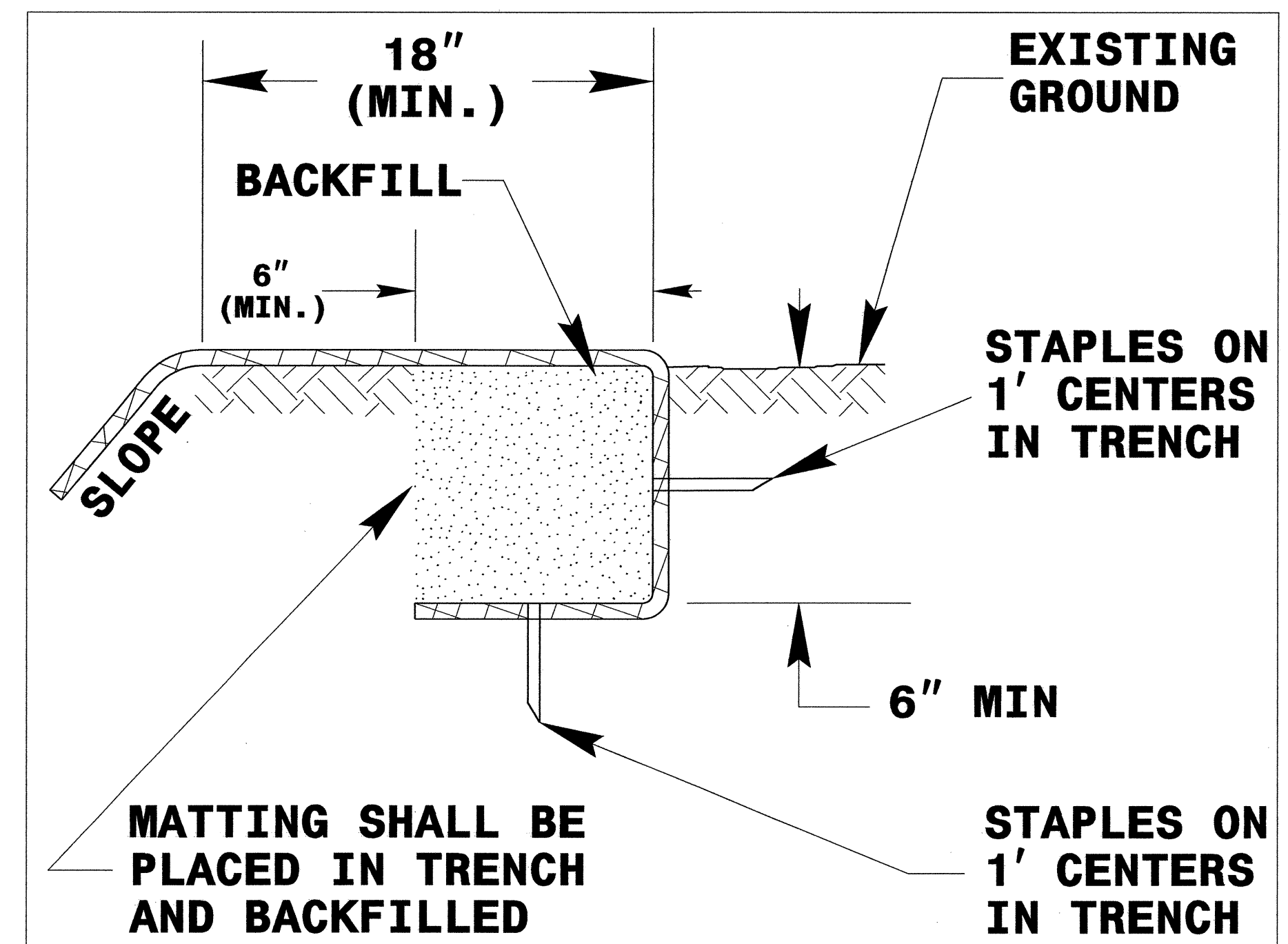
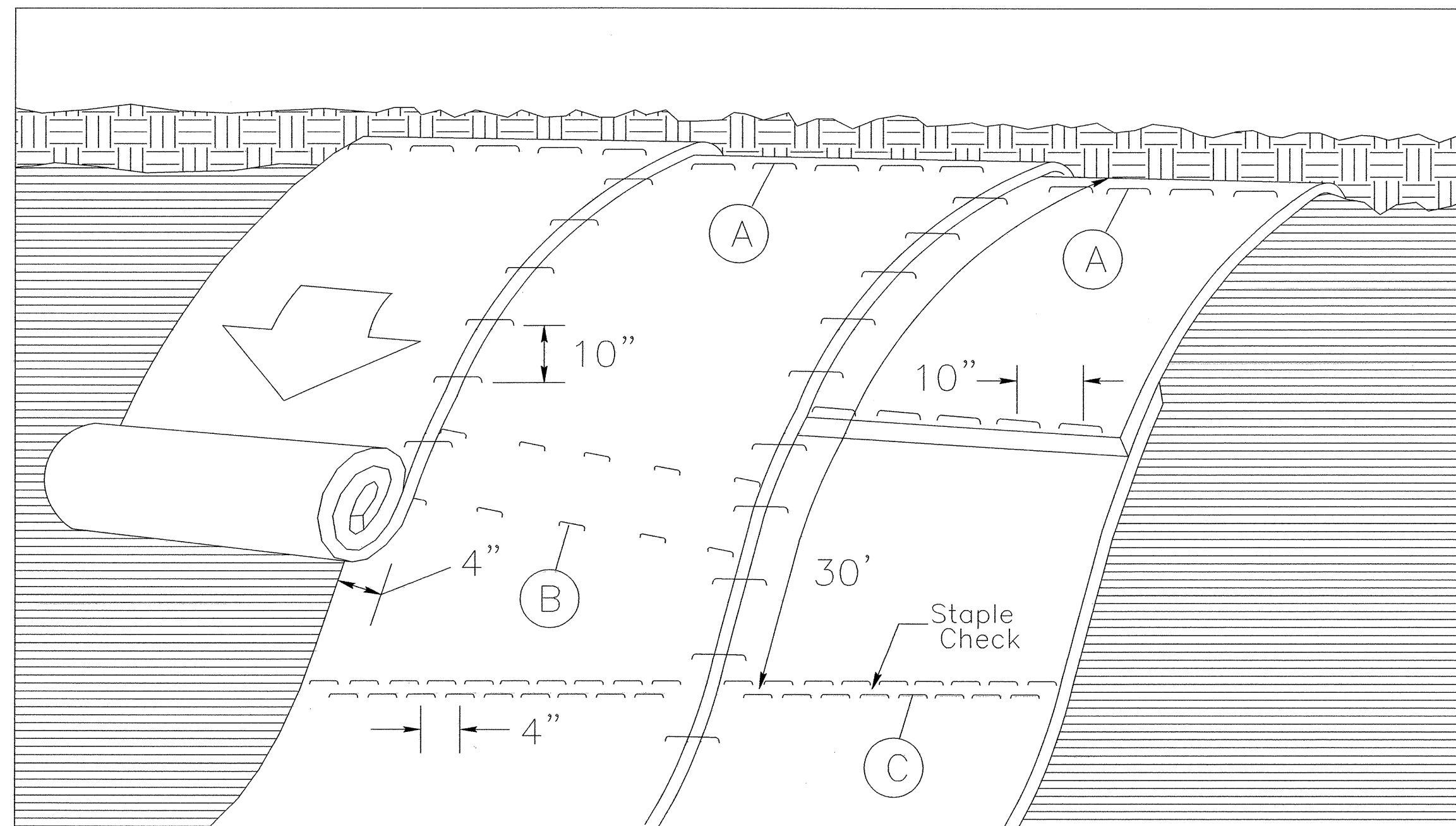


DIAGRAM (A)



**MATTING ON SLOPES**

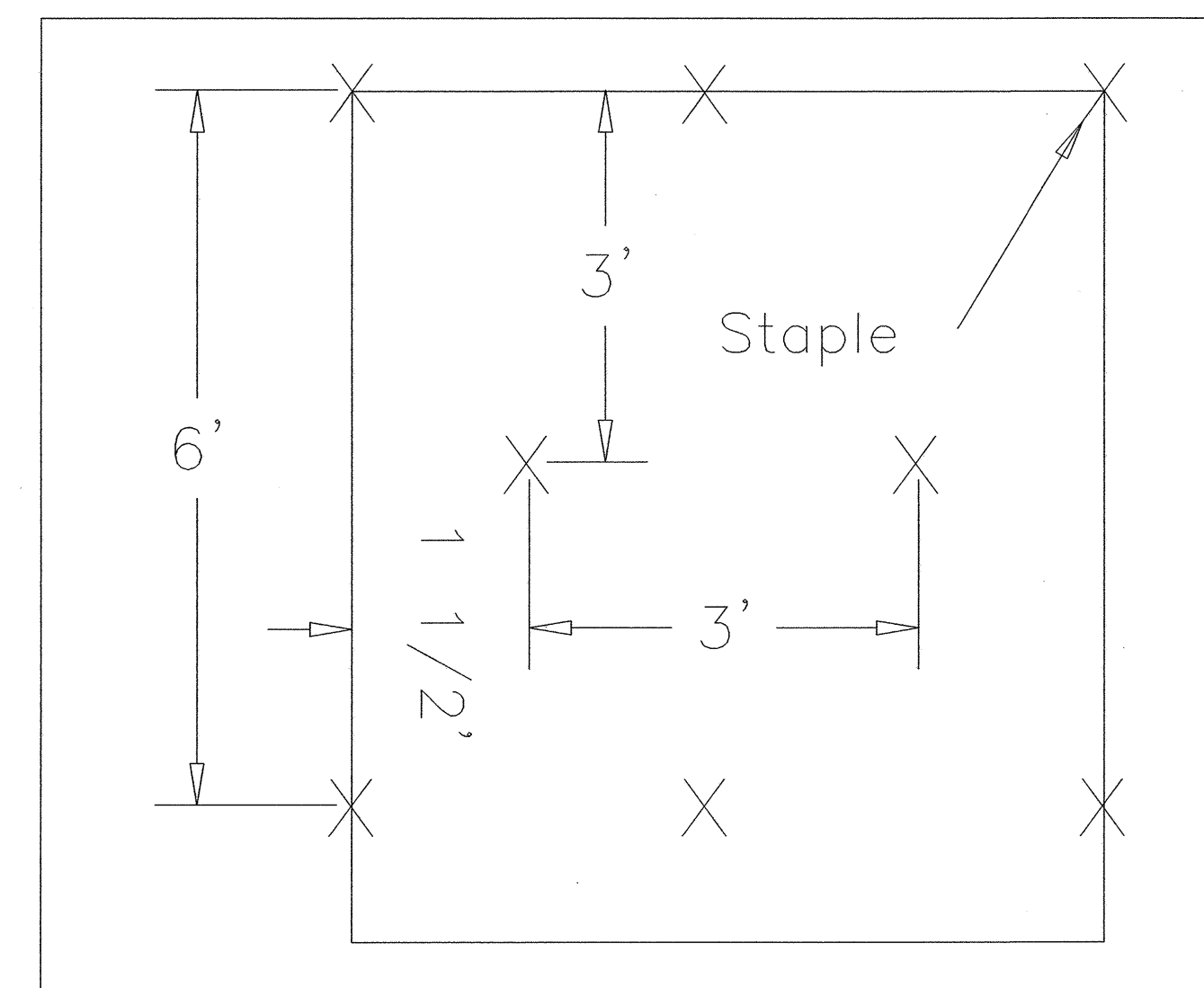


DIAGRAM (B)

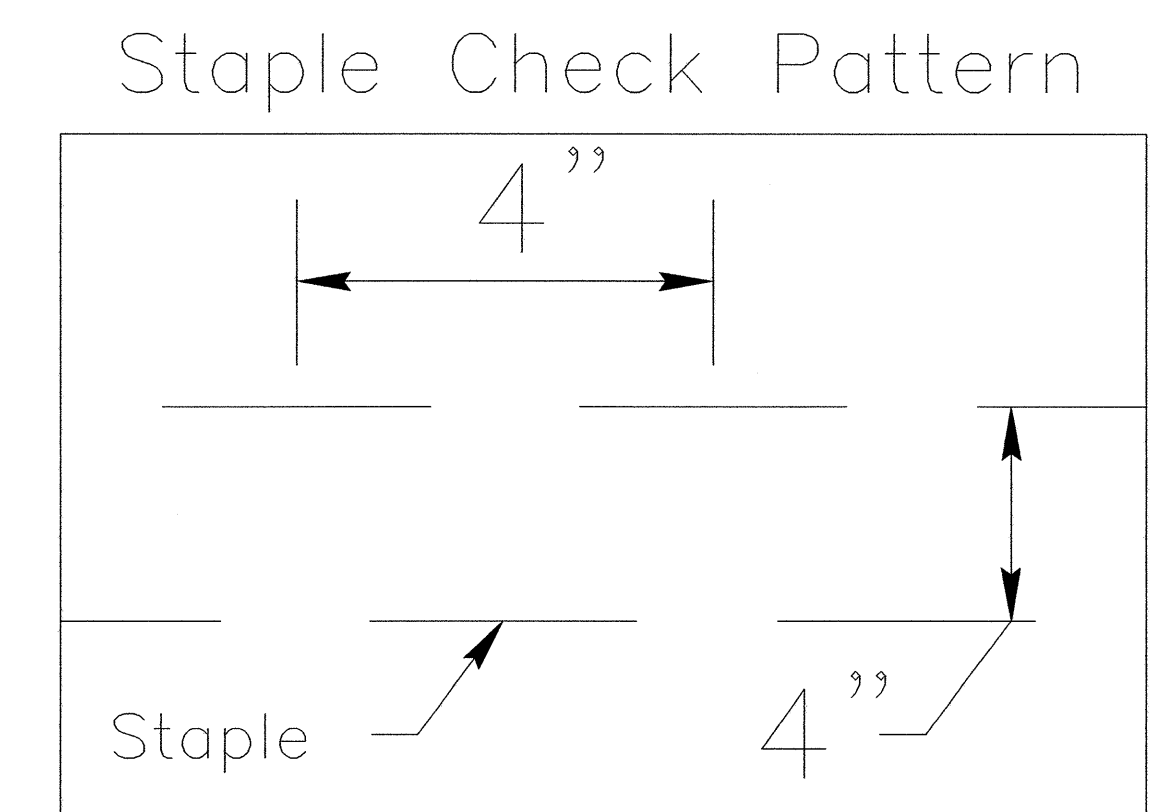


DIAGRAM (C)

**NOTES:**

THIS DETAIL APPLIES TO STRAW, EXCELSIOR, AND PERMANENT SOIL REINFORCEMENT MAT (PSRM) INSTALLATION.

STAPLES SHALL BE NO. 11 GAUGE STEEL WIRE FORMED INTO A "U" SHAPE WITH A MINIMUM THROAT WIDTH OF 1 INCH AND NOT LESS THAN 6 INCHES IN LENGTH.

NOT TO SCALE

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

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|  |                          |
|--|--------------------------|
| PROJECT REFERENCE NO.<br><i>B-4567</i> | SHEET NO.<br><i>EC-3</i> |
| ROADWAY DESIGN<br>ENGINEER             | HYDRAULICS<br>ENGINEER   |

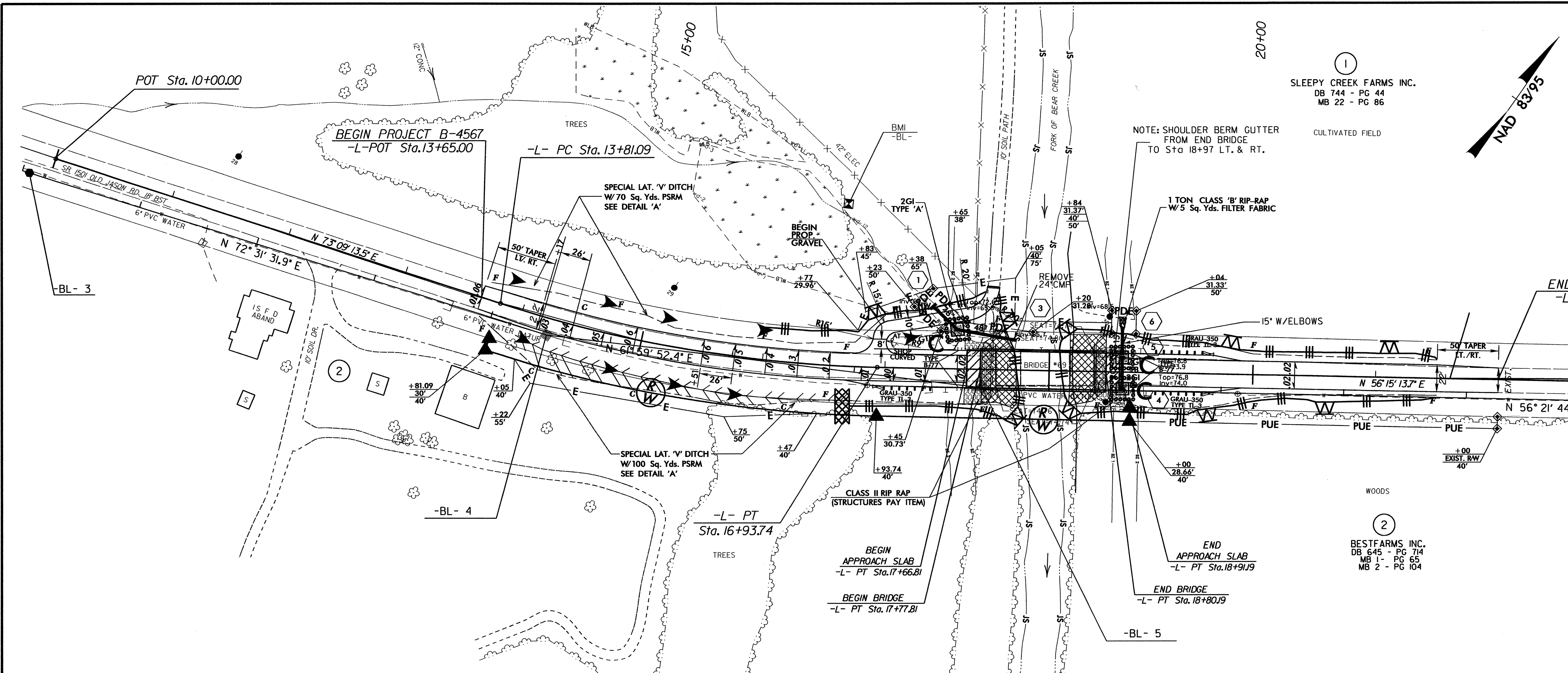
# ***SOIL STABILIZATION TIMEFRAMES***

| <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.   |

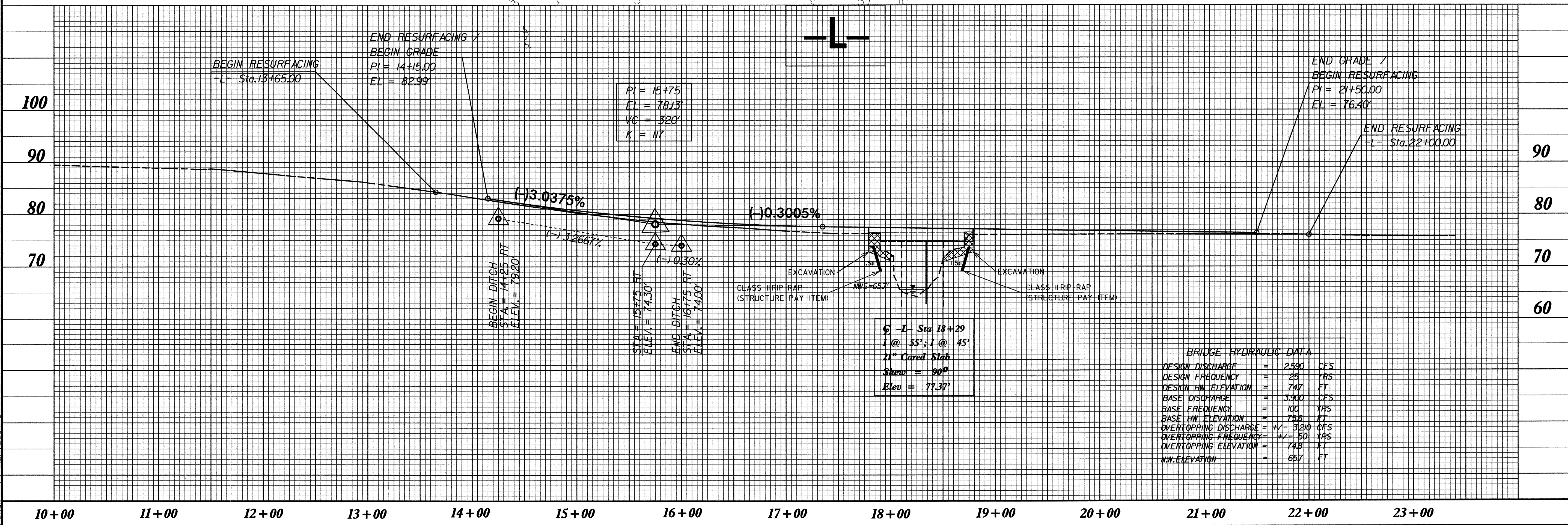
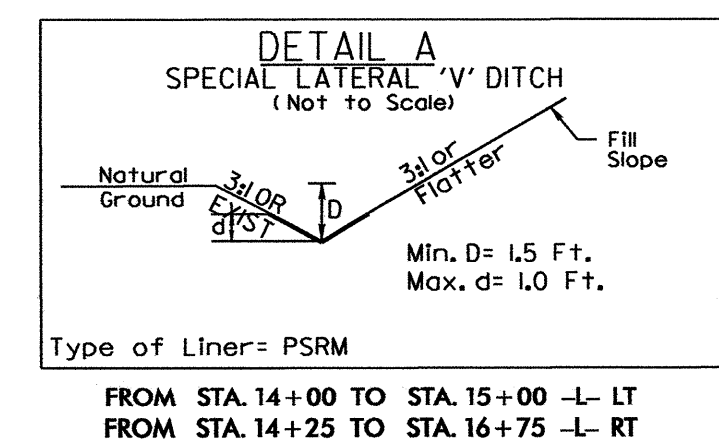
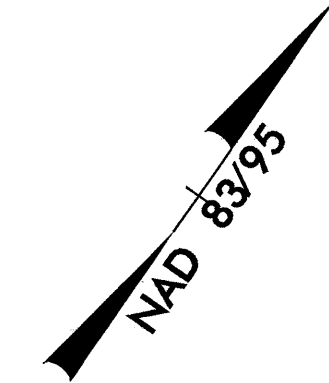


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|                                   |                             |
|-----------------------------------|-----------------------------|
| PROJECT REFERENCE NO.<br>B-4567   | SHEET NO.<br>EC-05/CONST.04 |
| RW SHEET NO.                      |                             |
| ROADWAY DESIGN ENGINEER           | HYDRAULICS ENGINEER         |
| UNCLASSIFIED STRUCTURE EXCAVATION |                             |
| CLASS II RIP-RAP                  |                             |



①  
SLEEPY CREEK FARMS INC.  
DB 744 - PG 44  
MB 22 - PG 86



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