

**TIP PROJECT: B-3684**

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

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PLAN FOR PROPOSED  
HIGHWAY EROSION CONTROL

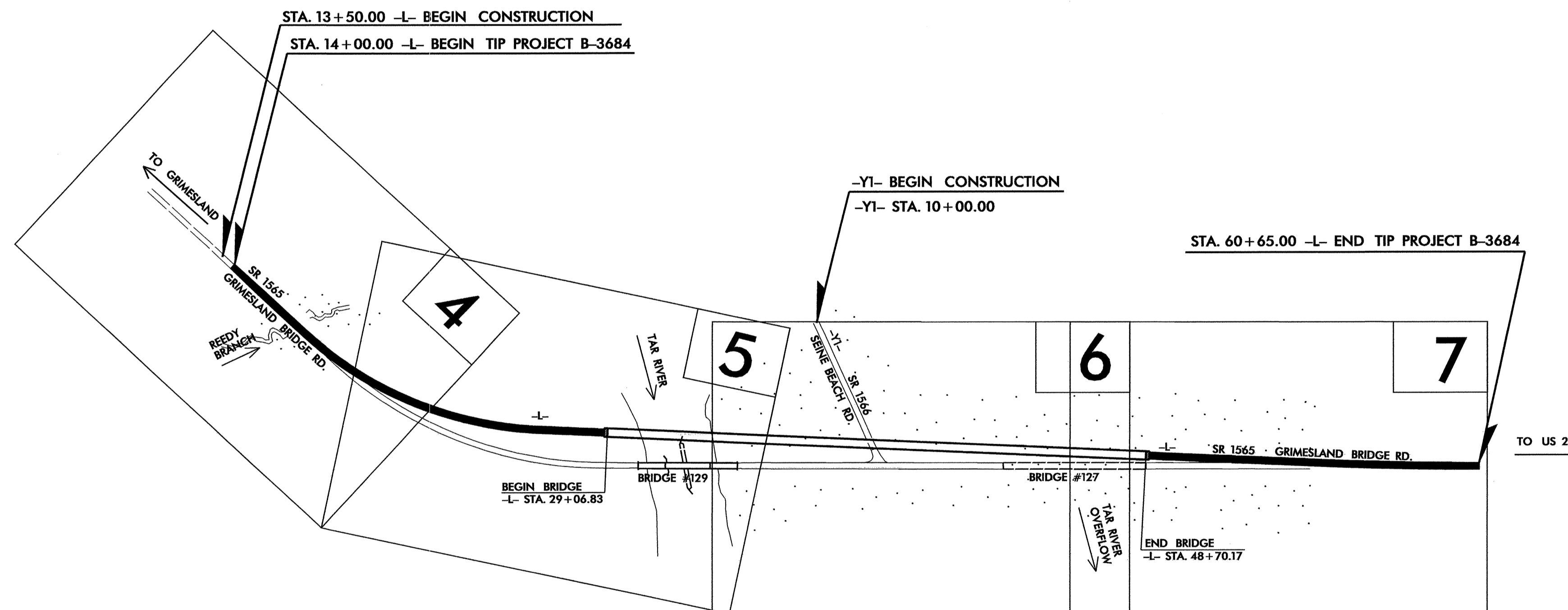
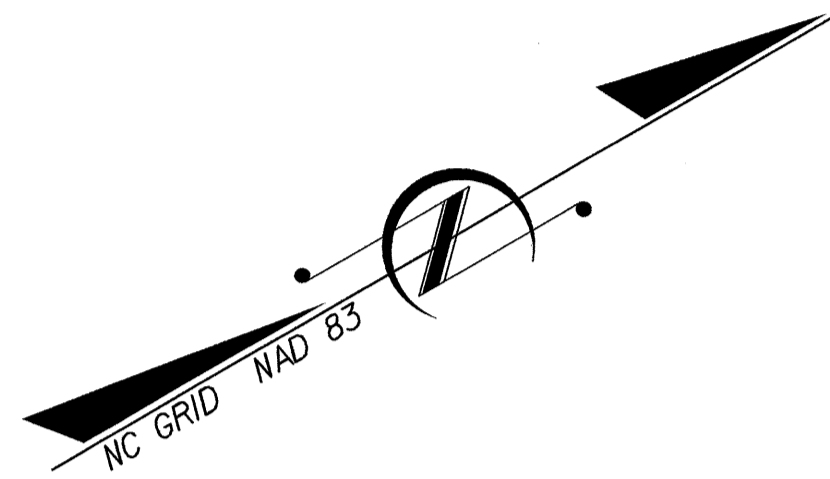
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**PITT COUNTY**

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**LOCATION: BRIDGE NO. 129 OVER TAR RIVER AND BRIDGE NO. 127 OVER TAR RIVER OVERFLOW ON SR 1565 (GRIMESLAND BRIDGE RD.)**

**TYPE OF WORK: PAVING, GRADING, DRAINAGE, AND STRUCTURE**



| STATE           | STATE PROJECT REFERENCE NO. | SHEET NO.   | TOTAL SHEETS |
|-----------------|-----------------------------|-------------|--------------|
| N.C.            | B-3684                      | EC-1        |              |
| STATE PROJ. NO. | F.A. PROJ. NO.              | DESCRIPTION |              |
|                 |                             |             |              |
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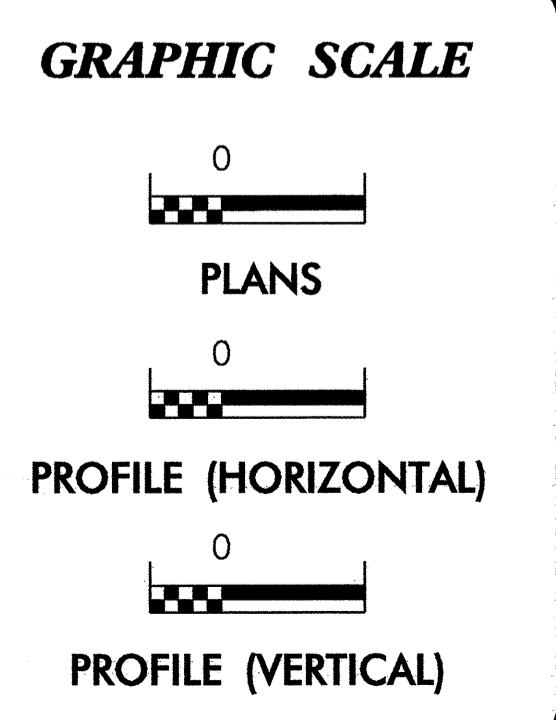
**EROSION AND SEDIMENT CONTROL MEASURES**

| Std. #  | Description                          | Symbol      |
|---------|--------------------------------------|-------------|
| 1630.05 | Temporary Silt Ditch                 | TD          |
| 1630.05 | Temporary Diversion                  | TD          |
| 1605.01 | Temporary Silt Fence                 | III III III |
| 1606.01 | Special Sediment Control Fence       | △△△△△       |
| 1622.01 | Temporary Berms and Slope Drains     | — T —       |
| 1630.01 | Riser Basin                          | ⊙           |
|         | Silt Basin Type B                    | ▨           |
| 1633.01 | Temporary Rock Silt Check Type-A     | ▨           |
|         | Temporary Rock Silt Check Type-B     | ▶           |
|         | Wattle                               | ⌒           |
| 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 | ⊓           |
| 1630.04 | Stilling Basin                       | ▭           |
|         | Rock Inlet Sediment Trap:            |             |
|         | Type A                               | A           |
| 1632.01 | Type B                               | B           |
| 1632.02 | Type C                               | C           |
| 1632.03 | Type C                               | C           |
|         | Skimmer Basin                        | ▭           |
|         | Tiered Skimmer Basin                 | ▭           |
|         | Infiltration Basin                   | ▭           |

**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.*



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

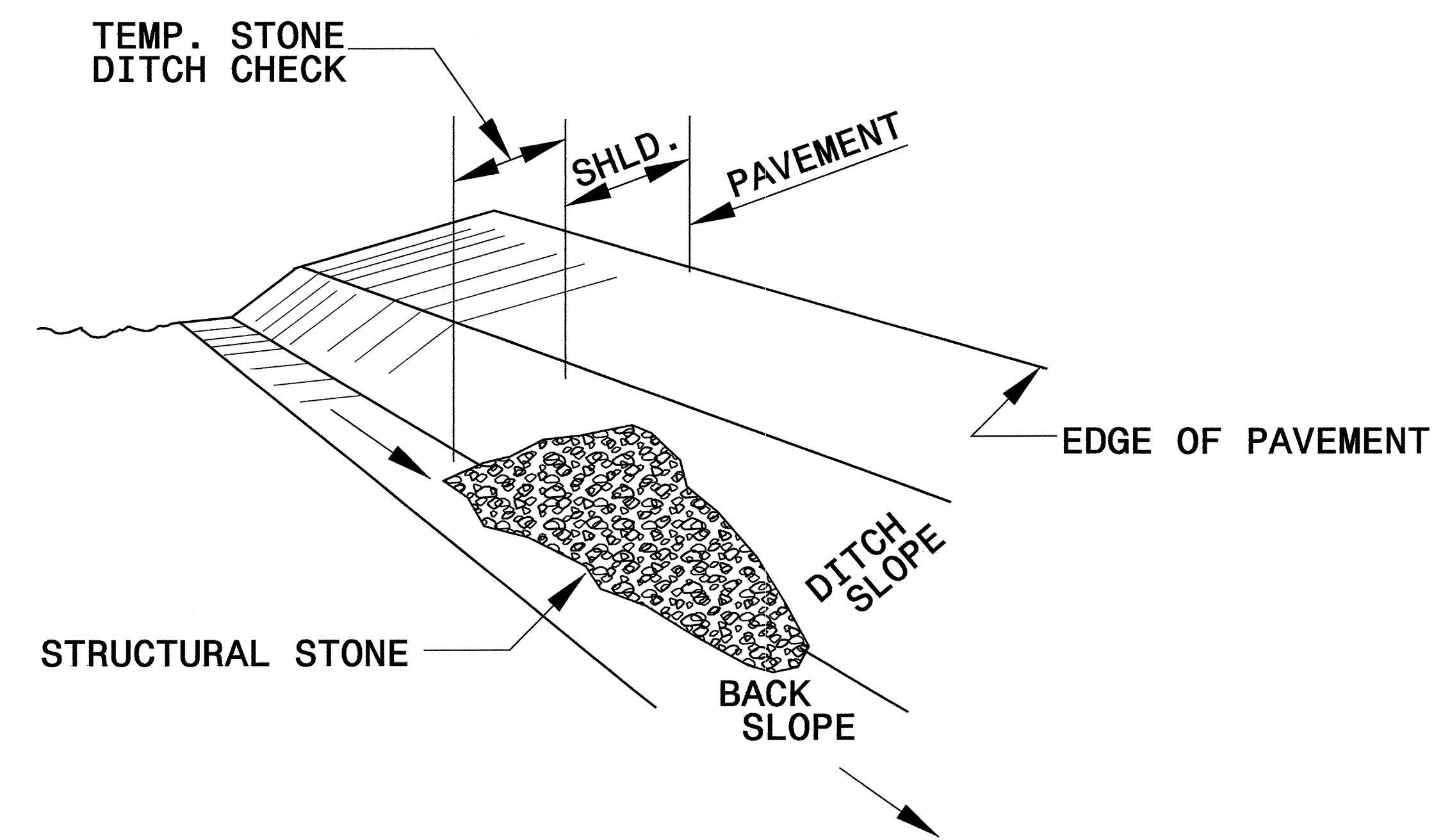
The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated July 18, 2006 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

|  |  |
|--|--|
| 1605.01 Temporary Silt Fence             | 1630.06 Special Stilling Basin               |
| 1607.01 Gravel Construction Entrance     | 1632.03 Rock Inlet Sediment Trap Type C      |
| 1622.01 Temporary Berms and Slope Drains | 1633.01 Temporary Rock Silt Check Type A     |
| 1630.03 Temporary Silt Ditch             | 1634.02 Temporary Rock Sediment Dam Type B   |
| 1630.05 Temporary Diversion              | 1635.01 Rock Pipe Inlet Sediment Trap Type A |

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|  |                          |
|--|--------------------------|
| PROJECT REFERENCE NO.<br><i>B-3684</i> | SHEET NO.<br><i>EC-2</i> |
| RW SHEET NO.                           |                          |
| ROADWAY DESIGN ENGINEER                | HYDRAULICS ENGINEER      |

# TEMPORARY ROCK SILT CHECK TYPE 'B' DETAIL

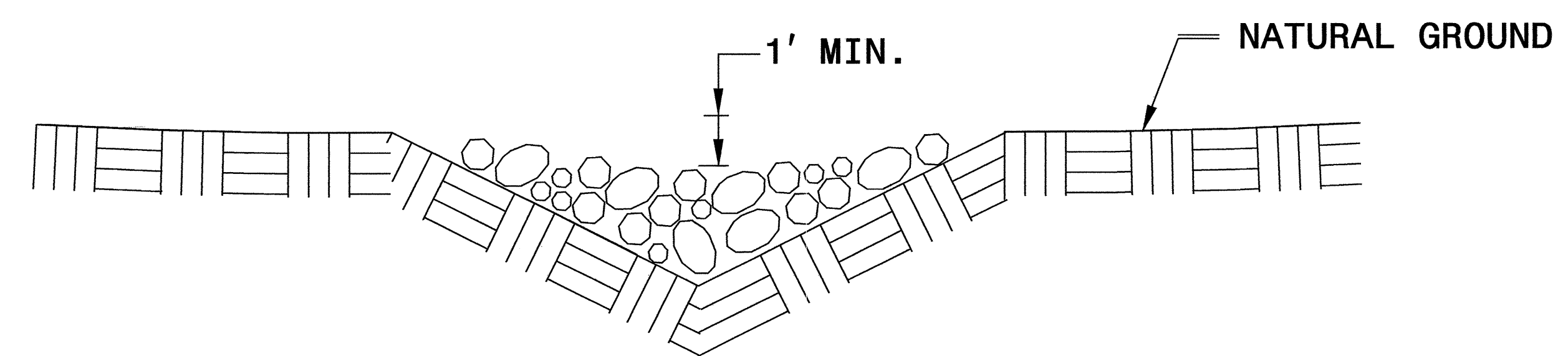


**ISOMETRIC VIEW**

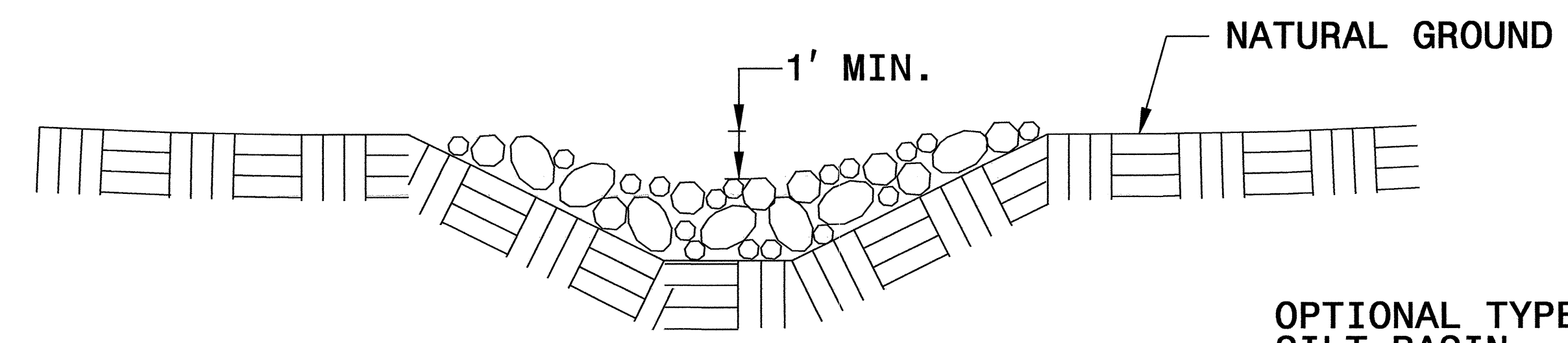
**NOTES:**

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

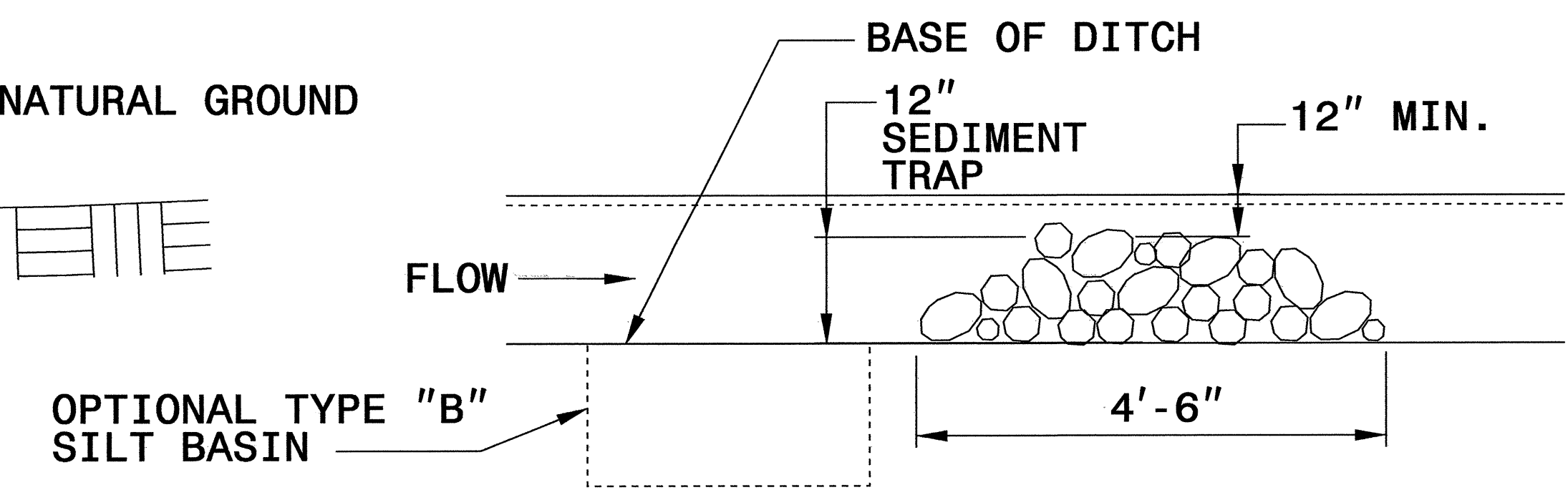
THE ENGINEER MAY DIRECT THE OPTION OF CLASS "A" STONE FOR SITES HAVING LESS THAN ONE (1) ACRE DRAINAGE AREA AND A DITCH GRADE LESS THAN 3%.



**CROSS SECTION VEE DITCH**



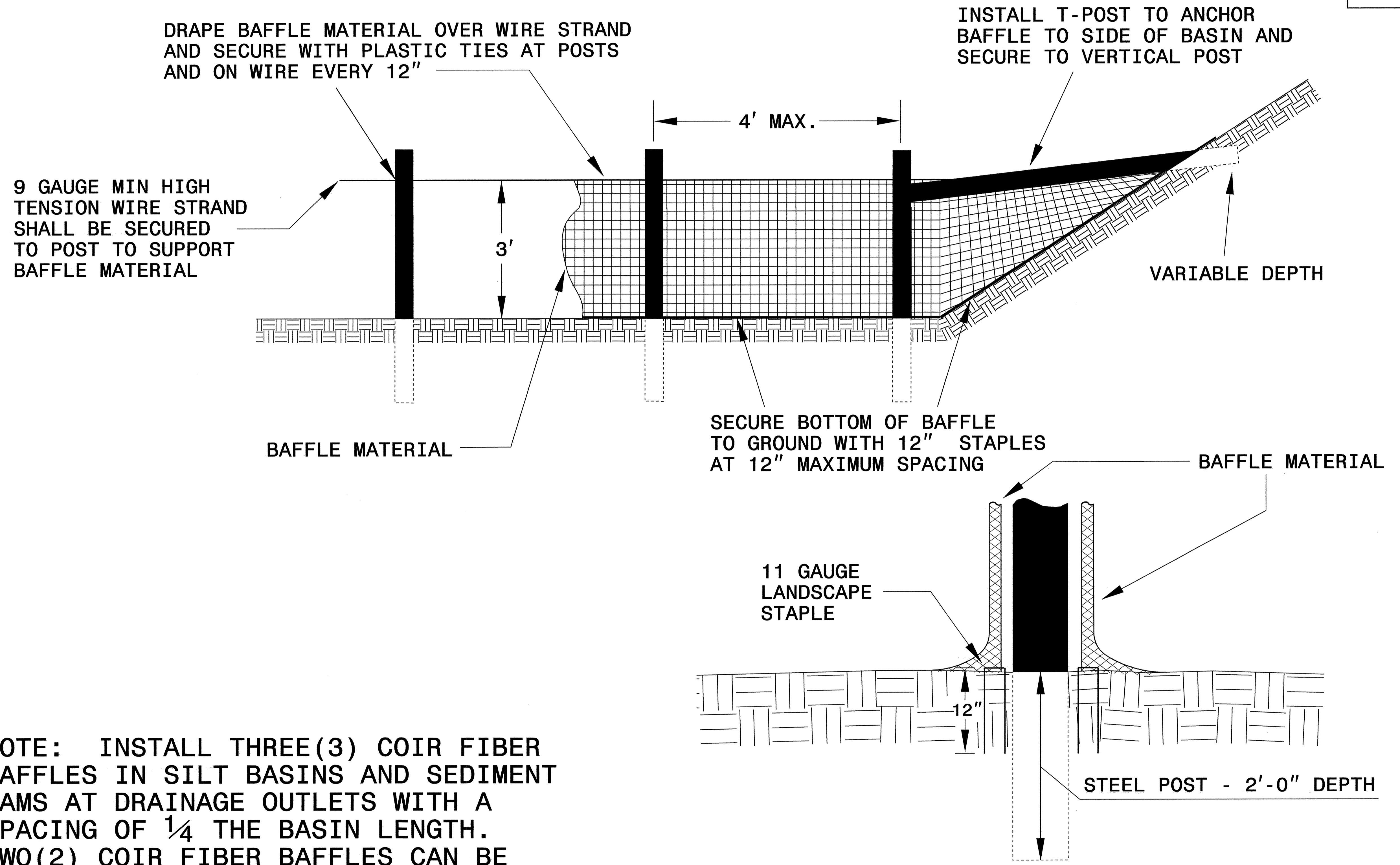
**CROSS SECTION TRAPEZOIDAL DITCH**



**ELEVATION VIEW**

|  |                     |
|--|---------------------|
| PROJECT REFERENCE NO.<br>B-3684          | SHEET NO.<br>EC-2A  |
| R/W SHEET NO.<br>ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

# COIR FIBER BAFFLE DETAIL

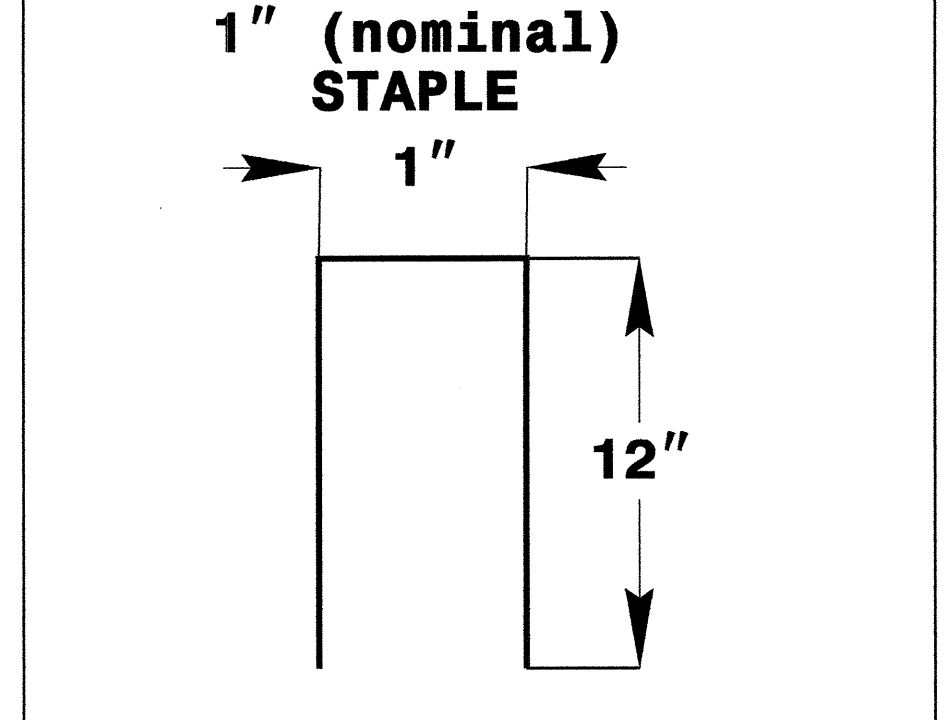
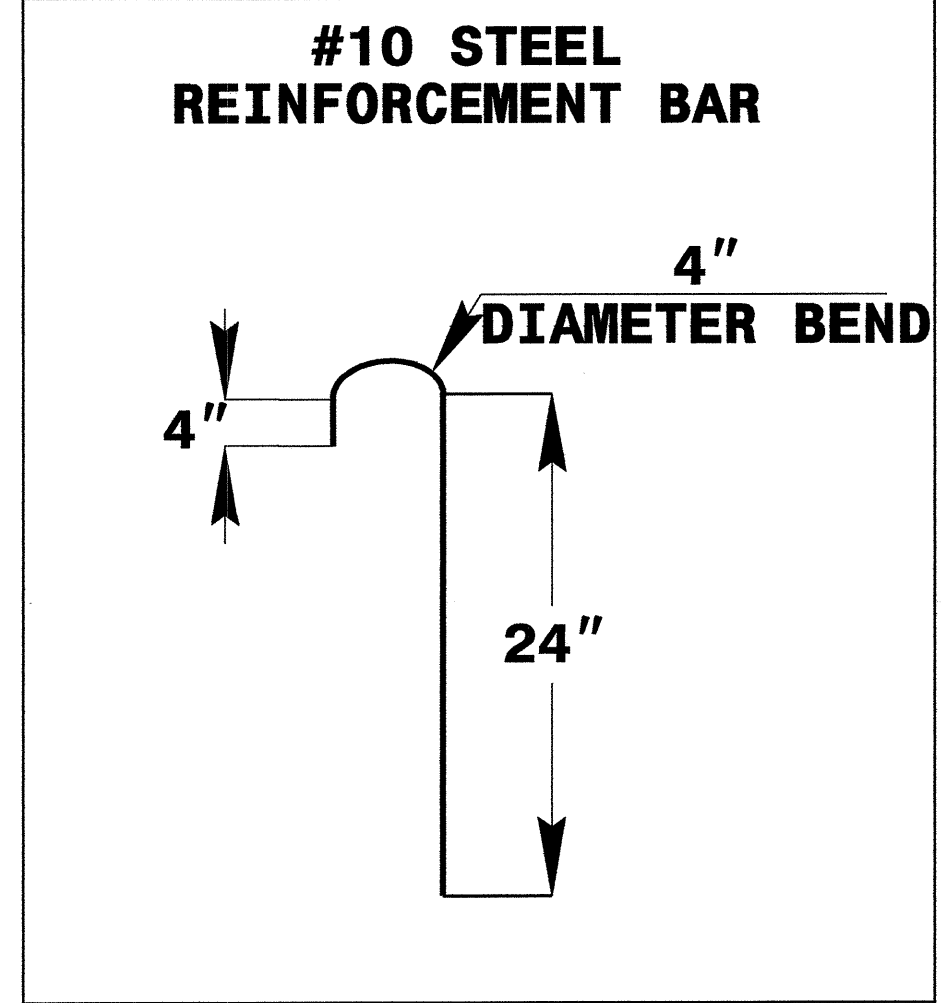
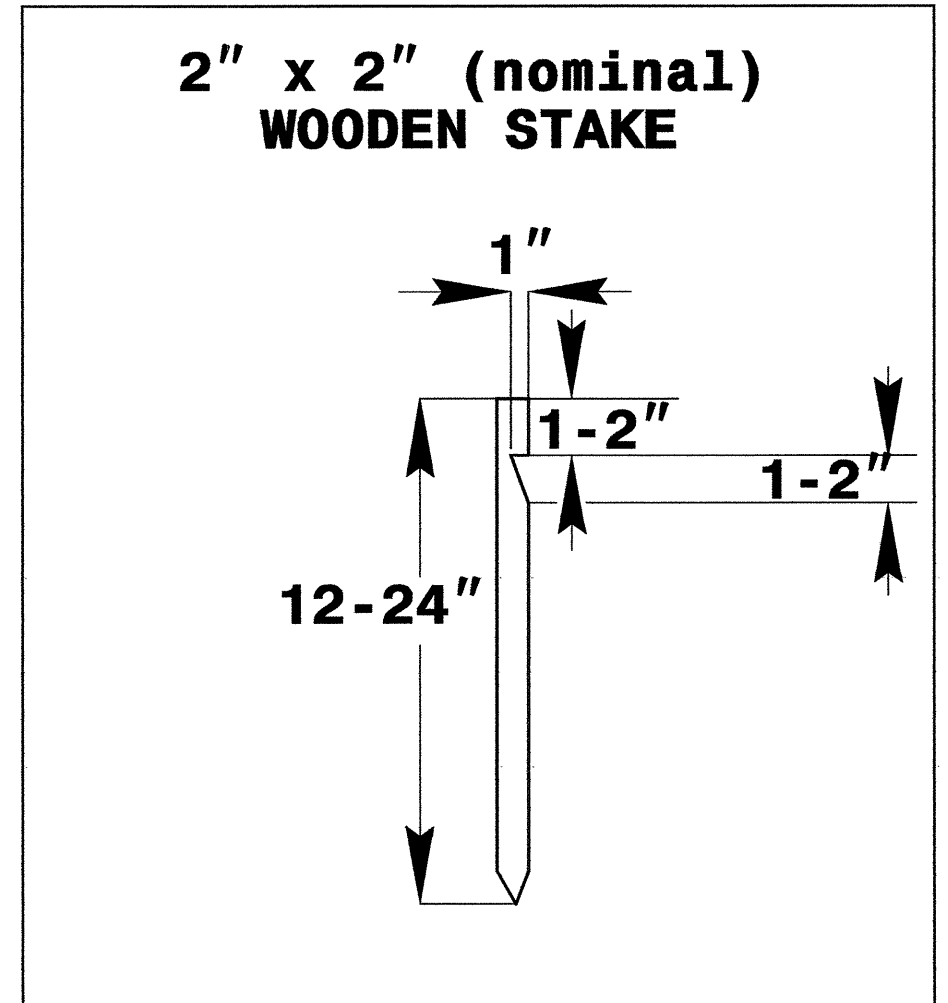
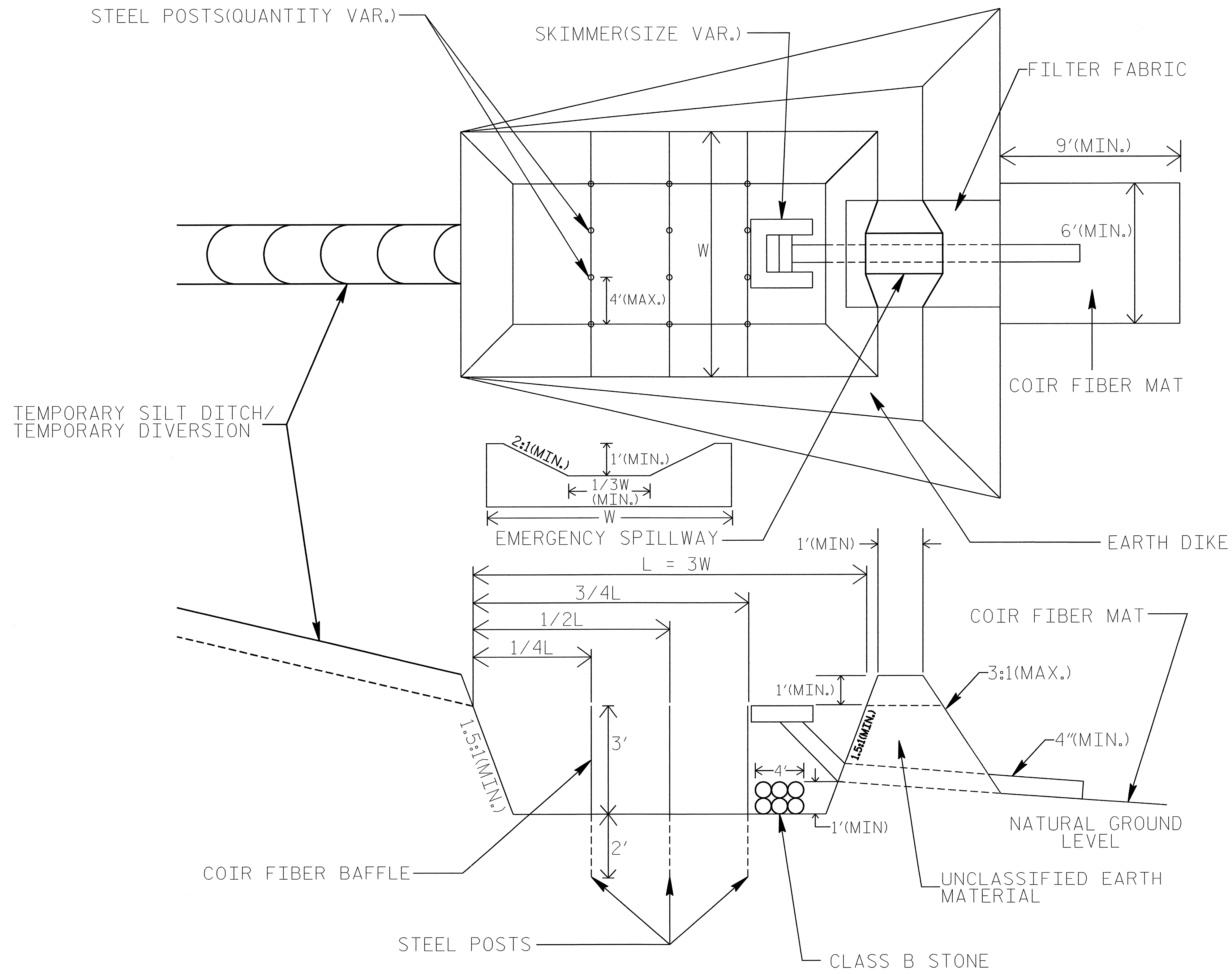


NOTE: INSTALL THREE(3) COIR FIBER BAFFLES IN SILT BASINS AND SEDIMENT DAMS AT DRAINAGE OUTLETS WITH A SPACING OF  $\frac{1}{4}$  THE BASIN LENGTH. TWO(2) COIR FIBER BAFFLES CAN BE INSTALLED IN SILT BASINS AND DAMS LESS THAN 20 FT. IN LENGTH WITH A SPACING OF  $\frac{1}{3}$  THE BASIN LENGTH.

BAFFLE MATERIAL SHALL BE SECURED TO THE BOTTOM AND SIDES OF BASIN USING 12" LANDSCAPE STAPLES

# SKIMMER BASIN WITH BAFFLES DETAIL

|                                 |                     |
|---------------------------------|---------------------|
| PROJECT REFERENCE NO.<br>B-3684 | SHEET NO.<br>EC-2B  |
| RW SHEET NO.                    |                     |
| ROADWAY DESIGN ENGINEER         | HYDRAULICS ENGINEER |

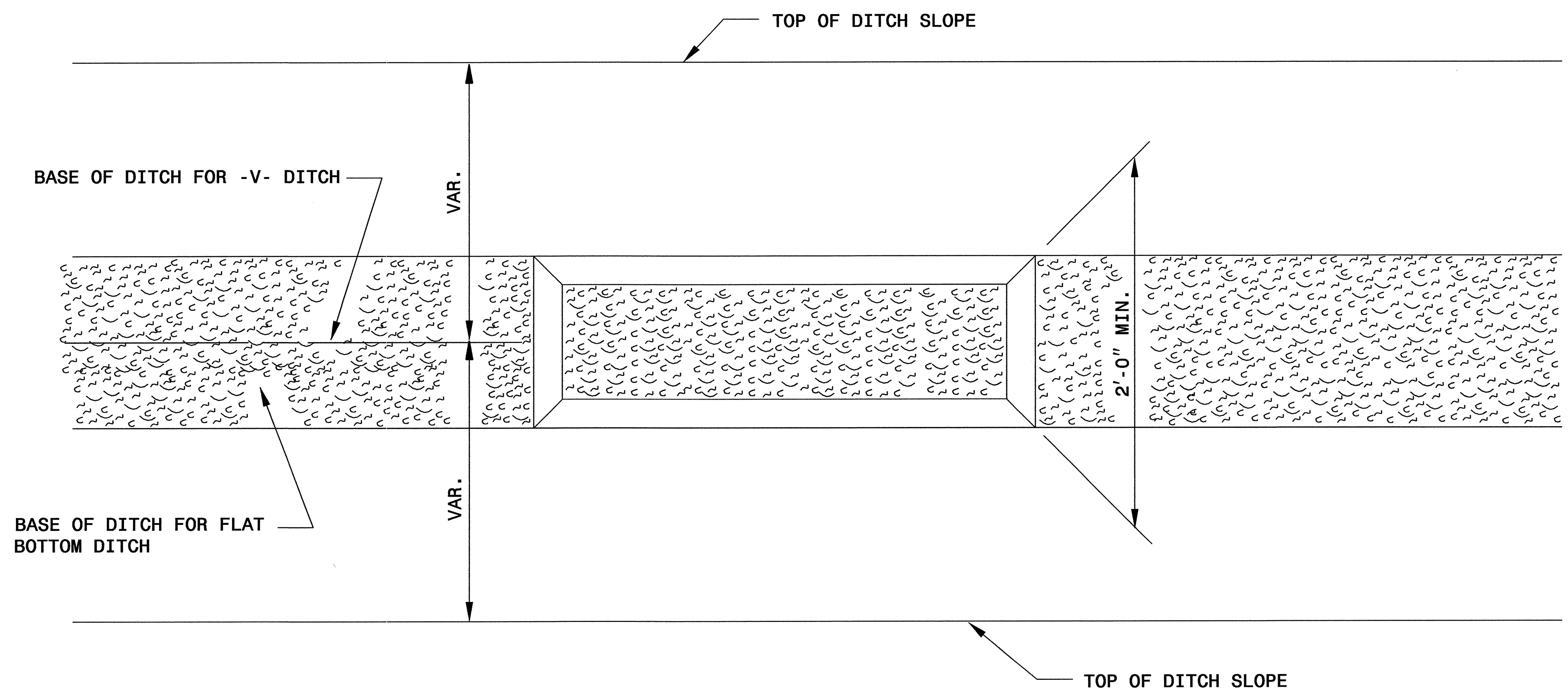


**COIR FIBER MAT ANCHOR OPTIONS**

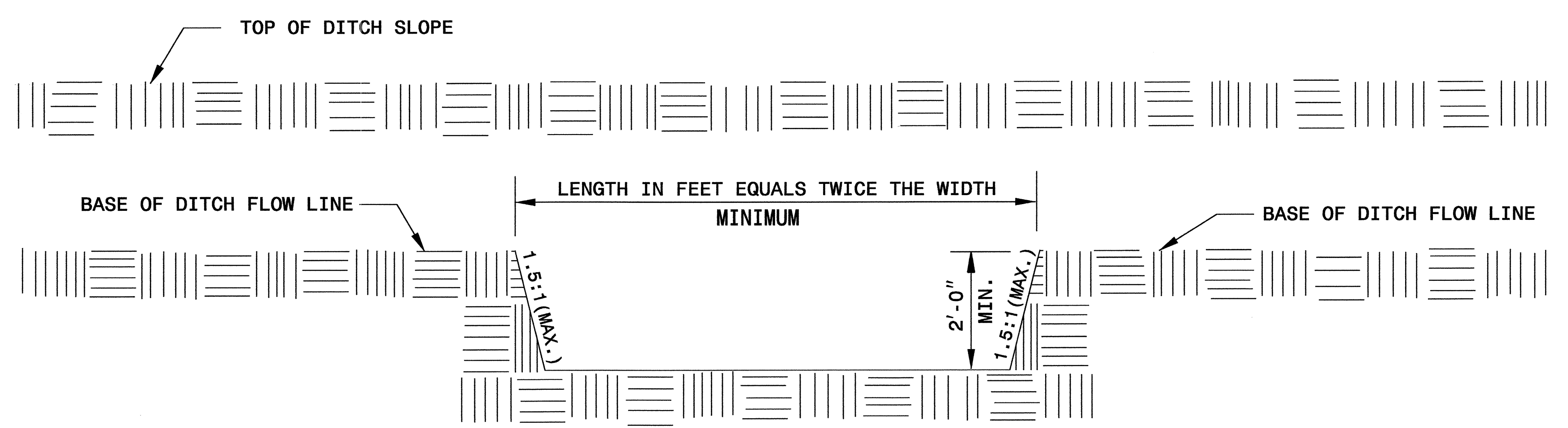
- NOTES:**
1. SEED AND PLACE MATTING FOR EROSION CONTROL ON SIDESLOPES.
  2. LIMIT EARTH DIKE HEIGHT TO 5 FT.

|  |                           |
|--|---------------------------|
| PROJECT REFERENCE NO.<br><i>B-3684</i> | SHEET NO.<br><i>EC-2C</i> |
| RW SHEET NO.                           |                           |
| ROADWAY DESIGN ENGINEER                | HYDRAULICS ENGINEER       |

# SILT BASIN 'B' DETAIL



PLAN



ELEVATION

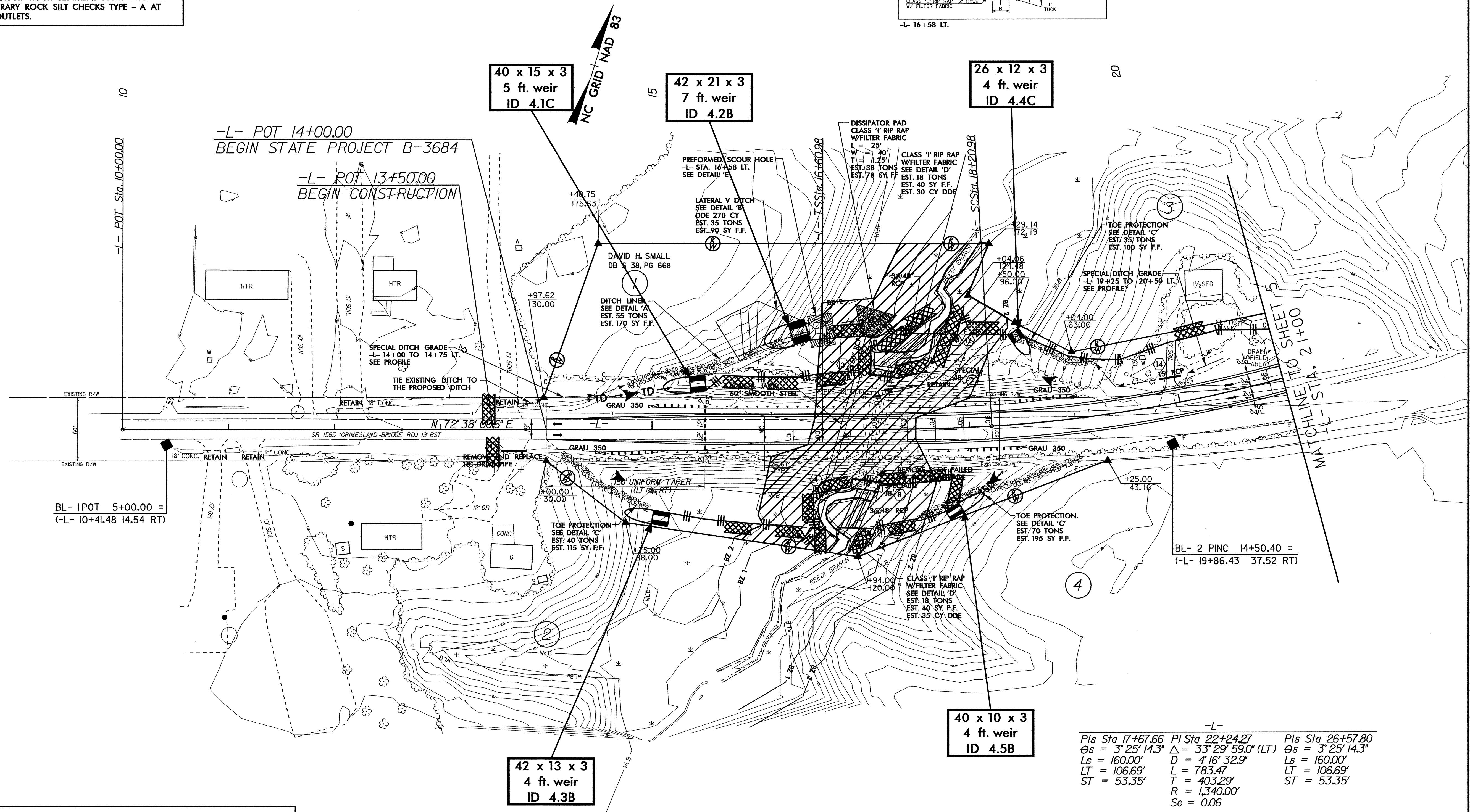
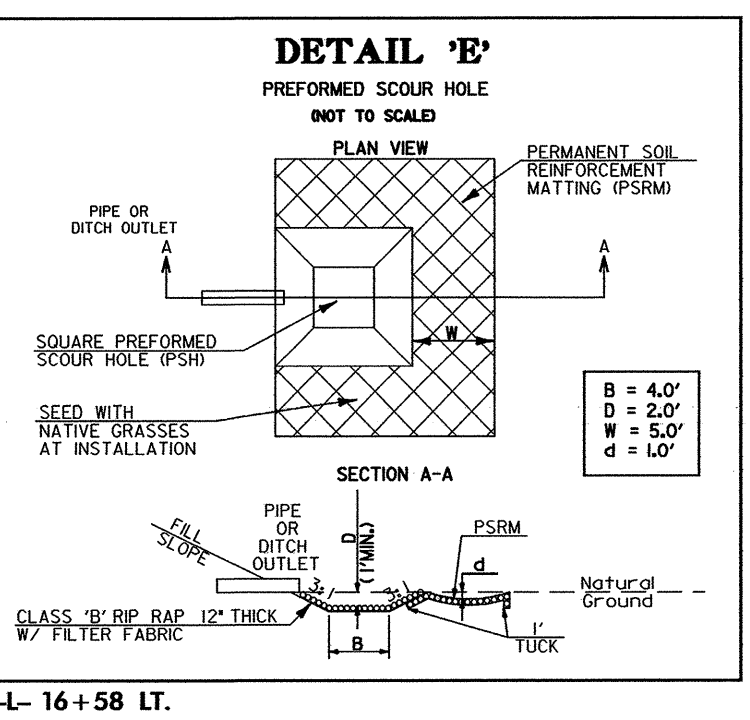
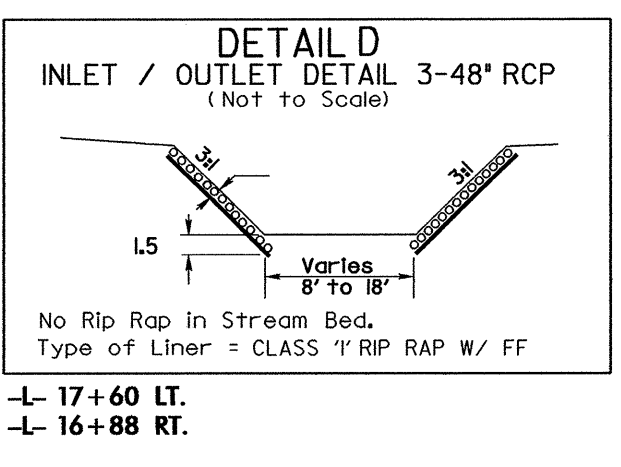
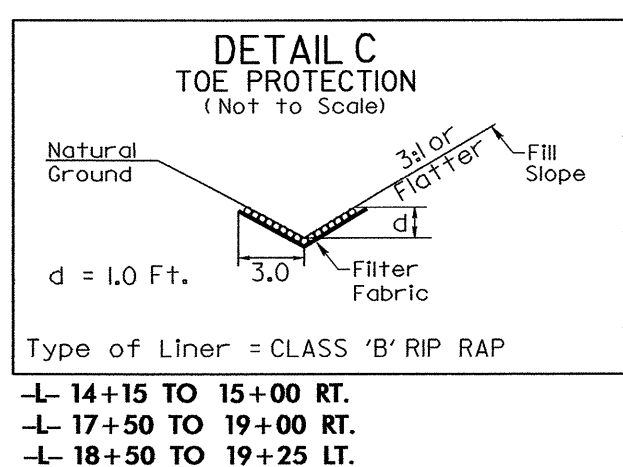
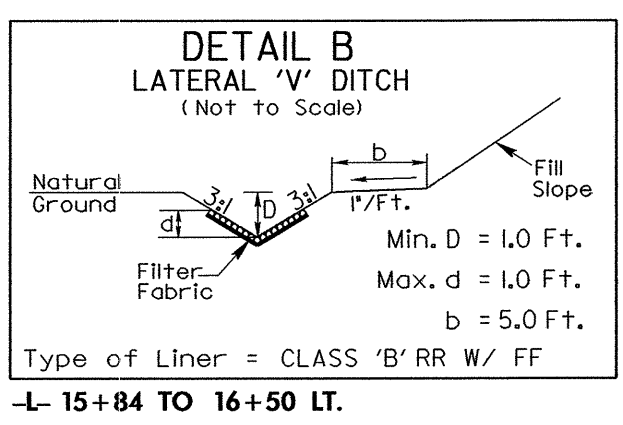
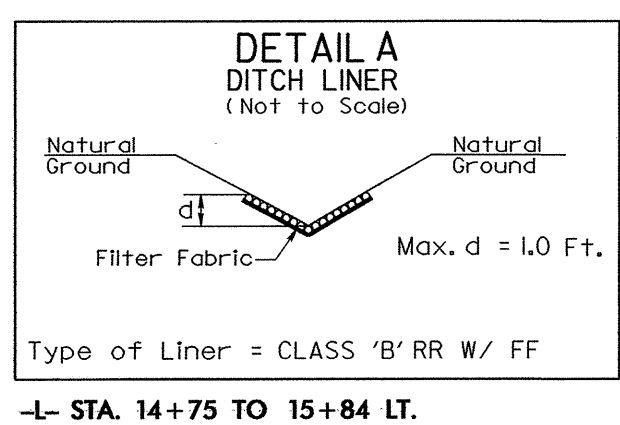


|                         |                     |
|-------------------------|---------------------|
| PROJECT REFERENCE NO.   | SHEET NO.           |
| B-3684                  | EC-4/CONST.4        |
| R/W SHEET NO.           | HYDRAULICS ENGINEER |
| ROADWAY DESIGN ENGINEER |                     |

INSTALL FILTER FABRIC UNDER TEMPORARY ROCK SILT CHECK(S) TYPE A IN PERMITTED WETLANDS.

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.



ENVIRONMENTALLY SENSITIVE AREA SEE PROJECT SPECIAL PROVISIONS

FOR -L- PROFILE SEE SHEET 8  
 OBLITERATION OF EXISTING ROAD

8/17/99

|                                 |                           |
|---------------------------------|---------------------------|
| PROJECT REFERENCE NO.<br>B-3684 | SHEET NO.<br>EC-5/CONST.4 |
| R/W SHEET NO.                   |                           |
| ROADWAY DESIGN ENGINEER         | HYDRAULICS ENGINEER       |

# PIPE CONSTRUCTION SEQUENCE +/- STA. 17+10 -L-

| PHASE I   | PHASE II  | PHASE III   | PHASE IV  |
|---|---|---|---|
| <ol style="list-style-type: none"> <li>1. UTILIZE SPECIAL STILLING BASINS AS NEEDED THROUGHOUT INSTALLATION OF THE PIPE EXTENSIONS.</li> <li>2. CONSTRUCT IMPERVIOUS DIKES A, DIVERTING FLOW THROUGH PIPES 1 AND 2.</li> <li>3. REMOVE AND REPLACE 8 FEET OF FAILED PIPE 3.</li> <li>4. CONSTRUCT UPSTREAM EXTENSION OF PIPE 3, PORTION OF UPSTREAM JB, AND PORTION OF UPSTREAM CHANNEL IMPROVEMENTS.</li> <li>5. REMOVE IMPERVIOUS DIKES A.</li> </ol> | <ol style="list-style-type: none"> <li>6. CONSTRUCT IMPERVIOUS DIKES B, DIVERTING FLOW THROUGH PIPE 3.</li> <li>7. CONSTRUCT UPSTREAM EXTENSION OF PIPES 1 AND 2, REMAINDER OF UPSTREAM JB, AND REMAINDER OF UPSTREAM CHANNEL IMPROVEMENTS.</li> <li>8. REMOVE IMPERVIOUS DIKES B.</li> </ol> | <ol style="list-style-type: none"> <li>9. CONSTRUCT IMPERVIOUS DIKES C, DIVERTING FLOW THROUGH PIPES 2 AND 3.</li> <li>10. CONSTRUCT DOWNSTREAM EXTENSION OF PIPE 1, PORTION OF DOWNSTREAM JB, AND PORTION OF DOWNSTREAM CHANNEL IMPROVEMENTS.</li> <li>11. REMOVE IMPERVIOUS DIKES C.</li> </ol> | <ol style="list-style-type: none"> <li>12. CONSTRUCT IMPERVIOUS DIKES D, DIVERTING FLOW THROUGH PIPE 1.</li> <li>13. CONSTRUCT DOWNSTREAM EXTENSION OF PIPES 2 AND 3, REMAINDER OF DOWNSTREAM JB, AND REMAINDER OF DOWNSTREAM CHANNEL IMPROVEMENTS.</li> <li>14. REMOVE IMPERVIOUS DIKES D AND ANY REMAINING SPECIAL STILLING BASIN(S).</li> <li>15. COMPLETE ROADWAY.</li> </ol> |
|   |   |   |   |



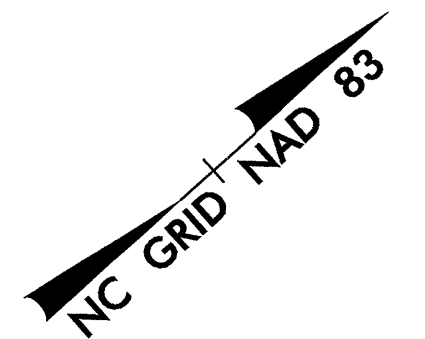
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CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 5

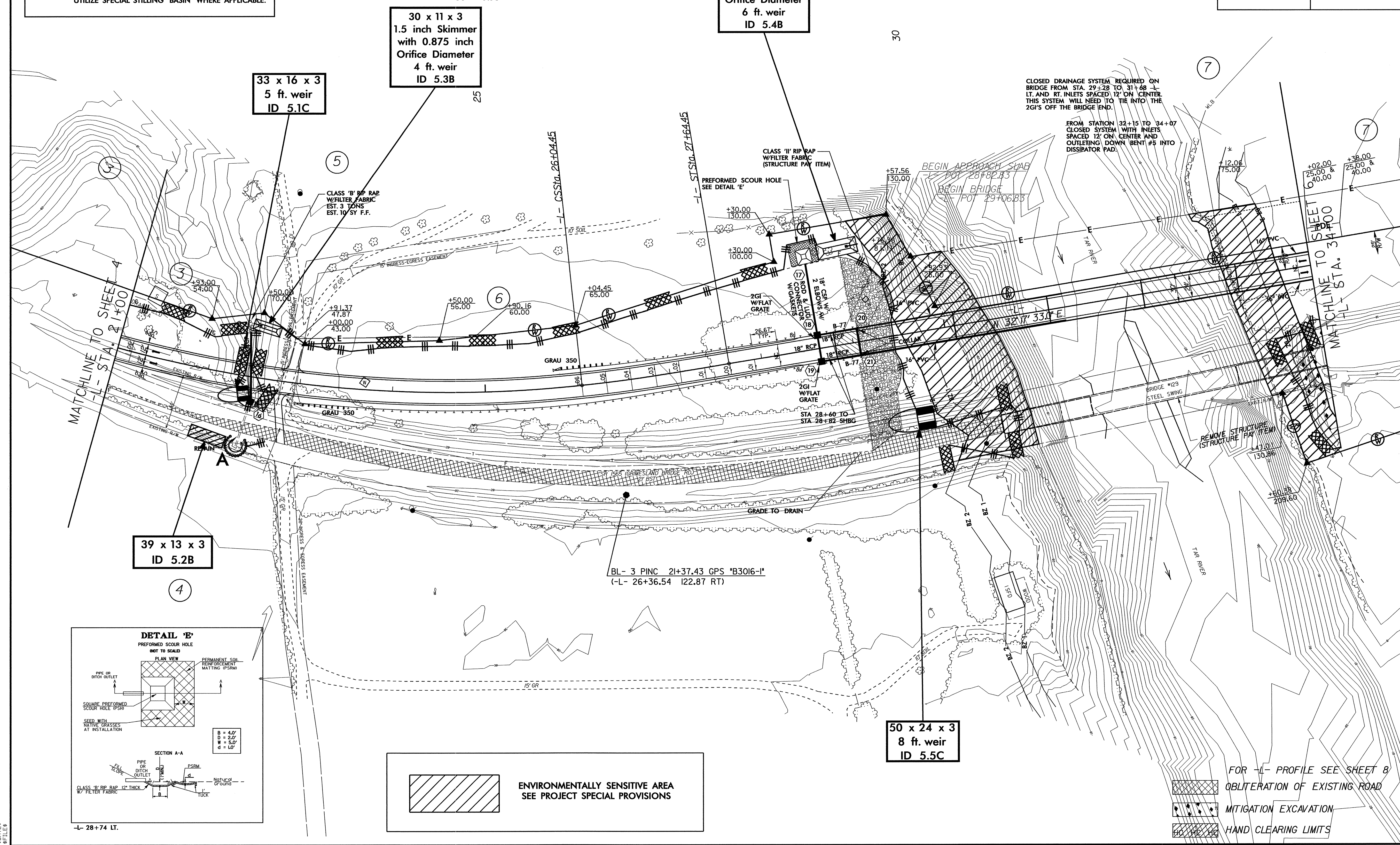
NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B  
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT  
DRAINAGE OUTLETS.

NOTE:  
UTILIZE SPECIAL STILLING BASIN WHERE APPLICABLE.

-L-  
Pls Sta 17+67.66 PI Sta 22+24.27 Pls Sta 26+57.80  
Os = 3' 25' 14.3" Δ = 33' 29' 59.0" (LT) Os = 3' 25' 14.3"  
Ls = 160.00' D = 4' 16' 32.9" Ls = 160.00'  
LT = 106.69' L = 783.47' LT = 106.69'  
ST = 53.35' T = 403.29' R = 1,340.00' ST = 53.35'  
Se = 0.06



|                         |                     |
|-------------------------|---------------------|
| PROJECT REFERENCE NO.   | SHEET NO.           |
| B-3684                  | EC-6/CONST.5        |
| RW SHEET NO.            |                     |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

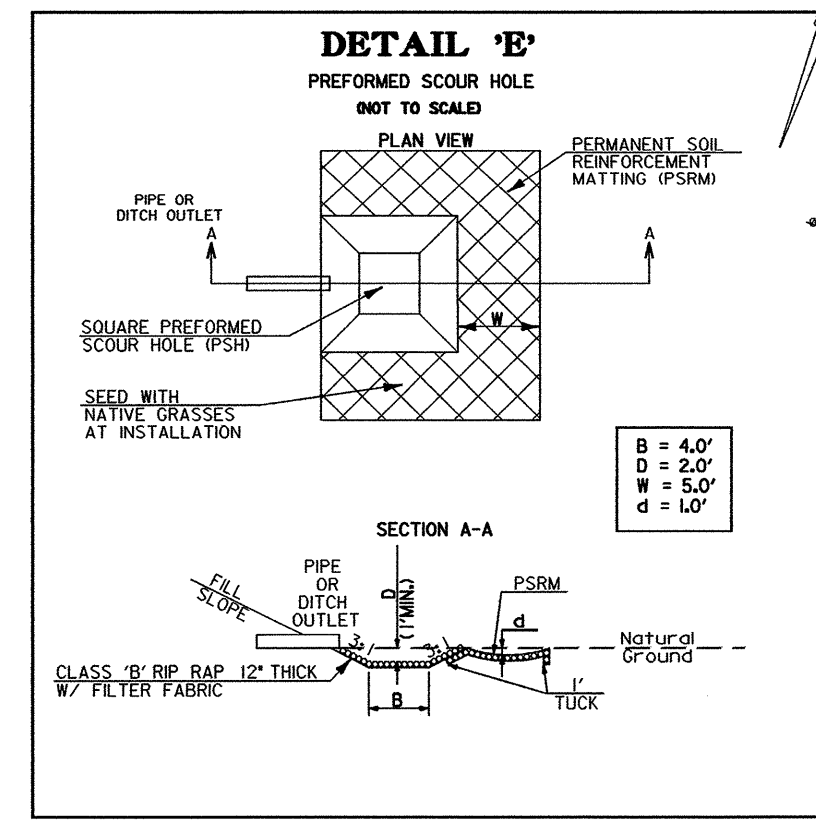


39 x 13 x 3  
ID 5.2B

30 x 11 x 3  
1.5 inch Skimmer  
with 0.875 inch  
Orifice Diameter  
4 ft. weir  
ID 5.3B

43 x 17 x 3  
1.5 inch Skimmer  
with 1.375 inch  
Orifice Diameter  
6 ft. weir  
ID 5.4B

50 x 24 x 3  
8 ft. weir  
ID 5.5C



- FOR -L- PROFILE SEE SHEET 8
- OBLITERATION OF EXISTING ROAD
- MITIGATION EXCAVATION
- HAND CLEARING LIMITS

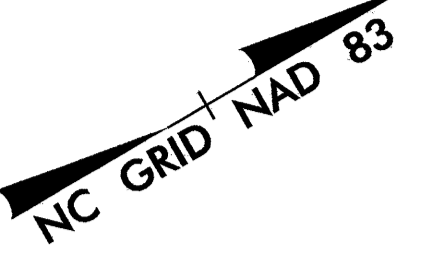
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| PROJECT REFERENCE NO.<br>B-3684 | SHEET NO.<br>EC-7/CONST.6 |
| RW SHEET NO.                    |                           |
| ROADWAY DESIGN ENGINEER         | HYDRAULICS ENGINEER       |

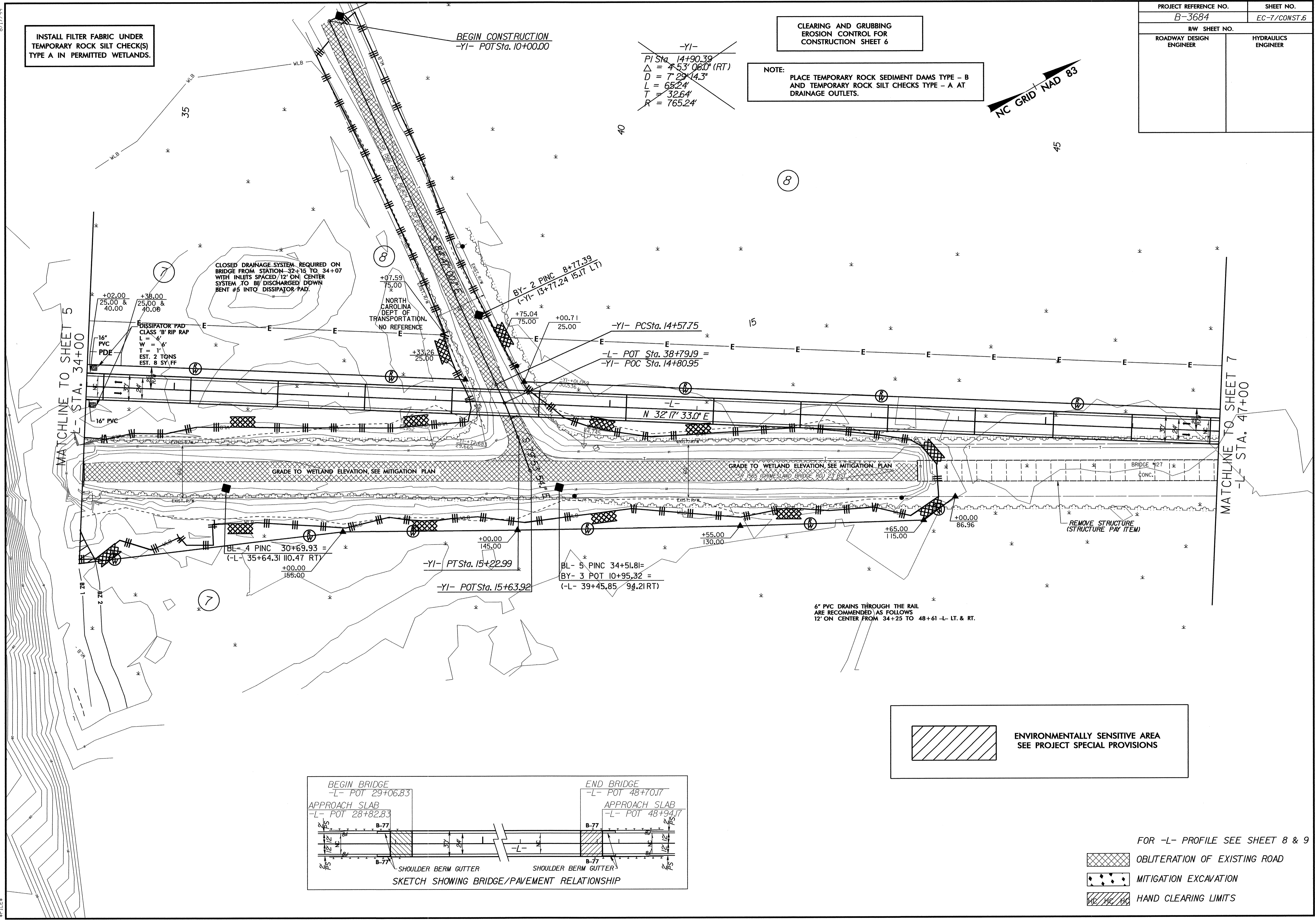
INSTALL FILTER FABRIC UNDER TEMPORARY ROCK SILT CHECK(S) TYPE A IN PERMITTED WETLANDS.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 6

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



~~-YI-~~  
~~PI Sta. 14+90.39~~  
 ~~$\Delta = 453' 06.0" (RT)$~~   
 ~~$D = 7' 29" 14.3"$~~   
 ~~$L = 65.24'$~~   
 ~~$T = 32.64'$~~   
 ~~$R = 765.24'$~~



MATCHLINE TO SHEET 5  
-L- STA. 34+00

MATCHLINE TO SHEET 7  
-L- STA. 47+00

CLOSED DRAINAGE SYSTEM REQUIRED ON BRIDGE FROM STATION 32+16 TO 34+07 WITH INLETS SPACED 12' ON CENTER SYSTEM TO BE DISCHARGED DOWN BENT #5 INTO DISSIPATOR PAD.

DISSIPATOR PAD CLASS 'B' RIP RAP  
 $L = 6'$   
 $W = 6'$   
 $T = 1'$   
 EST. 2 TONS  
 EST. 8 SY. FF

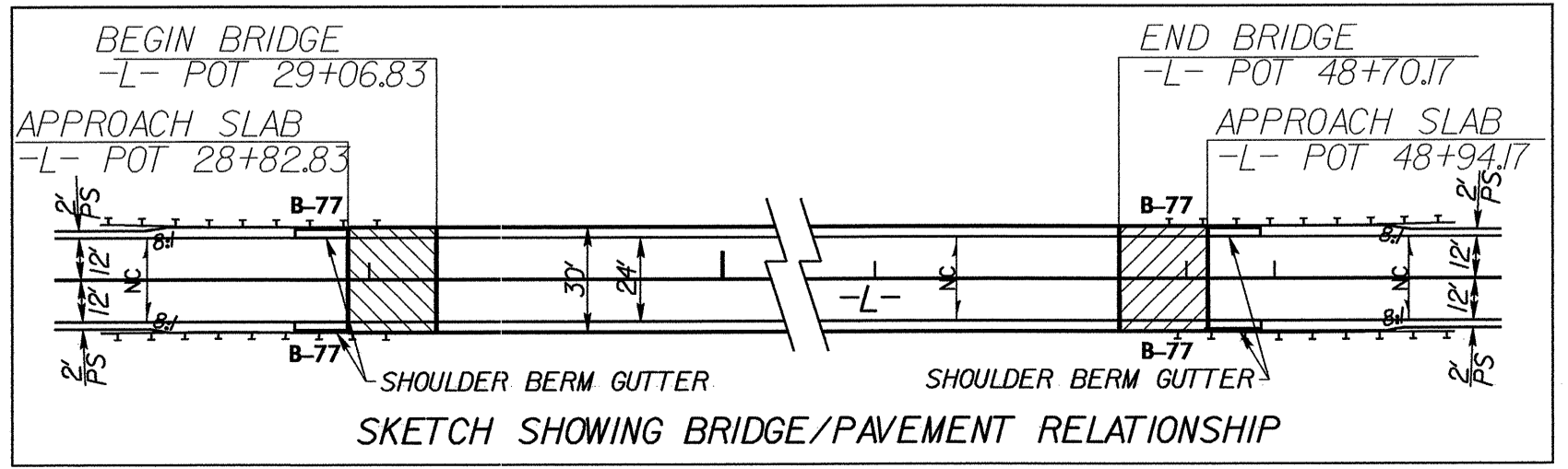
NORTH CAROLINA DEPT OF TRANSPORTATION  
 NO REFERENCE

GRADE TO WETLAND ELEVATION SEE MITIGATION PLAN

REMOVE STRUCTURE (STRUCTURE PAY ITEM)

6" PVC DRAINS THROUGH THE RAIL ARE RECOMMENDED AS FOLLOWS  
 12' ON CENTER FROM 34+25 TO 48+61 -L- LT. & RT.

ENVIRONMENTALLY SENSITIVE AREA  
SEE PROJECT SPECIAL PROVISIONS



FOR -L- PROFILE SEE SHEET 8 & 9

- OBLITERATION OF EXISTING ROAD
- MITIGATION EXCAVATION
- HAND CLEARING LIMITS

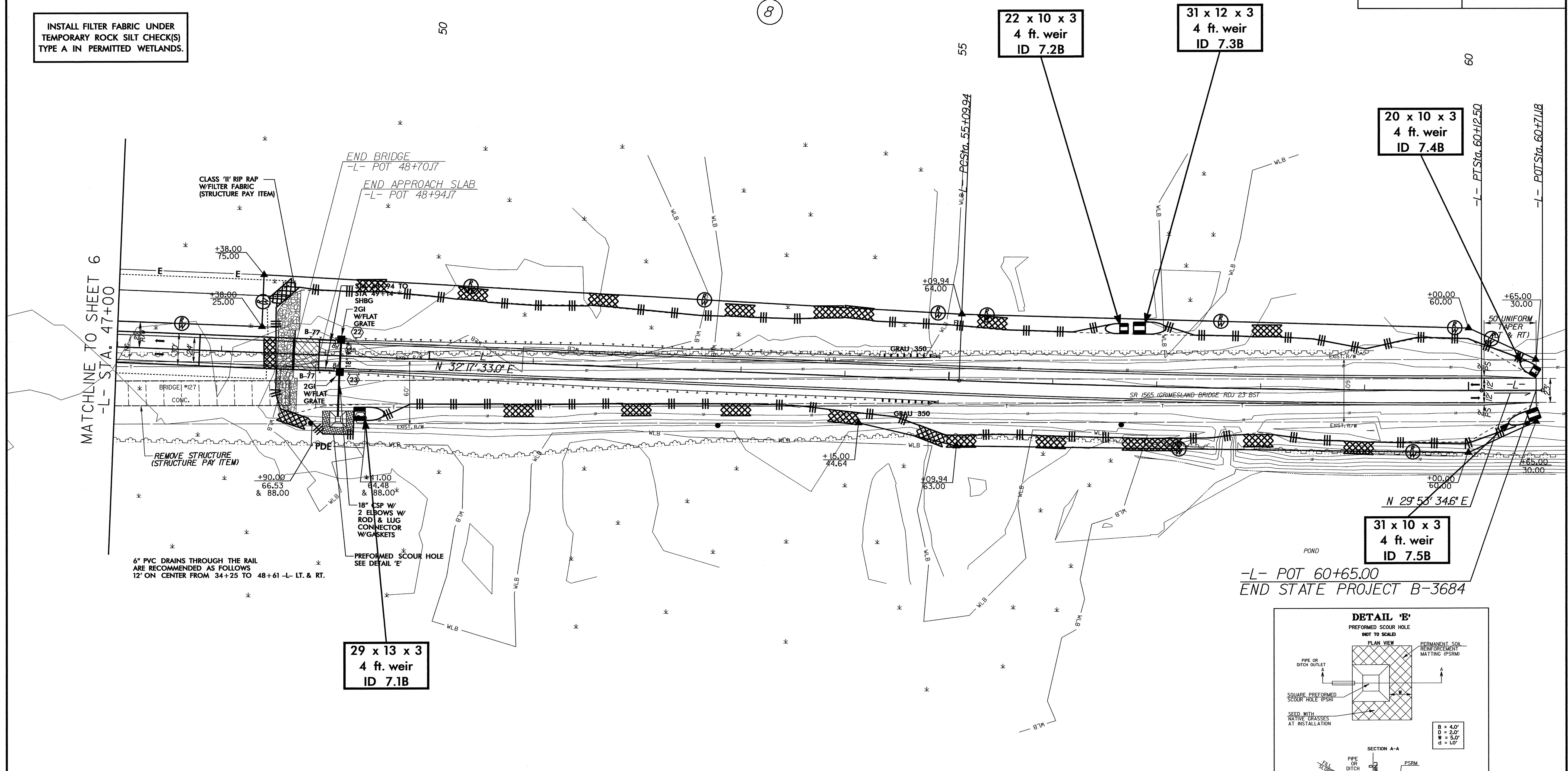
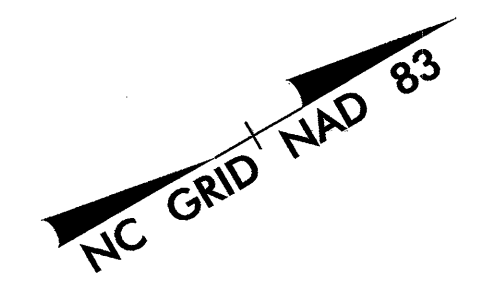
8/17/99  
 \$ DATES \$ FILES

|                                 |                           |
|---------------------------------|---------------------------|
| PROJECT REFERENCE NO.<br>B-3684 | SHEET NO.<br>EC-8/CONST.7 |
| RW SHEET NO.                    |                           |
| ROADWAY DESIGN ENGINEER         | HYDRAULICS ENGINEER       |

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 7

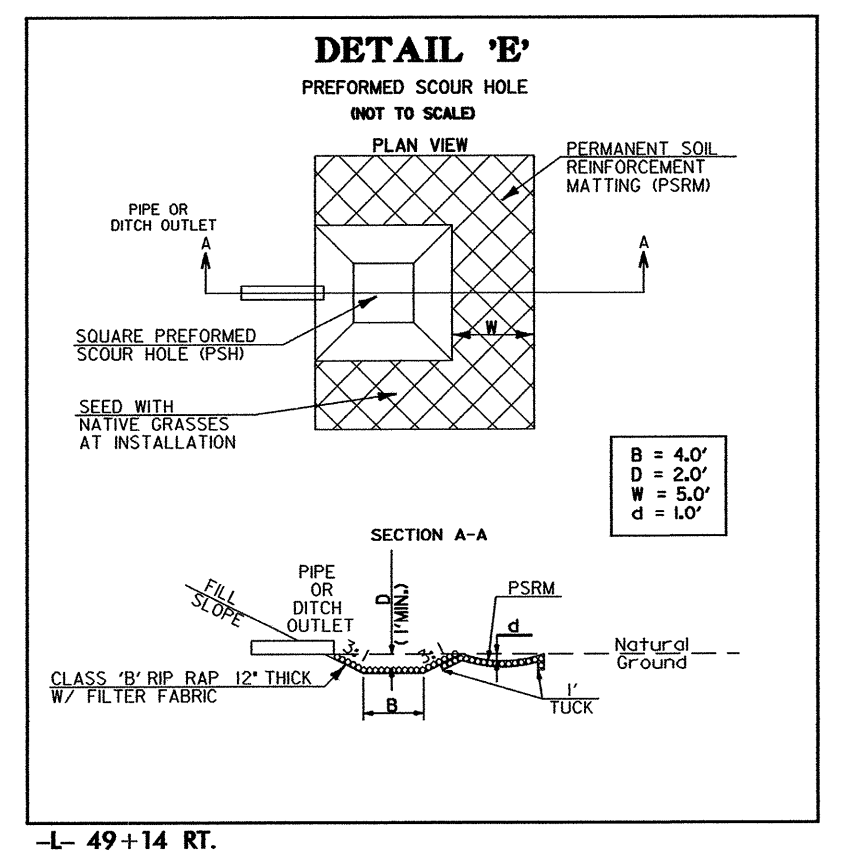
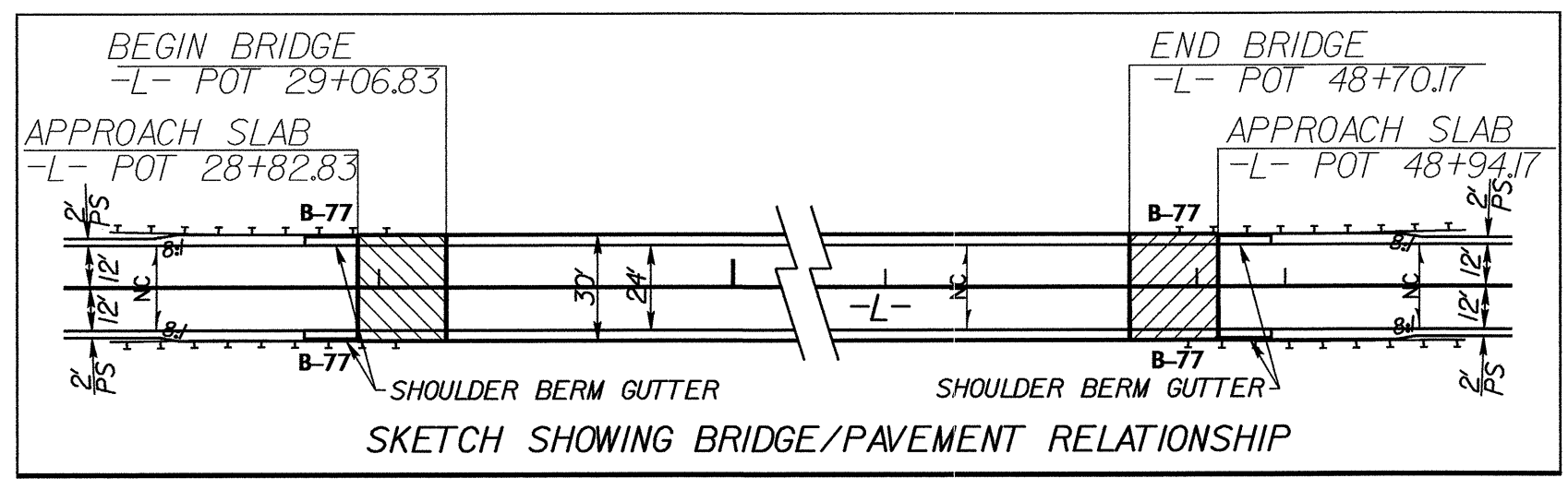
NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B  
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT  
DRAINAGE OUTLETS.

INSTALL FILTER FABRIC UNDER  
TEMPORARY ROCK SILT CHECK(S)  
TYPE A IN PERMITTED WETLANDS.



MATCHLINE TO SHEET 6  
-L- STA. 47+00

-L- POT 60+65.00  
END STATE PROJECT B-3684



-L-  
PI Sta 57+61.26  
 $\Delta = 2' 23' 58.4\"$  (LT)  
D = 0' 28' 38.9"  
L = 502.56'  
T = 251.32'  
R = 12,000.00'  
Se = NC

- FOR -L- PROFILE SEE SHEET 9
- OBLITERATION OF EXISTING ROAD
  - MITIGATION EXCAVATION
  - HAND CLEARING LIMITS

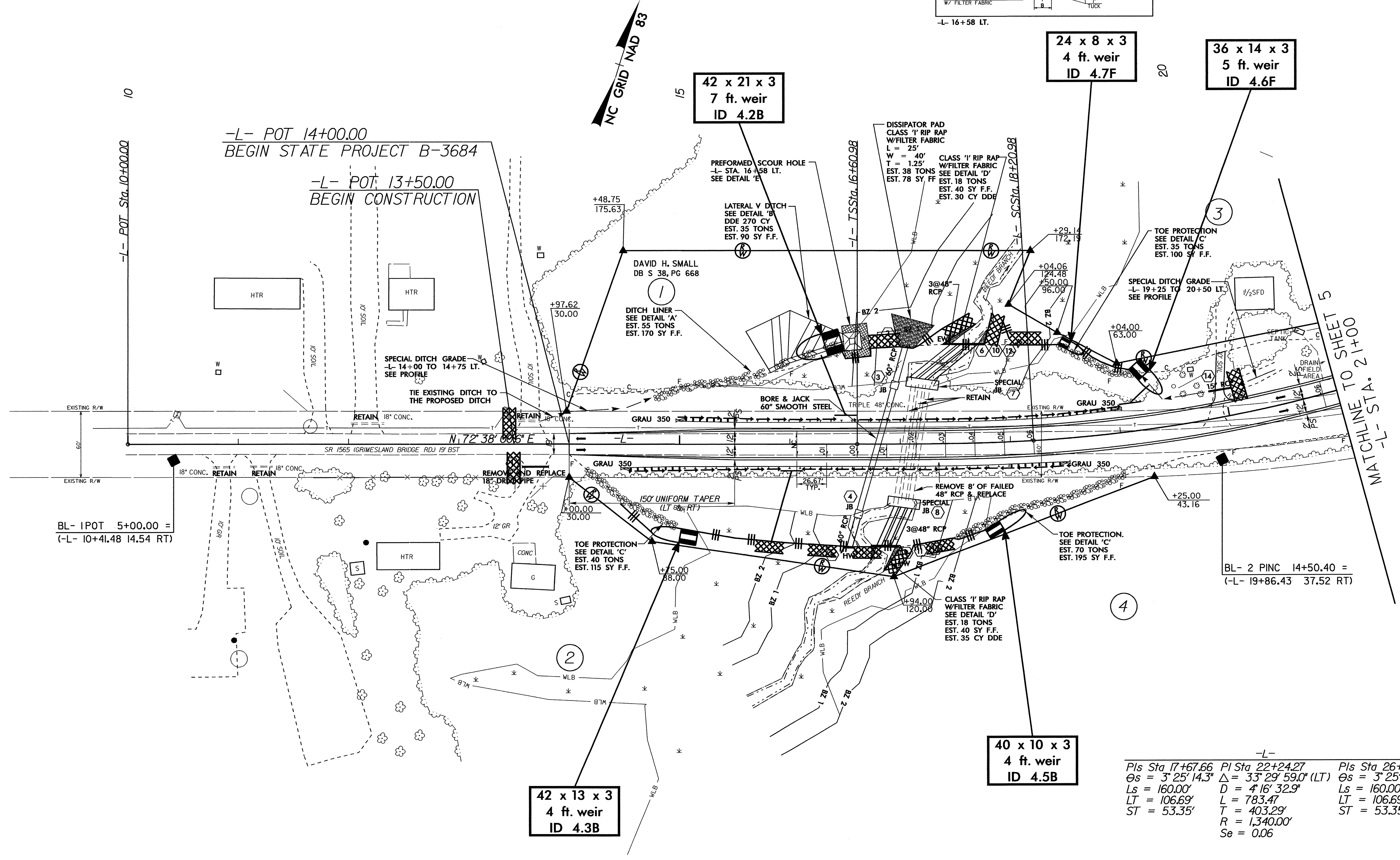
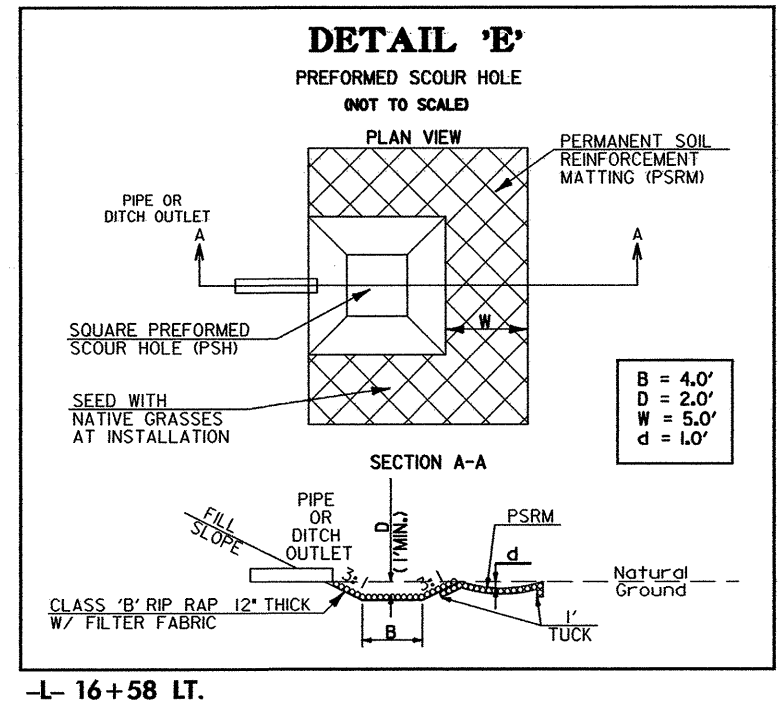
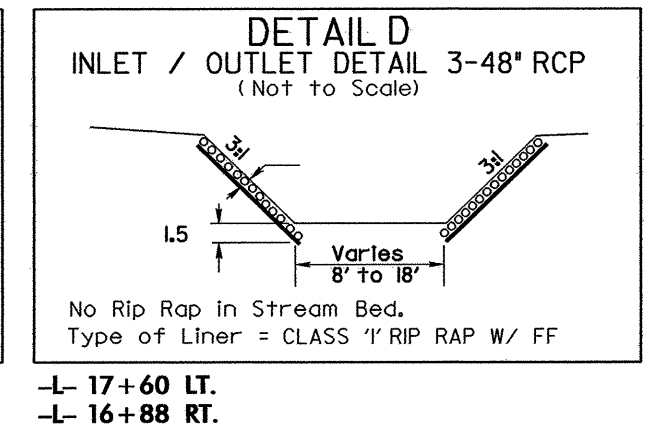
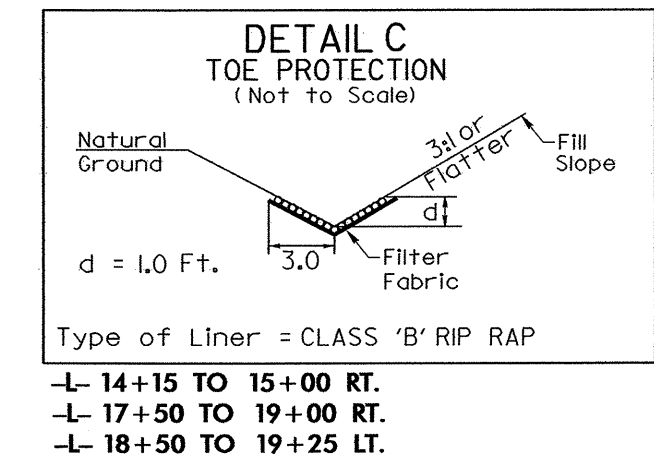
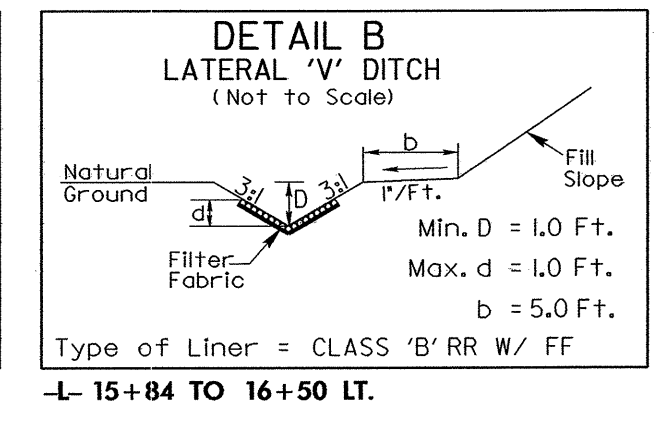
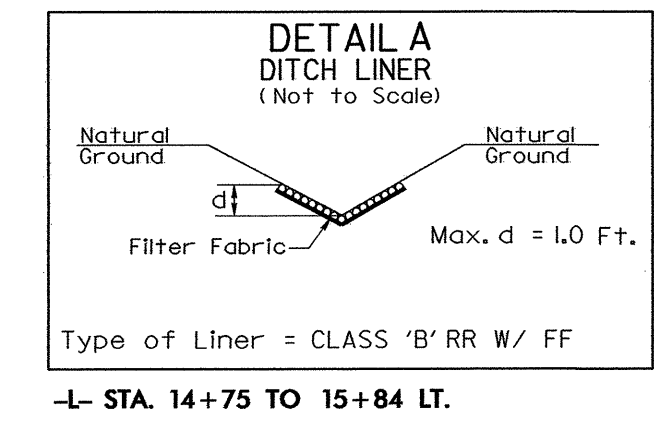
REVISIONS

8/17/99

#DATE#  
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|                                 |                           |
|---------------------------------|---------------------------|
| PROJECT REFERENCE NO.<br>B-3684 | SHEET NO.<br>EC-9/CONST.4 |
| RW SHEET NO.                    |                           |
| ROADWAY DESIGN ENGINEER         | HYDRAULICS ENGINEER       |

INSTALL FILTER FABRIC UNDER TEMPORARY ROCK SILT CHECK(S) TYPE A IN PERMITTED WETLANDS.



-L-

|                                 |                                     |                                 |
|---------------------------------|-------------------------------------|---------------------------------|
| Pls Sta 17+67.66                | Pl Sta 22+24.27                     | Pls Sta 26+57.80                |
| $\theta_s = 3^\circ 25' 14.3''$ | $\Delta = 33^\circ 29' 59.0''$ (LT) | $\theta_s = 3^\circ 25' 14.3''$ |
| $L_s = 160.00'$                 | $D = 4' 16' 32.9''$                 | $L_s = 160.00'$                 |
| $LT = 106.69'$                  | $L = 783.47'$                       | $LT = 106.69'$                  |
| $ST = 53.35'$                   | $T = 403.29'$                       | $ST = 53.35'$                   |
|                                 | $R = 1,340.00'$                     |                                 |
|                                 | $Se = 0.06$                         |                                 |

FOR -L- PROFILE SEE SHEET 8  
 OBLITERATION OF EXISTING ROAD

8/17/99  
 DATE  
 FILE

8/17/99

|                                 |                            |
|---------------------------------|----------------------------|
| PROJECT REFERENCE NO.<br>B-3684 | SHEET NO.<br>EC-10/CONST.5 |
| R/W SHEET NO.                   |                            |
| ROADWAY DESIGN ENGINEER         | HYDRAULICS ENGINEER        |

-L-

|                                   |                                       |                                   |
|-----------------------------------|---------------------------------------|-----------------------------------|
| Pls Sta 17+67.66                  | Pls Sta 22+24.27                      | Pls Sta 26+57.80                  |
| $\Theta s = 3^{\circ} 25' 14.3''$ | $\Delta = 33^{\circ} 29' 59.0''$ (LT) | $\Theta s = 3^{\circ} 25' 14.3''$ |
| $Ls = 160.00'$                    | $D = 4' 16' 32.9''$                   | $Ls = 160.00'$                    |
| $LT = 106.69'$                    | $L = 783.47'$                         | $LT = 106.69'$                    |
| $ST = 53.35'$                     | $T = 403.29'$                         | $ST = 53.35'$                     |
|                                   | $R = 1,340.00'$                       |                                   |
|                                   | $Se = 0.06$                           |                                   |

NOTE:  
UTILIZE SPECIAL STILLING BASIN WHERE APPLICABLE.

30 x 11 x 3  
1.5 inch Skimmer  
with 0.875 inch  
Orifice Diameter  
4 ft. weir  
ID 5.3B

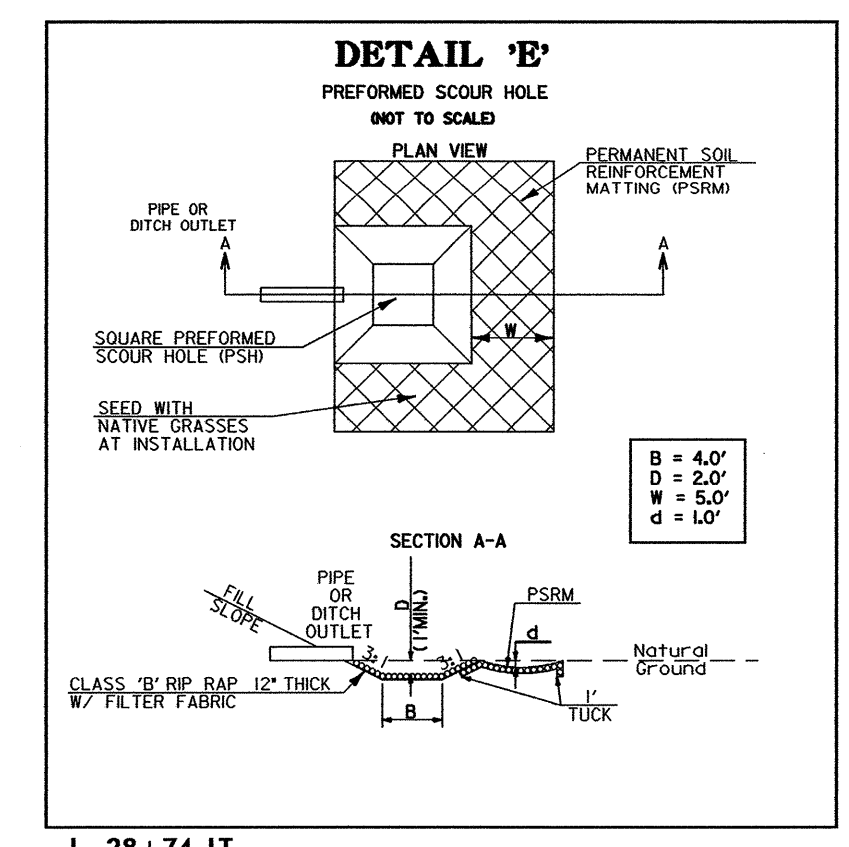
43 x 17 x 3  
1.5 inch Skimmer  
with 1.375 inch  
Orifice Diameter  
6 ft. weir  
ID 5.4B

39 x 13 x 3  
ID 5.2B

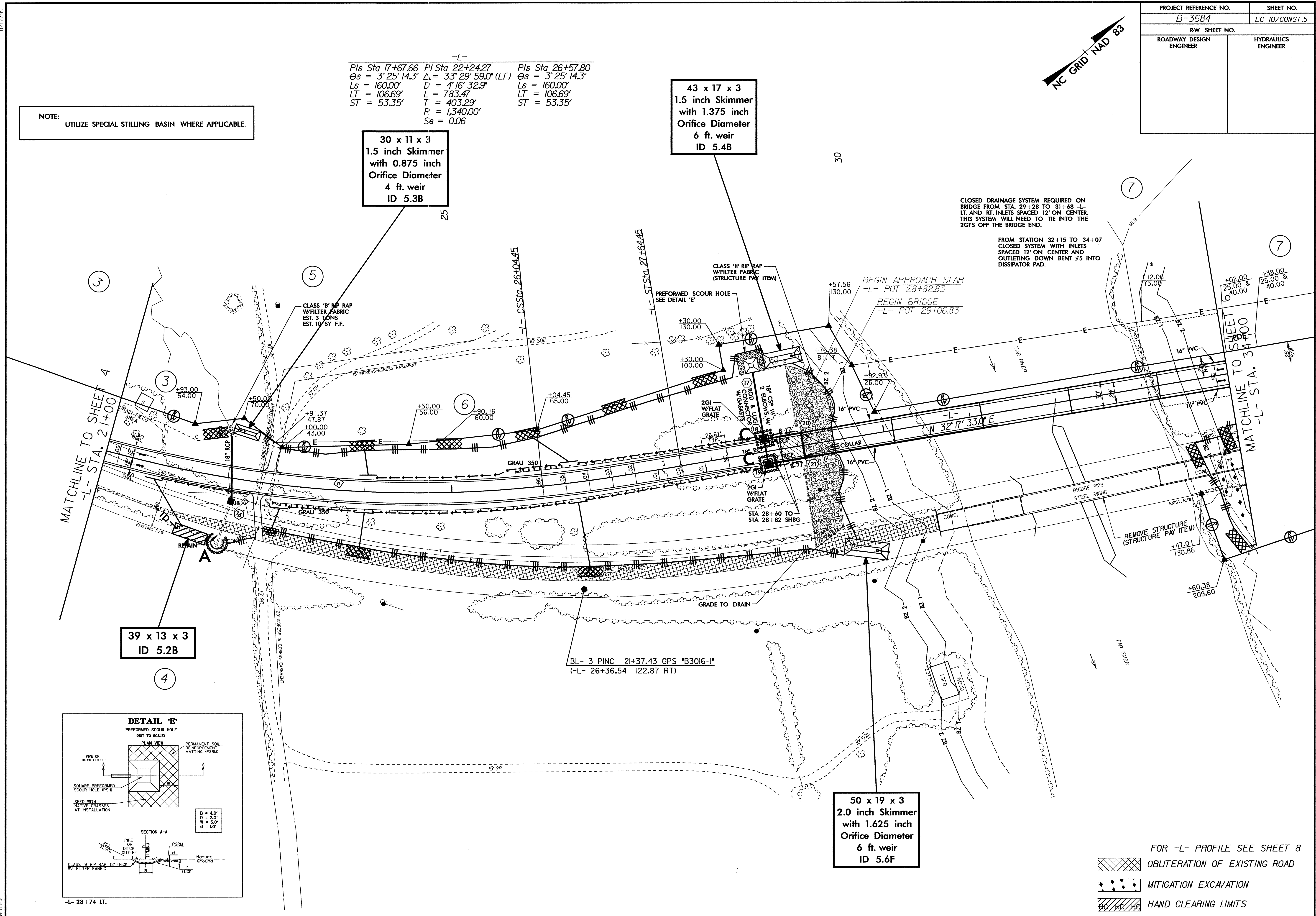
50 x 19 x 3  
2.0 inch Skimmer  
with 1.625 inch  
Orifice Diameter  
6 ft. weir  
ID 5.6F

CLOSED DRAINAGE SYSTEM REQUIRED ON  
BRIDGE FROM STA. 29+28 TO 31+68 -L-  
LT. AND RT. INLETS SPACED 12' ON CENTER.  
THIS SYSTEM WILL NEED TO TIE INTO THE  
ZGS OFF THE BRIDGE END.

FROM STATION 32+15 TO 34+07  
CLOSED SYSTEM WITH INLETS  
SPACED 12' ON CENTER AND  
OUTLETING DOWN BENT #5 INTO  
DISSIPATOR PAD.



- FOR -L- PROFILE SEE SHEET 8
- OBLITERATION OF EXISTING ROAD
- MITIGATION EXCAVATION
- HAND CLEARING LIMITS



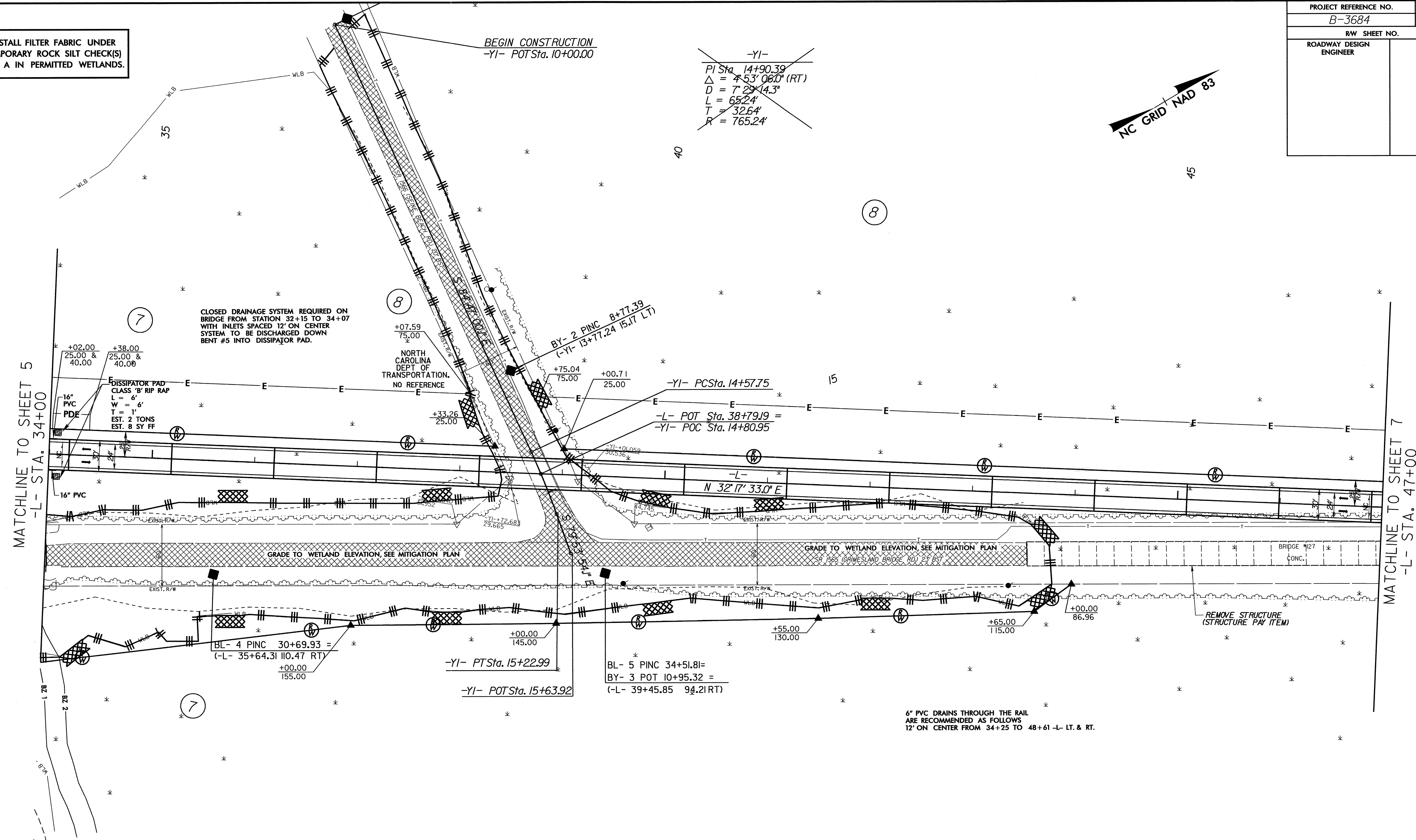
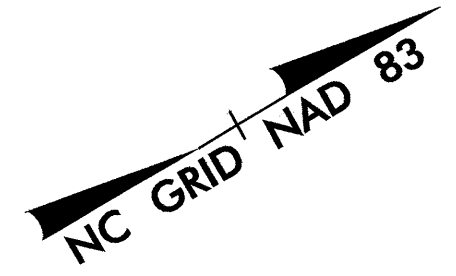
\$DATE\$  
\$FILE\$

|                                 |                            |
|---------------------------------|----------------------------|
| PROJECT REFERENCE NO.<br>B-3684 | SHEET NO.<br>EC-II/CONST.6 |
| RW SHEET NO.                    |                            |
| ROADWAY DESIGN ENGINEER         | HYDRAULICS ENGINEER        |

INSTALL FILTER FABRIC UNDER TEMPORARY ROCK SILT CHECK(S) TYPE A IN PERMITTED WETLANDS.

BEGIN CONSTRUCTION  
-YI- POTSta. 10+00.00

~~-YI-~~  
PI Sta. 14+90.39  
 $\Delta = 453' 06.0" (RT)$   
 $D = 7' 29" 14.3"$   
 $L = 68.24'$   
 $T = 32.64'$   
 $R = 765.24'$



MATCHLINE TO SHEET 5  
-L- STA. 34+00

MATCHLINE TO SHEET 7  
-L- STA. 47+00

CLOSED DRAINAGE SYSTEM REQUIRED ON BRIDGE FROM STATION 32+15 TO 34+07 WITH INLETS SPACED 12' ON CENTER SYSTEM TO BE DISCHARGED DOWN BENT #5 INTO DISSIPATOR PAD.

DISSIPATOR PAD  
CLASS 'B' RIP RAP  
L = 6'  
W = 6'  
T = 1'  
EST. 2 TONS  
EST. 8 SY FF

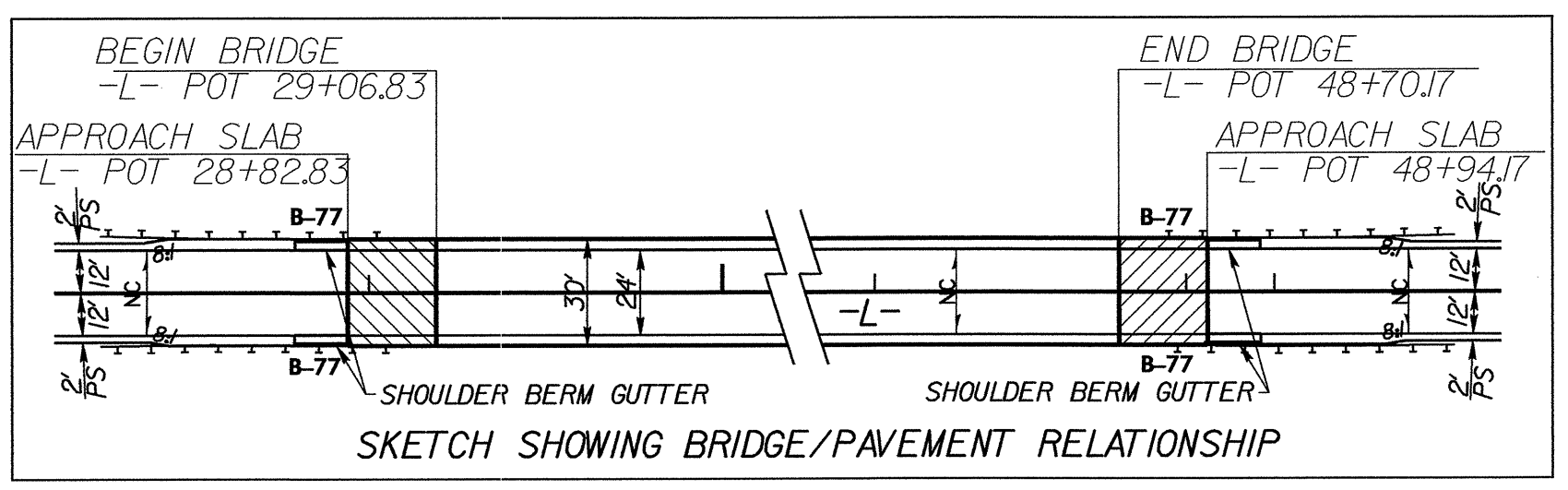
NORTH CAROLINA DEPT OF TRANSPORTATION  
NO REFERENCE

BL- 4 PINC 30+69.93 =  
(-L- 35+64.31 110.47 RT)

-YI- POTSta. 15+22.99  
-YI- POTSta. 15+63.92

BL- 5 PINC 34+51.81 =  
BY- 3 POT 10+95.32 =  
(-L- 39+45.85 94.21 RT)

6\"/>

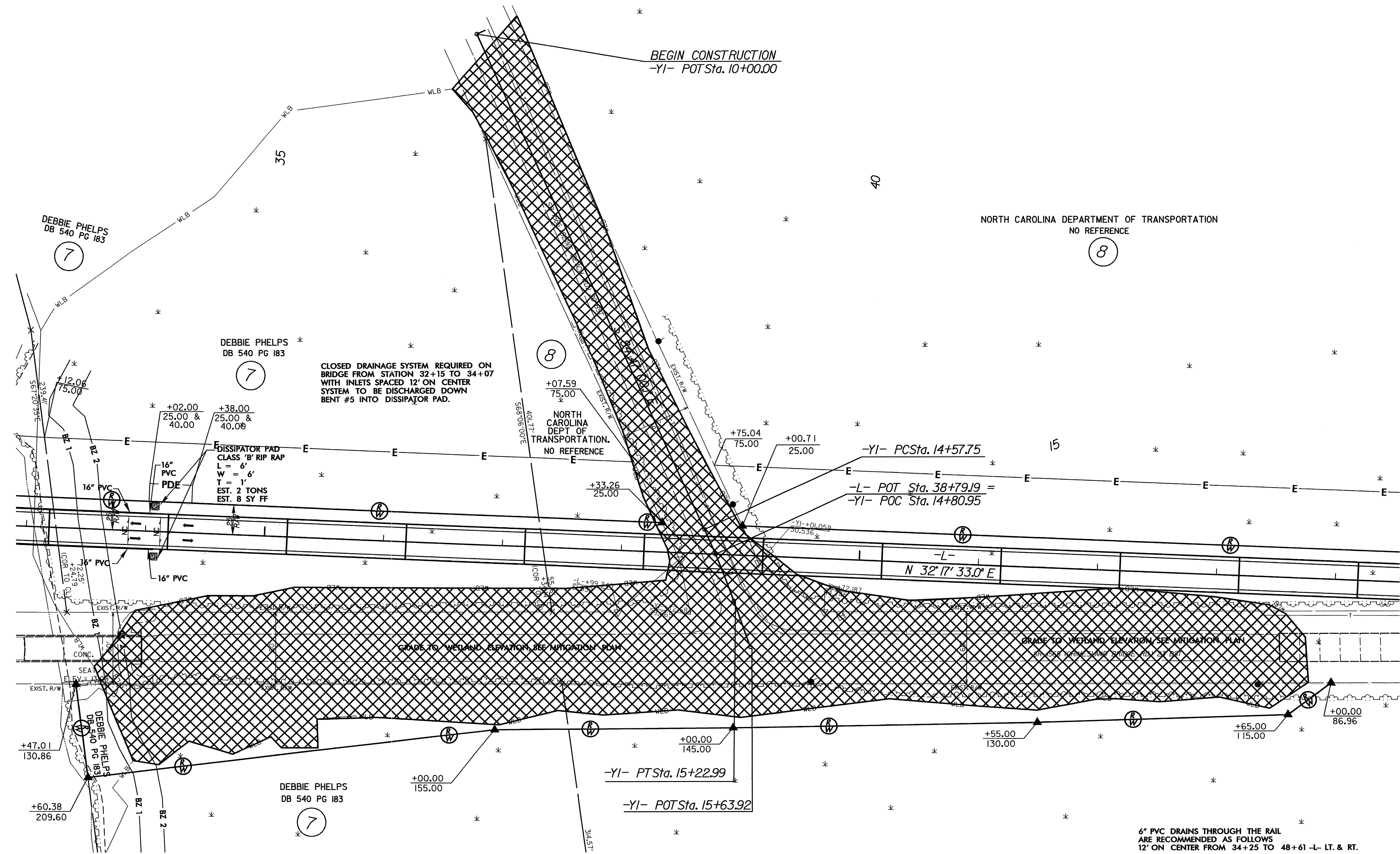


- FOR -L- PROFILE SEE SHEET 8 & 9
- OBLITERATION OF EXISTING ROAD
- MITIGATION EXCAVATION
- HAND CLEARING LIMITS

8/17/99 #DATE# #FILE#

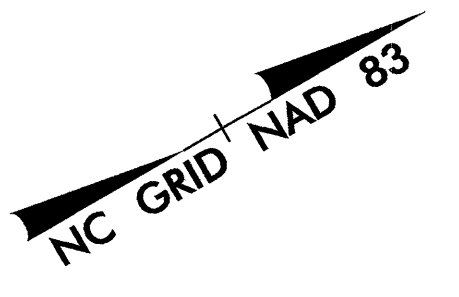
# 3.05 ACRES WETLAND REFORESTATION

|                                 |                            |
|---------------------------------|----------------------------|
| PROJECT REFERENCE NO.<br>B-3684 | SHEET NO.<br>EC-12/CONST.6 |
| RW SHEET NO.                    |                            |
| ROADWAY DESIGN ENGINEER         | HYDRAULICS ENGINEER        |



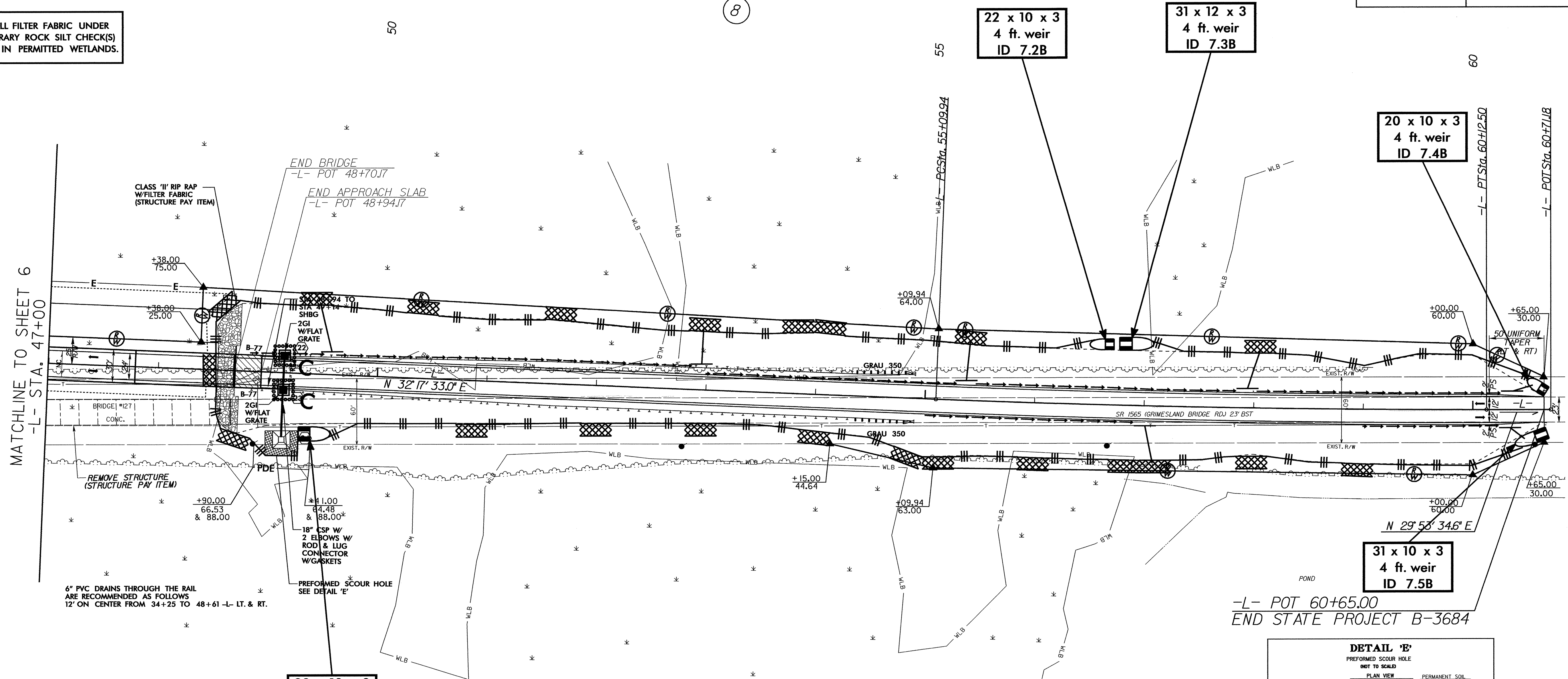
SEE RF-1 AND PROJECT SPECIAL PROVISIONS

|                                 |                            |
|---------------------------------|----------------------------|
| PROJECT REFERENCE NO.<br>B-3684 | SHEET NO.<br>EC-13/CONST.7 |
| RW SHEET NO.                    |                            |
| ROADWAY DESIGN ENGINEER         | HYDRAULICS ENGINEER        |



INSTALL FILTER FABRIC UNDER  
TEMPORARY ROCK SILT CHECK(S)  
TYPE A IN PERMITTED WETLANDS.

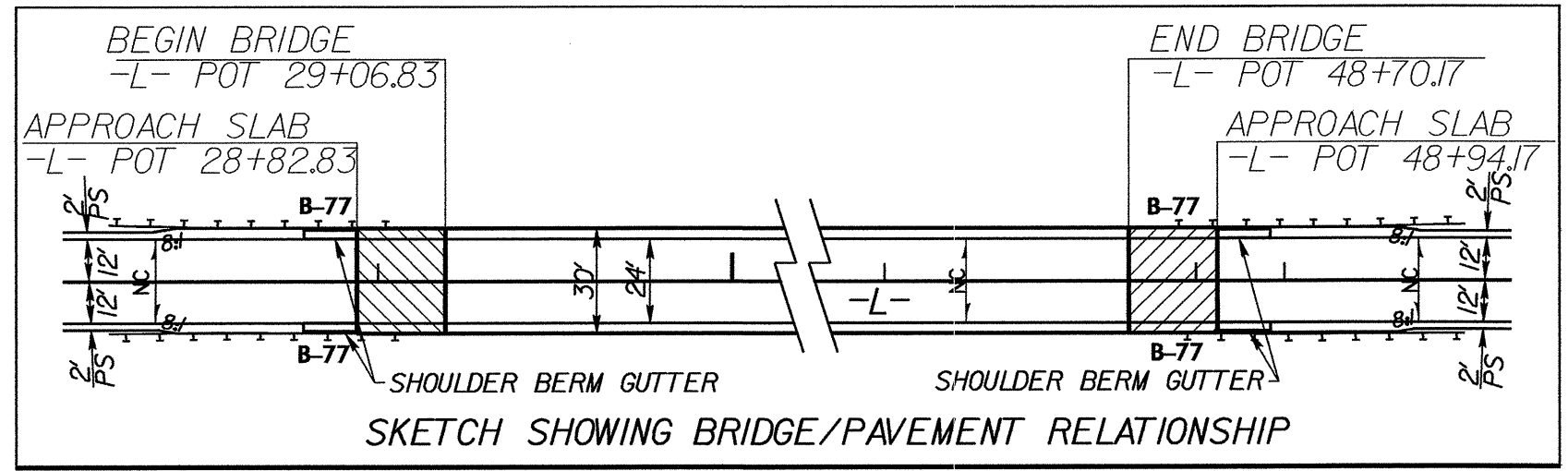
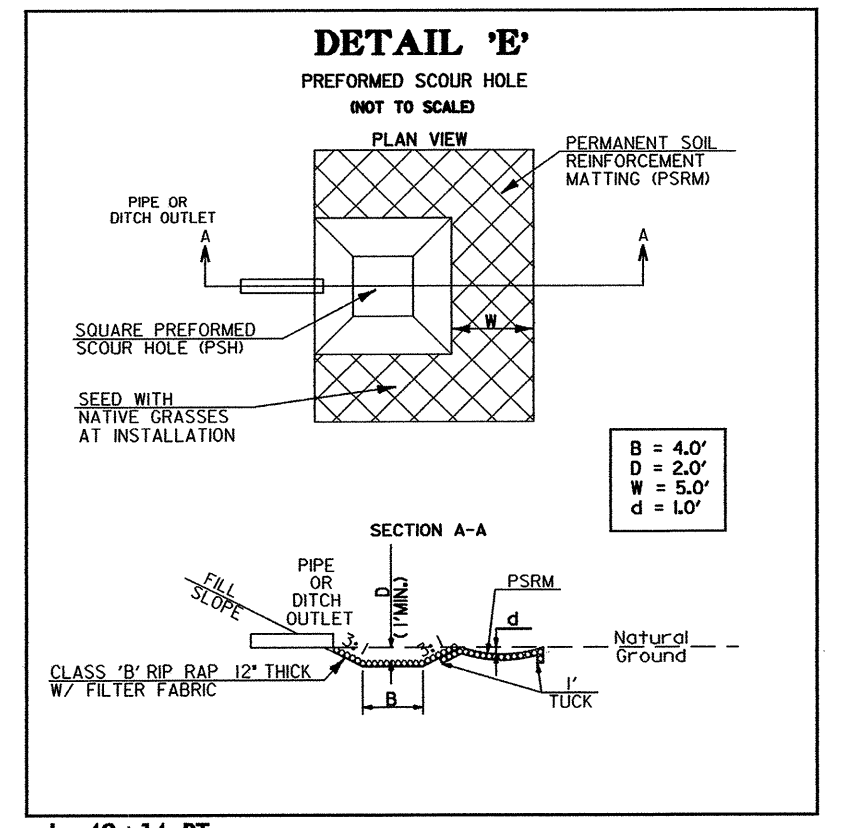
MATCHLINE TO SHEET 6  
-L- STA. 47+00



6\"/>

29 x 13 x 3  
4 ft. weir  
ID 7.1B

-L- POT 60+65.00  
END STATE PROJECT B-3684



-L-  
PI Sta 57+61.26  
 $\Delta = 2' 23'' 58.4''$  (LT)  
D = 0' 28'' 38.9''  
L = 502.56'  
T = 251.32'  
R = 12,000.00'  
Se = NC

- FOR -L- PROFILE SEE SHEET 9
- OBLITERATION OF EXISTING ROAD
  - MITIGATION EXCAVATION
  - HAND CLEARING LIMITS

REVISIONS

8/17/99