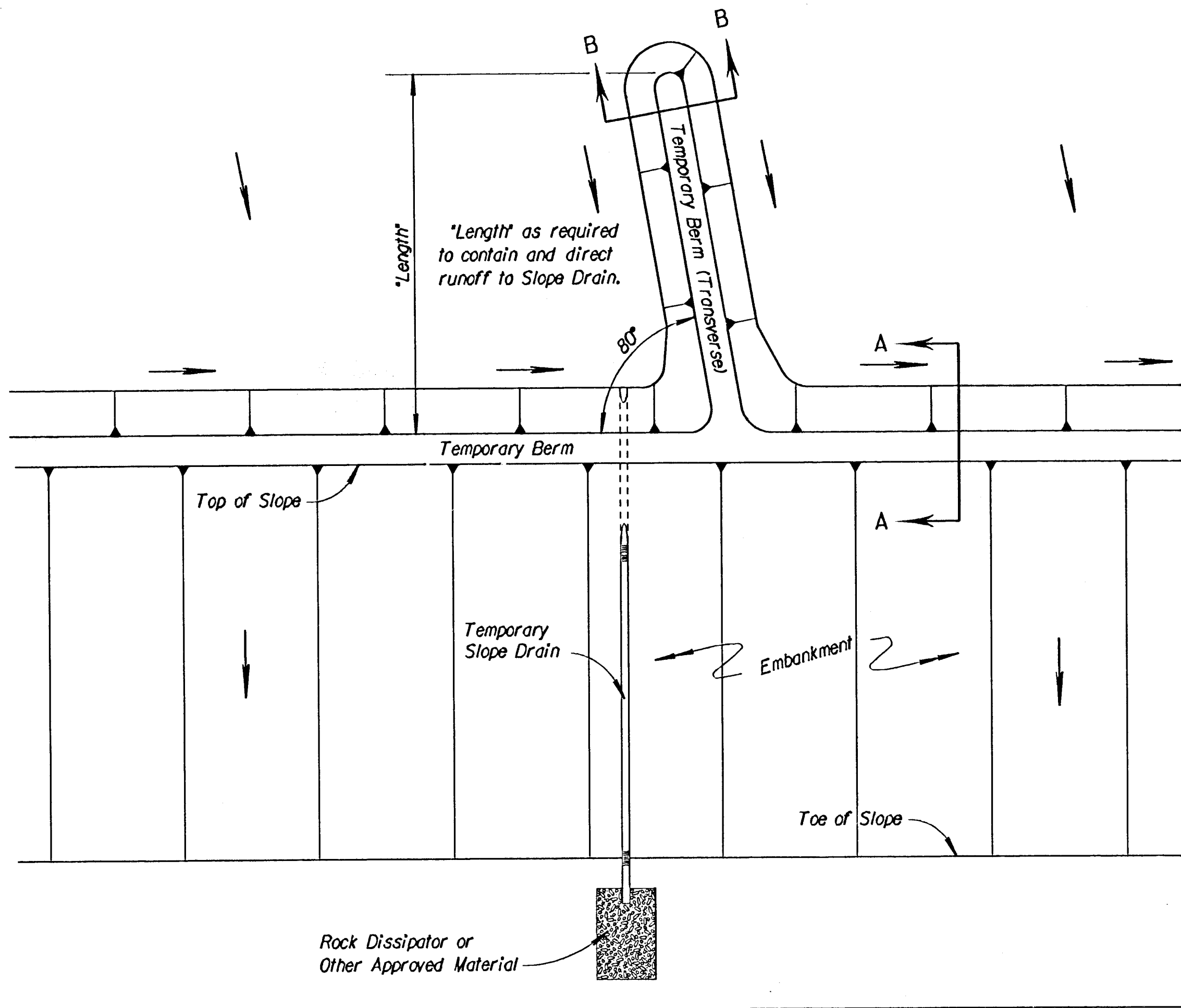
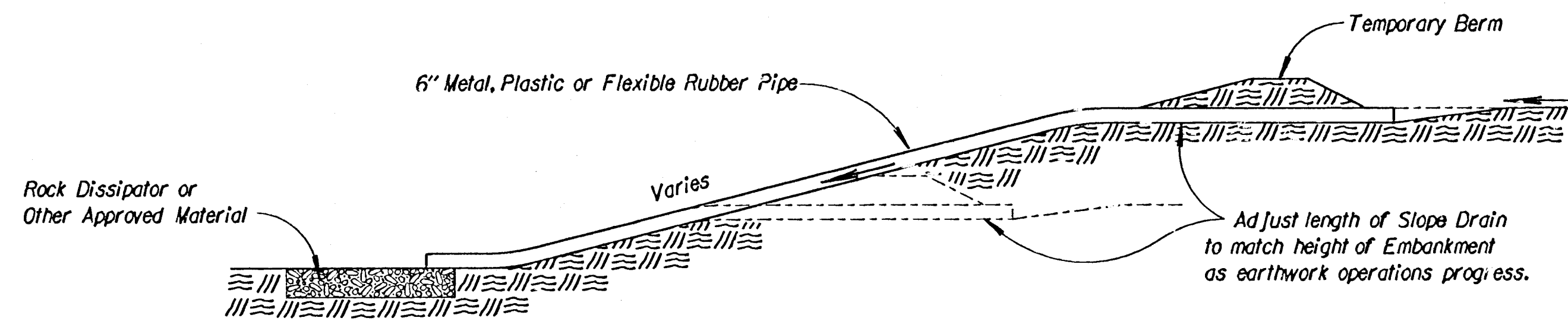


| FHWA REGION NO. | STATE  | PROJECT NO.  | YEAR | SHEET NO. | TOTAL SHEETS |
|-----------------|--------|--------------|------|-----------|--------------|
| 7               | KANSAS | 87 N.O.37-01 | 1997 | 92        | 94           |

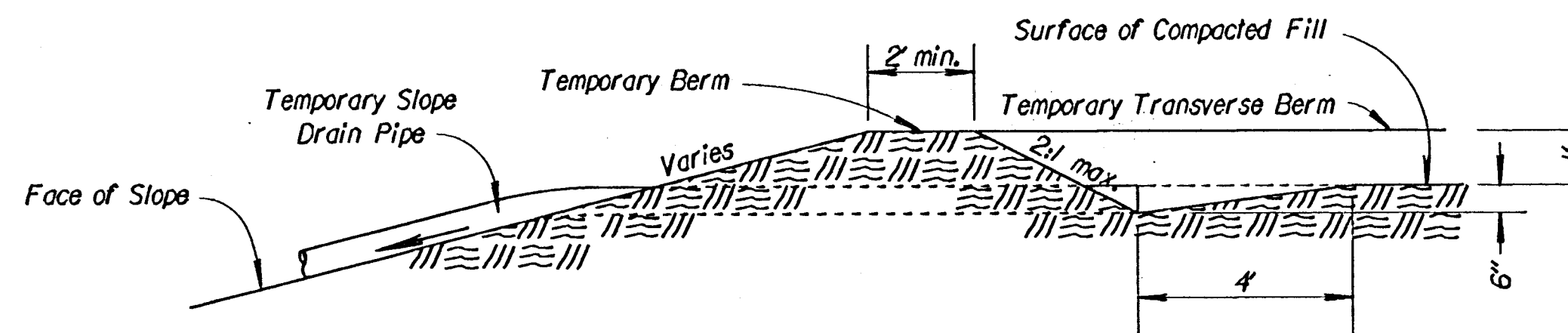
- NOTES:
- 1) Temporary Slope Drain and Temporary Berm may be used on either project foreslopes or project backslopes.
  - 2) Discharge of Slope Drains shall be into stabilized ditch or area, or into Sediment Basin.
  - 3) Pipe shall be secured in place as approved by Engineer.



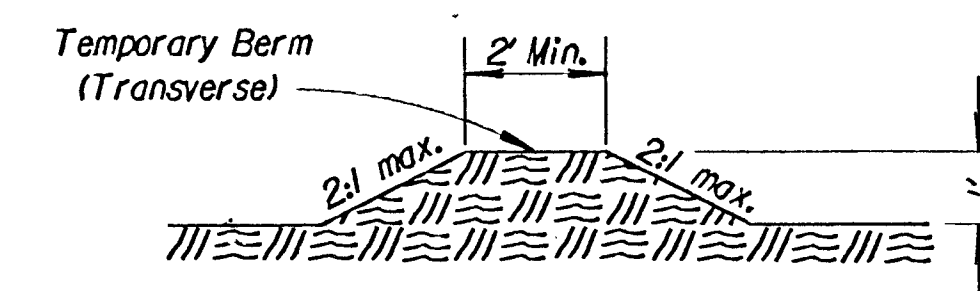
TYPICAL PLAN VIEW OF  
TEMPORARY BERM AND  
TEMPORARY SLOPE DRAIN  
NO SCALE



TYPICAL PROFILE OF TEMPORARY SLOPE DRAIN  
NO SCALE

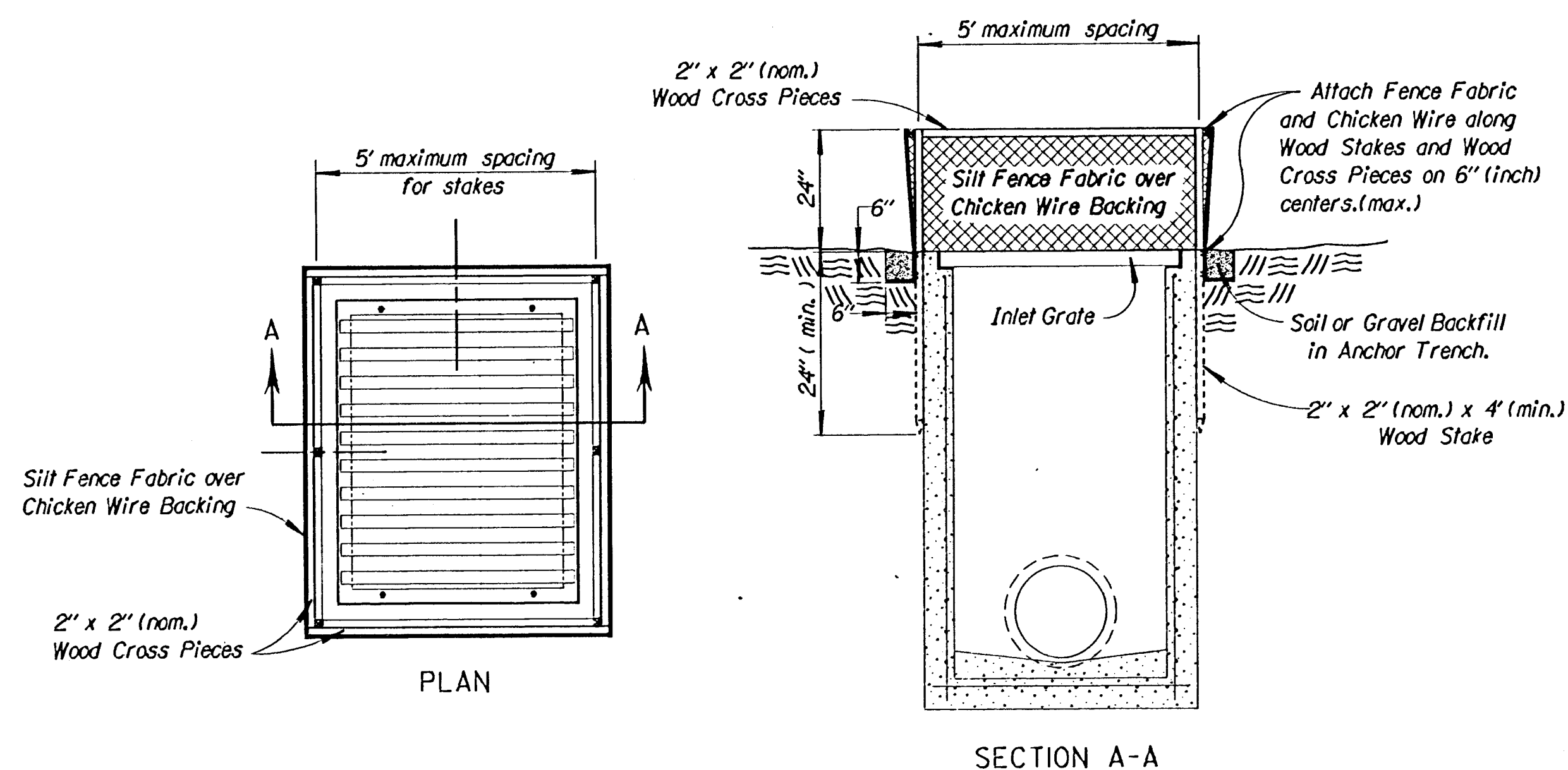


SECTION A-A  
NO SCALE

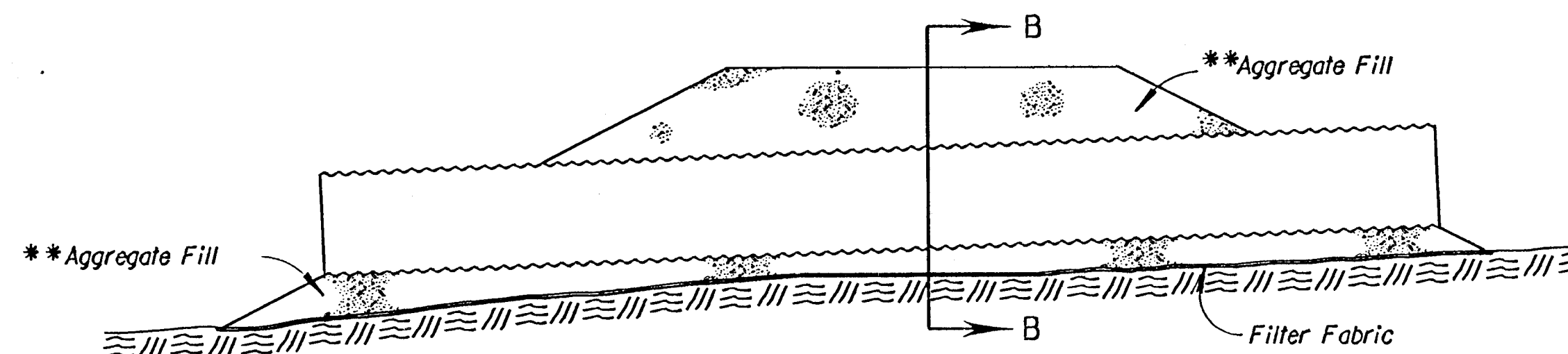


SECTION B-B  
NO SCALE

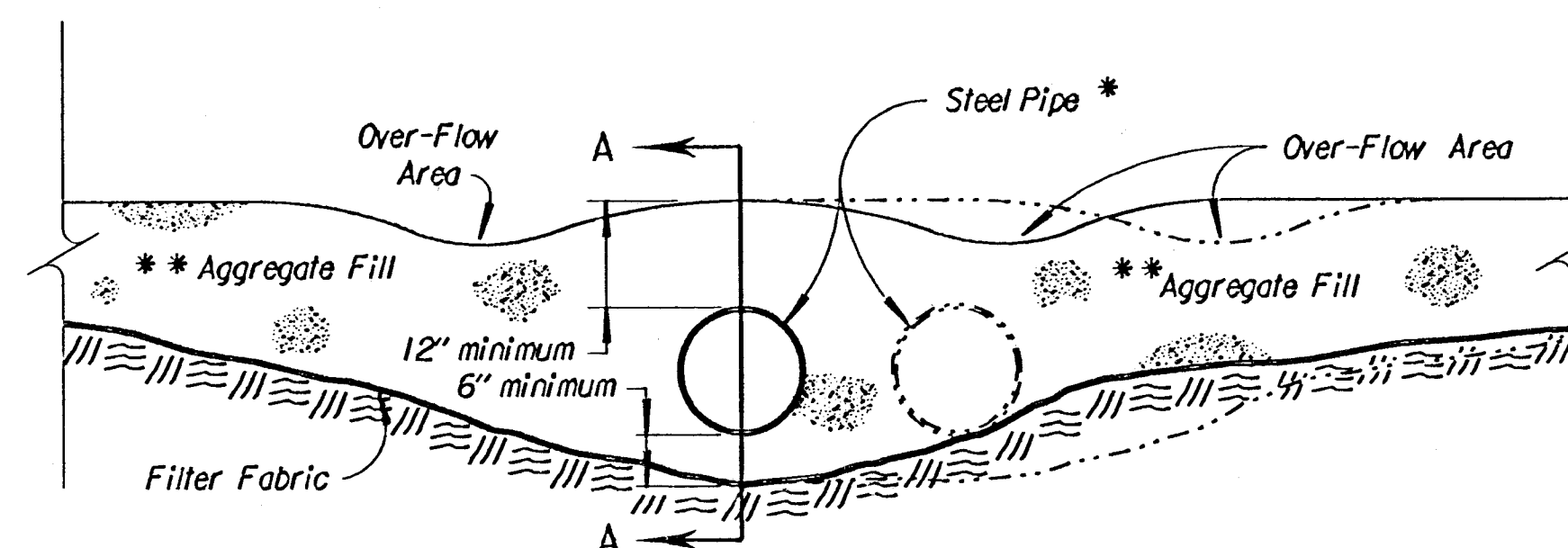
TYPICAL PROFILE OF TEMPORARY BERM  
NO SCALE



TEMPORARY INLET SEDIMENT BARRIER  
NO SCALE



SECTION A-A



SECTION B-B

TEMPORARY STREAM CROSSING  
NO SCALE

- \* NOTE:  
Quantity, length and diameter of steel pipe  
to be determined by design flow calculations.
- \*\* NOTE:  
Alternate fill material may be used upon  
the approval of the Bureau of Construction  
and Maintenance, Field Construction Engineer.

|                                         |                |                               |                 |       |  |
|-----------------------------------------|----------------|-------------------------------|-----------------|-------|--|
| 3                                       |                |                               |                 |       |  |
| 2                                       |                |                               |                 |       |  |
| 1                                       | 3/13/97        | Revised Temp. Stream Crossing | WC              | RDR   |  |
| NO.                                     | DATE           | REVISIONS                     | BY              | APP'D |  |
| KANSAS DEPARTMENT OF TRANSPORTATION     |                |                               |                 |       |  |
| TEMPORARY PROJECT WATER                 |                |                               |                 |       |  |
| POLLUTION CONTROL                       |                |                               |                 |       |  |
| TEMPORARY SLOPE DRAIN, STREAM CROSSING, |                |                               |                 |       |  |
| INLET SEDIMENT BARRIER                  |                |                               |                 |       |  |
| LA852C                                  |                |                               |                 |       |  |
| F.H.W.A. APPROVAL                       | 4/02/97        | APP'D                         | Richard D. Ross |       |  |
| DESIGNED                                | WCL DETAILED   | DEL QUANTITIES                | TRACED          | DEL   |  |
| DESIGN CK.                              | RDR DETAIL CK. | WCL QUAN CK.                  | TRACE CK.       | WCL   |  |