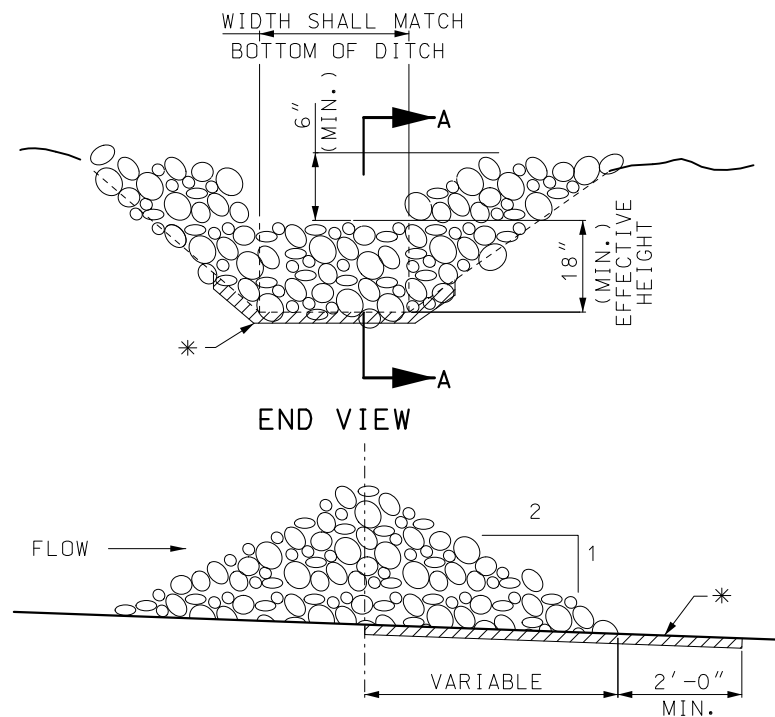


### ROCK DITCH CHECK



SECTION A-A

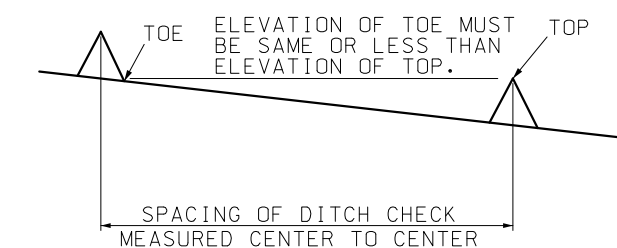
\* GEOTEXTILE LINING MAY BE INSTALLED AS REQUIRED BY THE ENGINEER.

NOTE:

ROCK DITCH CHECK IN THE CLEAR ZONE SHALL BE REMOVED OR LEVELED (IF ALLOWABLE) AFTER THE VEGETATION HAS SUFFICIENTLY MATURED TO PROTECT THE DITCH OR SWALE.

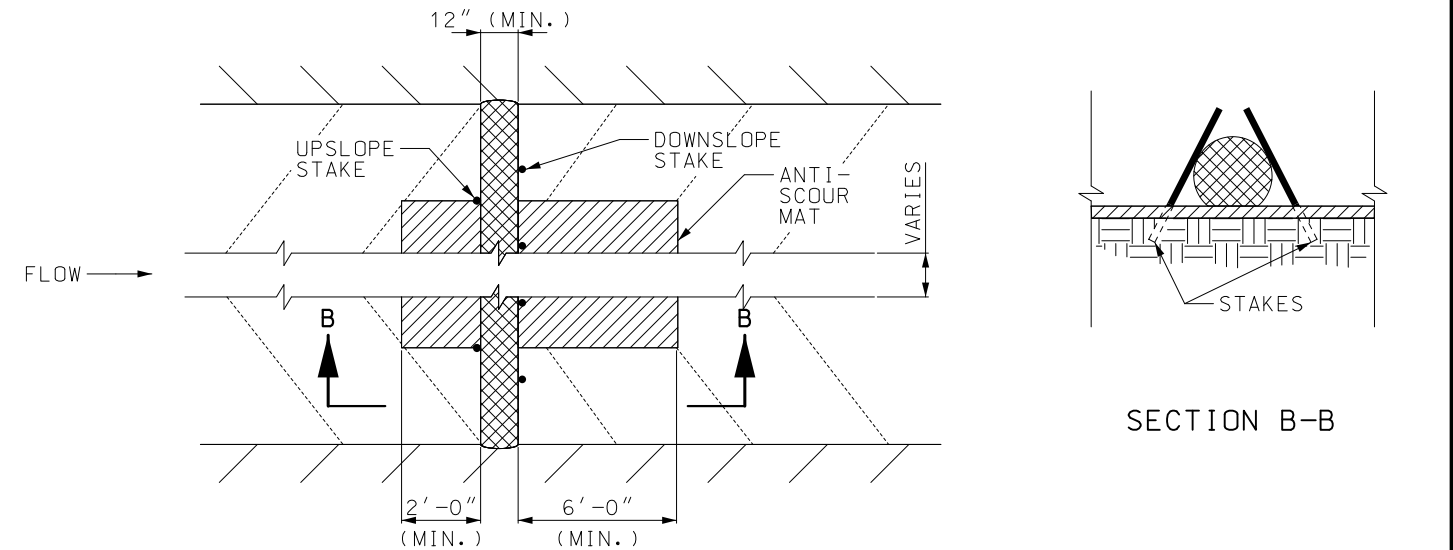
### EXAMPLE DITCH CHECK SPACING FOR STANDARD HEIGHTS (FT.)

DITCH & SLOPE %	SPACING FOR 9" EFF. HEIGHT	SPACING FOR 18" EFF. HEIGHT
0.5	150	300
1.0	75	150
1.5	50	100
2.0	37	75
2.5	30	60
3.0	25	50
3.5	21	43
4.0	19	38
4.5	16	33
5.0	15	30
5.5	13	27
6.0	12	25
6.5	11	23
7.0	10	21
7.5	10	20
8.0	9	19
8.5	9	18
9.0	8	17
9.5	8	16
10.0	7	15



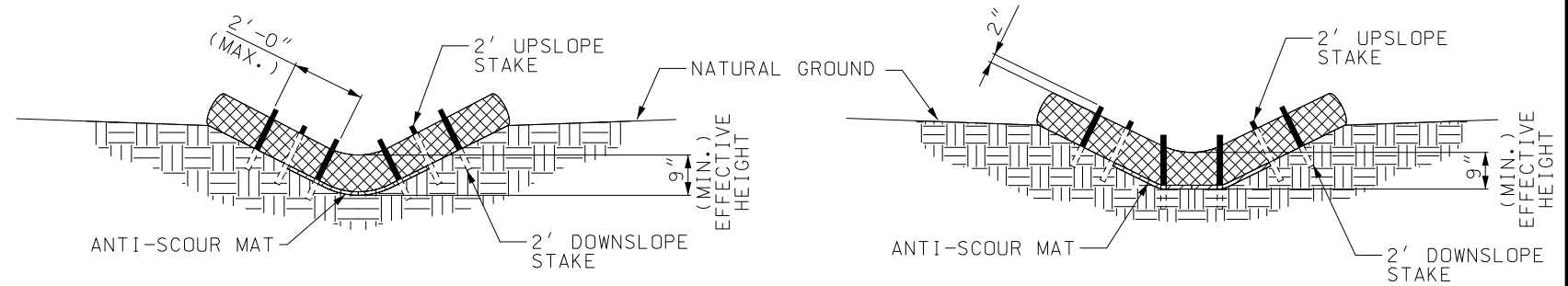
MINIMUM DITCH CHECK SPACING

### ALTERNATE DITCH CHECK



PLAN VIEW

SECTION B-B



TYPICAL SECTION VEE DITCH

TYPICAL SECTION TRAPEZOIDAL DITCH

NOTES:

THE INITIAL HEIGHT OR DIAMETER OF ANY ALTERNATE DITCH CHECK SHALL ACCOUNT FOR SAGGING TO ENSURE THAT THE MINIMUM EFFECTIVE HEIGHT OF 9" IS MAINTAINED THROUGHOUT THE LIFE OF THE DEVICE. ANY DEVICES THAT FALL BELOW THE 9" EFFECTIVE HEIGHT SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. LOGS, ROLLS AND SOCKS SHALL HAVE AN INITIAL HEIGHT NO LESS THAN 12" OR AS NEEDED TO MAINTAIN THE MINIMUM REQUIRED EFFECTIVE HEIGHT.

USE 2' WOODEN STAKES WITH A 2" x 2" NOMINAL CROSS SECTION.

INSTALL LOG/SOCK TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND LOG/SOCK AND SCOUR DITCH SLOPES OR AS DIRECTED BY ENGINEER.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE LOG/SOCK TO BOTTOM OF DITCH.

ANTI-SCOUR MAT FOR ALTERNATE DITCH CHECKS, WHEN REQUIRED PER THE SWPPP, MAY BE ANY ALLOWABLE TYPE OF EROSION CONTROL BLANKET OR TURF REINFORCEMENT MAT. STAKING SHALL BE SUFFICIENT TO HOLD MAT IN PLACE. THE COST OF THE MAT IS CONSIDERED INCIDENTAL TO THE ALTERNATE DITCH CHECK.

GENERAL NOTES:

OTHER PROPRIETARY DITCH CHECKS MAY BE SUBSTITUTED IN ACCORDANCE WITH SEC 806 OR AS DIRECTED BY THE ENGINEER.

INSTALLATION OF PROPRIETARY DITCH CHECKS SHALL BE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

**MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION**

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

**TEMPORARY EROSION CONTROL MEASURES**

**TEMPORARY DITCH CHECKS**

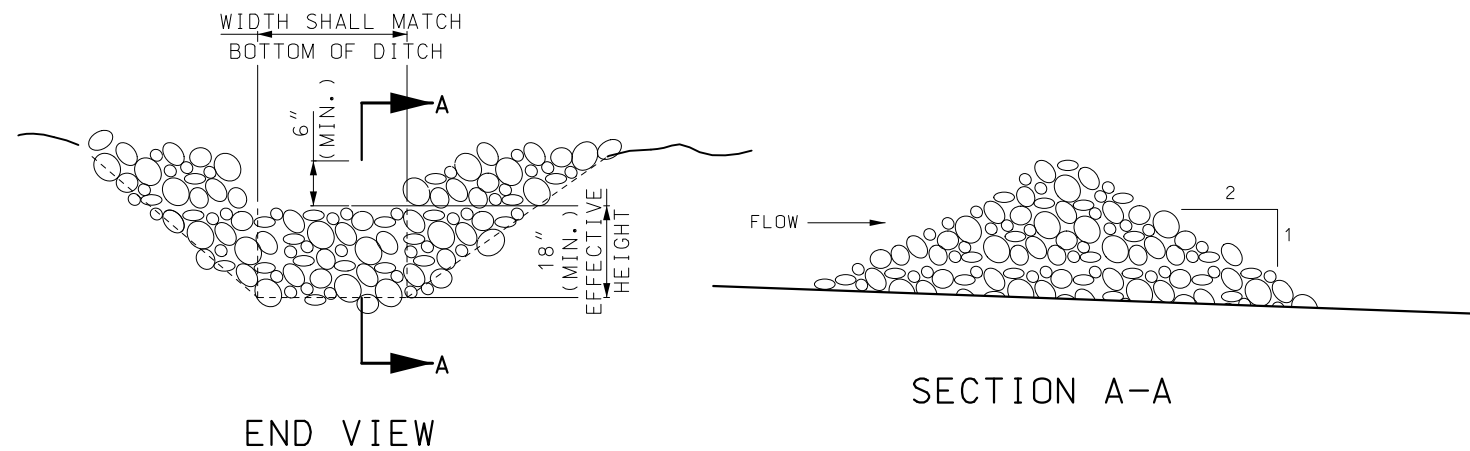
*Sarah Kleinschmit*  
SARAH K. KLEINSCHMIT - CIVIL  
MO-PE-2007002808

DATE EFFECTIVE: 4/1/2026

DATE PREPARED: 12/22/2025

**806.10L**

SHEET NO.  
1 OF 6



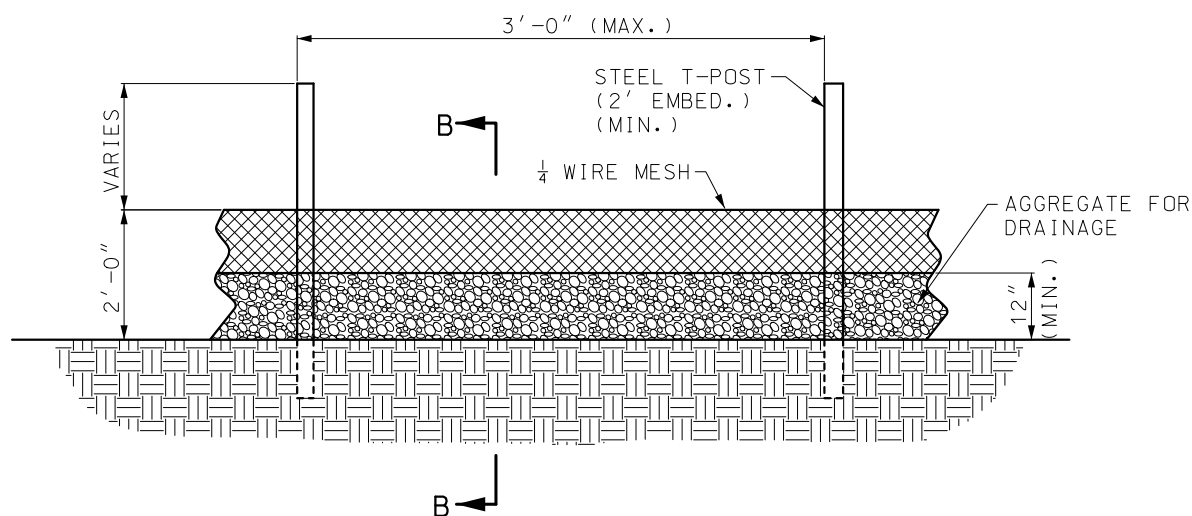
END VIEW

SECTION A-A

NOTE:

**SEDIMENT TRAP**

SEDIMENT TRAP IN THE CLEAR ZONE SHALL BE REMOVED OR LEVELED (IF ALLOWABLE) AFTER THE VEGETATION HAS SUFFICIENTLY MATURED TO PROTECT THE DITCH OR SWALE.



ELEVATION DETAIL

NOTES:

ROCK/MESH SEDIMENT CONTROL FENCE MAY BE NECESSARY, AS DETERMINED BY THE ENGINEER, IN ISOLATED AREAS WHERE PERIMETER SILT FENCE IS DEEMED INSUFFICIENT TO WITHSTAND SHEET FLOW. WHEN REQUIRED, IT WILL BE PAID PER LINEAR FOOT AS ROCK DITCH CHECK.

AGGREGATE FOR DRAINAGE SHALL BE IN ACCORDANCE WITH SEC 1009, GRADE 4 OR GRADE 5.

USE HARDWARE CLOTH 24 GAUGE WIRE MESH WITH 1/4 INCH MESH OPENINGS.

INSTALL 5 FT. T-POST WITH A 2 FOOT EMBEDMENT DEPTH (MIN.).

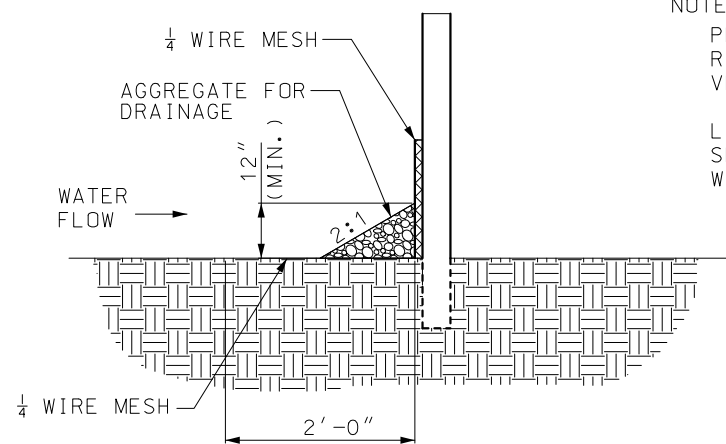
ATTACH HARDWARE CLOTH TO POST WITH WIRE STAPLE OR OTHER ACCEPTABLE METHODS.

SPACE POST A MAXIMUM OF 3 FT.

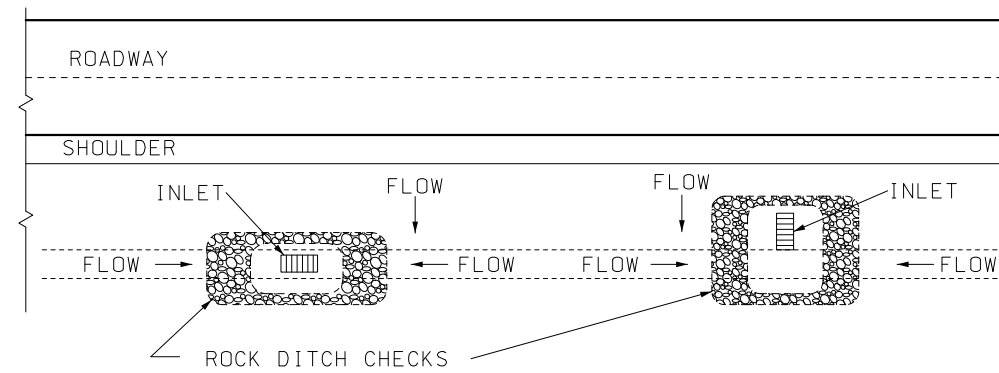
FOR INSTALLATION BETWEEN SECTIONS OF SILT FENCE, EXTEND AGGREGATE FOR DRAINAGE A MINIMUM OF 12 INCHES ON EACH SIDE OF SPECIAL SEDIMENT CONTROL FENCE SECTION.

ROCK/MESH SEDIMENT CONTROL FENCE MAY BE USED IN LIEU OF ROCK DITCH CHECK TO SURROUND AN INLET, AT NO ADDITIONAL COST TO THE COMMISSION.

**ROCK/MESH SEDIMENT CONTROL FENCE**

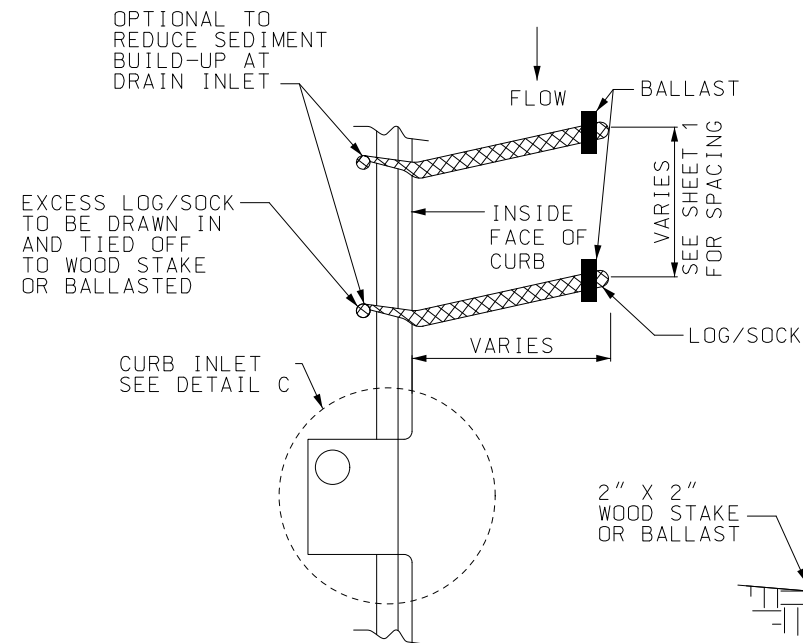


SECTION B-B

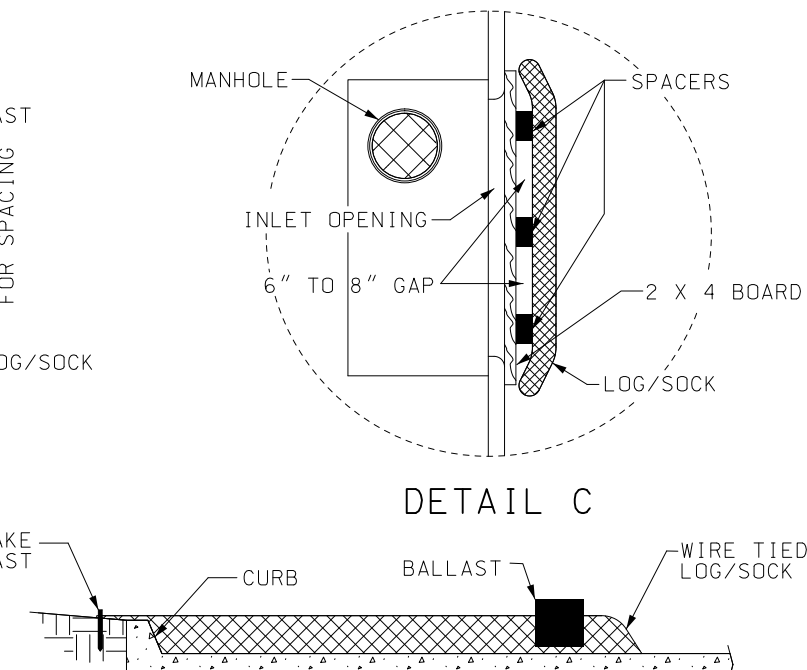


**DROP INLET CHECK**

SEE SHEET 1 OF 6 FOR DETAILS OF ROCK DITCH CHECK.



PLAN



DETAIL C

SECTION

**CURB INLET PROTECTION**

NOTES:

PRIOR TO PLACEMENT ALL DEBRIS, ROCK, LARGE CLOUDS AND WOOD VEGETATION SHALL BE CLEARED.

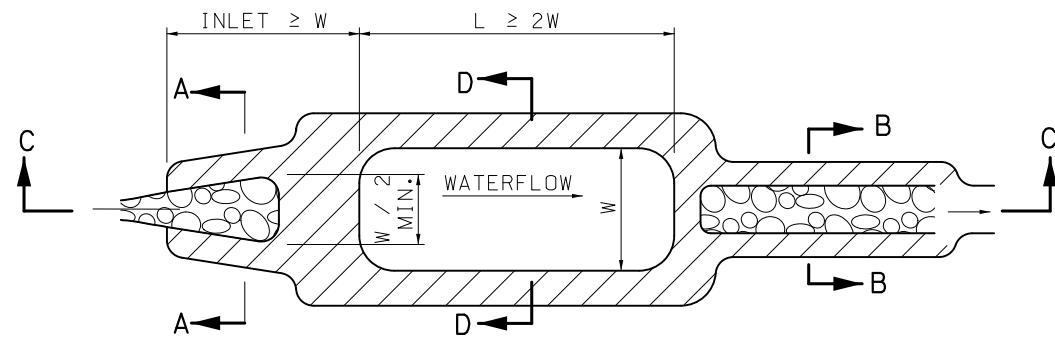
LOG/SOCK PLACED ON PAVEMENT SHALL BE WEIGHTED DOWN WITH GRAVEL/SAND BALLAST.

GENERAL NOTES:

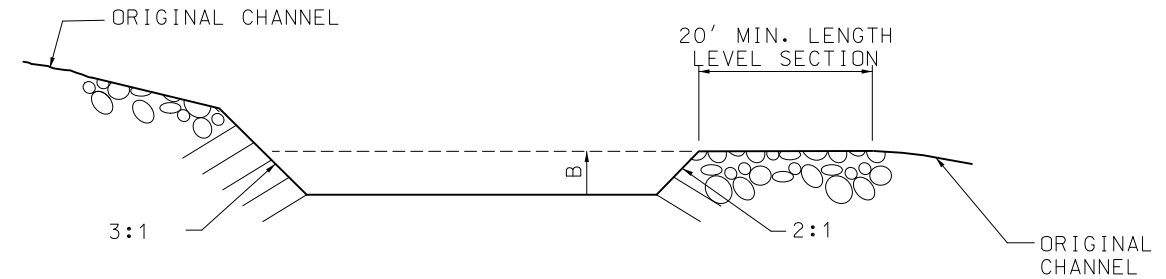
OTHER PROPRIETARY INLET PROTECTION MAY BE SUBSTITUTED IN ACCORDANCE WITH SEC 806 OR AS DIRECTED BY THE ENGINEER.

FOR SEDIMENT CONTROL SPACING SEE SHEET 1.

	<b>MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION</b>	
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	<b>TEMPORARY EROSION CONTROL MEASURES</b>	
	DATE EFFECTIVE: 4/1/2026 DATE PREPARED: 12/22/2025	<b>806.10L</b>

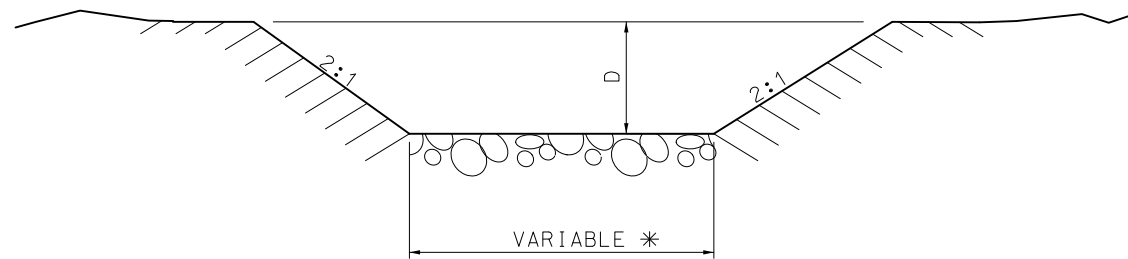


PLAN VIEW



SECTION C-C

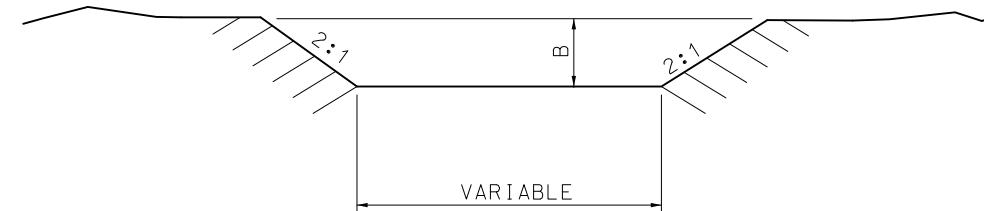
EFFECTIVE DEPTH "B" = MIN. 2', MAX. 6' DEPENDENT UPON CONFIGURATION REQUIRED BY LOCATION AND ESTIMATED VOLUME.



SECTION A-A  
INLET

D = 1.0' + DESIGN FLOW DEPTH-MIN.

\* VARIES FROM WIDTH OF STREAM AT INLET TO ONE-HALF WIDTH OF POND AT OUTLET.



SECTION D-D

GENERAL NOTES:

SEDIMENT BASINS ARE TO BE INCLUDED IN THE BMP SYSTEM WHEN THE GEOMETRY OF RIGHT-OF-WAY ALLOWS. WHERE INCLUDED, SEDIMENT BASINS ARE TO BE DESIGNED AND CONSTRUCTED TO PROVIDE STORAGE VOLUME FOR THE LOCAL 2-YR, 24-HOUR STORM FOR DISTURBED ACREAGE DRAINING TO THEM. IF THE DESIGN STORM VOLUME HAS NOT BEEN CALCULATED, BASINS ARE TO BE DESIGNED AND CONSTRUCTED TO PROVIDE A STORAGE VOLUME OF AT LEAST 3,600 CUBIC FEET PER DISTURBED ACRE DRAINING TO THE BASIN(S).

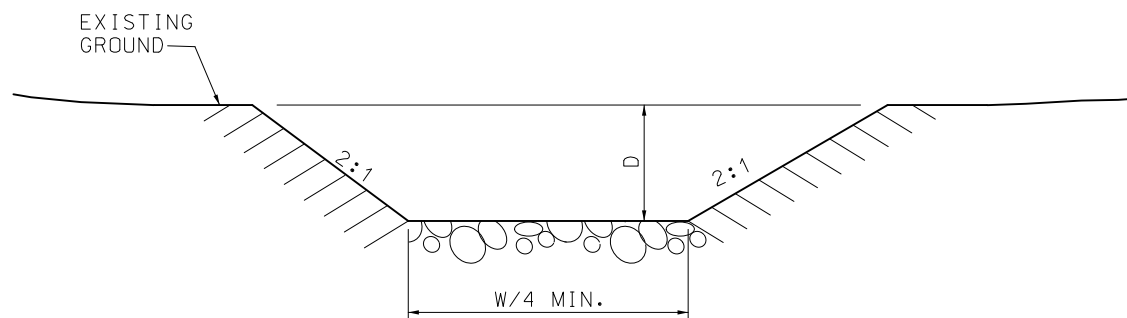
IF SEDIMENT BASIN IS TO BE PERMANENT ITS SLOPES SHALL BE STABILIZED WITH ROCK RIPRAP OR EQUIVALENT.

THE MATERIALS FOR ROCK RIPRAP SHALL MEET THE REQUIREMENTS OF SEC 611.30 FOR TYPE 2 ROCK BLANKET.



SEE PLANS FOR LENGTH, DEPTH AND WIDTH OF BASIN.

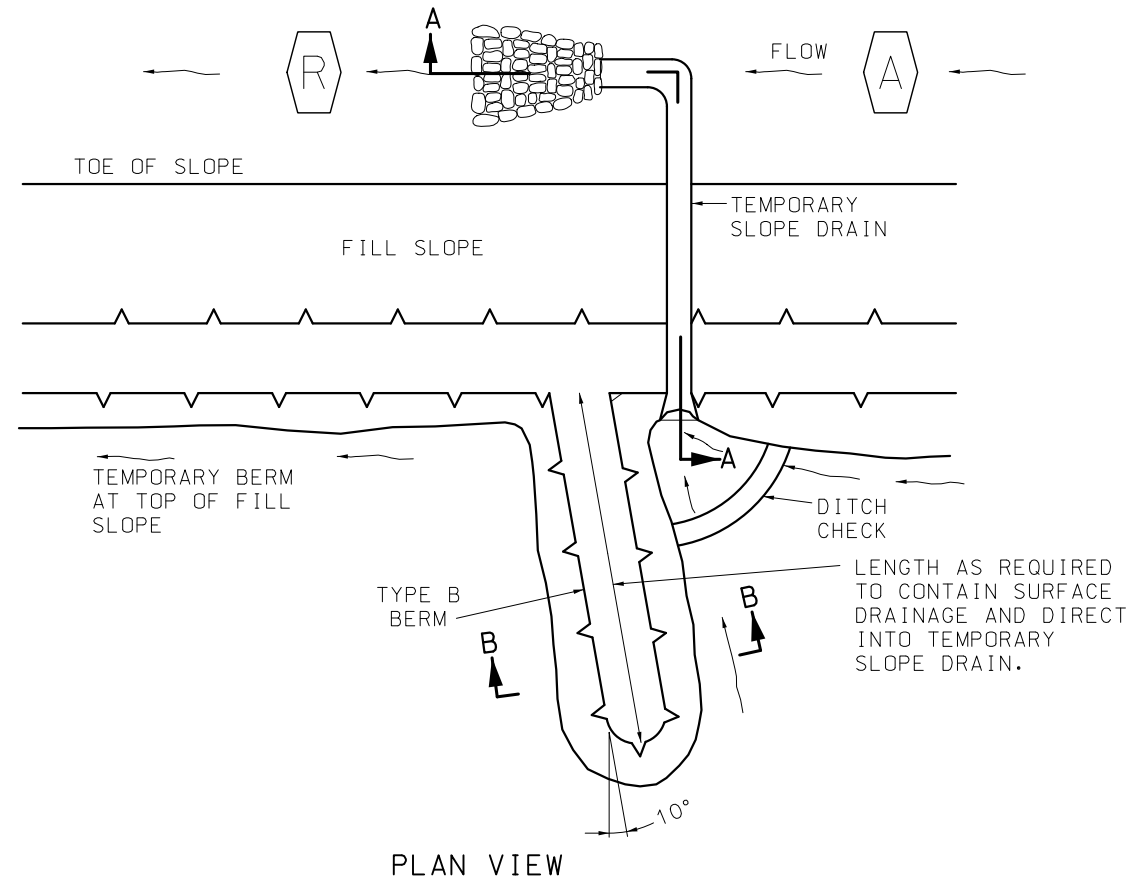
SEE PLANS FOR ESTIMATED QUANTITIES OF ROCK RIPRAP - CUBIC YARDS.

 LAYER OF APPROVED STABILIZING MATERIAL FOR SCOUR PREVENTION

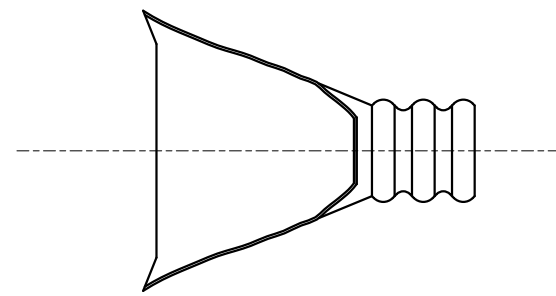


SECTION B-B  
OUTLET

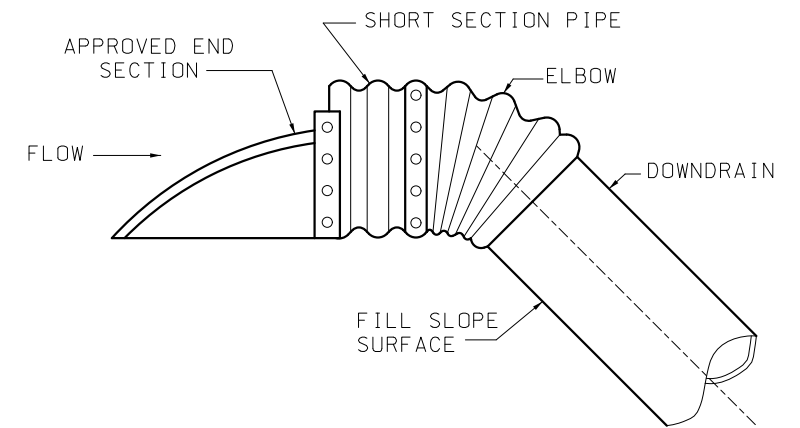
 <b>MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION</b> 105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	
	<p align="center"><b>TEMPORARY EROSION CONTROL MEASURES</b></p> <p align="center">SEDIMENT BASIN</p>
DATE EFFECTIVE: 4/1/2026 DATE PREPARED: 12/22/2025	<p align="center"><b>806.10L</b></p>
SHEET NO. 3 OF 6	



PLAN VIEW

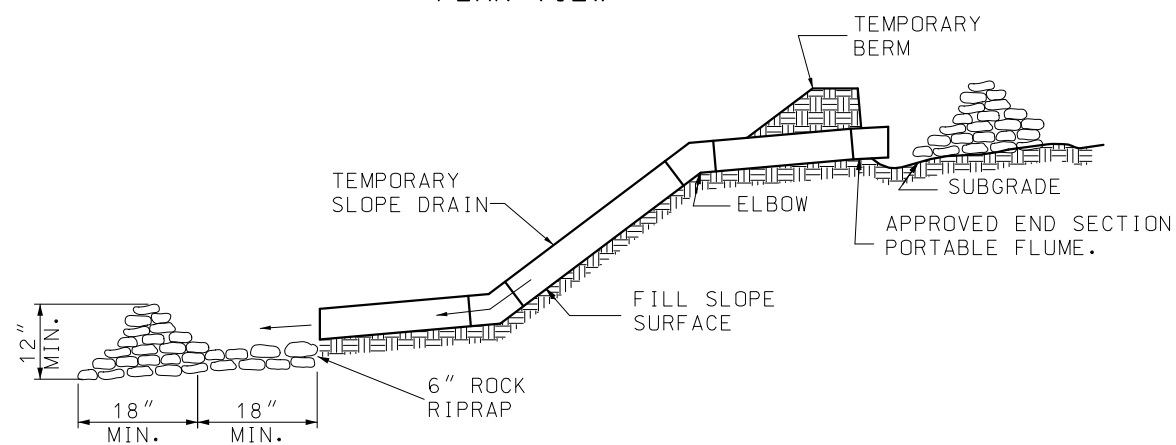


PLAN VIEW



SECTION VIEW

**TEMPORARY SLOPE DRAIN INLET TREATMENT**

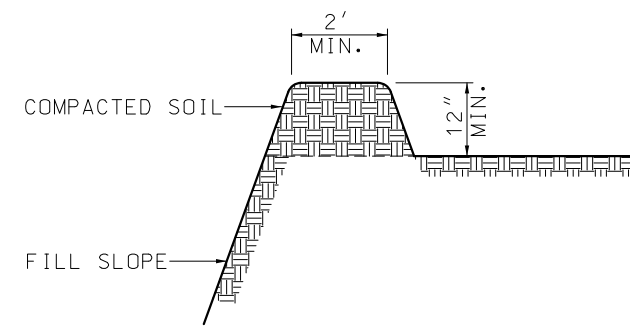


SECTION A-A

**TEMPORARY BERM**

(METAL, FLEXIBLE RUBBER OR PLASTIC PIPE)

NOTE:  
MAXIMUM LENGTH BETWEEN SLOPE DRAINS SHALL BE APPROXIMATELY 500 FEET.

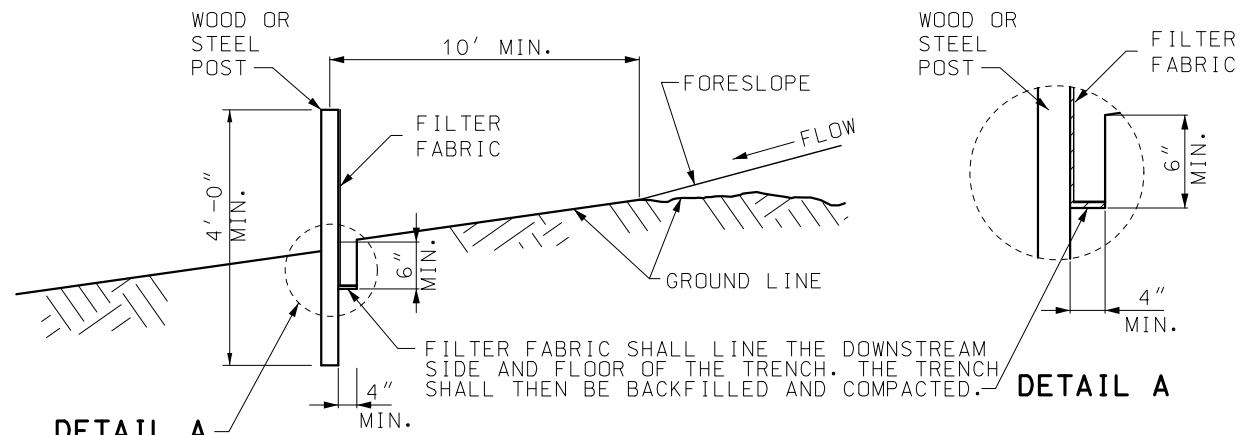


SECTION B-B  
TYPE B BERM

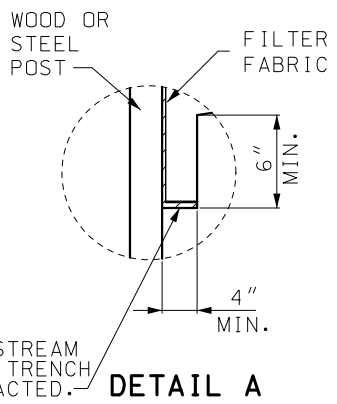
NOTE:

IN SOME CASES IT MAY BE NECESSARY TO EMBED METAL OR PLASTIC PIPE INTO THE FILL SLOPE TO SECURE PROPER ANCHORAGE.

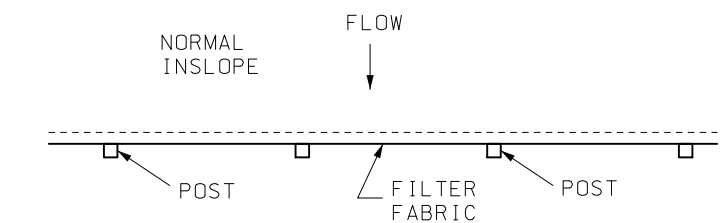
	<b>MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION</b>	
	105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	
	<b>TEMPORARY EROSION CONTROL MEASURES</b> SLOPE DRAINS	
	DATE EFFECTIVE: 4/1/2026 DATE PREPARED: 12/22/2025	<b>806.10L</b>



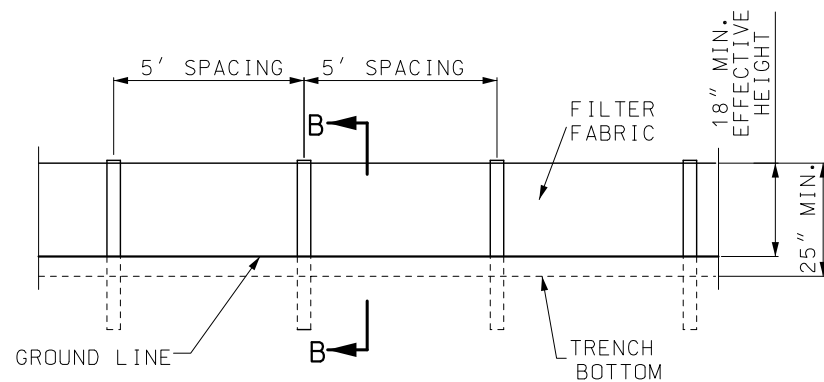
TYPICAL B-B



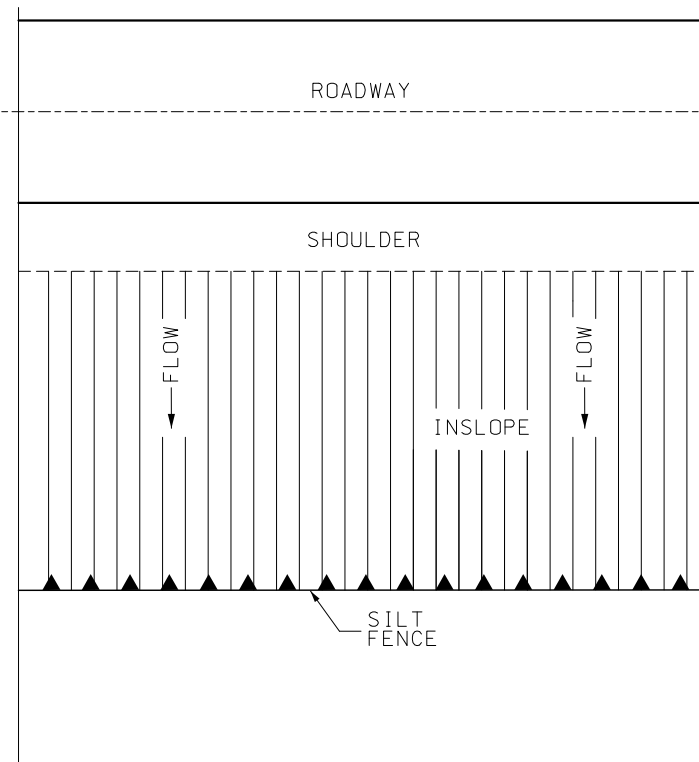
DETAIL A



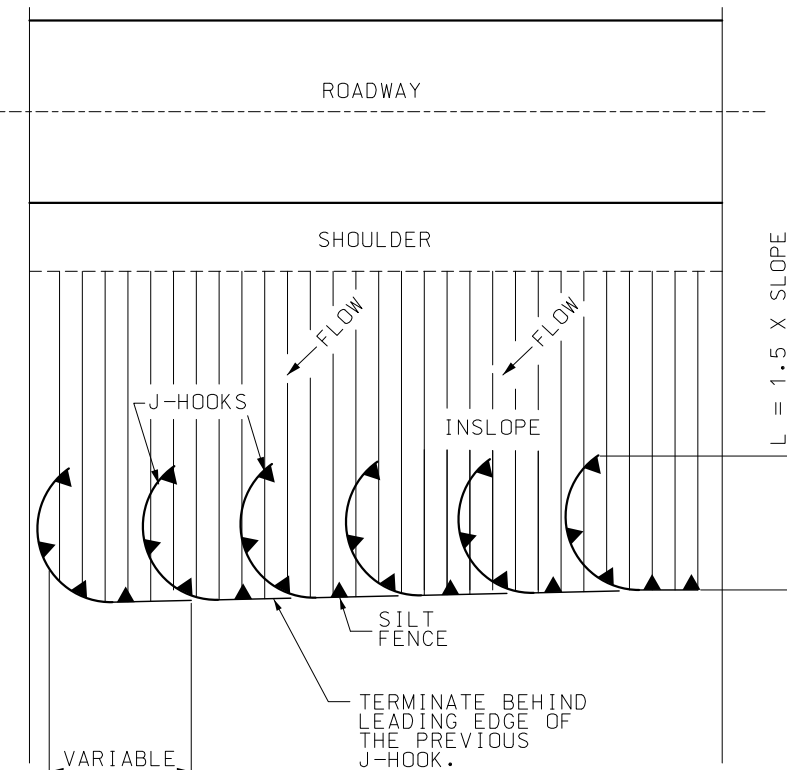
PLAN VIEW



ELEVATION DETAIL FABRIC SILT FENCE



PERIMETER SILT FENCE FOR TRANSVERSE FLOW



PERIMETER SILT FENCE FOR ANGULAR FLOW

FOR SPACING SEE SHEET 1 OF 6

GENERAL NOTES:

USE SILT FENCE FOR FILL HEIGHTS GREATER OR EQUAL TO 10 FEET. ON ALL FILLS GREATER THAN 10 FEET HIGH, MID-SLOPE RUNS OF SILT FENCE SHOULD BE CONSIDERED.

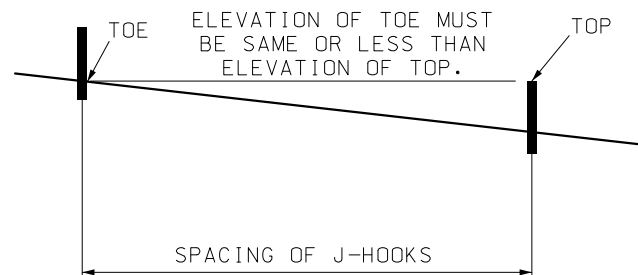
FOR FABRIC SILT FENCE:

MINIMUM LONGITUDINAL SPLICE OVERLAP SHALL BE 2' WITH A POST AT EACH END.

SECURE FABRIC TO POSTS.

INSTEAD OF SILT FENCE ACROSS DRAINAGE DITCHES AND DRAINS, DITCH CHECKS SHALL BE USED AS SHOWN ON PLANS OR AS DIRECTED BY ENGINEER.

AT CULVERTS, PLACE SEDIMENT BARRIERS OVER THE TOP OF THE CULVERTS (NOT IN THE STREAM CHANNEL).



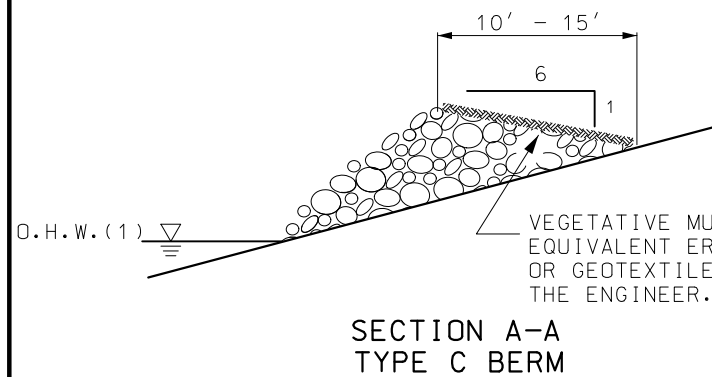
MINIMUM J-HOOK SPACING

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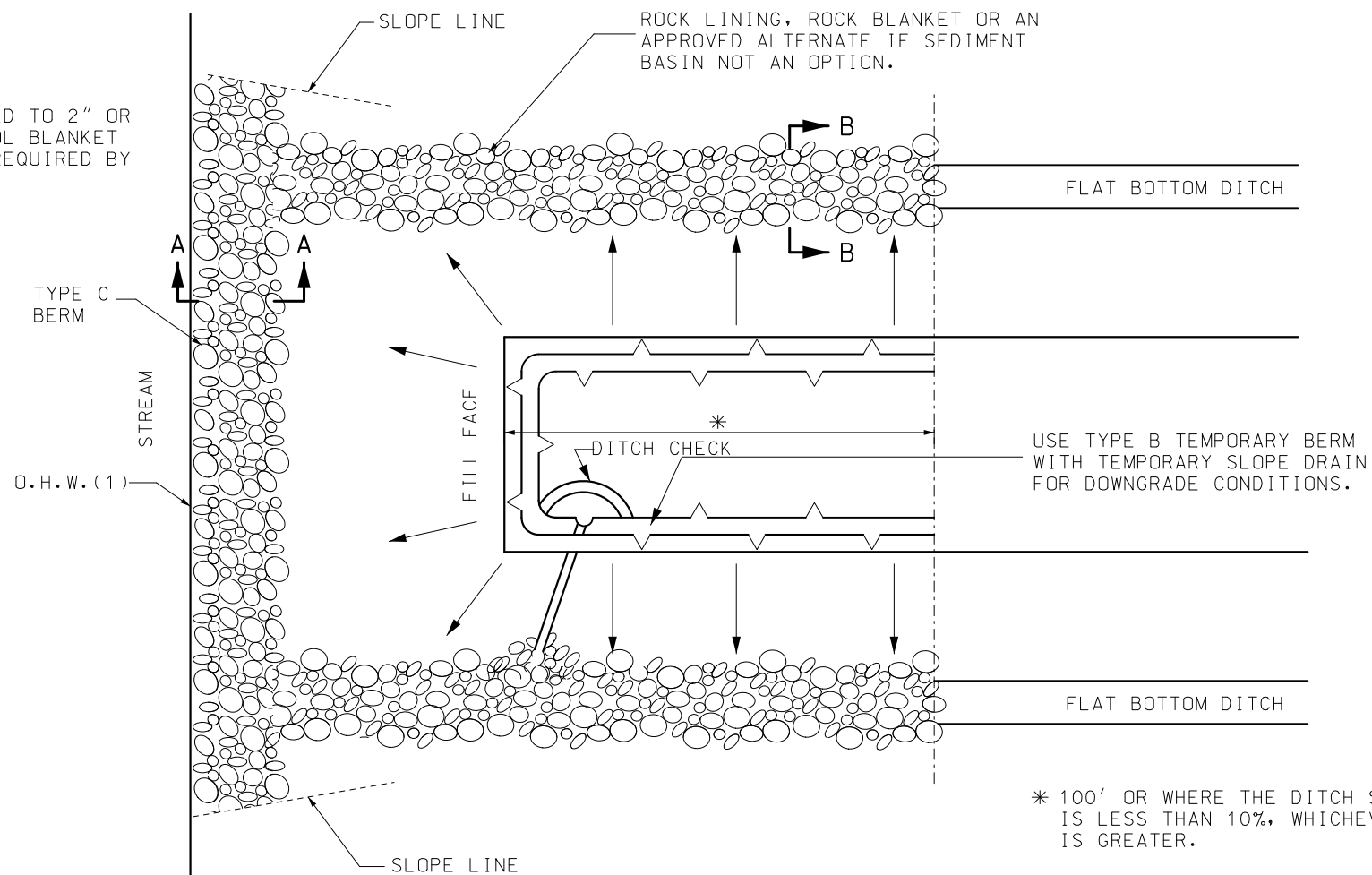
STATE OF MISSOURI  
 SARAH K. KLEINSCHMIT  
 NUMBER PE-2007002808  
 PROFESSIONAL ENGINEER  
 Sarah Kleinschmit  
 12/23/2025 12:38:21 PM  
 SARAH K. KLEINSCHMIT - CIVIL  
 MO-PE-2007002808

**TEMPORARY EROSION CONTROL MEASURES**  
 SILT FENCE

DATE EFFECTIVE: 4/1/2026	<b>806.10L</b>	SHEET NO. 5 OF 6
DATE PREPARED: 12/22/2025		



(1) TYPE C BERM SHALL BE PLACED ABOVE THE ORDINARY HIGH WATER (O.H.W.) OR AT AN ELEVATION AS DIRECTED BY THE ENGINEER.



\* 100' OR WHERE THE DITCH SLOPE IS LESS THAN 10%, WHICHEVER IS GREATER.

PLAN VIEW



GENERAL NOTES:

TYPE C BERM SHALL BE BUILT TO HANDLE SIGNIFICANT RUN-OFF EVENTS AND SHALL BE INSTALLED PRIOR TO SOIL DISTURBANCE OR PLACEMENT OF FILL IN THE DRAINAGE AREA OF THE BERM.



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TEMPORARY EROSION CONTROL MEASURES  
BRIDGES AND BOX CULVERTS AT STREAM CROSSINGS

DATE EFFECTIVE: 4/1/2026  
DATE PREPARED: 12/22/2025

806.10L

SHEET NO.  
6 OF 6