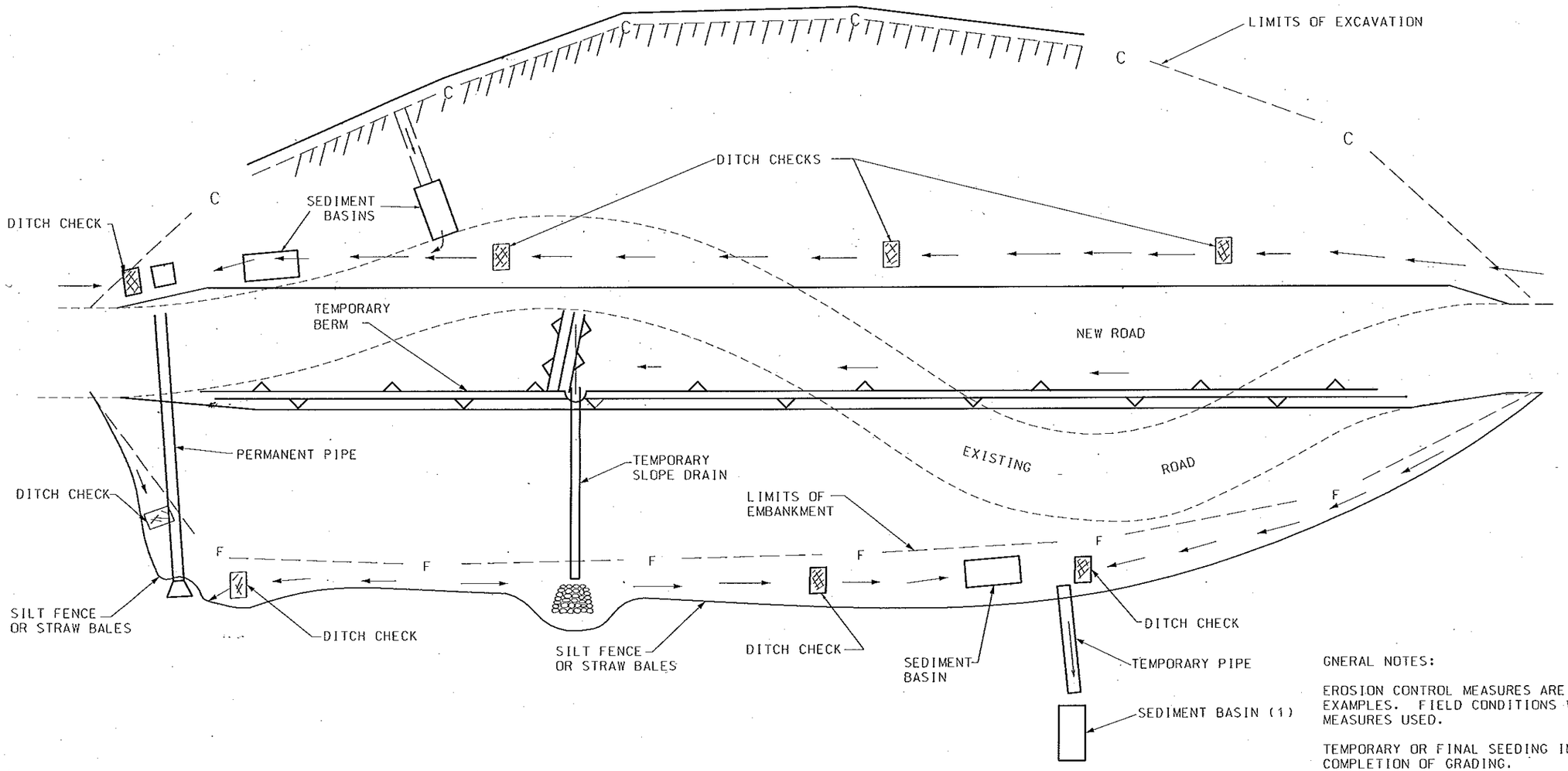


GNERAL NOTES:

EROSION CONTROL MEASURES ARE SHOWN HERE AS GENERAL EXAMPLES. FIELD CONDITIONS WILL DICTATE ACTUAL MEASURES USED.

TEMPORARY OR FINAL SEEDING IMMEDIATELY UPON COMPLETION OF GRADING.

WOOD POSTS SHALL BE USED FOR ALL STRAW BALE APPLICATIONS.

STRAW BALES USED AS SILT FENCE SHALL BE EMBEDDED 6 INCHES.

LEGEND

C = CUT LIMITS

F = FILL LIMITS

←— = DIRECTION OF FLOW

(1) IF DITCH CHECK USED, TOP OF DITCH CHECK MUST BE AT OR LOWER THAN PIPE FLOW LINE.

STATE OF MISSOURI
JEFFREY A. BOHLER
NUMBER
E-29731
REGISTERED PROFESSIONAL ENGINEER
5-11-12

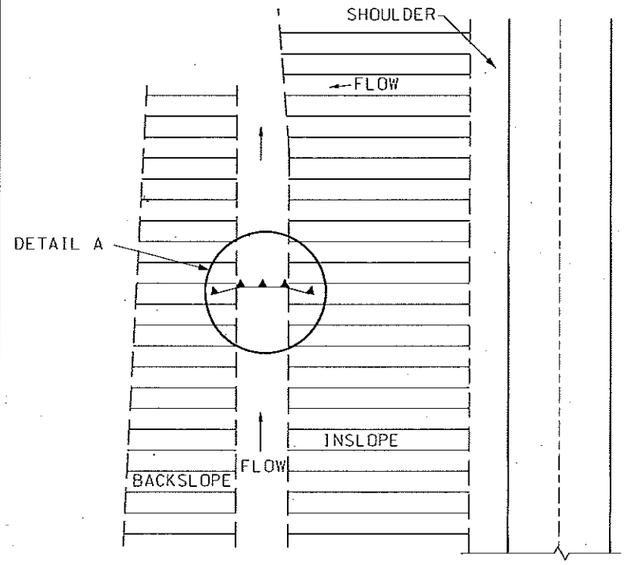
EXHIBIT D
TEMPORARY EROSION CONTROL MEASURES

GENERIC TEMPORARY EROSION CONTROL PLAN

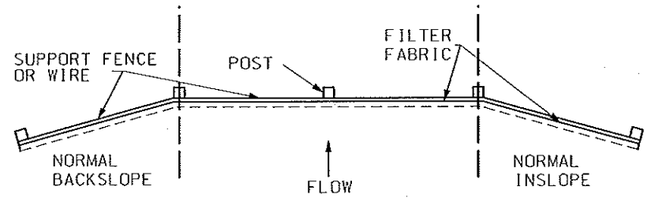
04/01/2009

806.10H

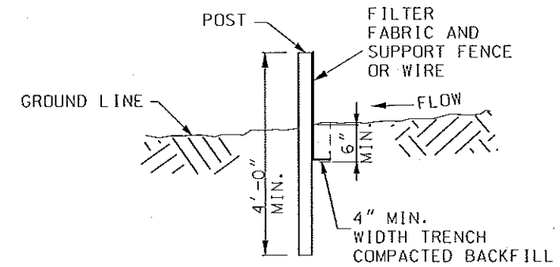
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



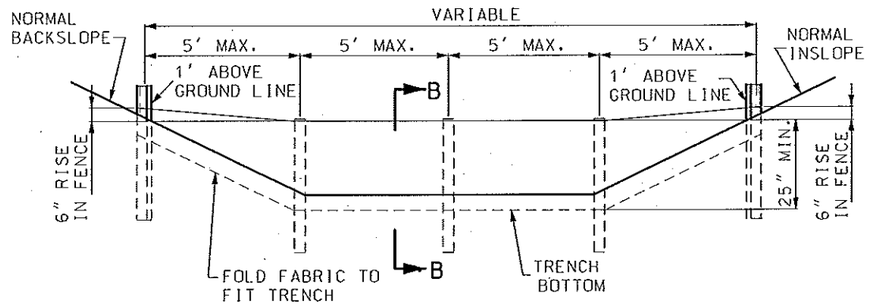
PLAN VIEW



PLAN VIEW
DETAIL A



SECTION B-B



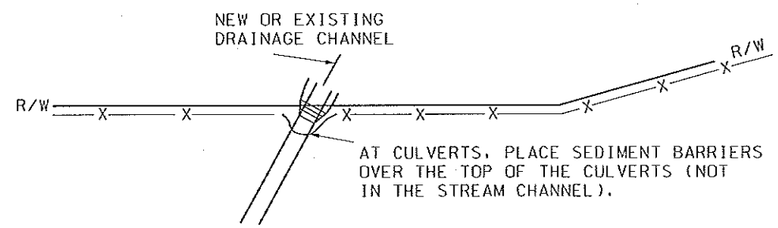
ELEVATION DETAIL

GEOTEXTILE FABRIC DITCH CHECK

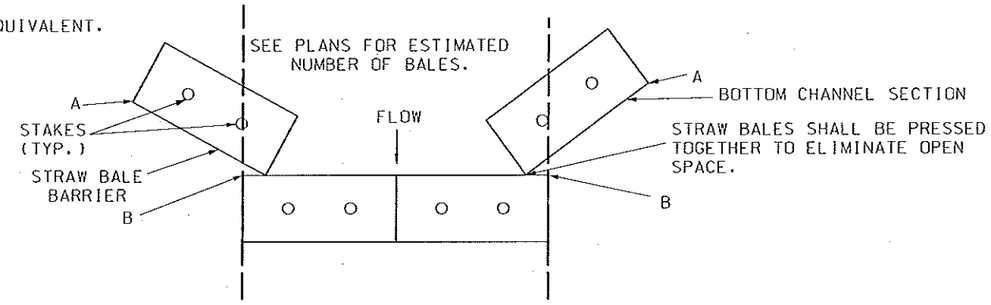
NOTES:

SUPPORT FENCE SHALL BE PROVIDED WITH GEOTEXTILE FABRIC DITCH CHECK.

POST SHALL BE STEEL T-POST OR EQUIVALENT.



LOCATION DETAIL



NOTE:

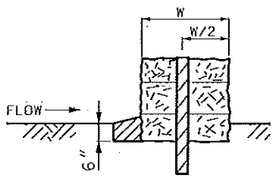
CORNERS 'A' SHALL BE HIGHER THAN CORNERS 'B' TO INSURE FLOW THROUGH OR OVER BARRIER, NOT AROUND IT.

PLAN VIEW
DITCH APPLICATION DETAILS

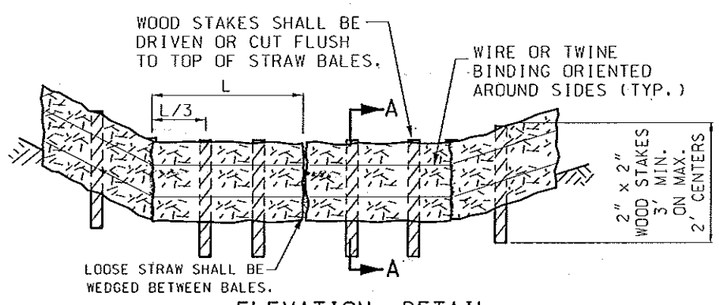
GENERAL NOTES:

SEE SHEET 3 FOR MINIMUM SPACING OF ALL DITCH CHECK TYPES.

THE TYPE I DITCH CHECK MAY BE REMOVED, AS DIRECTED BY THE ENGINEER, WHEN THE VEGETATION HAS SUFFICIENTLY MATURED TO PROTECT THE DITCH OR SWALE, OR THE CONCRETE DITCH LINER HAS BEEN CONSTRUCTED.



SECTION A-A



ELEVATION DETAIL

STRAW BALE DITCH CHECK

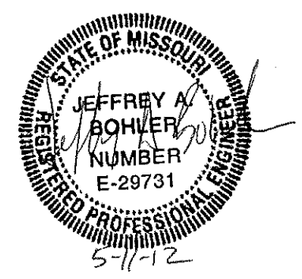
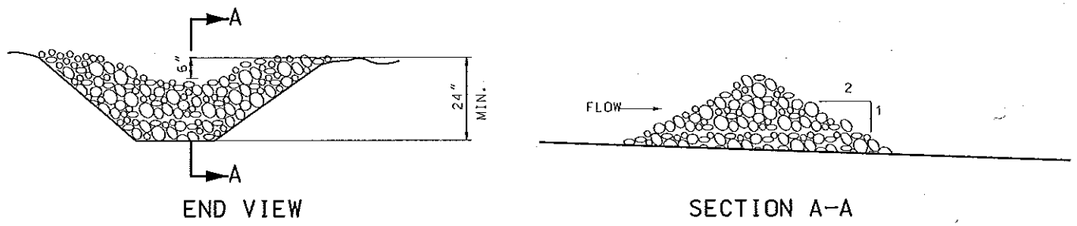


EXHIBIT D
TEMPORARY EROSION CONTROL MEASURES

TEMPORARY DITCH CHECKS
TYPE I

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



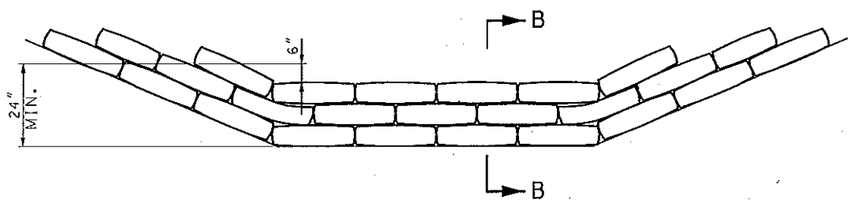
END VIEW

SECTION A-A

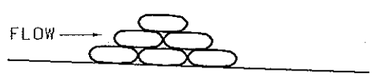
ROCK DITCH CHECK

NOTE:

TYPE II DITCH CHECK IN THE CLEAR ZONE SHALL BE REMOVED AFTER THE VEGETATION HAS SUFFICIENTLY MATURED TO PROTECT THE DITCH OR SWALE OR THE CONCRETE DITCH LINER HAS BEEN CONSTRUCTED.



PLAN VIEW



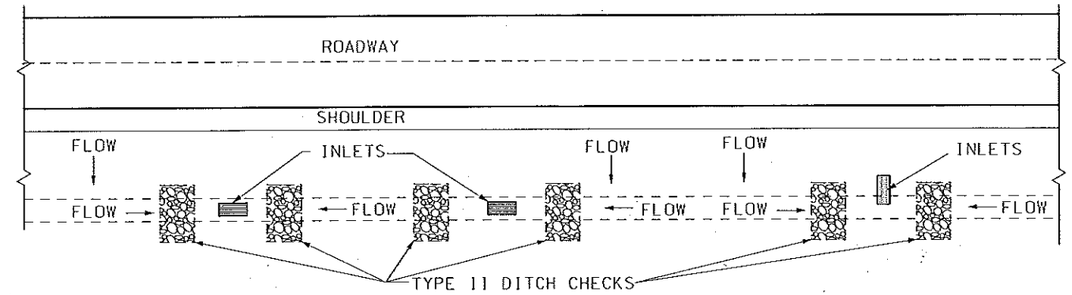
SECTION B-B

SAND BAG DITCH CHECK

NOTE:

NUMBER OF SAND BAGS AND ARRANGEMENT MAY VARY WITH ON-SITE CONDITIONS.

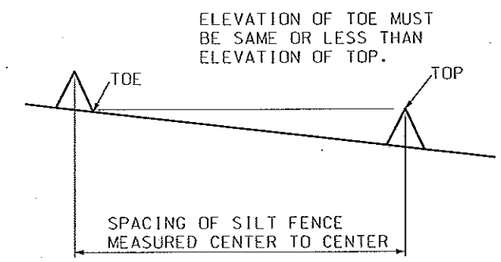
TEMPORARY DITCH CHECKS TYPE II



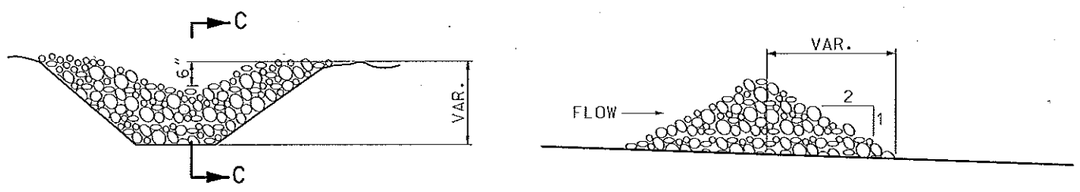
DROP INLET CHECK

EXAMPLE DITCH CHECK SPACING FOR STANDARD HEIGHTS (FT.)		
DITCH ℄ SLOPE %	SPACING FOR 24" HEIGHT	SPACING FOR 18" HEIGHT
0.5	400	300
1.0	200	150
1.5	133	100
2.0	100	75
2.5	80	60
3.0	66	50
3.5	57	43
4.0	50	38
4.5	44	33
5.0	40	30
5.5	38	27
6.0	35	25
6.5	30	23
7.0	28	21
7.5	26	20
8.0	25	19
8.5	23	18
9.0	22	17
9.5	21	16
10.0	20	15

THE DROP INLET CHECK SHALL PROVIDE A MINIMUM OF 12 INCHES AND A MAXIMUM OF 18 INCHES ABOVE THE INLET GRADE.



MINIMUM DITCH CHECK SPACING



END VIEW

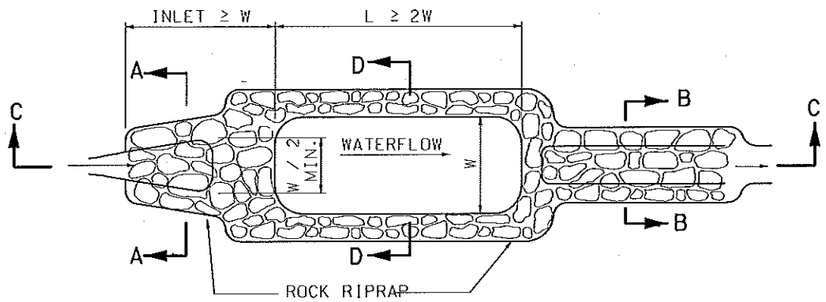
SECTION C-C

SEDIMENT TRAP

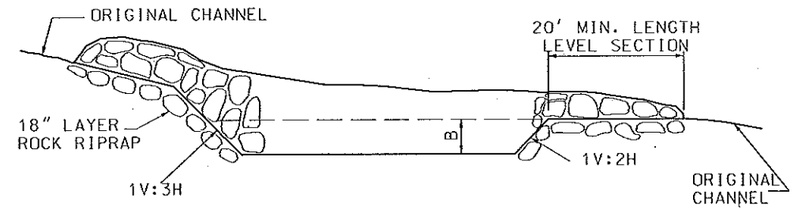
STATE OF MISSOURI
JEFFREY A. BOHLER
NUMBER E-29731
REGISTERED PROFESSIONAL ENGINEER
5-11-12

EXHIBIT D
TEMPORARY EROSION CONTROL MEASURES

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

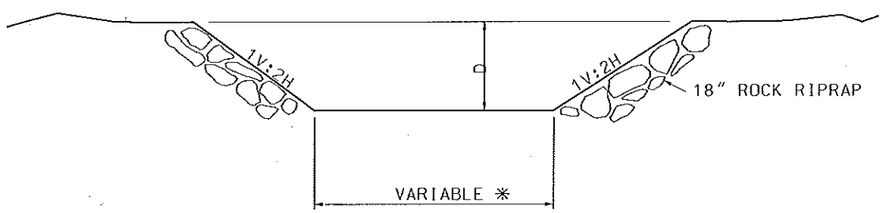


PLAN VIEW



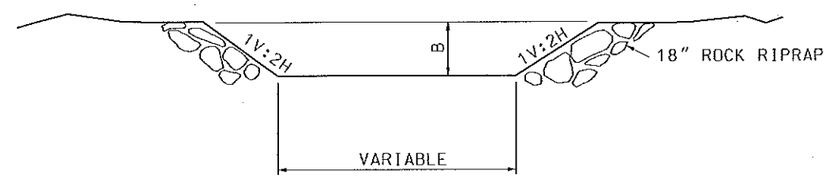
SECTION C-C

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

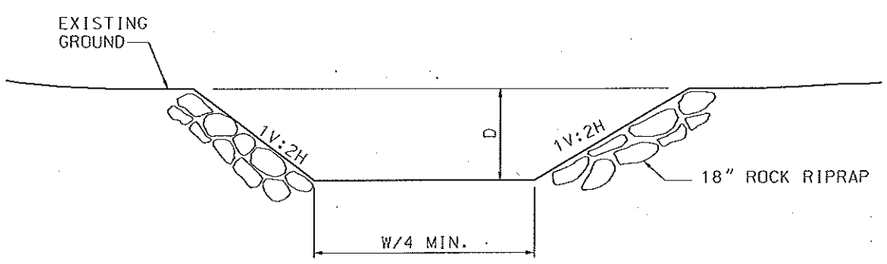


SECTION A-A
INLET

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



SECTION B-B
OUTLET

GENERAL NOTES:

THE MATERIALS FOR ROCK RIPRAP SHALL MEET THE REQUIREMENTS OF SECTION 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.

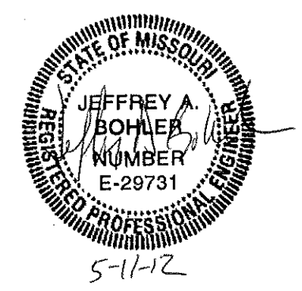
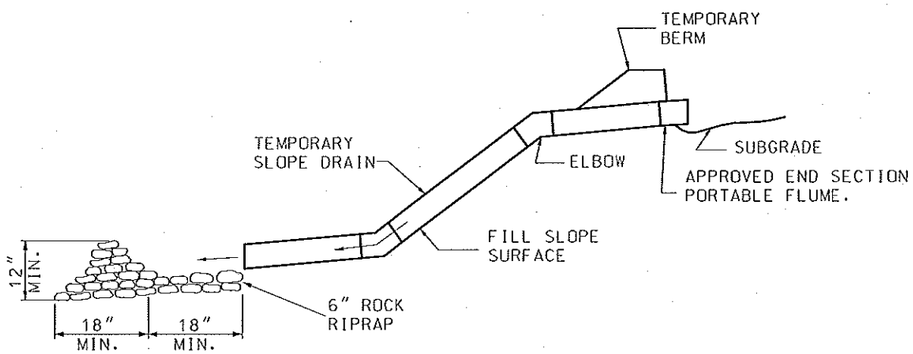


EXHIBIT D
TEMPORARY EROSION CONTROL MEASURES

SEDIMENT BASIN

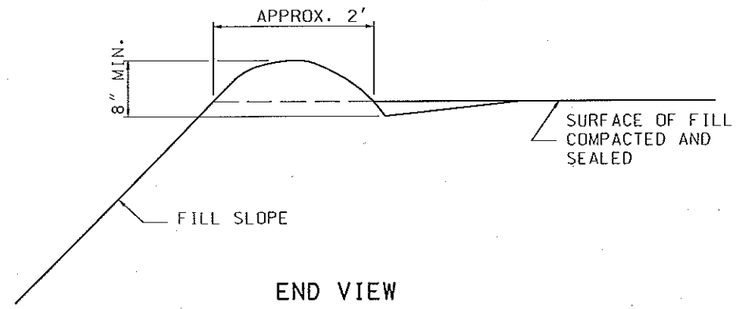
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



NOTE:

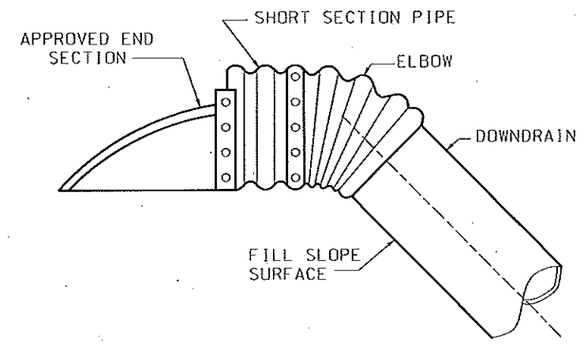
IN SOME CASES IT MAY BE NECESSARY TO EMBED METAL OR PALSTIC PIPE INTO THE FILL SLOPE TO SECURE PROPER ANCHORAGE.

SECTION A-A

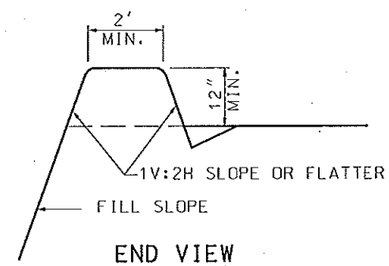


END VIEW

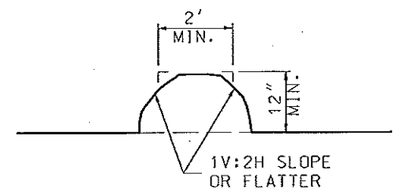
TYPE 'A' TEMPORARY BERM



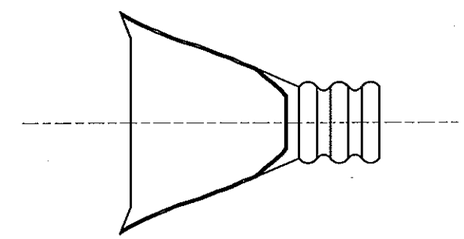
INLET TREATMENT



END VIEW
FILL BERM

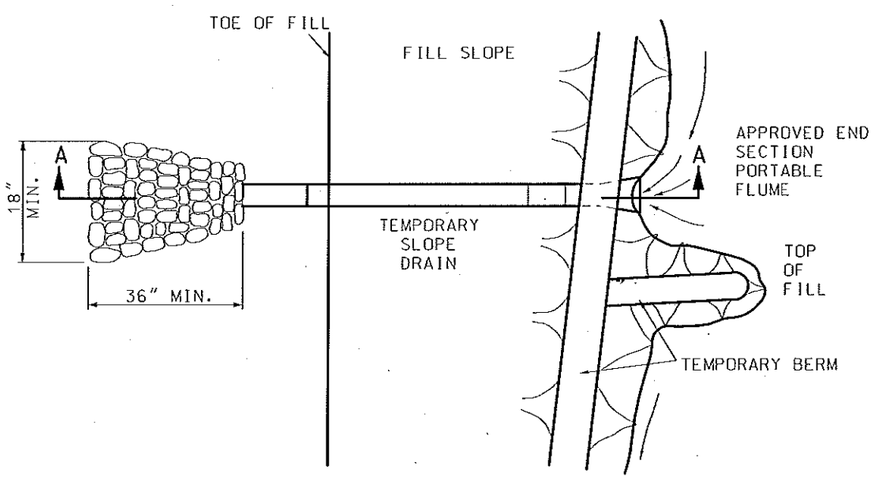


END VIEW
TRANSVERSE BERM



PLAN VIEW END SECTION

TEMPORARY SLOPE DRAIN

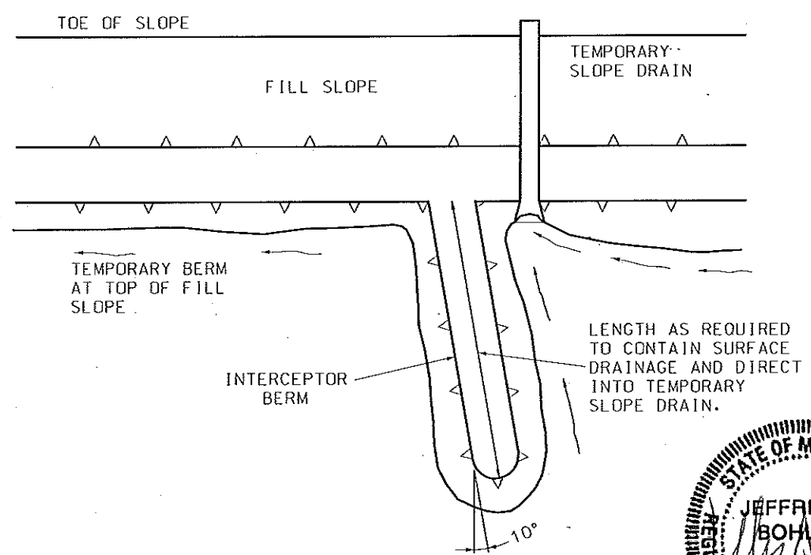


PLAN VIEW

TEMPORARY SLOPE DRAIN

(METAL, FLEXIBLE RUBBER OR PLASTIC PIPE)

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



PLAN VIEW

TYPE 'B' TEMPORARY BERM

STATE OF MISSOURI
JEFFREY A. BOHLER
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REGISTERED PROFESSIONAL ENGINEER
5-11-12

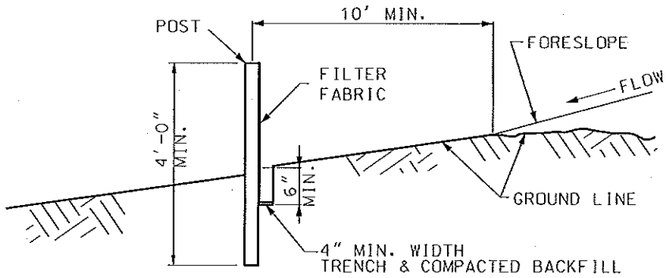
EXHIBIT D
TEMPORARY EROSION CONTROL MEASURES

TEMPORARY BERMS AND SLOPE DRAINS

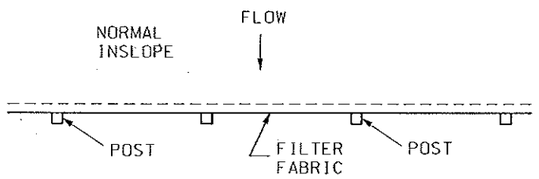
04/01/2009

806.10H

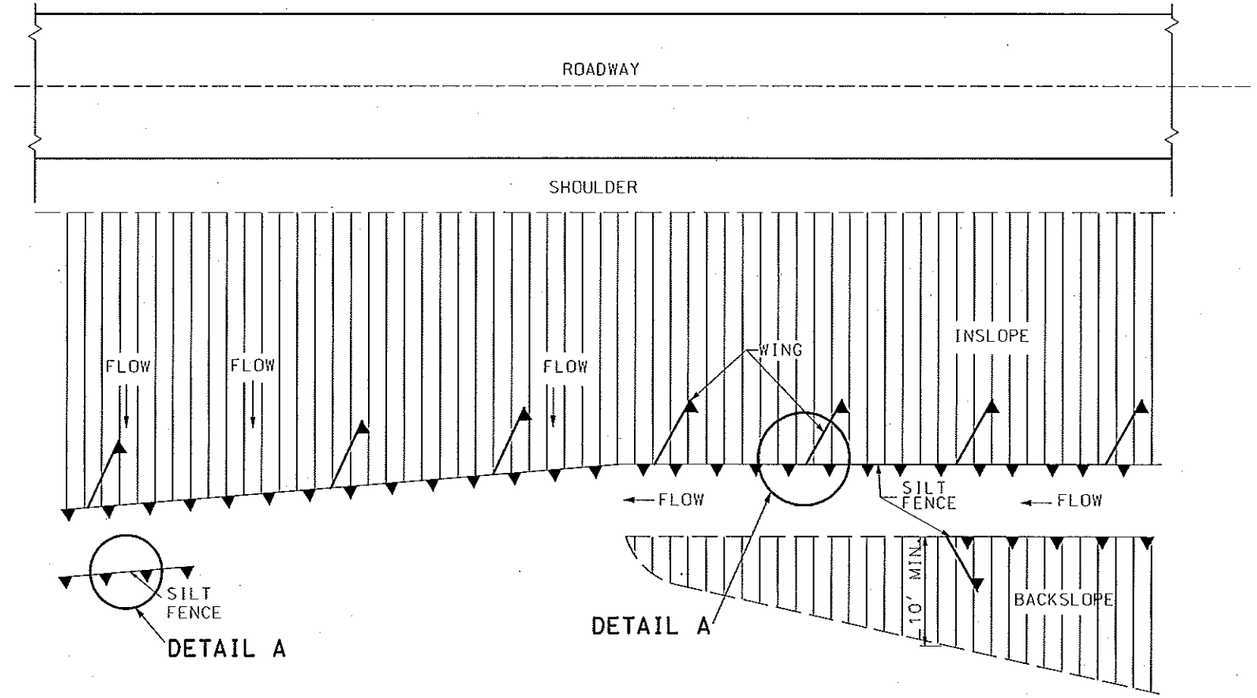
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

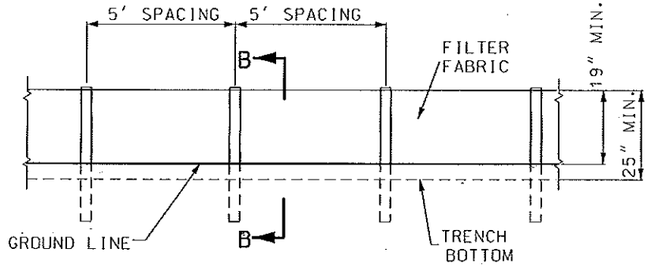


TYPICAL B-B

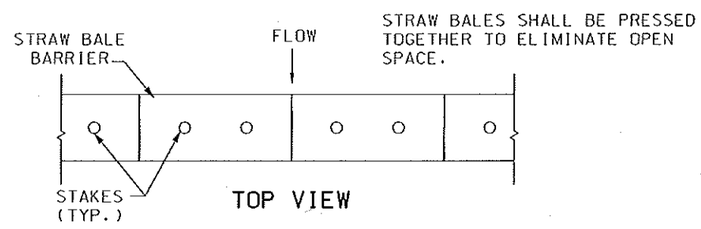


PLAN VIEW
DETAIL A

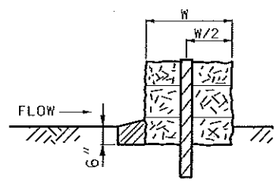




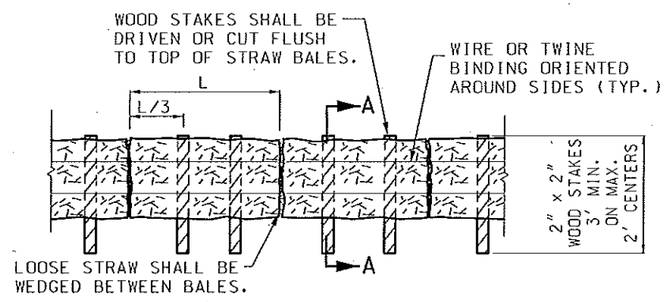
ELEVATION DETAIL
FABRIC SILT FENCE



TOP VIEW



SECTION A-A



SIDE VIEW DETAIL

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 CHECK SHALL BE USED AS SHOWN ON PLANS OR AS DIRECTED BY ENGINEER.

SILT FENCE WING SPACING APPROXIMATELY TWICE DITCH CHECK SPACING.

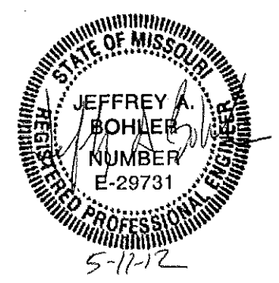
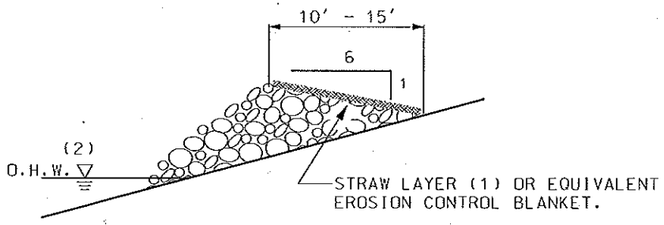


EXHIBIT D
TEMPORARY EROSION CONTROL MEASURES

SILT FENCE

STRAW BALE SILT FENCE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

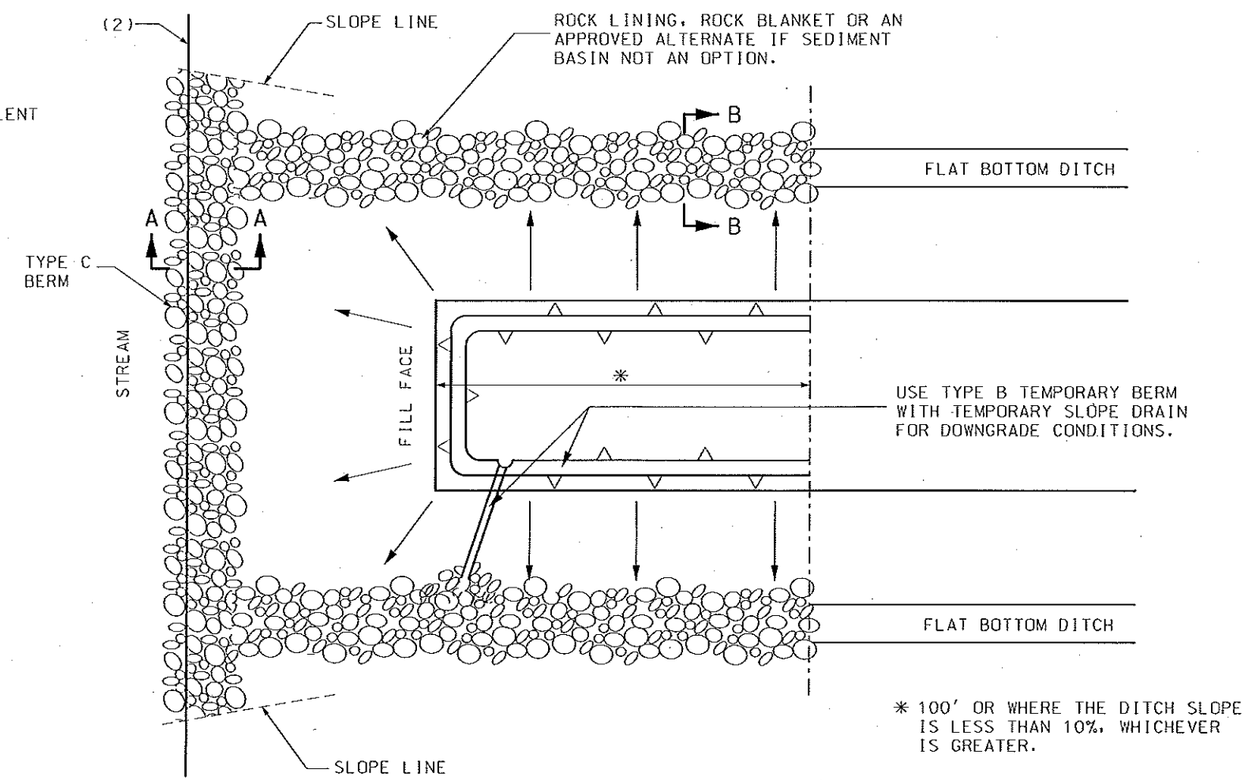


SECTION A-A
TYPE C BERM (3)

(1) STRAW LAYER SHALL BE A THICKNESS OF 2" COMPACTED.

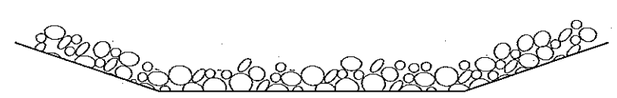
(2) TYPE C BERM SHALL BE PLACED NO LOWER THAN THE ORDINARY HIGH WATER (O.H.W.) OR AT AN ELEVATION AS DIRECTED BY THE ENGINEER.

(3) 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.



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

PLAN VIEW



SECTION B-B (4)

(4) ROCK LINING DITCHES SHALL BE BUILT TO HANDLE SIGNIFICANT RUN-OFF EVENTS.

STATE OF MISSOURI
JEFFREY A. BOHLER
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E-29731
REGISTERED PROFESSIONAL ENGINEER

5-11-12

EXHIBIT D
TEMPORARY EROSION CONTROL MEASURES

BRIDGES AND BOX CULVERTS AT STREAM CROSSINGS

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.