RUNOFF COEFFICIENT TABLE

| LAND USE: | HYDROLOGIC SOIL GROUP | | | | | | | | | | | |
| | A SLOPE RANGE (PERCENT) | | | B SLOPE RANGE (PERCENT) | | | C SLOPE RANGE (PERCENT) | | | D SLOPE RANGE (PERCENT) | | |
	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP- TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE- TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

TOTAL PROJECT AREA = _____ ACRES (HECTARES)
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = _____ACRES (HECTARES)
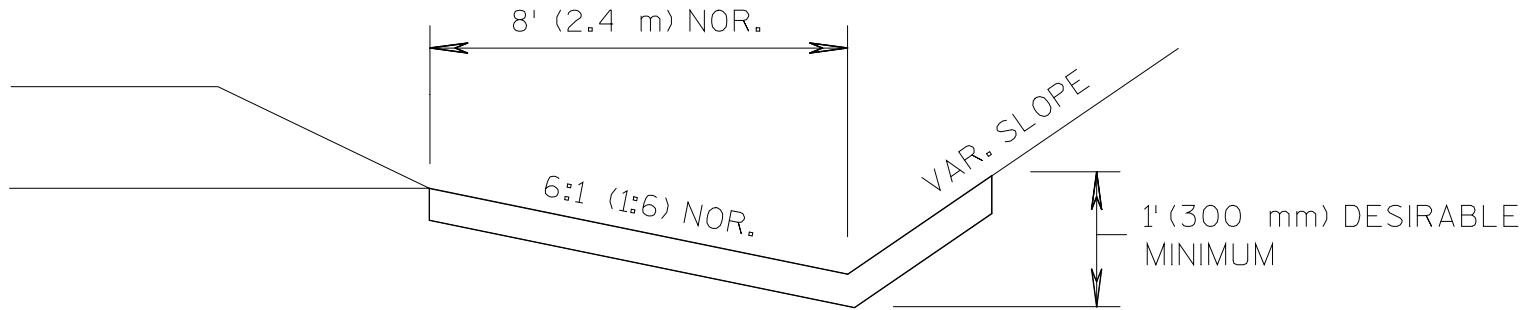
CELL NAME: RCCHRT

REFERENCE: SEE FDM PROCEDURE 10-5-60,FIG.1,SECTION VI(L)

2½:1 (1:2½)   S.B.
I.E.P.

DITCH DIKE   N.B.
℞

2½:1 (1:2½)

2:1 (1:2)   SLOPE PAVING   2:1 (1:2)   2:1 (1:2)   SLOPE PAVING   2:1 (1:2)

EDGE OF SHOULDER

EDGE OF PAVEMENT

DIRECTION OF TRAFFIC
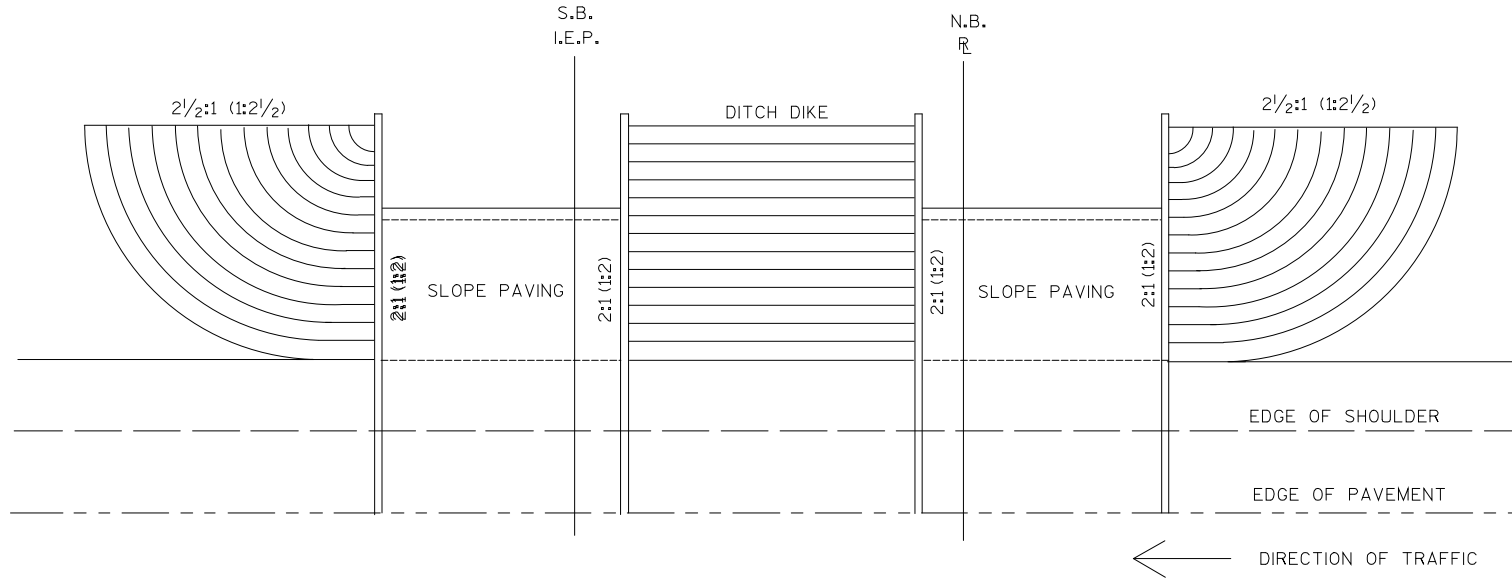
DETAIL OF SOD SLOPES AT STRUCTURES

CELL NAME: SDSLP

REFERENCE: SEE FDM PROCEDURE 10-10-9

8' (2.4 m) NOR.

VAR. SLOPE

6:1 (1:6) NOR.

1'(300 mm) DESIRABLE
MINIMUM

SOD DETAIL FOR DITCHES

CELL NAME: SDDH

REFERENCE: SEE FDM PROCEDURE 10-10-9

SOD

4'
(1.2 m)

4'
(1.2 m)

SOD

RUNOFF WATER
WITH SEDIMENT

FILTERED WATER
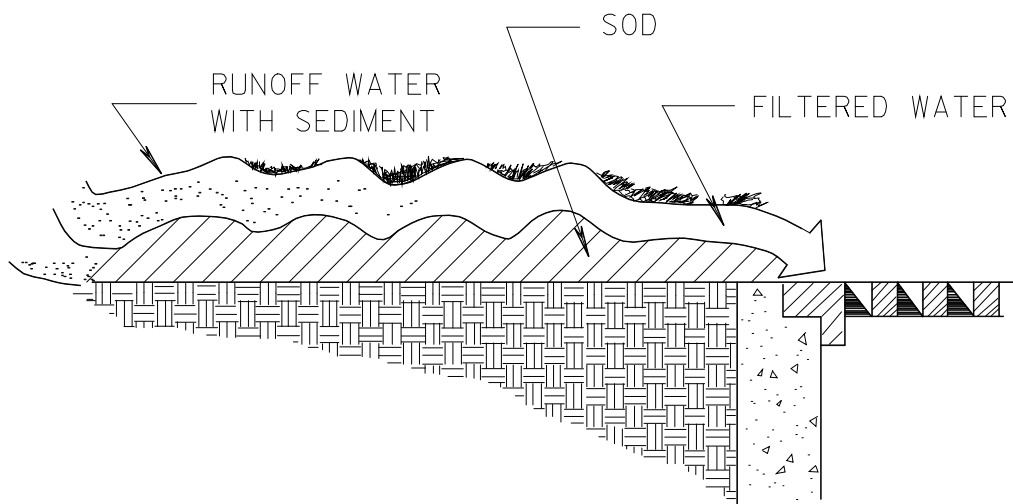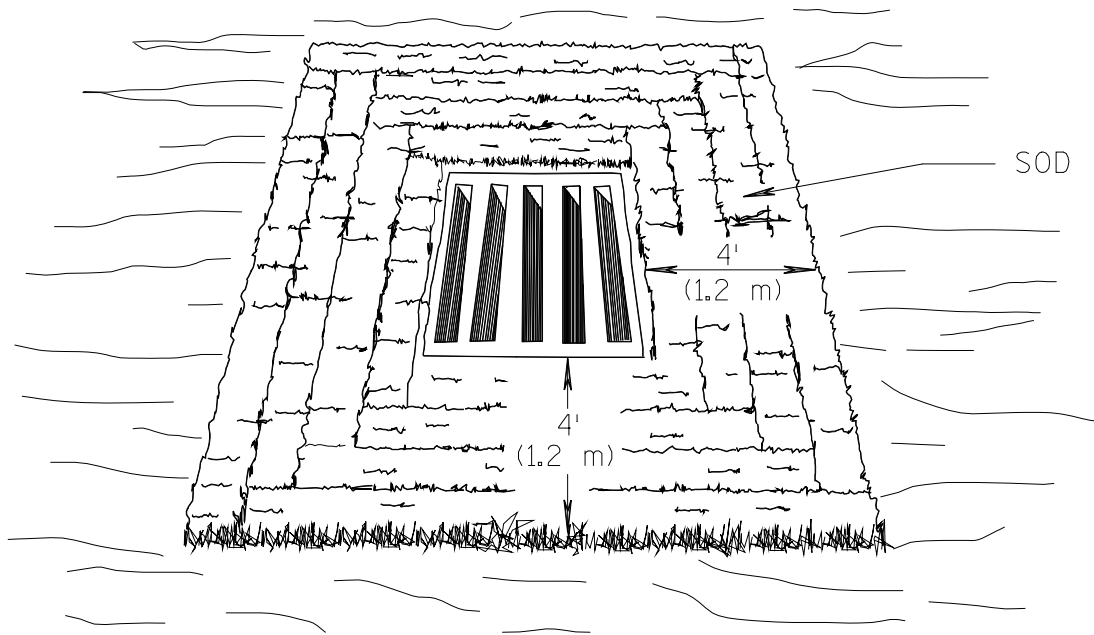
SOD INLET SEDIMENT FILTER

CELL NAME: SEDFL1

REFERENCE: SEE FDM PROCEDURES 10-10-9 and 10-10-27

ENDWALL

(300 mm)   (300 mm)

1'   VARIABLE   1'

W

SOD

L = 2W (TYP.) OR

AS DIRECTED BY ENGINEER

W+2'
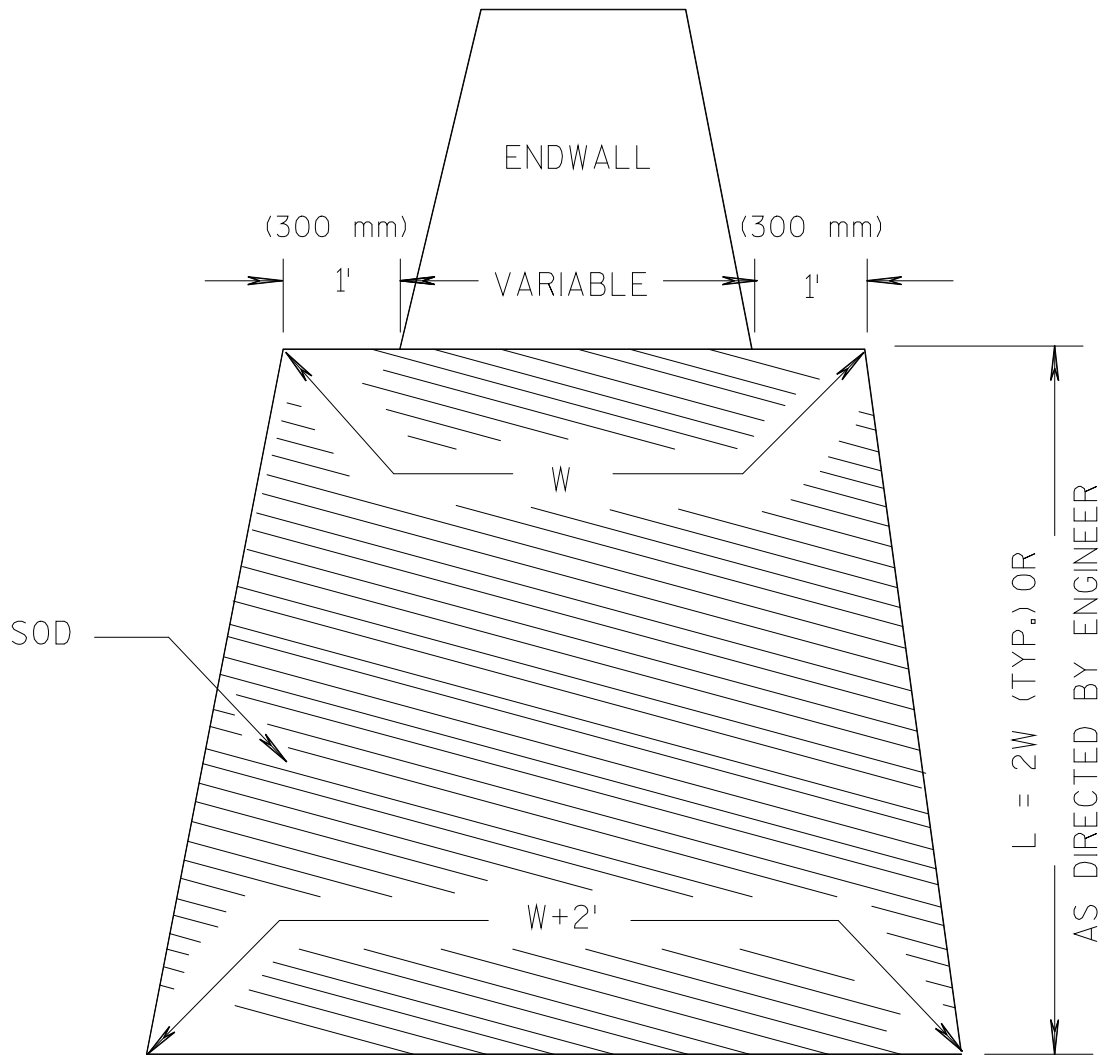
SOD TREATMENT AT CULVERTS

CELL NAME: CULSD

REFERENCE: SEE FDM PROCEDURES 10-10-9, 10-10-29 and 10-10-31

6' (1.8 m) MIN.

SOD

ORIGINAL GROUND

6" (150 mm) MIN

TOPSOIL
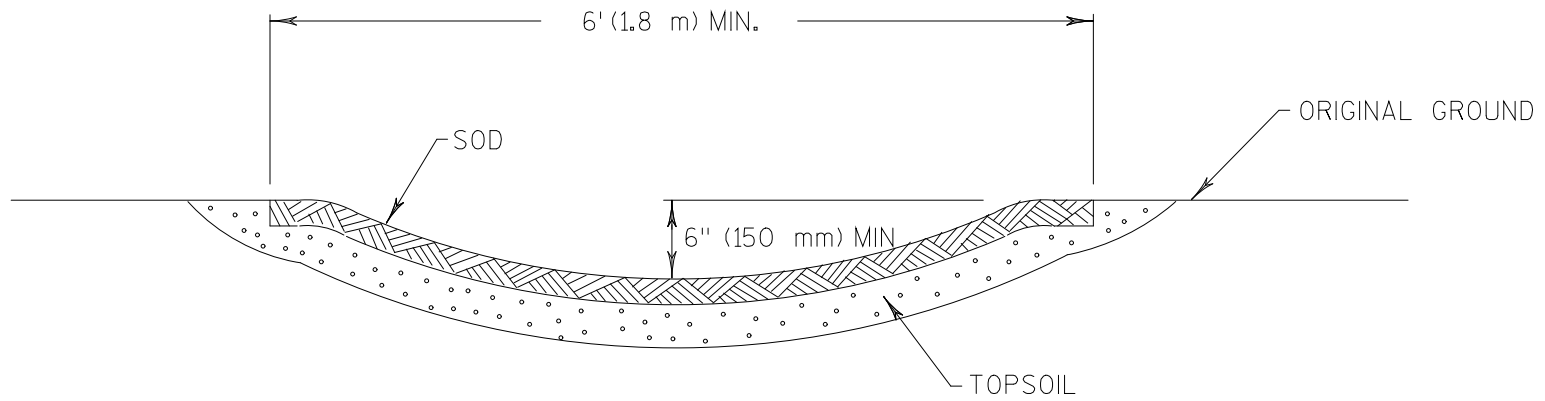
DETAIL OF SOD FLUME

CELL NAME: SDFLM1

REFERENCE: SEE FDM PROCEDURES 10-10-9, 10-10-57 and SDD 8E5-1

CONCRETE CURB
& GUTTER

DISCHARGE END

E

E

6' (1.8 m) MIN.

6' (1.8 m) MIN.

SOD

6" (150 mm) MIN

ORIGINAL GROUND

SALVAGED TOPSOIL

SECTION E – E
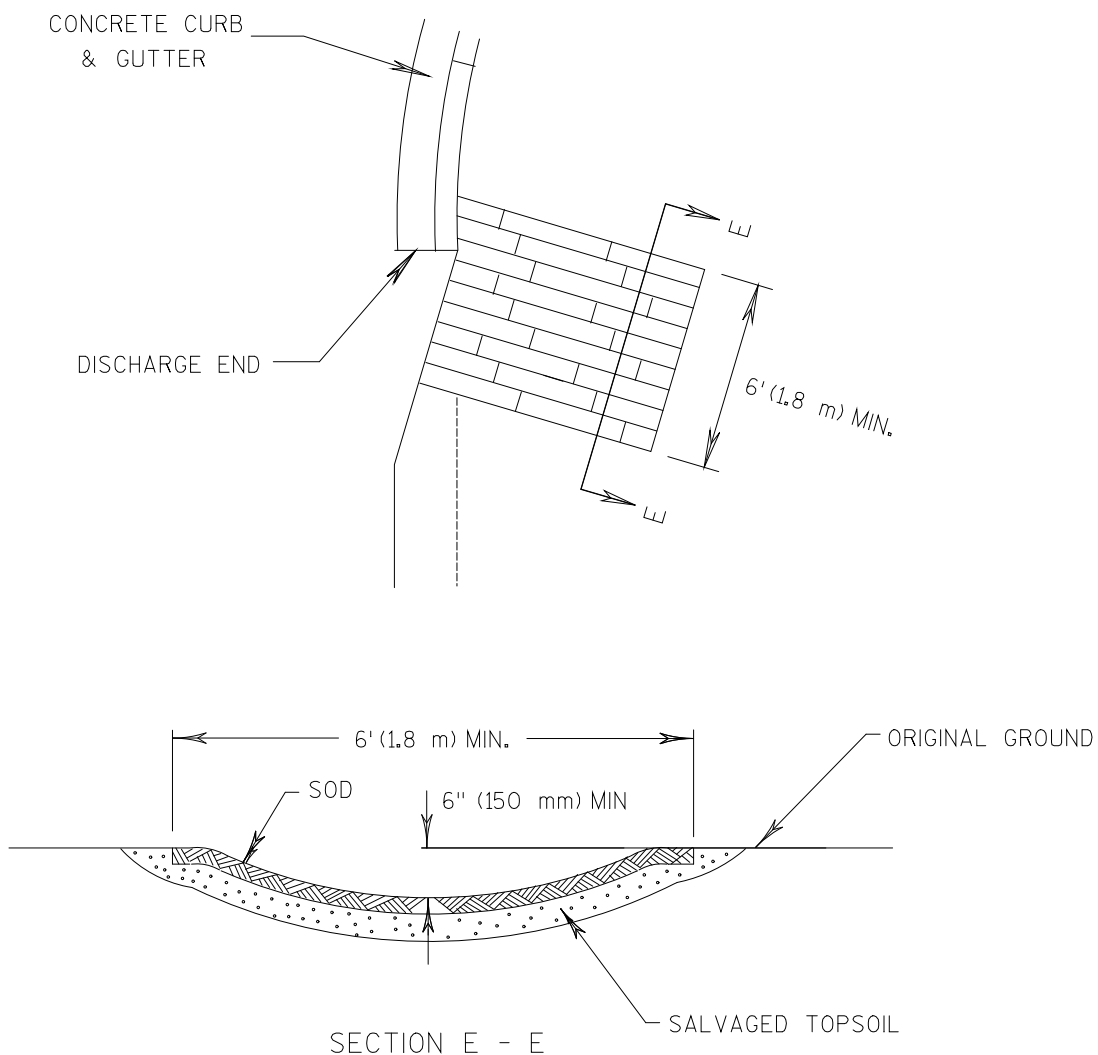
SOD FLUME DETAIL AT CURB ENDS

CELL NAME: SDFLM4

REFERENCE: SEE FDM PROCEDURES 10-10-9 and 10-10-57

CONCRETE CURB
& GUTTER

DISCHARGE END

E

E

6'(1.8 m) MIN.

6'(1.8 m) MIN.

SOD

6" (150 mm) MIN

ORIGINAL GROUND

TOPSOIL

SECTION E - E
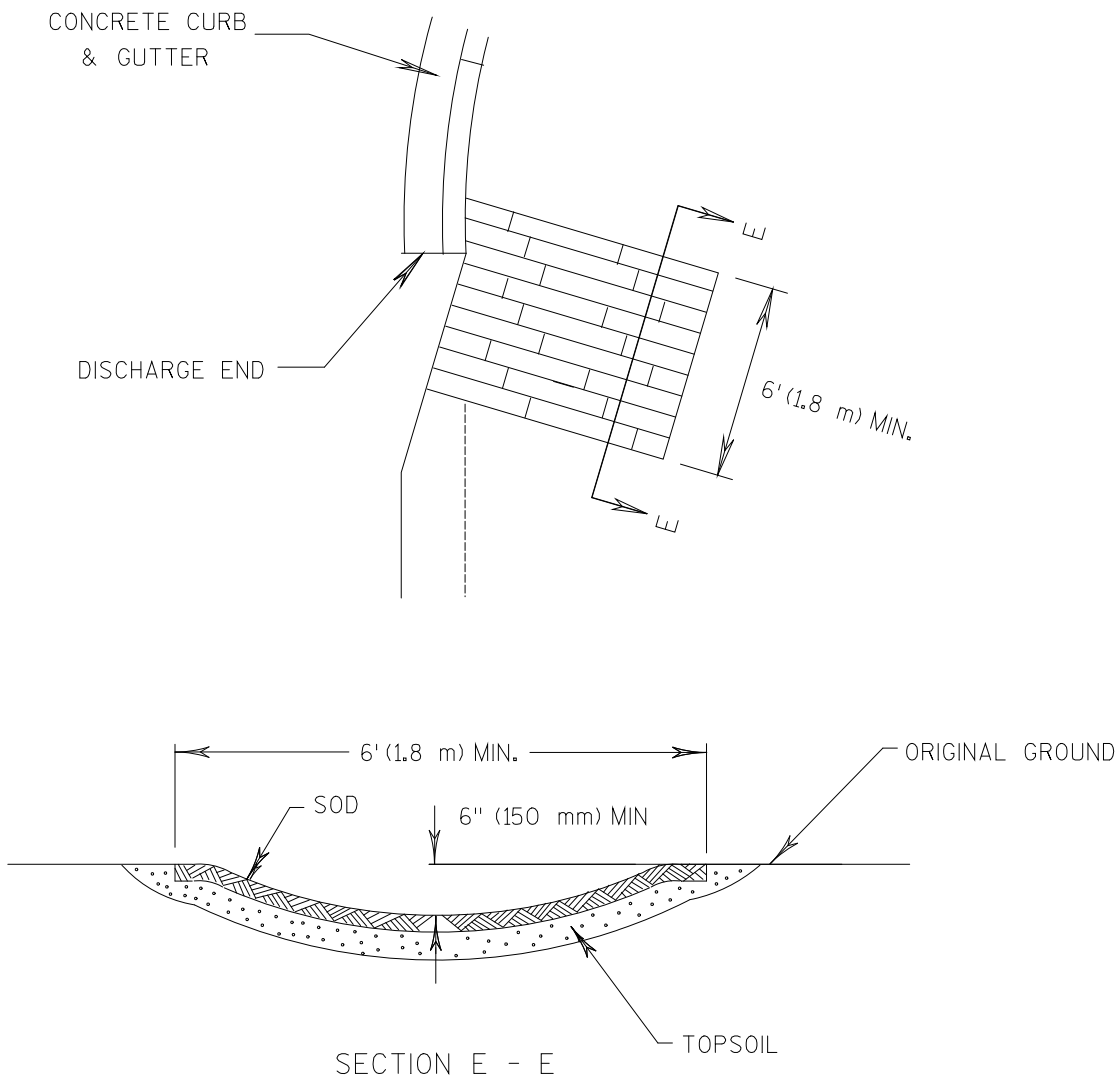
SOD FLUME DETAIL AT CURB ENDS

CELL NAME: SDFLM3

REFERENCE: SEE FDM PROCEDURES 10-10-9 and 10-10-57

6'(1.8 m) MIN.

ORIGINAL GROUND

SOD

6" (150 mm) MIN

SALVAGED TOPSOIL
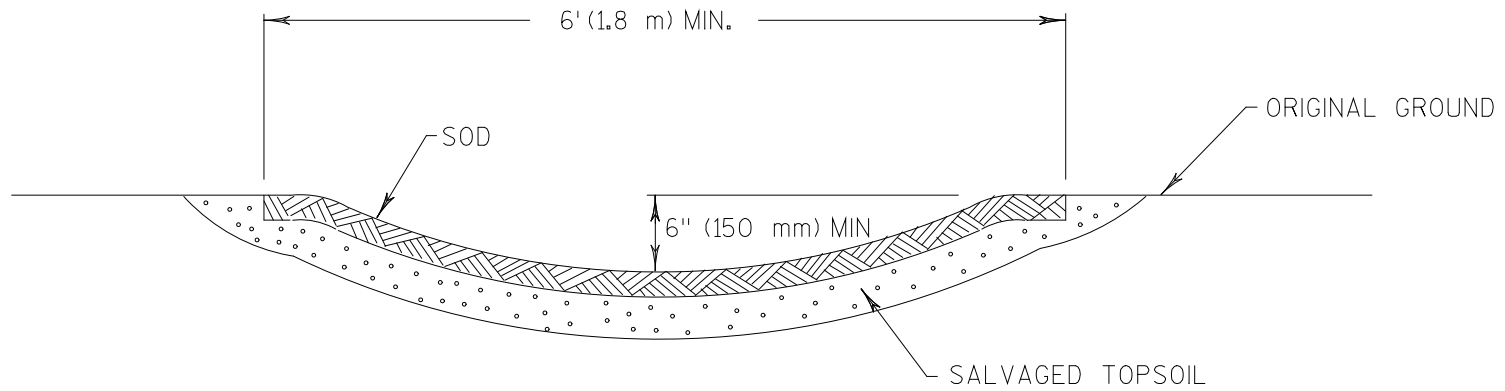
DETAIL OF SOD FLUME

CELL NAME: SDFLM2

REFERENCE: SEE FDM PROCEDURES 10-10-9, 10-10-57 and SDD 8E5-1

8' (2.4 m) NOR.

VAR. SLOPE

6:1 (1:6) NOR.

1'(300 mm) DESIRABLE
MINIMUM
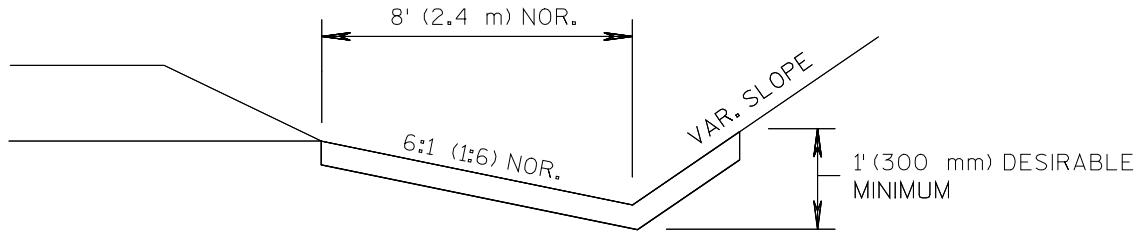
 EROSION MAT DETAIL FOR DITCHES

CELL NAME: EMDH

REFERENCE: SEE FDM PROCEDURE 10-10-15

ENDWALL

(300 mm)

(300 mm)

1'   VARIABLE   1'

W

EROSION MAT

W+2'

$L = 2W$ (TYP.) OR

AS DIRECTED BY ENGINEER
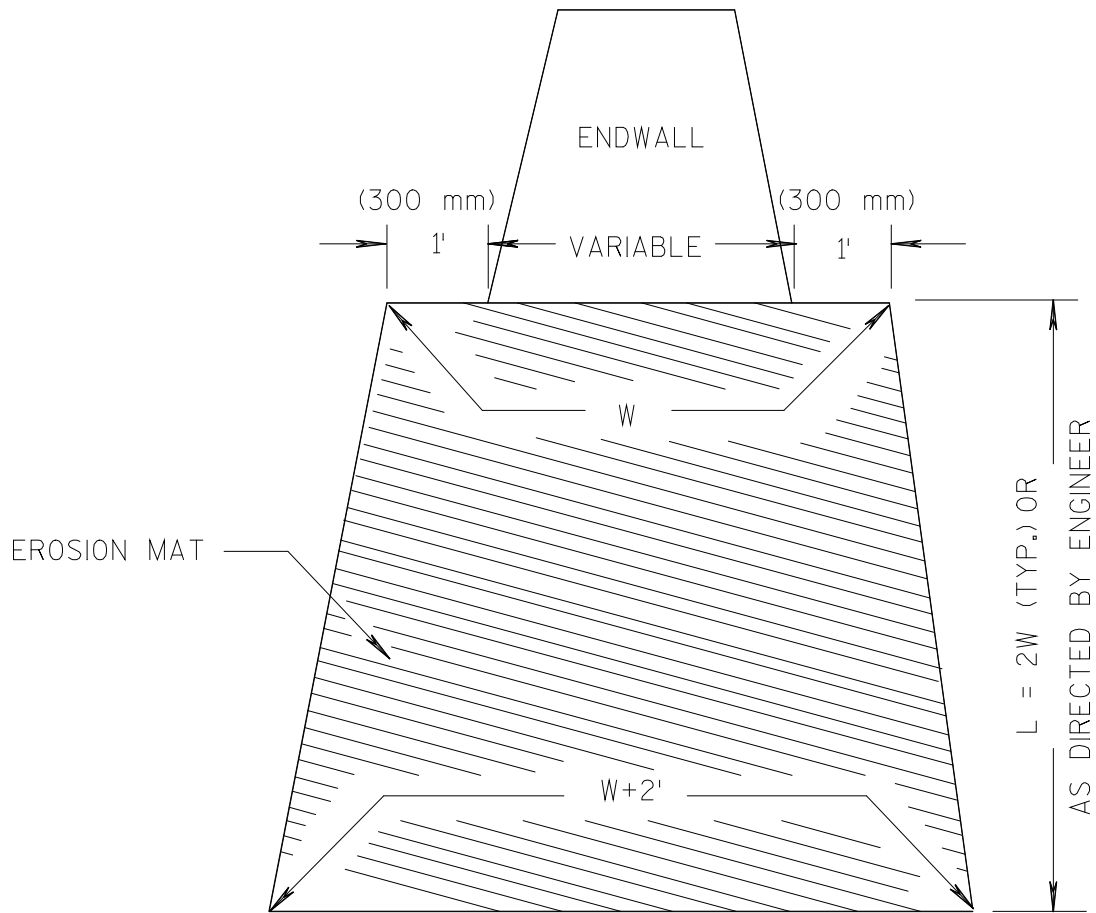
EROSION MAT TREATMENT AT CULVERTS

CELL NAME: *CULEM*

REFERENCE: SEE FDM PROCEDURES 10-10-15, 10-10-29 and 10-10-31

DIMENSIONS AS SHOWN ON
CROSS SECTION OR AS
DIRECTED BY THE ENGINEER

NORMAL FILL SLOPE

ORIGINAL GROUND

24" (600 mm)

GEOTEXTILE FABRIC,
TYPE "HR" REQ'D.

EXCAVATION TO BE
INCLUDED UNDER BID ITEM
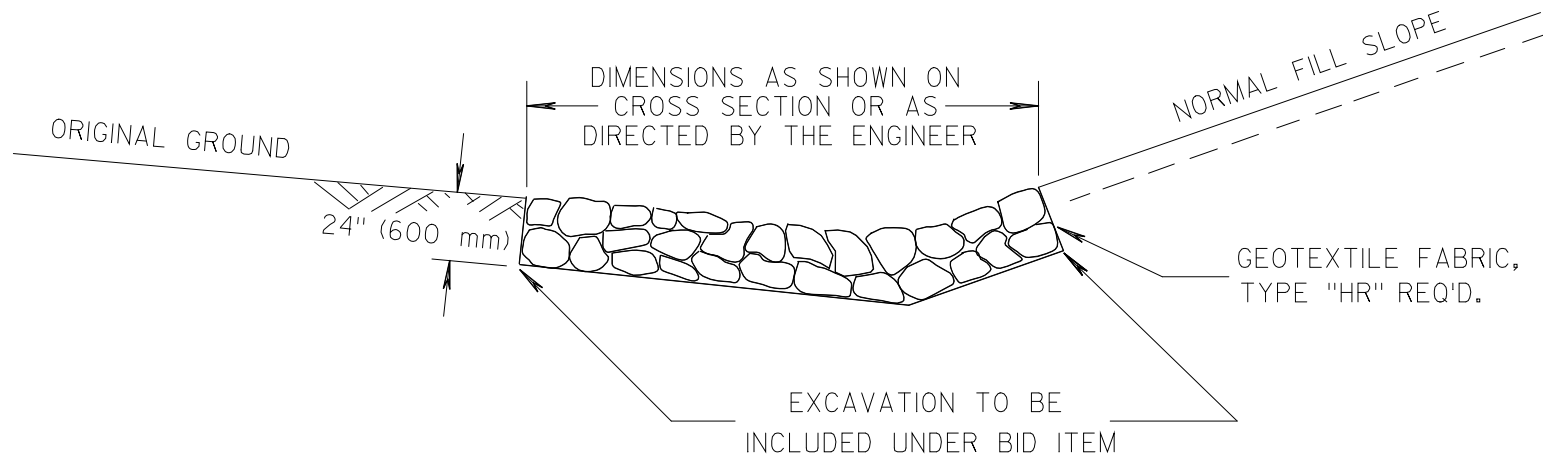
DETAIL FOR HEAVY RIPRAP IN DITCHES

CELL NAME: RIPRP3

REFERENCE: SEE FDM PROCEDURE 10-10-19
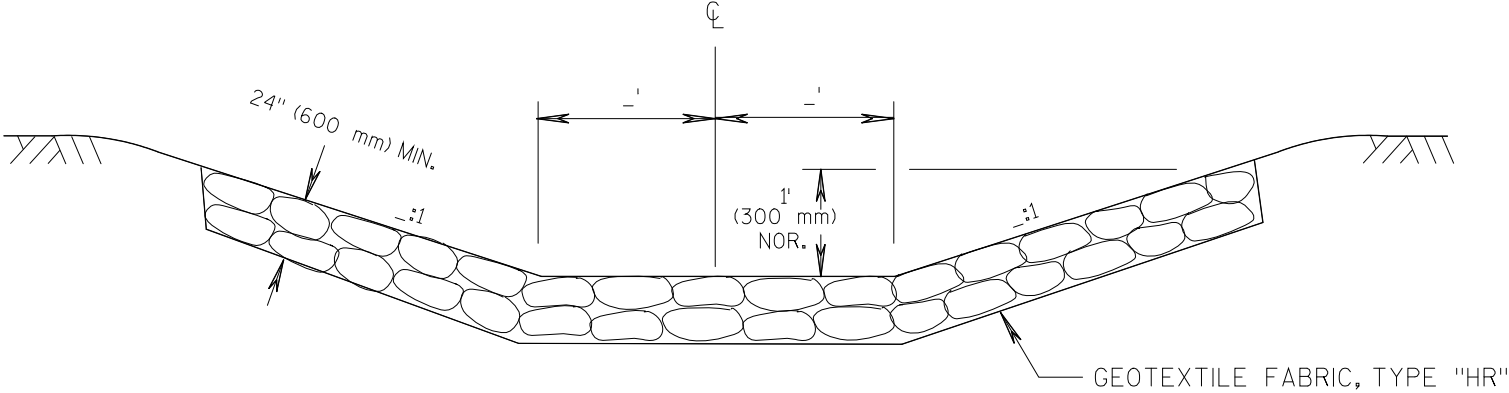
DETAIL FOR SPECIAL DITCH WITH HEAVY RIPRAP AND GEOTEXTILE FABRIC

CELL NAME: SPDH3

REFERENCE: SEE FDM PROCEDURE 10-10-19

20' (6.1 m) NOR.

6:1 (1:6)

VAR.
4:1 (1:4) NOR.

2' (600 mm) MIN.

HEAVY RIPRAP

2' (600 mm) MIN.

2' (600 mm) MIN.

GEOTEXTILE FABRIC, TYPE "HR"

DETAIL OF HEAVY RIPRAP DITCH

CELL NAME: RIPRP4

REFERENCE: SEE FDM PROCEDURE 10-10-19

ORIGINAL GROUND

DIMENSIONS AS SHOWN ON
CROSS SECTION OR AS
DIRECTED BY THE ENGINEER

NORMAL FILL SLOPE

12" (300 mm)

GEOTEXTILE FABRIC,
TYPE "R" REQ'D.

EXCAVATION TO BE
INCLUDED UNDER BID ITEM

DETAIL FOR RIPRAP IN DITCHES

CELL NAME: RIPRP1

REFERENCE: SEE FDM PROCEDURE 10-10-19

DIMENSIONS AS SHOWN ON
CROSS SECTION OR AS
DIRECTED BY THE ENGINEER

NORMAL FILL SLOPE

ORIGINAL GROUND

18" (450 mm)

GEOTEXTILE FABRIC,
TYPE "R" REQ'D.

EXCAVATION TO BE
INCLUDED UNDER BID ITEM
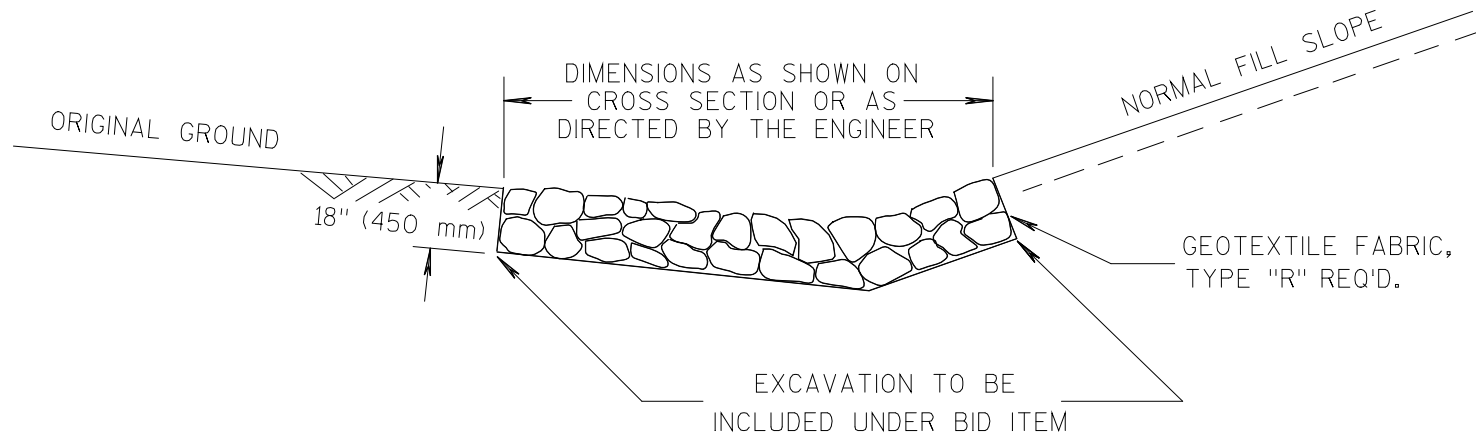
DETAIL FOR MEDIUM RANDOM RIPRAP IN DITCHES

CELL NAME: RIPRP2

REFERENCE: SEE FDM PROCEDURE 10-10-19

18" (450 mm) MIN.

1' (300 mm) NOR.

GEOTEXTILE FABRIC, TYPE "R"
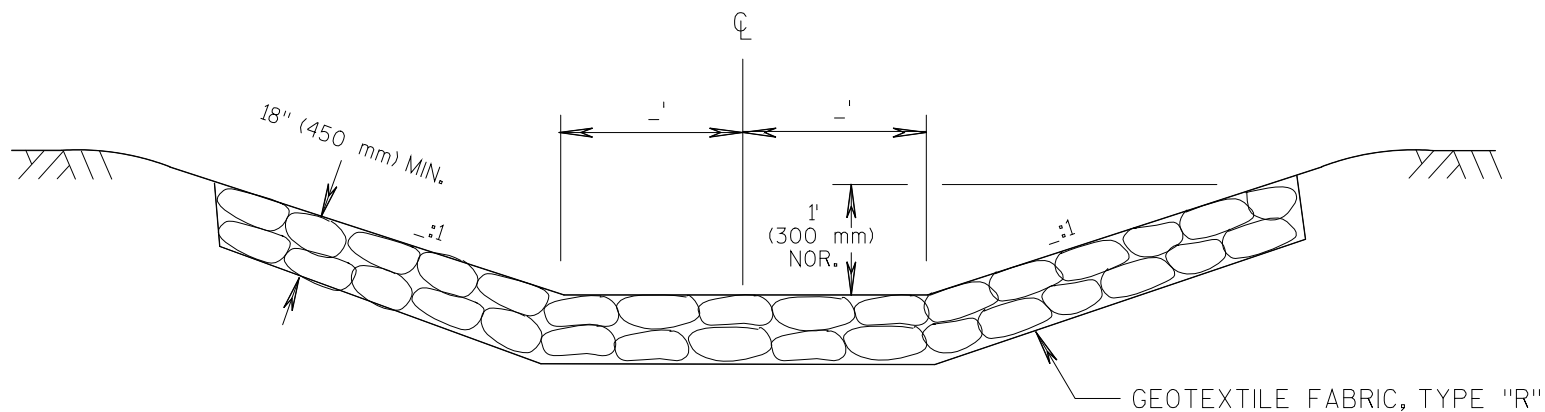
DETAIL FOR SPECIAL DITCH WITH MEDIUM RANDOM
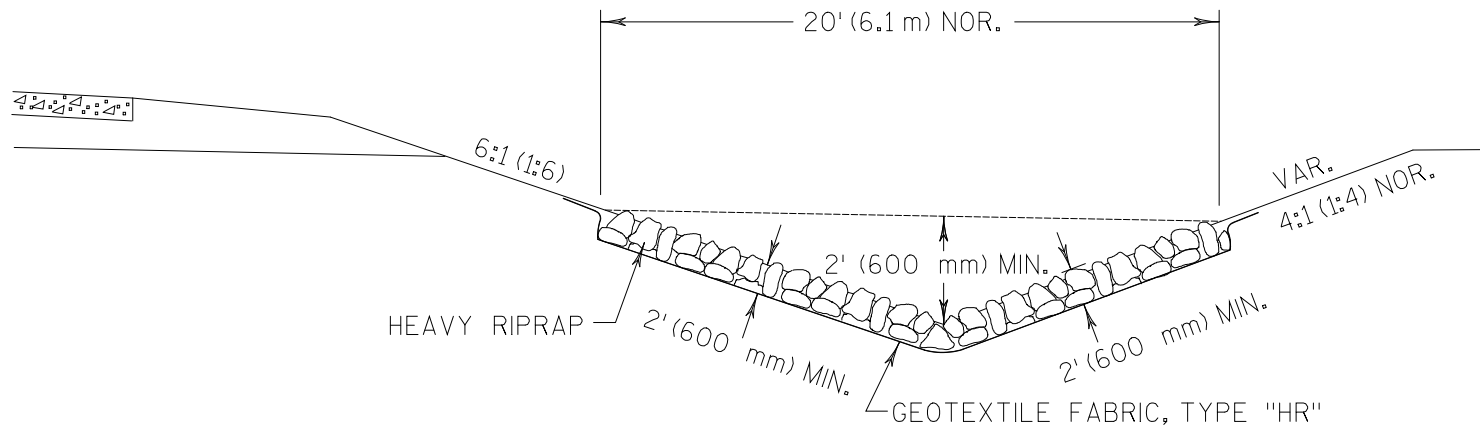RIPRAP AND GEOTEXTILE FABRIC

CELL NAME: SPDH2

REFERENCE: SEE FDM PROCEDURE 10-10-19

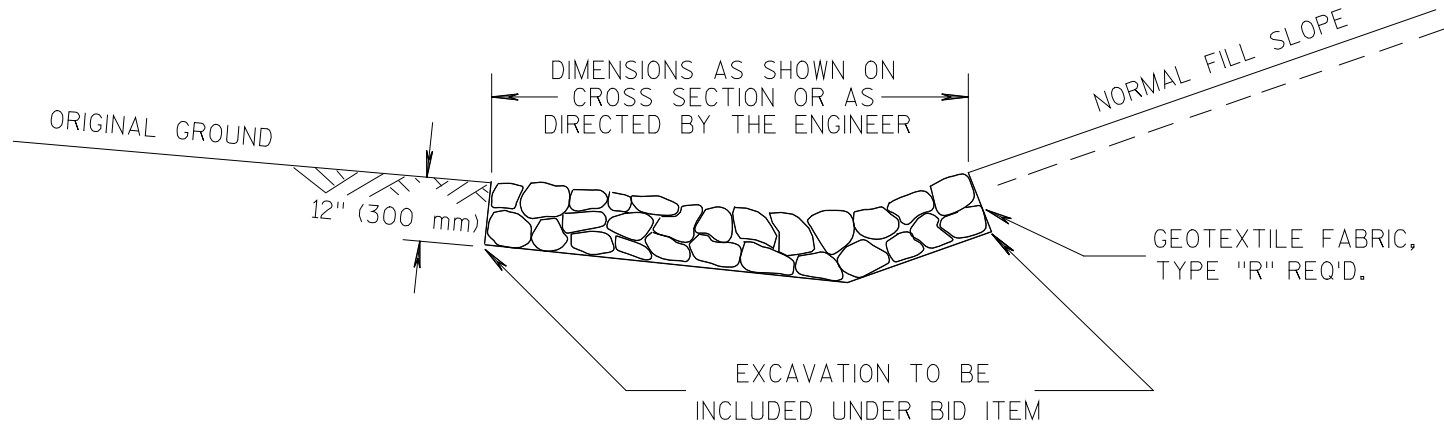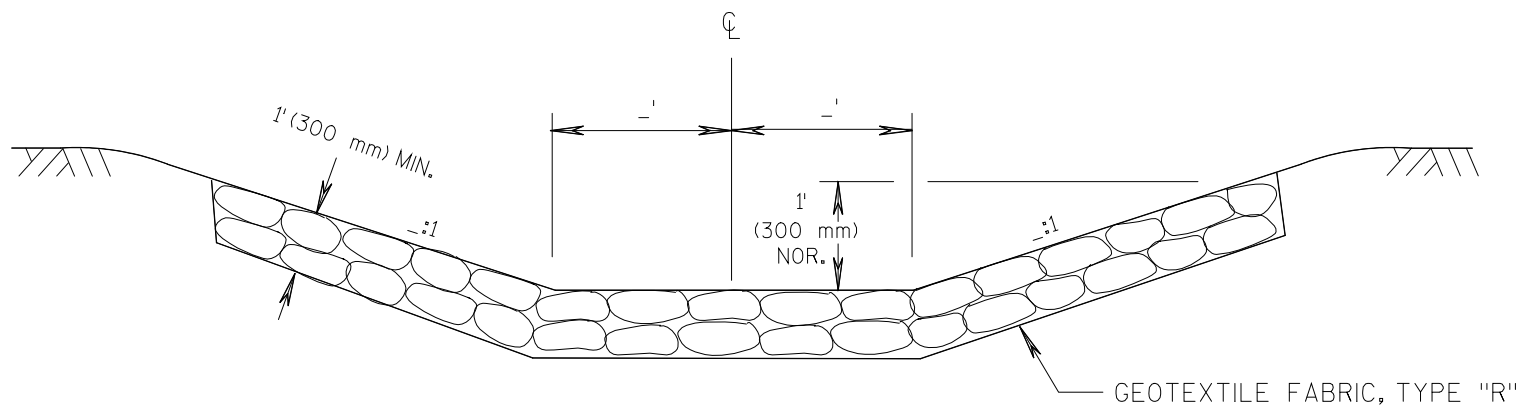DETAIL FOR SPECIAL DITCH WITH RIPRAP AND GEOTEXTILE FABRIC

CELL NAME: SPDH1

REFERENCE: SEE FDM PROCEDURE 10-10-19

12" (300 mm)
18" (450 mm)

GEOTEXTILE FABRIC,
TYPE "R" REQ'D.

SECTION A-A

ENDWALL

(300 mm)   (300 mm)
1'   VARIABLE   1'

A

18" (450 mm) MIN.
THICKNESS
FOR MEDIUM RANDOM
RIPRAP

A

L = 2W (TYP.) OR
AS DIRECTED BY ENGINEER

W
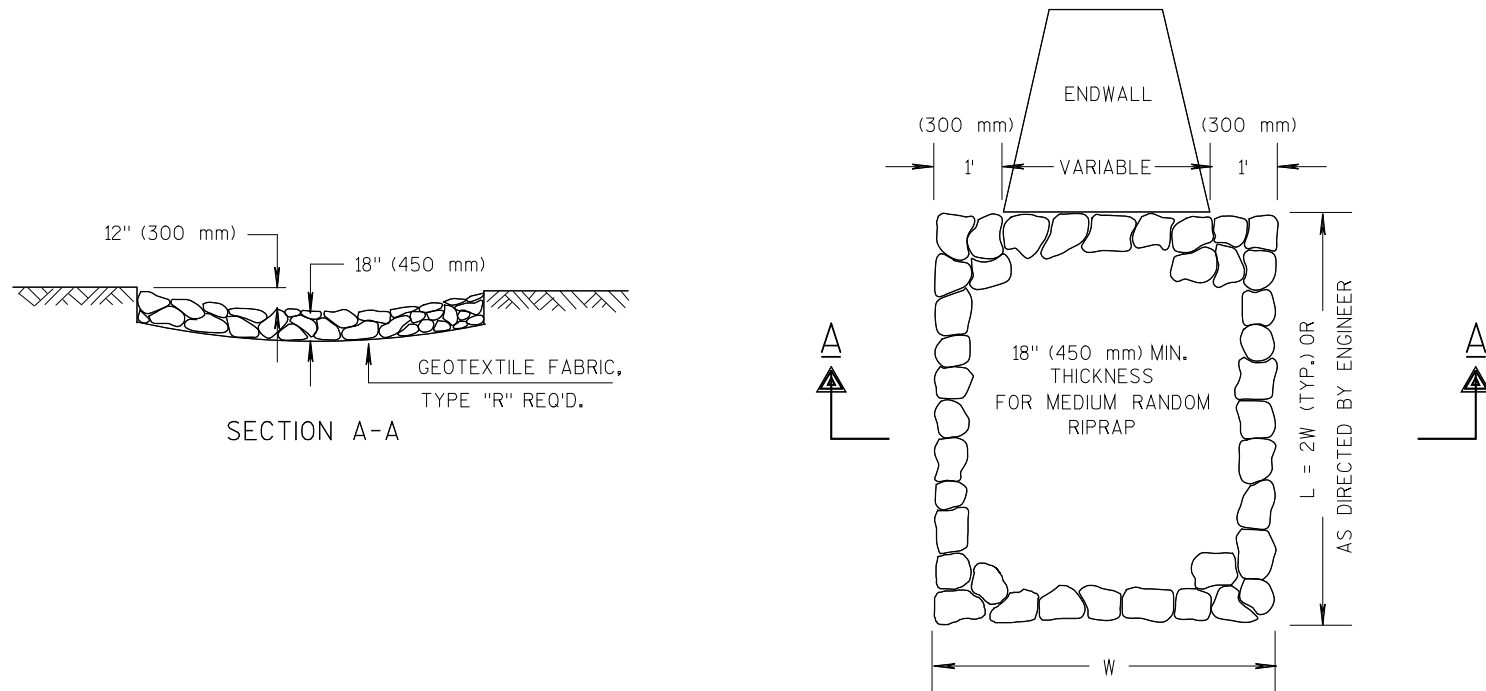
MEDIUM RANDOM RIPRAP TREATMENT AT CULVERTS

CELL NAME: CULRP2

REFERENCE: SEE FDM PROCEDURES 10-10-19, 10-10-29 and 10-10-31

12" (300 mm)

12" (300 mm)

GEOTEXTILE FABRIC,
TYPE "R" REQ'D.

SECTION A-A

ENDWALL

(300 mm)

(300 mm)

1'

VARIABLE

1'

12" (300 mm) MIN.
THICKNESS FOR RIPRAP

A

A

L = 2W (TYP.) OR

AS DIRECTED BY ENGINEER

W
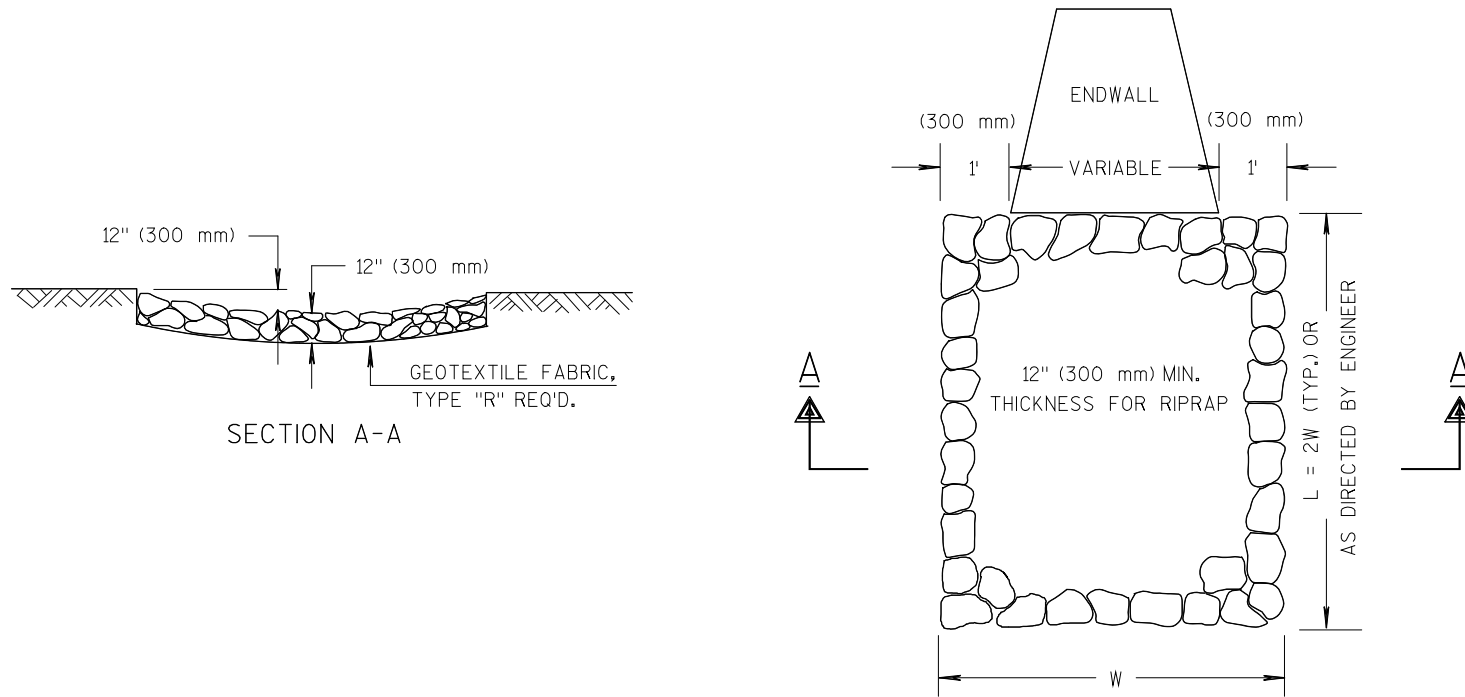
RIPRAP TREATMENT AT CULVERTS

CELL NAME: CULRP1

REFERENCE: SEE FDM PROCEDURES 10-10-19, 10-10-29 and 10-10-31

SOD

B

L *

HEAVY RIPRAP

A

A

4' (1.2 m)

W+2' (600 mm)

W

STANDARD
APRON ENDWALL

B

* L = 3 TIMES DIAMETER (NOR.) OR
10' (3 m) MIN. OR AS DIRECTED BY THE
ENGINEER

HEAVY RIPRAP

24" (600 mm)

GEOTEXTILE FABRIC,
TYPE HR

SECTION A-A

₵

W+2' (600 mm)

24" (600 mm)

VAR.

2' NOR.
(600 mm)

VAR.

GEOTEXTILE FABRIC,
TYPE HR

HEAVY RIPRAP

SECTION B-B

SOD, HEAVY RIPRAP AND GEOTEXTILE FABRIC
DETAIL AT APRON ENDWALLS

CELL NAME: APNEW3

REFERENCE: SEE FDM PROCEDURES 10-10-19, 10-10-29 and 10-10-31

B

SOD

A   RIPRAP   A

L *

4' (1.2 m)

W

W+2' (600 mm)

STANDARD
APRON ENDWALL

B

* L = 3 TIMES DIAMETER (NOR.) OR
    10' (3 m) MIN. OR AS DIRECTED BY THE
    ENGINEER

RIPRAP   12" (300 mm)

GEOTEXTILE FABRIC,
TYPE R

SECTION A-A

₵

W+2' (600 mm)

12" (300 mm)

VAR.   2' NOR.   VAR.
                       (600 mm)

                                              GEOTEXTILE FABRIC,
                                              TYPE R
RIPRAP

SECTION B-B
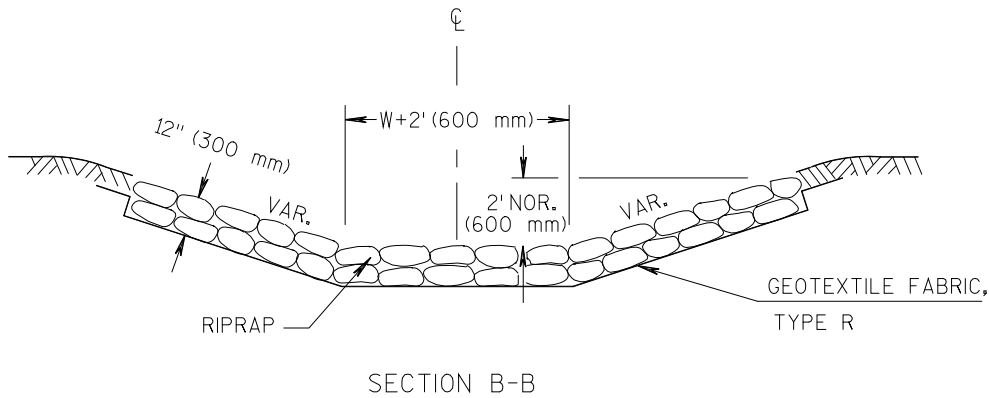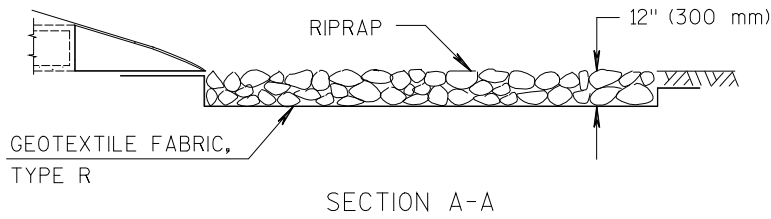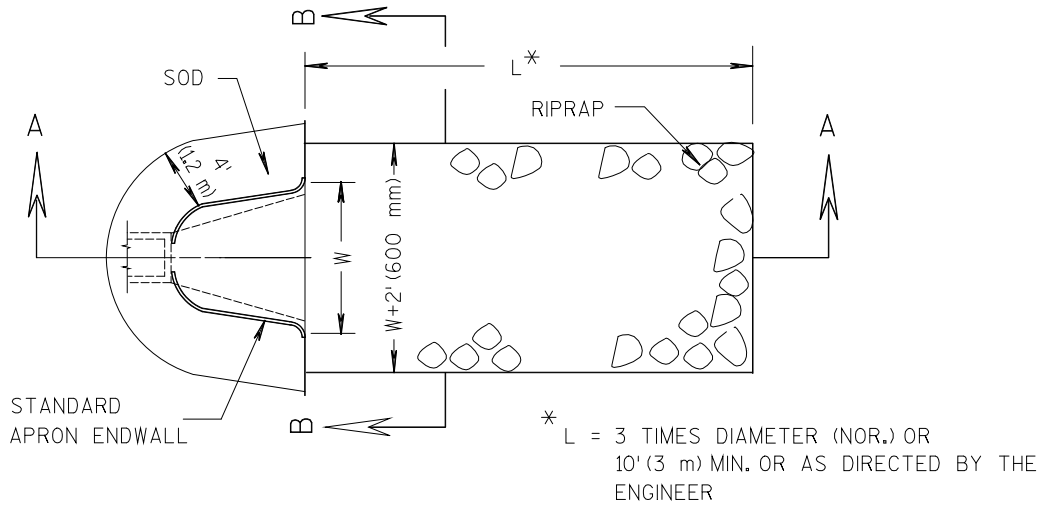
SOD, RIPRAP AND GEOTEXTILE FABRIC DETAIL
AT APRON ENDWALLS

CELL NAME: APNEW1
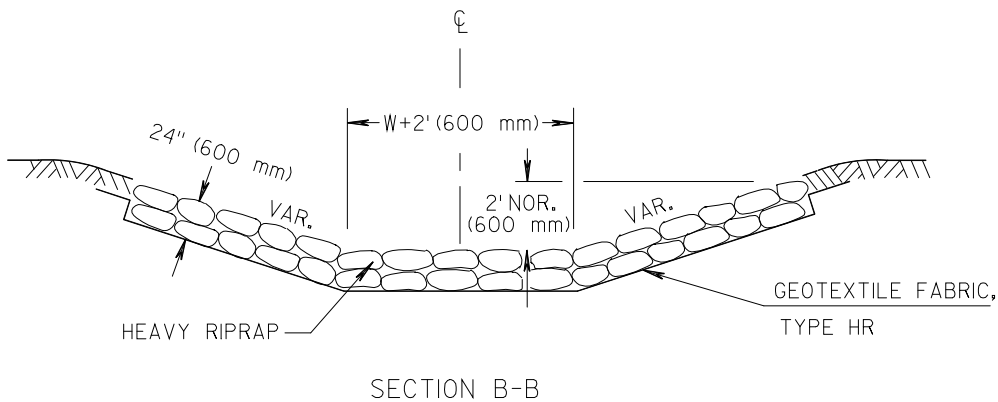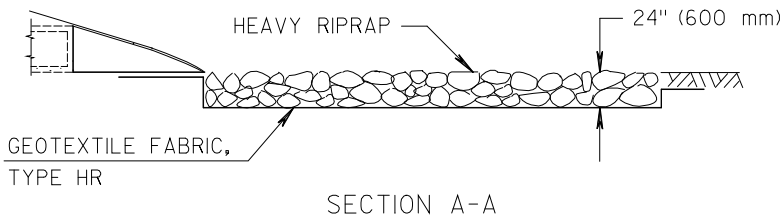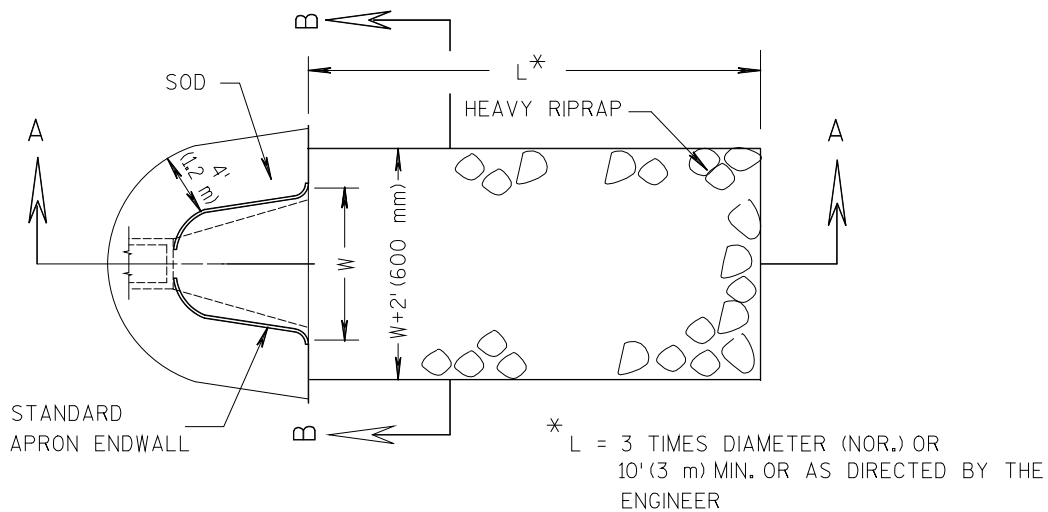
REFERENCE: SEE FDM PROCEDURES 10-10-19, 10-10-29 and 10-10-31

B

SOD

A   A

MEDIUM RANDOM
RIPRAP

4'
(1.2 m)

L *

W+2' (600 mm)

W

STANDARD
APRON ENDWALL

B

*
L = 3 TIMES DIAMETER (NOR.) OR
10' (3 m) MIN. OR AS DIRECTED BY THE
ENGINEER

MEDIUM RANDOM
RIPRAP

18'' (450 mm)

GEOTEXTILE FABRIC,
TYPE R

SECTION A-A

℄

18'' (450 mm)

W+2' (600 mm)

VAR.

2' NOR.
(600 mm)

VAR.

MEDIUM RANDOM
RIPRAP

GEOTEXTILE FABRIC,
TYPE R

SECTION B-B
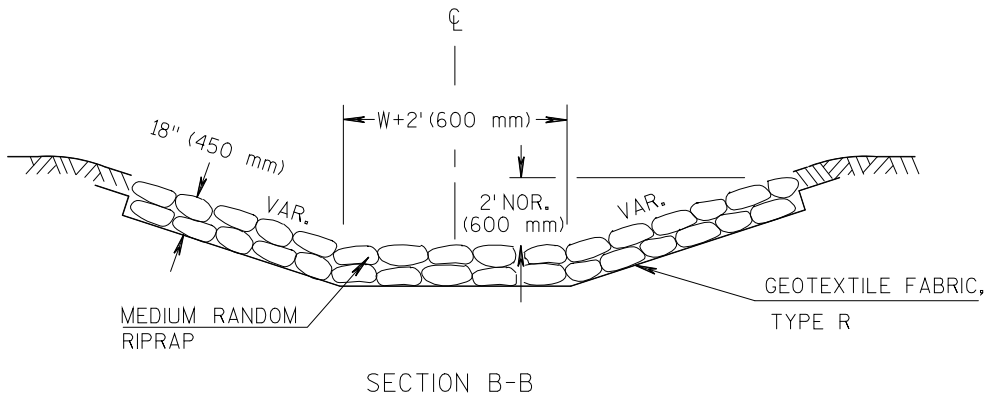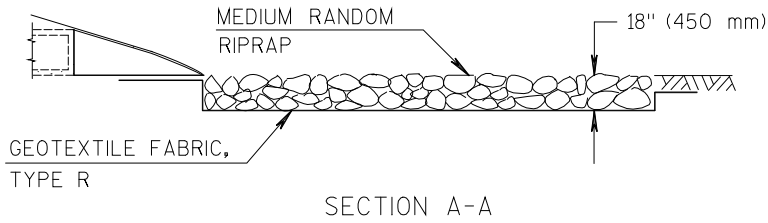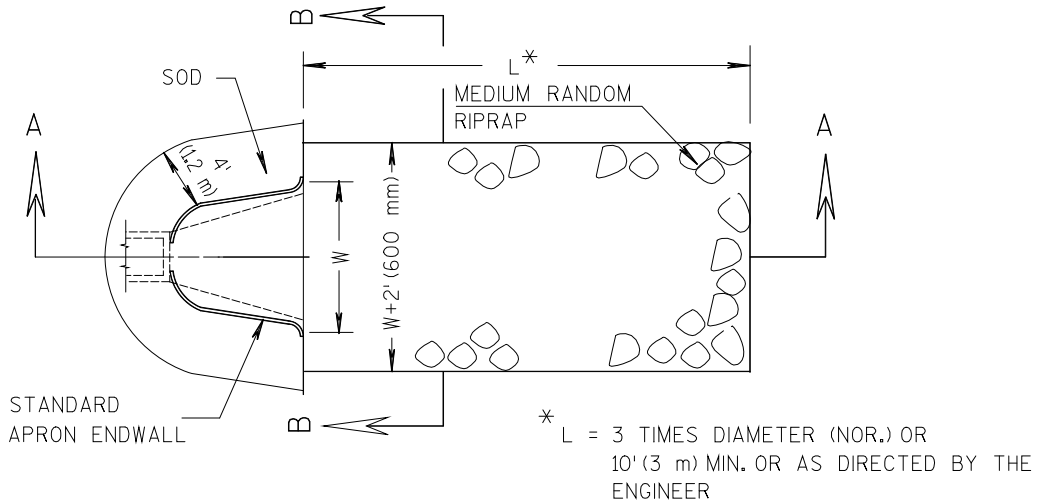
SOD, MEDIUM RANDOM RIPRAP AND GEOTEXTILE FABRIC

DETAIL AT APRON ENDWALLS

CELL NAME: APNEW2

REFERENCE: SEE FDM PROCEDURES 10-10-19, 10-10-29 and 10-10-31

12" (300 mm)

24" (450 mm)

GEOTEXTILE FABRIC,
TYPE "HR" REQ'D.

SECTION A-A

ENDWALL

(300 mm)

(300 mm)

1'

VARIABLE

1'

A

A

24" (600 mm) MIN.
THICKNESS
FOR HEAVY RIPRAP

L = 2W (TYP.) OR
AS DIRECTED BY ENGINEER

W
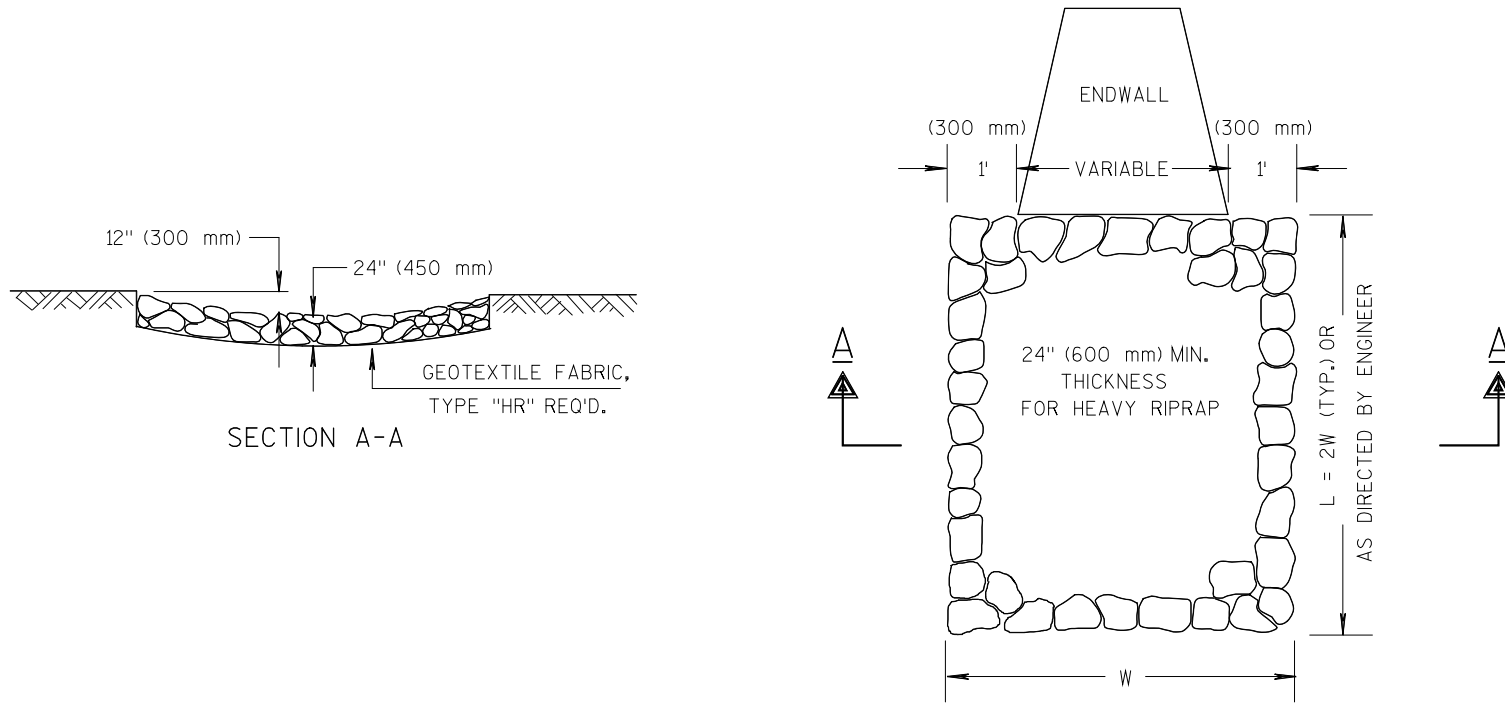
HEAVY RIPRAP TREATMENT AT CULVERTS

CELL NAME: CULRP3

REFERENCE: SEE FDM PROCEDURES 10-10-19, 10-10-29 and 10-10-31

INLET WITH OR WITHOUT COVER
(DESIGNER SHALL SELECT PROPER TITLE)

COMPACTED SOIL

STAKED EROSION BALE

RUNOFF WATER
WITH SEDIMENT

FILTERED WATER

END AND SIDE OVERLAP
AT CORNERS

EROSION BALES STAKED WITH
TWO STAKES PER BALE.
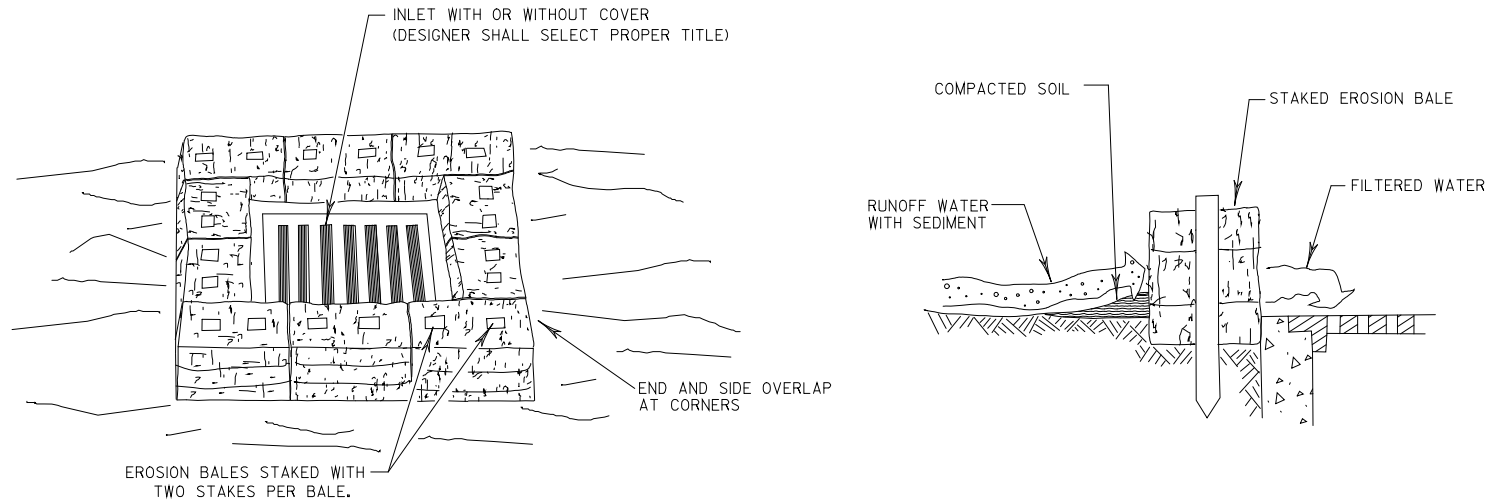
EROSION BALE INLET SEDIMENT BARRIER

CELL NAME: EBSEBR

REFERENCE: SEE FDM PROCEDURES 10-10-21 and 10-10-27

INLET WITH OR WITHOUT GRATE

$1\frac{1}{2}$" X $3\frac{1}{2}$" (38 mm x 89 mm)
POSTS AND CROSS BRACING

NOTE: ATTACH FABRIC TO THE TOP OF
POSTS AND CROSS BRACINGS.

STAKE AND CROSS BRACING

FABRIC

FILTERED WATER

RUNOFF WATER
WITH SEDIMENT

GRATED INLET

BURIED FABRIC
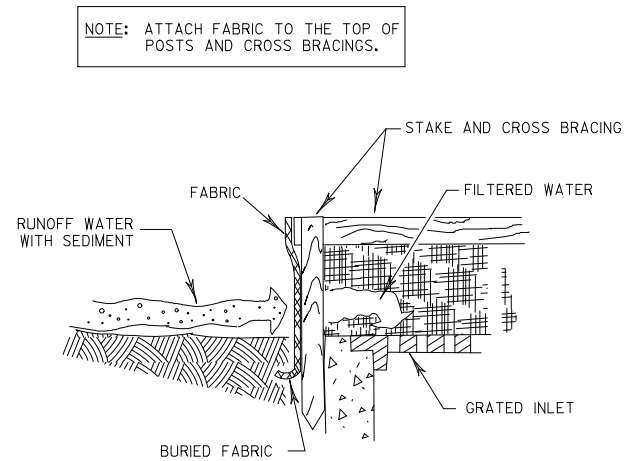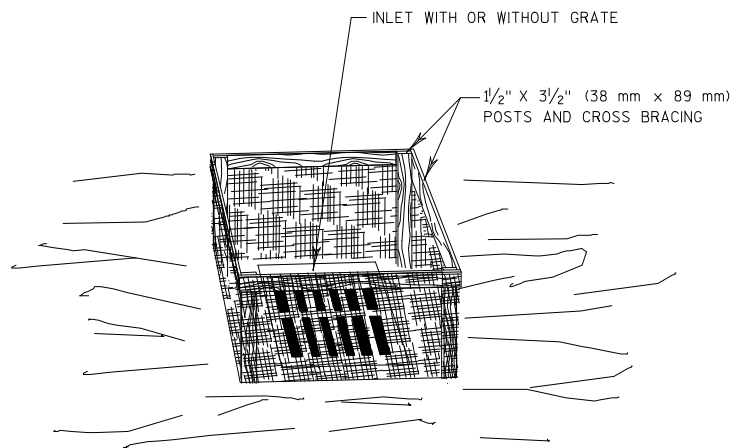
SILT FENCE INLET SEDIMENT BARRIER

CELL NAME: SEDBR3

REFERENCE: SEE FDM PROCEDURES 10-10-23 and 10-10-27

CONSTRUCT TOP OF BERM ELEVATION APPROXIMATELY
1 FOOT (300 mm) ABOVE DITCH FLOW LINE. INSTALL SANDBAGS
ALONG EDGES AND TOP OF GEOTEXTILE FABRIC.

ANCHOR INTO
EARTH GRADE

6" (150 mm) MIN.

FLOW

PLACE TEMPORARY SEEDING
AND EROSION MAT. (TYP.)

GEOTEXTILE
FABRIC TYPE 'DF'

NO. 2 CONCRETE AGGREGATE

SECTION A-A

2' (600 mm) NORM.

3'
(915 mm)

6' (1.8 m)

NORM.

NORM.

A

A

4:1 (1:4) SLOPE
(TYP.)

4:1 (1:4) SLOPE
(TYP.)

3:1
(1:3)

6:1
(1:6)

6:1 (1:6) SLOPE
(TYP.)

6:1 (1:6) SLOPE
(TYP.)

FLOW

PLAN VIEW
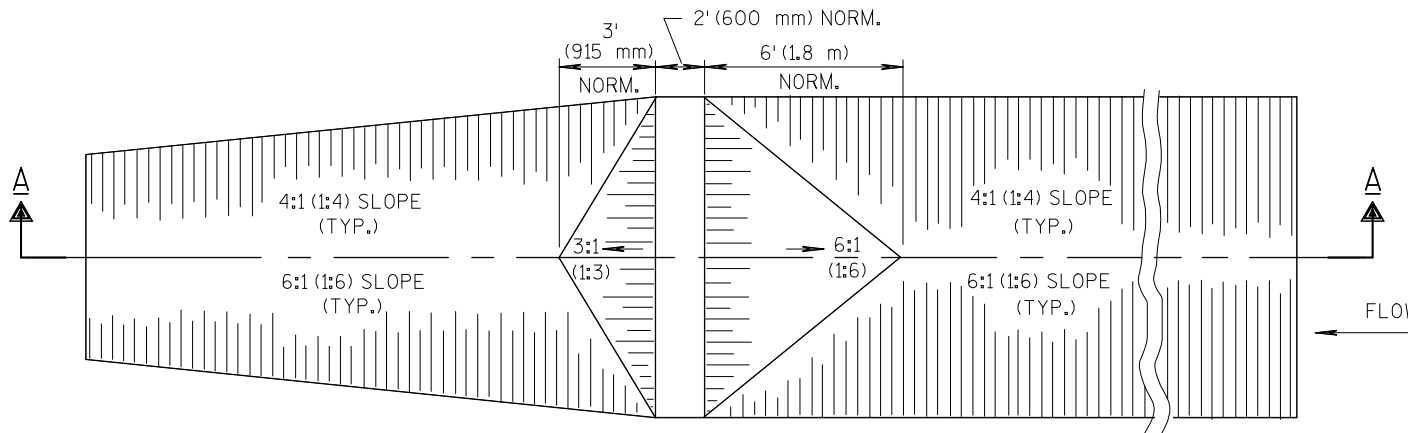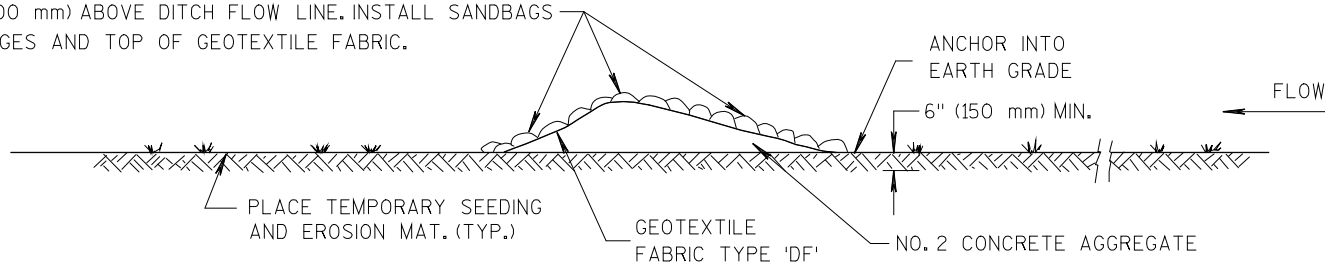
FILTER BERM

CELL NAME: FLBRM

REFERENCE: SEE FDM PROCEDURE 10-10-25

SUBGRADE

GEOTEXTILE
FABRIC SAS

6" (150 mm)

1.5' (450 mm) MIN. –
3' (915 mm) MAX.

CROSS SECTIONAL VIEW

FLOW

6:1 (1:6) NOR.

2:1 (1:2) MAX.

1.5' (450 mm) MIN. –
3' (915 mm) MAX.

SIDE VIEW

GEOTEXTILE
FABRIC SAS
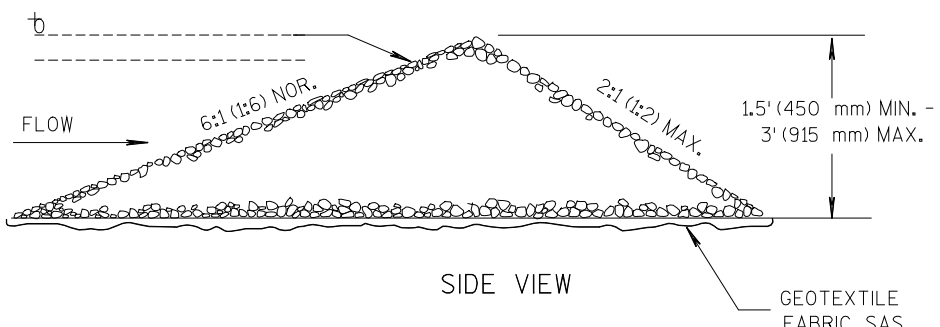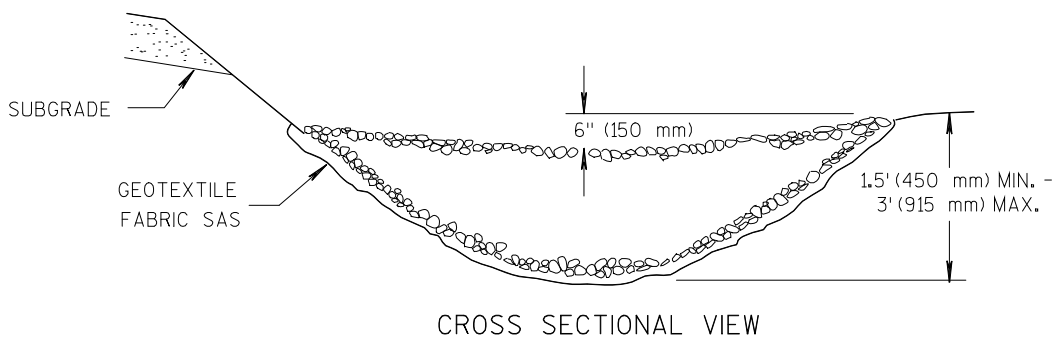
L = THE DISTANCE SUCH THAT POINTS
A AND B ARE OF EQUAL ELEVATION

6:1 (1:6) NOR.

2:1 (1:2)

A

L

6:1 (1:6) NOR.

B

2:1 (1:2)

SIDE VIEW
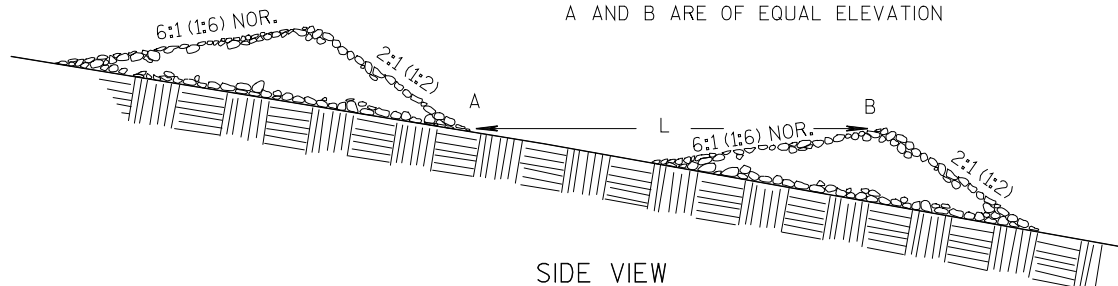
PERMANENT STONE DITCH CHECK

CELL NAME: PSDHCK

REFERENCE: SEE FDM PROCEDURE 10-10-25

COARSE AGGREGATE NO. 2

12"
(300 mm)

12"
(300 mm)

RUNOFF WATER

SEDIMENT

½" (13 mm) WIRE MESH

FILTERED WATER
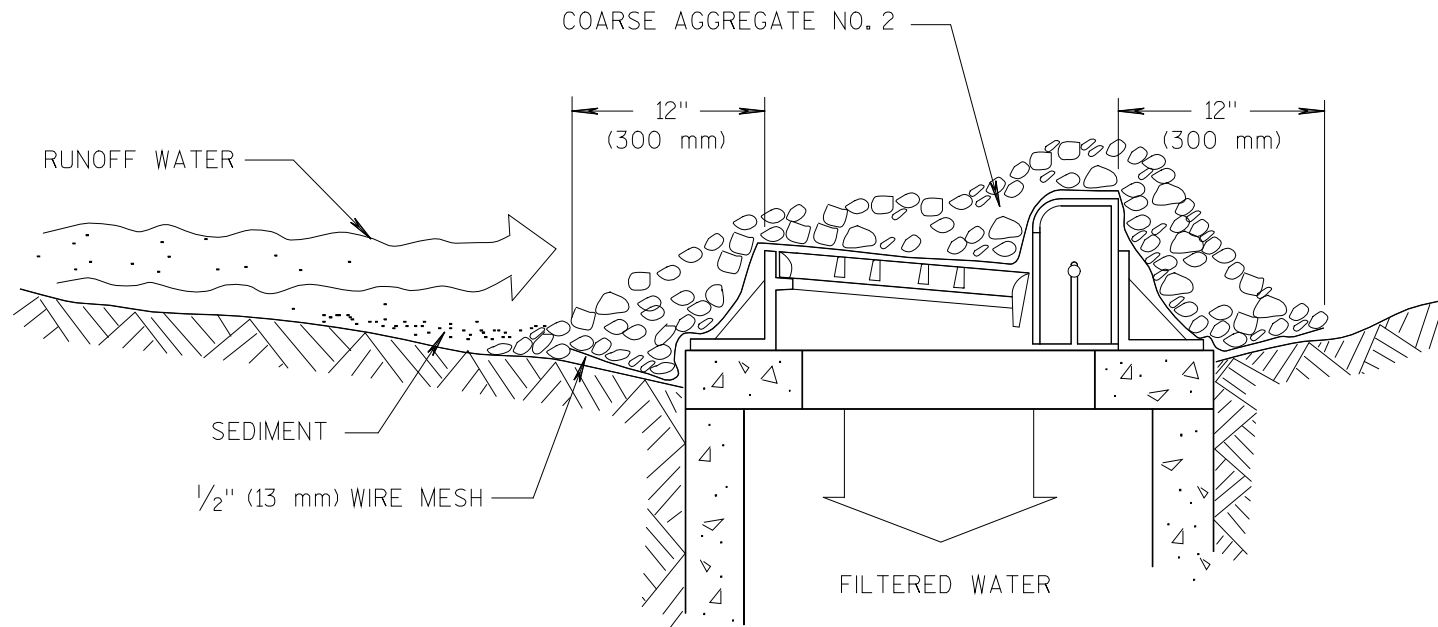
COARSE AGGREGATE SEDIMENT FILTER FOR INLETS

CELL NAME: SEDFL3

REFERENCE: SEE FDM PROCEDURE 10-10-27

SANDBAG TO OVERLAP
ONTO SIDEWALK

BACK OF SIDEWALK

GAP BETWEEN SANDBAGS
ACTS AS SPILLWAY

CURB INLET

BACK OF
CURB

RUNOFF

SPILLWAY

3' (915 mm) MIN.

THREE LAYERS OF SANDBAGS
WITH ENDS OVERLAPPED
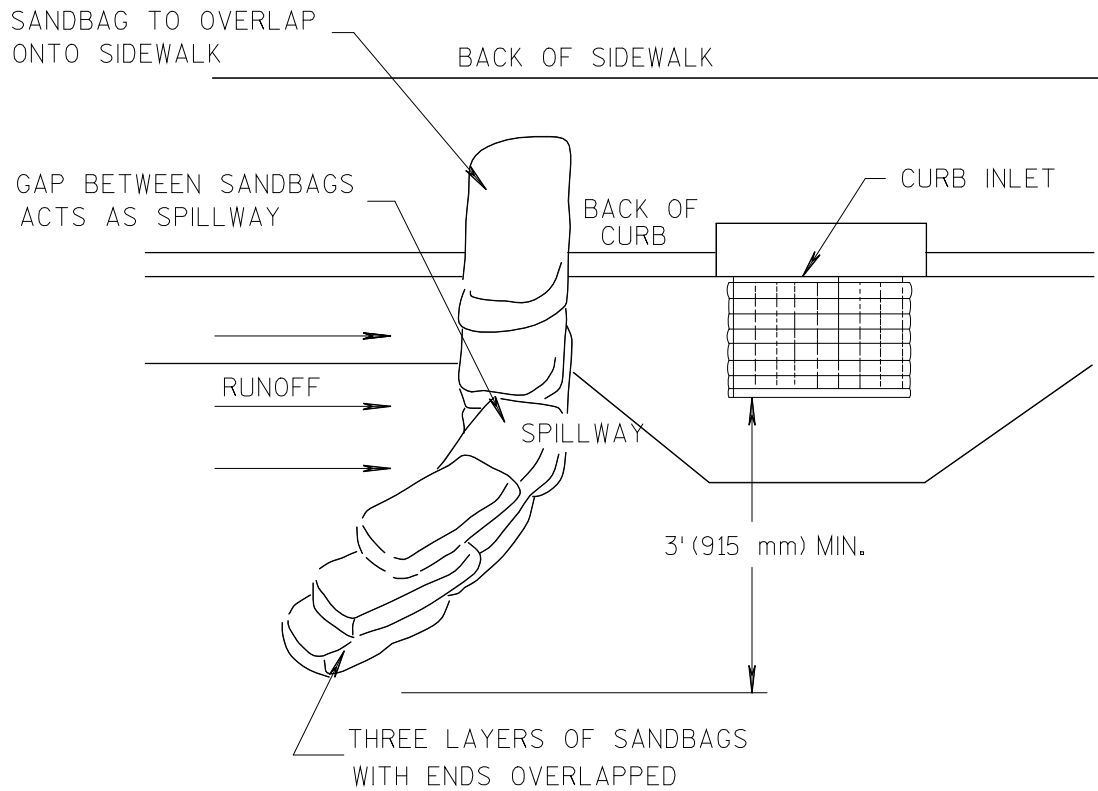
CURB INLET SEDIMENT BARRIER

(SANDBAG TYPE)

CELL NAME: SEDBR1

REFERENCE: SEE FDM PROCEDURE 10-10-27

BACK OF SIDEWALK

SANDBAGS TO
OVERLAP ONTO CURB

CURB INLET

BACK OF
CURB

SPILLWAY

PLAN

(300 mm)

SPILLWAY

12"

MIN.

PONDING HT.

SIDEWALK

INLET

SECTION A-A
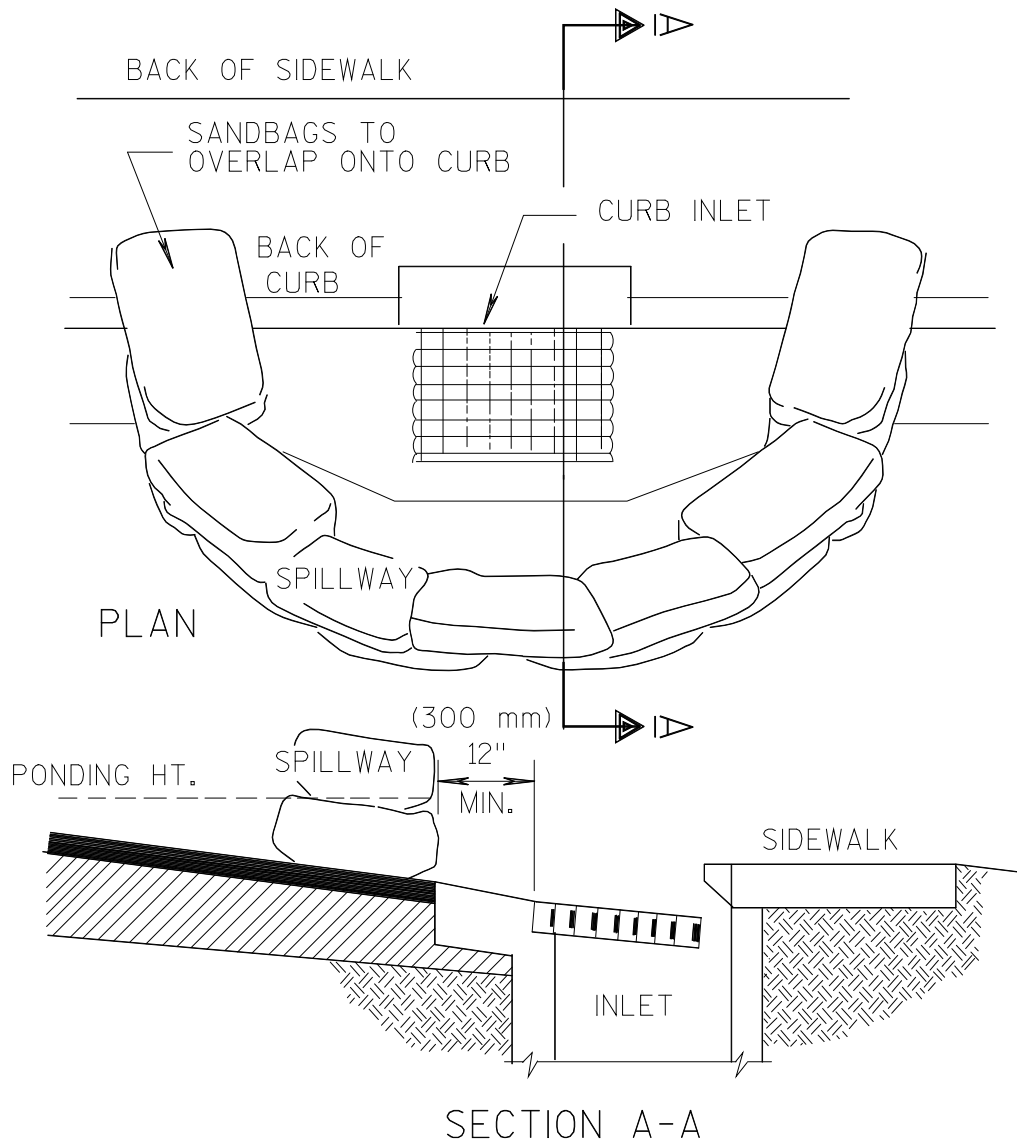
CURB INLET SEDIMENT BARRIER

(SANDBAG TYPE)

CELL NAME: SEDBR2

REFERENCE: SEE FDM PROCEDURE 10-10-27

18" (450 mm) MIN.

COARSE AGGREGATE NO. 2 (12" (300 mm) MIN. DEPTH)

RUNOFF WATER
WITH SEDIMENT

SEDIMENT

½" (13 mm) WIRE MESH

FILTERED WATER
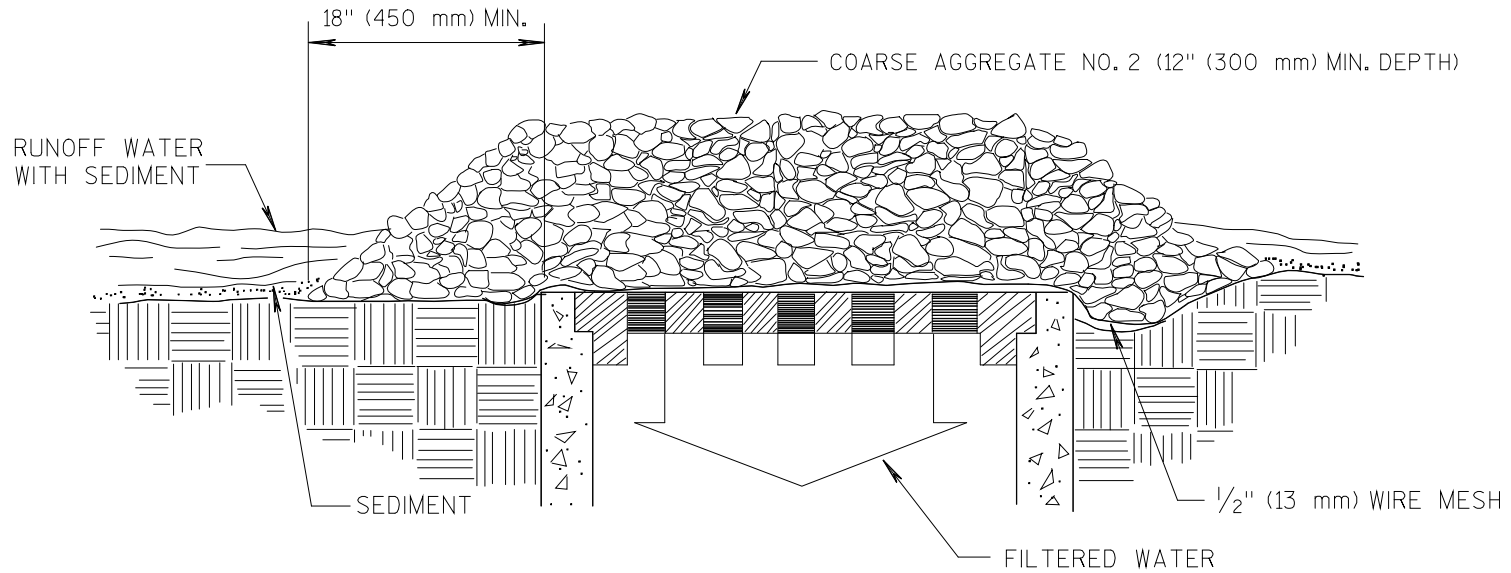
COARSE AGGREGATE SEDIMENT FILTER FOR DROP INLETS

CELL NAME: SEDFL2

REFERENCE: SEE FDM PROCEDURE 10-10-27

PIPE INVERT

RIPRAP HEADWALL

NATURAL GROUND

1' (300 mm) 2' (600 mm)

3' (915 mm)

AREAS TO BE DISTURBED (CUT, FILLED, ETC.)

FLOW

FLOW

RIPRAP

COARSE AGGREGATE

MAX. SEDIMENT DEPTH (CLEAN OUT POINT) AT $\frac{1}{2}$ VOLUME OF WET STORAGE AREA
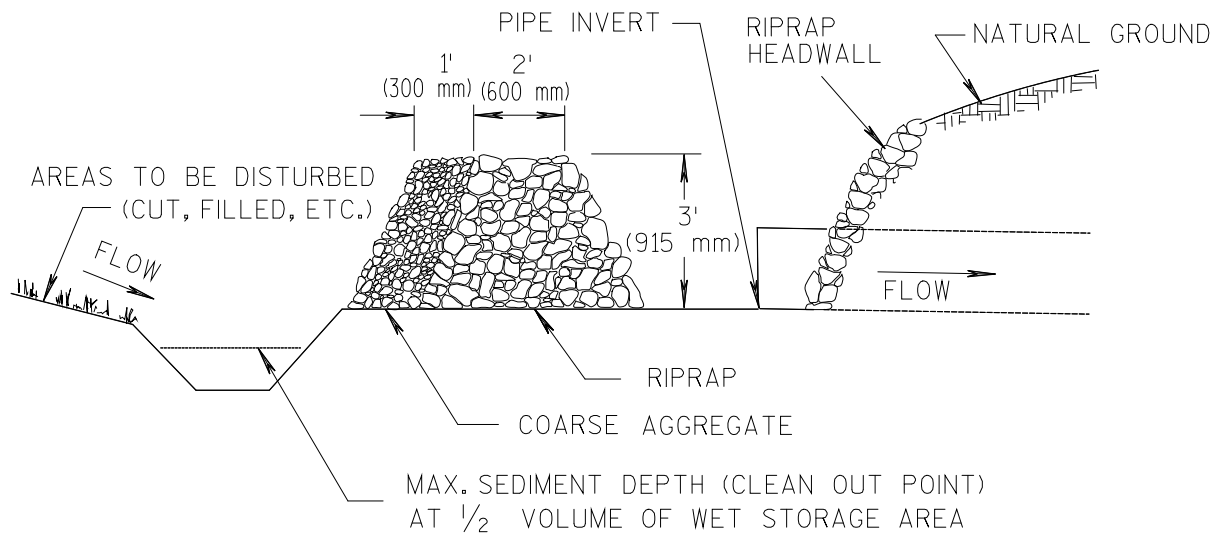
CULVERT INLET SEDIMENT TRAP

CELL NAME: SEDTP2

REFERENCE: SEE FDM PROCEDURES 10-10-29 and 10-10-51

BRIDGE WORK

DANGER BUOY
(EXAMPLE)

CABLE

EXPANDED POLYSTYRENE LOG, BLOCK, OR
APPROVED EQUAL
(49 SQ. IN.(31 500 mm²) MIN. END AREA)

WATER SURFACE

WORK AREA

POLYESTER/POLYPROPYLENE NON-WOVEN
NEEDLE PUNCHED FABRIC

ANCHOR

BALLAST
CHAIN

STREAM BED

2'(600 mm) APPROX. FROM
STREAM OR LAKE BED

HEAVY RIPRAP

SECTION A-A

EXPANDED POLYSTYRENE LOG,
BLOCK, OR APPROVED EQUAL

SHORELINE

HEAVY RIPRAP

WATER FLOW

A   A

BOUY

ANCHORED

PLAN VIEW

SILT SCREEN DETAIL

CELL NAME: SLTSCN

REFERENCE: SEE FDM PROCEDURE 10-10-43

BRIDGE WORK

DANGER BUOY
(EXAMPLE)

BALLAST

SAND BAGS ②
(40 LB. (18 kg) MIN.)
2'(600 mm) MIN.
4'(1200 mm) MAX.

CABLE

2'(600 mm) MIN.

ESTIMATED HIGH WATER
ELEVATION DURING
CONSTRUCTION PERIOD ④

NORMAL WATER
SURFACE ELEVATION

WORK AREA

③ H

FABRIC

ANCHOR

BALLAST

STREAM BED

①

HEAVY RIPRAP

SECTION A-A

0-10'
(3 m)
MAX. ③

5'(1.5 m)
MAX.

①

②

SAND BAGS

ANCHOR ④

BOUY

WATER FLOW

A ← → A

SHORELINE

HEAVY RIPRAP

PLAN VIEW

NOTES:

① DRIVEN STEEL POSTS, PIPES, OR CHANNELS.
LENGTH SHALL BE SUFFICIENT TO SECURELY
SUPPORT BARRIER AT HIGH WATER ELEVATIONS.

② SANDBAGS TO BE USED AS ADDITIONAL BALLAST
WHEN ORDERED BY THE ENGINEER TO MEET ADVERSE
FIELD CONDITIONS.

③ WHEN BARRIER HEIGHT, H, EXCEEDS 8 FT.(2.4 m),
POST SPACING MAY NEED TO BE DECREASED.

④ ELEVATION VALUE TO BE ESTABLISHED BY THE
CONTRACTOR BASED ON THE TIME OF YEAR AND
DURATION OF THE ACTIVITY.

TURBIDITY BARRIER DETAIL

CELL NAME: TURBBR

REFERENCE: SEE FDM PROCEDURE 10-10-45

SIDE SLOPES

A
↑
A

INLET
FLOW

BOTTOM

W

OUTLET
FLOW

L

PLAN VIEW

A
↑
A

INLET FLOW

ORIGINAL GROUND

▽

OUTLET FLOW

PROTECTED AREAS
1. NATURAL VEGETATION
2. GRASS
3. RIPRAP
4. EROSION MAT CLASS ___,TYPE .

SECTION A-A
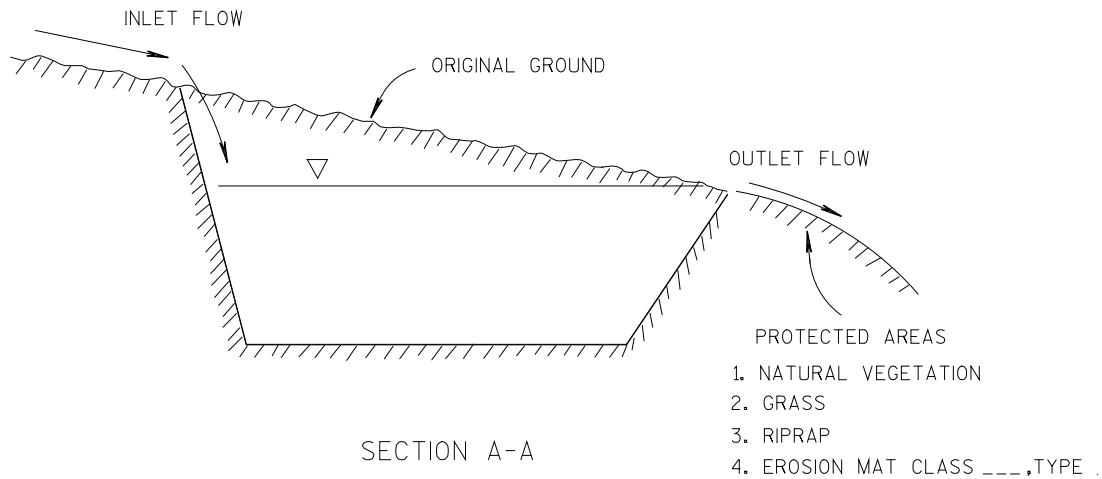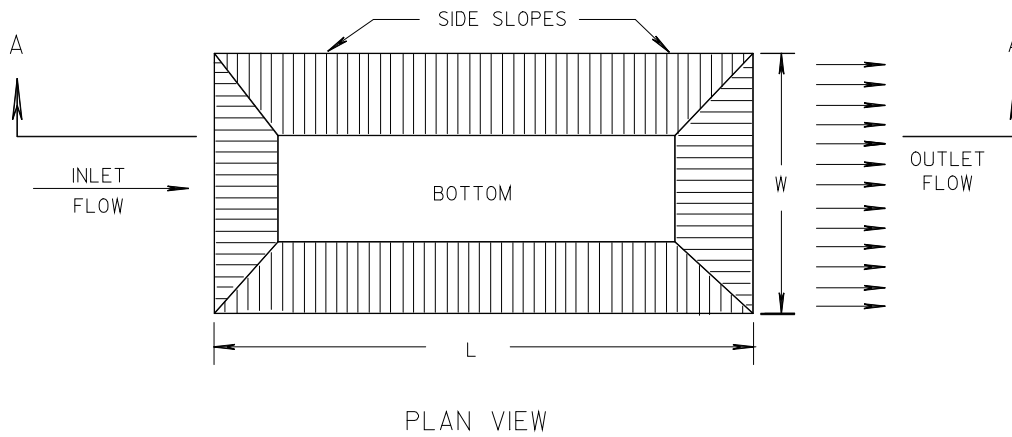
TYPICAL EXCAVATED SEDIMENT TRAP

CELL NAME: SEDTP1

REFERENCE: SEE FDM PROCEDURE 10-10-51

VAR.

6'(1.8 m)

MIN.

EROSION MAT, CLASS ___ , TYPE _

OVERFLOW TRENCH
SECTION A-A

A

OVERFLOW TRENCH

A
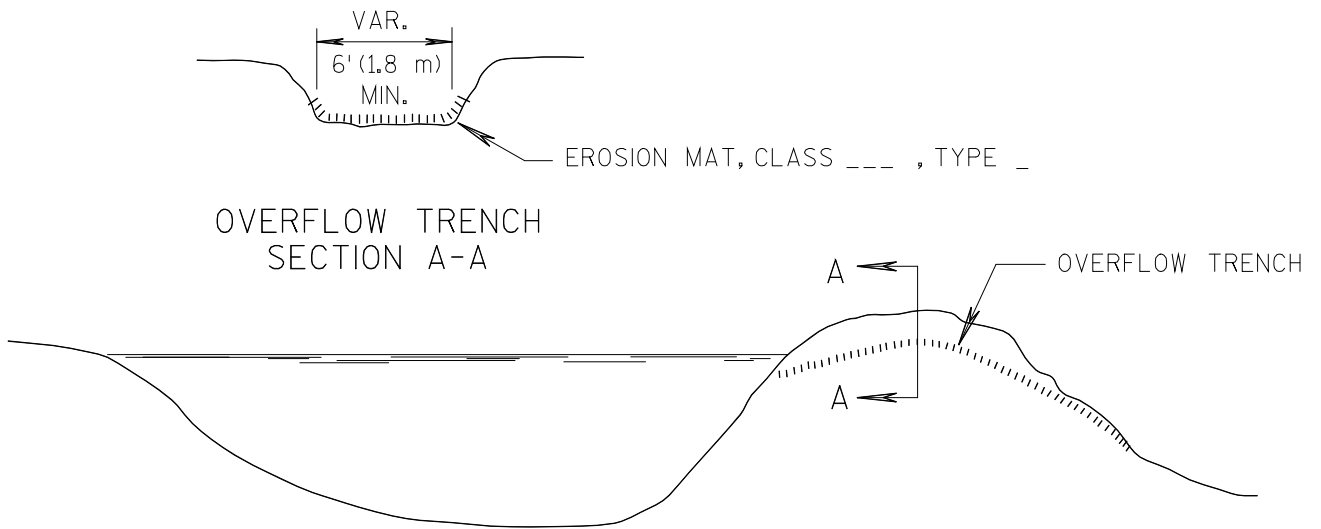
NOTE: EXCAVATION AND BACKFILL FOR SEDIMENT BASIN TO BE PAID FOR UNDER
"UNCLASSIFIED EXCAVATION" ITEM. (EXACT DIMENSIONS TO BE AS DIRECTED
BY THE ENGINEER.)

CLEANING OF SEDIMENT BASINS, WHEN DIRECTED BY THE ENGINEER, IS PAID
FOR UNDER THE ITEM OF "CLEANING SEDIMENT BASINS" (C.Y.)

SEDIMENT BASIN AND OUTLET DETAIL

CELL NAME: SEBSN

REFERENCE: SEE FDM PROCEDURE 10-10-51

WELD

90°

WELD TO RISER

ANTIVORTEX DEVICE

6" (150 mm)

24" (600 mm) CSCP RISER

CUT AND WELD

18" (450 mm) CSCP

6' (1.8 m)

6" (150 mm)

φ°

MIN.
LENGTH 4' (1.2 m)

CONCRETE SPLASH PAD
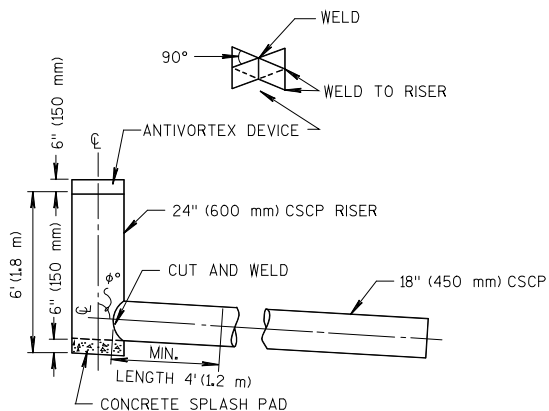
φ°=90° + PIPE SLOPE. PIPE SLOPE TO BE DETERMINED
BY THE ENGINEER IN THE FIELD.

RISER AND BARREL DETAIL

ORIGINAL

DRAINAGE

℄ ROADWAY

SEE RISER &
BARREL DETAIL

6' (1.8 m) R.

-0.0%

10' (3 m) BERM

2.5:1
(1:2.5)

18"
(450 mm)
CSCP

DIRECTION
OF STATIONING

RIPRAP EMERGENCY SPILLWAY

10'
(3 m)
MIN.

3'
(915 mm)

6'
(1.8 m)

TOE OF SLOPE

GROUND

RIPRAP DRAINAGE FLUME
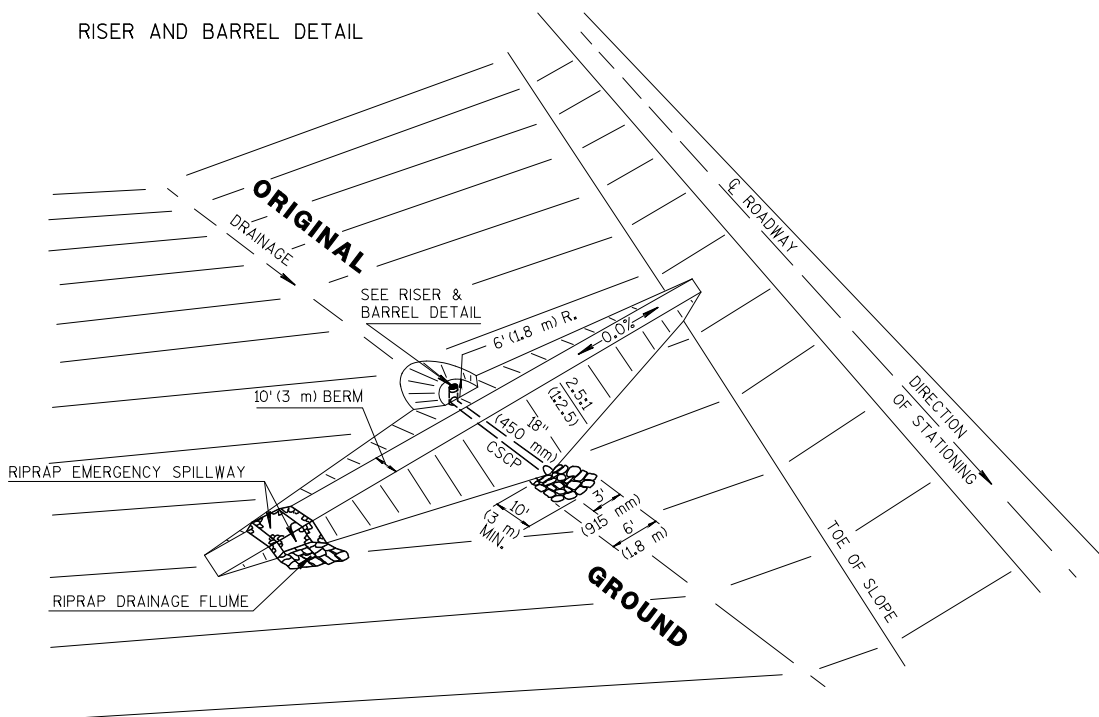
SILTING POND DETAIL

CELL NAME: SLTPD

REFERENCE: SEE FDM PROCEDURE 10-10-51

CSCP ELBOW

EARTH BERM

FASTEN FLEXIBLE
DRAIN SECURELY

CSCP END SECTION

SECTION A-A

TEMPORARY FILL DIVERSION

__" (mm) SLOPE DRAIN

ANCHORS EVERY 20 FT. (6.1 m)

FILL CROWNED
FOR DRAINAGE

ENERGY DISSIPATOR WITH ADEQUATE SCOUR PROTECTION
(SCOUR HOLE WITH GEOTEXTILE FABRIC, RIPRAP APRON,
LINED CHECKDAM WITH GEOTEXTILE FABRIC. DESIGNER
SHALL PICK PROPER ONE.)
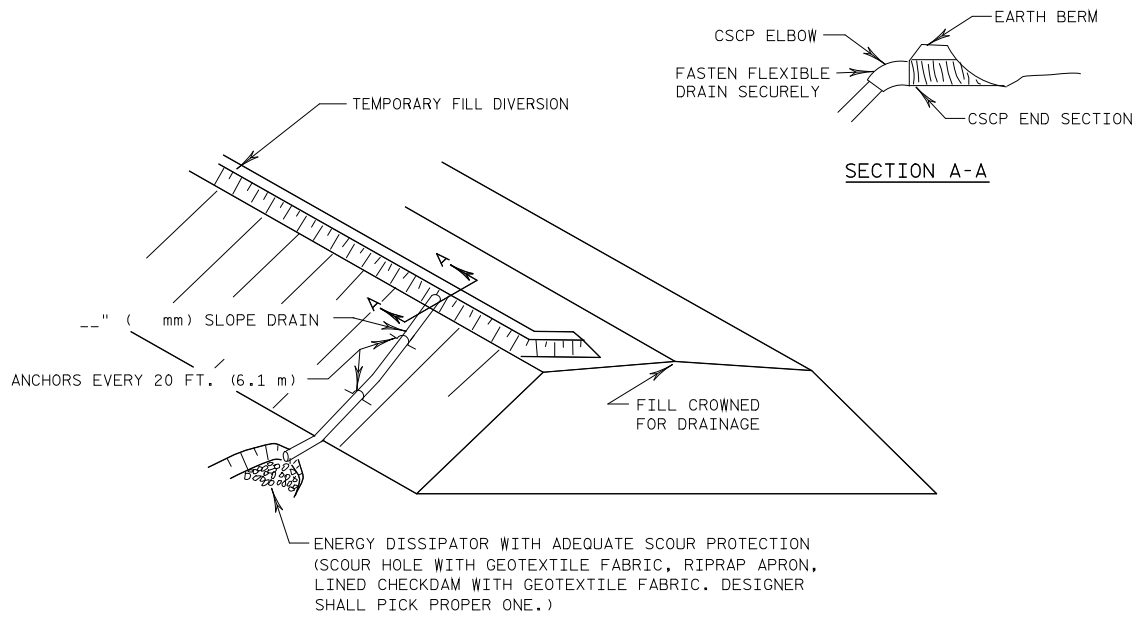
TEMPORARY FLEXIBLE SLOPE DRAIN

CELL NAME: SLPDR1

REFERENCE: SEE FDM PROCEDURE 10-10-57

EXISTING CONCRETE
CURB & GUTTER

TIE BARS
REQ'D.

EDGE OF
PAVEMENT

DIRECTION
OF FLOW

40' (12.2 m) R

6'-0" (1.8 m)±
OR AS REQ'D.

6'-0" (1.8 m) +
OR AS REQ'D.

NO. 4 (10M) BARS AT 3'-0" (915 mm)
MAXIMUM SPACING

NOTE: TYPICAL DESIGN ONLY. EXACT
DESIGN AND FLUME LENGTH SHALL
BE DETERMINED AT TIME OF CON-
STRUCTION TO FIT FIELD CONDITIONS.

RIPRAP SHALL BE 1 FOOT (915 mm) DEEP.

ALL BARS SHALL BE EPOXY COATED
IN ACCORDANCE WITH SECTION 505
OF THE STANDARD SPECIFICATIONS.

CUT-OFF WALL
1'-0" X 2'-0"
(300 mm x 600 mm) DEEP

RIPRAP OVER
GEOTEXTILE FABRIC,
TYPE R

CONCRETE SURFACE DRAIN

(150 mm)
6"

2'-0"
(600 mm)

(150 mm)
6"

3" (75 mm) R

1/4" (6 mm) R

6"
(150 mm)

13"
(330 mm)

7"
(180 mm)

2" (50 mm)

NO. 4 (10M) BARS

SECTION A-A

CELL NAME: CSRFDR

REFERENCE: SEE FDM PROCEDURE 10-10-57, SDD 8D2-4,
SDD 8D3-4 and SDD 8D4-3

BACKFILL WITH EXCAVATED MATERIAL

EXISTING SLOPE

8" (200 mm)

POURED CONCRETE CAP
WITH TWO NO. 3 (5M) REBARS

DRAIN

4" (100 mm) MIN.

BATTER *

* $\frac{1}{2}$: 1 (1 :$\frac{1}{2}$) NOR.

$\frac{1}{4}$: 1 (1 :$\frac{1}{4}$) MIN.

H $\leq$ 3' (915 mm) **

SPLIT CONCRETE
BLOCK WALL

PROPOSED SLOPE

GEOTEXTILE FABRIC
TYPE "DF"

1' (300 mm) MIN.
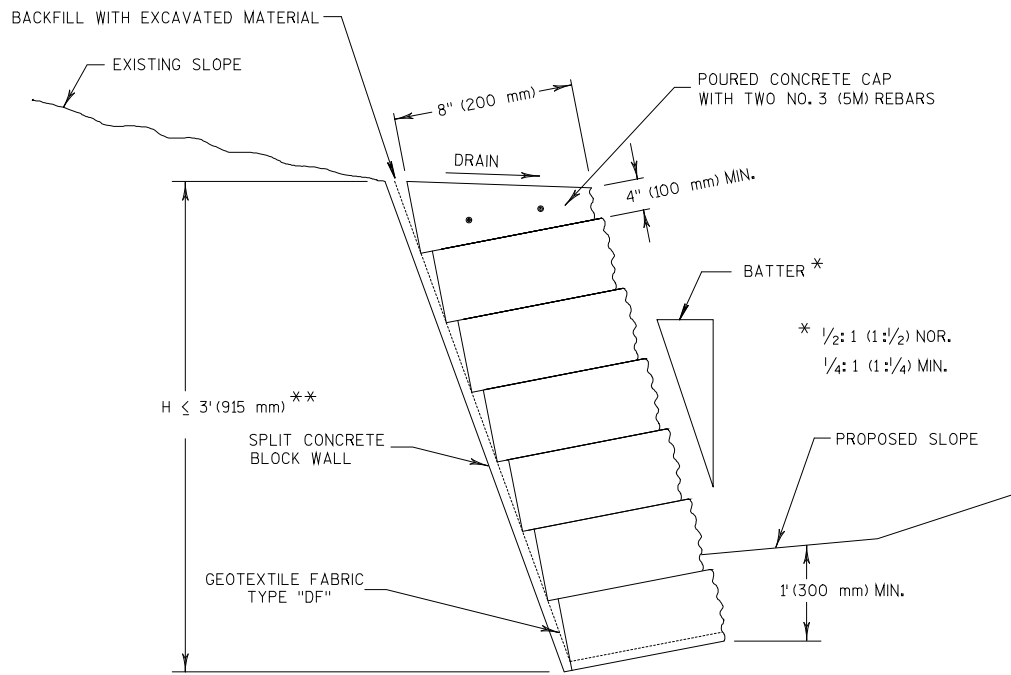
** SEE PLAN SHEETS AND/OR CROSS SECTIONS
FOR ACTUAL DIMENSIONS. WALLS GREATER THAN
3' (915 mm) MUST BE DESIGNED BY A GEOTECHNICAL ENGINEER.

SPLIT CONCRETE BLOCK WALL

CELL NAME: CBLKWL

2'
(600 mm)

2'
(600 mm)

STAKE AS NECESSARY

2½:2:1
(1:2½:2)

10' (3 m)

2½:2:1
(1:2½:2)

POLYETHYLENE
SHEETING

EDGES OF CHANNEL
LINER SHALL BE TRENCHED
IN OR BURIED BY EARTH MOUN

#1 COARSE AGGREGATE

6" (150 mm) MIN.
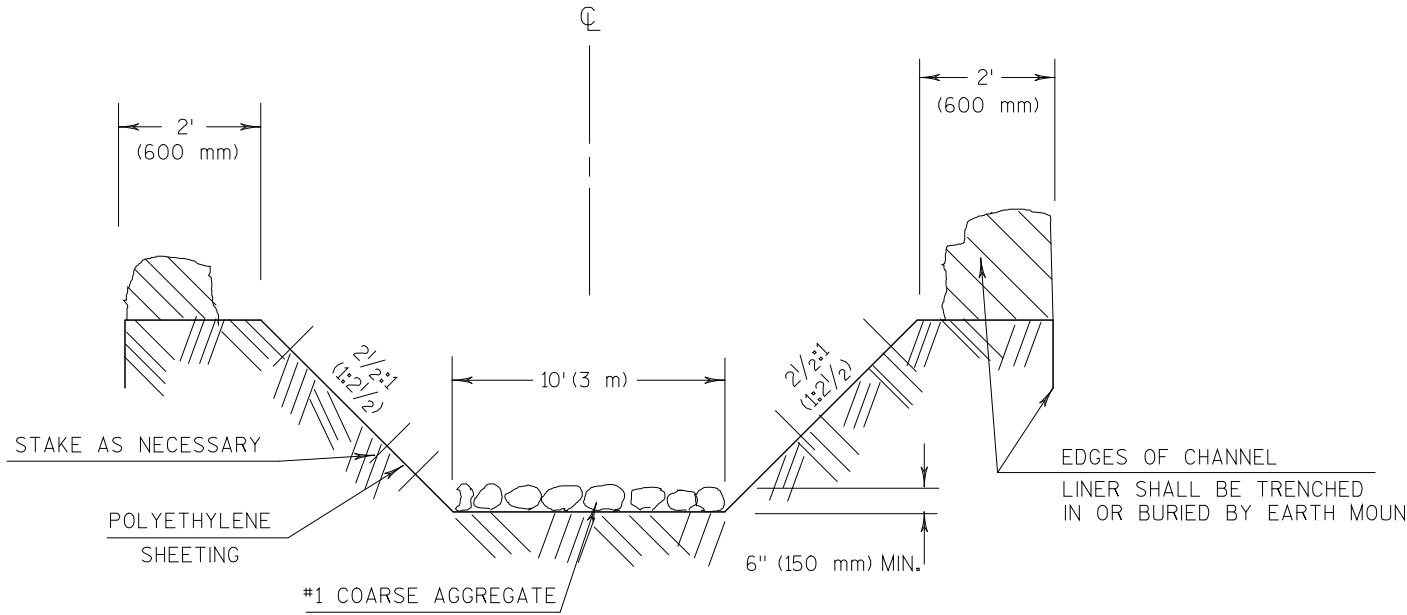
TYPICAL SECTION OF TEMPORARY CHANNEL CHANGE

CELL NAME: TCHL

** SEE PLAN SHEETS AND/OR CROSS
   SECTIONS FOR ACTUAL DIMENSIONS.
   WALLS GREATER THAN 3 FT. (915 mm) MUST BE
   DESIGNED BY A GEOTECHNICAL ENGINEER.

12" 8"
(300 mm) (200 mm)
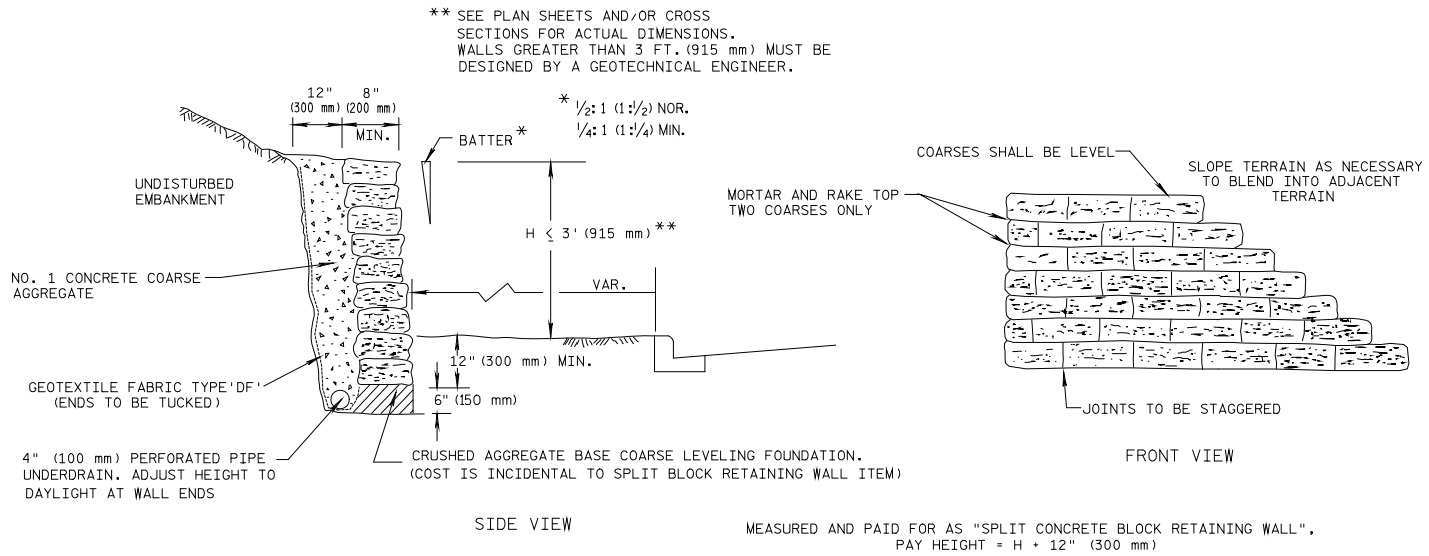MIN.

* $\frac{1}{2}$:1 (1:$\frac{1}{2}$) NOR.
  $\frac{1}{4}$:1 (1:$\frac{1}{4}$) MIN.

BATTER *

UNDISTURBED
EMBANKMENT

H $\leq$ 3' (915 mm) **

COARSES SHALL BE LEVEL

SLOPE TERRAIN AS NECESSARY
TO BLEND INTO ADJACENT
TERRAIN

MORTAR AND RAKE TOP
TWO COARSES ONLY

NO. 1 CONCRETE COARSE
AGGREGATE

VAR.

GEOTEXTILE FABRIC TYPE 'DF'
(ENDS TO BE TUCKED)

12" (300 mm) MIN.

6" (150 mm)

JOINTS TO BE STAGGERED

4" (100 mm) PERFORATED PIPE
UNDERDRAIN. ADJUST HEIGHT TO
DAYLIGHT AT WALL ENDS

CRUSHED AGGREGATE BASE COARSE LEVELING FOUNDATION.
(COST IS INCIDENTAL TO SPLIT BLOCK RETAINING WALL ITEM)

FRONT VIEW

SIDE VIEW

MEASURED AND PAID FOR AS "SPLIT CONCRETE BLOCK RETAINING WALL".
PAY HEIGHT = H + 12" (300 mm)

DETAIL FOR SPLIT CONCRETE BLOCK RETAINING WALL

CELL NAME: BLKRWL