LONGITUDINAL ANCHOR TRENCH

TERMINAL SLOPE AND CHANNEL ANCHOR TRENCH

STAKE AT 3'-5' INTERVALS.

CHANNEL BOTTOM

CHECK SLOT AT 25' INTERVALS

ISOMETRIC VIEW

INITIAL CHANNEL ANCHOR TRENCH

INTERMITTENT CHECK SLOT

NOTES:
1. CHECK SLOTS TO BE CONSTRUCTED PER MANUFACTURERS SPECIFICATIONS.
2. STAKING OR STAPLING LAYOUT PER MANUFACTURERS SPECIFICATIONS.

MATTING CHANNEL INSTALLATION

DRAWING NO. 800

REVISED 12-16
MATS/BLANKETS SHOULD
BE INSTALLED VERTICALLY
downSLOPE.

TAMP SOIL OVER MAT/BLANKET

MIN. 4" OVERLAP

ISOMETRIC VIEW

TYPICAL SLOPE
SOIL STABILIZATION

NOT TO SCALE

NOTES:

1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
2. APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS.
3. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
4. STAKING OR STAPLING LAYOUT PER MANUFACTURERS SPECIFICATIONS.

MATTING SLOPE INSTALLATION

DRAWING NO. 805

REVISION 12-16
FOR FURTHER INFORMATION
ON DESIGN CRITERIA SEE
CHAPTER 4 OF CLEAN WATER
SERVICES EROSION PREVENTION
AND SEDIMENT CONTROL
PLANNING AND DESIGN MANUAL.

MINIMUM 12" OVERLAP
OF SEAMS.

SEE NOTE NO. 3

EROSION CONTROL BARRIER
REQUIRED @ TOE OF SLOPE.

PLASTIC SHEETING

NOTES:
1. MINIMUM 12’ OVERLAP OF ALL SEAMS REQUIRED.
2. BARRIER REQUIRED @ TOE OF STOCK PILE.
3. COVERING MAINTAINED TIGHTLY IN PLACE BY USING SANDBAGS OR APPROVED EQUAL ON
ROPE WITH A MAXIMUM 10’ GRID SPACING IN ALL DIRECTIONS.
4. PLASTIC TO EXTEND MINIMUM 1’ BEYOND TOE OF SLOPE
FOR FURTHER INFORMATION
ON DESIGN CRITERIA SEE
CHAPTER 4 OF CLEAN WATER
SERVICES EROSION PREVENTION
AND SEDIMENT CONTROL
PLANNING AND DESIGN MANUAL.

NOTES:
1. BIO BAGS ONLY REQUIRED WHEN DISCHARGING SEDIMENT LADEN WATER.
2. STAKING OF BAGS REQUIRED WITH EITHER METHOD USING (2) 1"x 2" WOOD STAKES OR
   APPROVED EQUAL PER BAG.

OUTLET PROTECTION
RIP RAP

DRAWING NO. 820  REVISND 12-16
NOTES:
1. CONTRACTOR TO COMPLY WITH CONDITIONS AND REQUIREMENT OF DSL AND CORPS PERMITS.

FOR FURTHER INFORMATION ON DESIGN CRITERIA SEE CHAPTER 4 OF CLEAN WATER SERVICES EROSION PREVENTION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.

OUTLET PROTECTION STILLING BASIN
SURFACE ROUGHENING
CAT TRACKING

FOR FURTHER INFORMATION
ON DESIGN CRITERIA SEE
CHAPTER 4 OF CLEAN WATER
SERVICES EROSION PREVENTION
AND SEDIMENT CONTROL
PLANNING AND DESIGN MANUAL.

UNDISTURBED VEGETATION

CULTIVATE SOIL TO CREATE FURROWS
PERPENDICULAR TO SLOPE

UNDISTURBED VEGETATION

INTERCEPTOR SWALE

USE DOZER TRACKS TO CREATE GROOVES
PERPENDICULAR TO SLOPE

CleanWater Services

DRAWING NO. 830
REVISED 12-16
For further information on design criteria see Chapter 4 of Clean Water Services Erosion Prevention and Sediment Control Planning and Design Manual.

**Stair Stepping Cut Slopes**

Debris from slope above is caught by steps.

Water, soil, and fertilizer are held by steps. Plants can become established on the steps.

**Grooving Slopes**

Grooving is cutting furrows along the contour of a slope. Irregularities in the soil surface reduce runoff velocity, promote infiltration, and retain lime, fertilizer, and seed.

Surface Roughening

Stair Stepping/Grooving Slopes
FOR FURTHER INFORMATION ON DESIGN CRITERIA SEE CHAPTER 4 OF CLEAN WATER SERVICES EROSION PREVENTION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.

ROCK CHECK DAM

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

1' SLUMP OPTIONAL

SPACING BETWEEN CHECK DAMS

CHECK DAM ROCK

CleanWater Services

DRAWING NO. 840 REVISED 12-16
FOR FURTHER INFORMATION ON DESIGN CRITERIA SEE CHAPTER 4 OF CLEAN WATER SERVICES EROSION PREVENTION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.

NOTES:
1. STAKING OF BAGS REQUIRED USING (2) 1"X2" WOOD STAKES OR APPROVED EQUAL PER BAG.
2. SURFACE MUST BE SMOOTH BEFORE APPLICATION.
3. CHECK DAMS CAN BE CONSTRUCTED USING STRAW WATTLE OR OTHER MATERIALS AS APPROVED BY THE DISTRICT OR CITY.

CHECK DAM BIO-FILTER BAG
FOR FURTHER INFORMATION
ON DESIGN CRITERIA SEE
CHAPTER 4 OF CLEAN WATER
SERVICES EROSION PREVENTION
AND SEDIMENT CONTROL
PLANNING AND DESIGN MANUAL.

GRASS OR ROCK
OR APPROVE
EQUAL

ROW OR OTHER
EXPOSED SLOPE

LEVEL BOTTOM

2 FEET MINIMUM; THE BOTTOM WIDTH SHALL BE LEVEL

DEPTH

1 FOOT MINIMUM

SIDE SLOPE

2H:1V OR FLATTER

GRADE

MAXIMUM 5 PERCENT, WITH POSITIVE DRAINAGE TO A
SUITEABLE OUTLET (SUCH AS SEDIMENTATION POND)

DIVERSION SWALE

DIKE MATERIAL COMPACTED
TO 95% PROCTOR

SLOPE | SPACING
--- | ---
<5% | 300 FEET
5-10% | 200 FEET
10-40% | 100 FEET

NOTES:

1. IMMEDIATELY UPON CONSTRUCTION, ESTABLISHED VEGETATION OR EROSION CONTROL BLANKETS
ARE REQUIRED.

DIVERSION DIKE / SWALE

DRAWING NO. 850

REVISED 12-16

CleanWater Services
FOR FURTHER INFORMATION ON DESIGN CRITERIA SEE CHAPTER 4 OF CLEAN WATER SERVICES EROSION PREVENTION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.

EXISTING PAVEMENT OR APPROVED ACCESS POINT

RADIUS = 25' MIN.

CLEAN PIT RUN OR 3"- 6" CLEAN ROCK

SUBGRADE REINFORCEMENT GEOTEXTILE, AS REQUIRED

8" MIN. DEPTH

50' MIN.

PROVIDE FULL WIDTH OF INGRESS/EGRESS AREA

*20' MIN. FOR SINGLE FAMILY AND DUPLEX RESIDENTIAL

NOTES:

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT.

2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.

3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

4. WHERE RUNOFF CONTAINING SEDIMENT LADEN WATER IS LEAVING THE SITE VIA THE CONSTRUCTION ENTRANCE, OTHER MEASURES SHALL BE IMPLEMENTED TO DIVERT RUNOFF THROUGH AN APPROVED FILTERING SYSTEM.

5. DIMENSIONS
   - SINGLE FAMILY
     20' LONG BY 20' WIDE 8" DEEP OF 3/4" MINUS CLEAN ROCK.
   - COMMERCIAL
     50' LONG BY 20' WIDE 3-6" CLEAN ROCK, GOVERNING AUTHORITY MAY REQUIRE GEOTEXTILE FABRIC TO PREVENT SUB-SOIL PUMPING.

CONSTRUCTION ENTRANCE

DRAWING NO. 855
REVISED 12-16
FOR FURTHER INFORMATION ON DESIGN CRITERIA SEE CHAPTER 4 OF CLEAN WATER SERVICES EROSION PREVENTION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.

2"x6"x16' OAK BOARDS

LIFTING CABLES

2"x6"x16' OAK BOARDS

2"x6"x8' OAK BOARDS

16'

8'

5'

OAK MATS

NOTES:
1. CONSTRUCTED OF 2"x6" OAK.
1. Many designs can be field fabricated or pre-fabricated units may be used.
NOTES:

1. CONTRACTOR TO REMOVE ACCUMULATED SEDIMENT AS NEEDED TO PREVENT TRACKING FROM TIRE WASH; SEDIMENT LADEN WATER MAY BE PIPPED TO AN APPROVED SEDIMENT TRAP.

2. USE GEOTEXTILE FABRIC WITH AGGREGATE FOR A TEMPORARY TIRE WASH.
NOTES:

1. BURY BOTTOM OF FILTER FABRIC 6" VERTICALLY BELOW FINISHED GRADE.
2. 2"x 2" FIR, PINE OR STEEL FENCE POSTS.
3. POSTS TO BE INSTALLED ON UPHILL SIDE OF SLOPE.
4. COMPACT BOTH SIDES OF FILTER FABRIC TRENCH.
5. PANELS MUST BE PLACED ACCORDING TO SPACING ON DETAIL NO.940

FOR FURTHER INFORMATION ON DESIGN CRITERIA SEE CHAPTER 4 OF CLEAN WATER SERVICES EROSION PREVENTION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.
FOR FURTHER INFORMATION ON DESIGN CRITERIA SEE CHAPTER 4 OF CLEAN WATER SERVICES EROSION PREVENTION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.

PROFILE

NOT TO SCALE

STAGGER JOINTS

STAKING SPACING 4' O.C.

MINIMUM 1' OVERLAPPING ON UPHILL SIDE

SECTION

NOT TO SCALE

STAKING SPECIFICATIONS:

1. 1"x2" WOODEN STAKES
   a. ADDITIONAL STAKES MAY BE INSTALLED ON DOWNHILL SIDE OF WATTLES, ON STEEP SLOPE OR HIGHLY EROSIVE SOILS.

2. SPACING IN ACCORDANCE WITH DETAIL 940.

3. REMOVE ALL ROCKS, CLOSS, VEGETATION OR OTHER OBSTRUCTIONS SO THAT THE INSTALLED WATTLES WILL HAVE DIRECT CONTACT WITH THE SOIL.

4. INSTALL THE WATTLES IN A 2" DEEP TRENCH, INSURING THAT NO GAPS EXIST BETWEEN THE SOIL AND THE BOTTOM OF THE WATTLE. THE ENDS OF ADJACENT WATTLES SHALL BE OVERLAPPED 1 FT. MINIMUM TO PREVENT SEDIMENT PASSING THROUGH THE FIELD JOINT.

WATTLES

DRAWING NO. 880

REvised 12-16
FOR FURTHER INFORMATION ON DESIGN CRITERIA SEE CHAPTER 4 OF CLEAN WATER SERVICES EROSION PREVENTION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.

NOTE:
1. SEE STANDARD DRAWING # 880 FOR INSTALLATION OF WATTLE.
2. ALTERNATE MATERIALS MAY BE USED AS APPROVED BY DISTRICT OR CITY.
3. PERIMETER MEASURES INSTALLED AS NEEDED.

WATTLE SINGLE FAMILY APPLICATION

DRAWING NO. 885 REVISION 12-16
NOTES:

1. Direct the outlet side of the rock/compost filter berms onto a stabilized area, such as vegetation and/or rock.

2. Embed rock filter berm a min. of 4" into the existing ground/embankment.

3. Use rock filter berm on 3:1 or flatter side slopes. Within the safety clear zone, use 6:1 or flatter on side slopes.

4. Place compost filter berm's along or on the ground contour with the ends turned up slope.

5. Prior to installing a compost filter berm in a vegetated area, ensure that the vegetation is cut to a height of no greater than 3" prior to installation.

6. Compost has not been chemically treated and is weed-free, plastic-free, decomposed, non-woody plant material; animal waste is not allowed.
NOTE:
1. SIDEWALK SUBGRADE CAN BE USED FOR ALL CONSTRUCTION ACTIVITIES