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 10-31-19
MATS/BLEANKETS 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/BLEANKETS 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.
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

PLASTIC SHEETING

NOTES:

1. MINIMUM 12" OVERLAP OF ALL SEAMS REQUIRED.
2. PERIMETER SEDIMENT CONTROL BMP TO BE INSTALLED A MINIMUM OF 3' FROM TOE OF STOCKPILE.
3. COVERING MAINTAINED TIGHTLY IN PLACE BY USING SANDBAGS OR APPROVED EQUAL ON ROPEC WITH A MAXIMUM 10' GRID SPACING IN ALL DIRECTIONS.
4. PLASTIC TO EXTEND MINIMUM 1' BEYOND TOE OF SLOPE.
5. AS APPROPRIATE, BMP'S SHALL BE INSTALLED TO CONVEY WATER DISCHARGE FROM STOCKPILE AREAS.
FOR FURTHER INFORMATION ON DESIGN CRITERIA SEE CHAPTER 4 OF CLEAN WATER SERVICES EROSION PREVENTION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.

PLAN VIEW

PROFILE

NOTE:
1. ADDITIONAL BMP’S ARE REQUIRED WHEN DISCHARGING SEDIMENT LADEN WATER.

OUTLET PROTECTION RIP RAP

DRAWING NO. 820 REVISED 10-31-19
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.

EXISTING GROUND
NON-WOVEN GEOTEXTILE FABRIC INSTALLED UNDER CLASS 200 RIP-RAP.
CONSTRUCT TO ALLOW SHEET FLOW TO EXISTING STREAM CHANNEL
SIZE PER DESIGN OF ENGINEER
RIP RAP, MIN. 2' DEPTH

PLAN VIEW
NTS

EXISTING GROUND
CONSTRUCT TO ALLOW SHEET FLOW TO EXISTING STREAM CHANNEL

CONSTRUCT DEEP STILLING BASIN PER DESIGN.
EXTEND RIP RAP MIN. 10' FROM END OF PIPE.

EXISTING GROUND
ORDINARY HIGH WATER LEVEL
GEOTEXTILE FABRIC INSTALLED UNDER RIP RAP.

PROFILE

NOTES:
1. ADDITIONAL BMP'S ARE REQUIRED WHEN DISCHARGING SEDIMENT LADEN WATER.
2. CONTRACTOR TO COMPLY WITH CONDITIONS AND REQUIREMENT OF DSL AND CORPS PERMITS.

OUTLET PROTECTION STILLING BASIN

DRAWING NO. 825  REVISED 10-31-19

CleanWater Services
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

INTERCEPTOR SWALE

USE DOZER TRACKS TO CREATE GROOVES PERPENDICULAR TO SLOPE

SURFACE ROUGHENING CAT TRACKING

DRAWING NO. 830

REVISED 10-31-19
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

30" - 40"

40" - 50"

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.

12" - 15"

3"

SURFACE ROUGHENING STAIR STEPPING/GROOVING SLOPES

DRAWING NO. 835

REvised 10-31-19
FOR FURTHER INFORMATION
ON DESIGN CRITERIA SEE
CHAPTER 4 OF CLEAN WATER
SERVICES EROSION PREVENTION
AND SEDIMENT CONTROL
PLANNING AND DESIGN MANUAL.

6" MIN. TO PREVENT
SCOUR AROUND CHECK
DAM.

2"–4" OPEN–GRADE
ROCK

ROCK CHECK DAM

1 2
A
1

1 2
1' SUMP OPTIONAL

2 1
B
L

SPACING BETWEEN CHECK DAMS

NOTES:
1. L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION.
2. SEE DRAWING #940 FOR HEIGHT AND SPACING OF CHECK DAMS.
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 WATTLES OR OTHER MATERIALS AS APPROVED BY THE DISTRICT OR CITY.
FOR FURTHER INFORMATION
ON DESIGN CRITERIA SEE
CHAPTER 4 OF CLEAN WATER
SERVICES EROSION PREVENTION
AND SEDIMENT CONTROL
PLANNING AND DESIGN MANUAL.

BOTTOM WIDTH – 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

DIVERSION DIKE

<table>
<thead>
<tr>
<th>SLOPE</th>
<th>SPACING</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;5%</td>
<td>300 FEET</td>
</tr>
<tr>
<td>5–10%</td>
<td>200 FEET</td>
</tr>
<tr>
<td>10–40%</td>
<td>100 FEET</td>
</tr>
</tbody>
</table>

NOTE:
1. ESTABLISH VEGETATION AND/OR APPLY APPROVED EROSION PREVENTION BMPS IMMEDIATELY
UPON CONSTRUCTION.

DIVERSION DIKE / SWALE
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/SITE DEVELOPMENT
   50' LONG BY 20' WIDE 3-8" CLEAN ROCK. GOVERNING AUTHORITY MAY REQUIRE GEOTEXTILE FABRIC TO PREVENT SUB-SOIL PUMPING.
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

OAK MATS

SIDE VIEW

NOTES:
1. CONSTRUCTED OF 2"x6" OAK.
2. ALTERNATE MATTING SYSTEMS TO BE APPROVED BY CITY/DISTRICT.

OAK MATS

DRAWING NO. 860

REVISED 10-31-19
NOTE:
1. MANY DESIGNS CAN BE FIELD FABRICATED OR PRE-FABRICATED UNITS MAY BE USED

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

1. CONTRACTOR TO REMOVE ACCUMULATED SEDIMENT AS NEEDED TO PREVENT TRACKING FROM TIRE WASH. SEDIMENT Laden WATER MAY BE PIPED TO AN APPROVED BMP.

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

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

TIRES WASH—(DRIVE-THROUGH)

DRAWING NO. 870 REVISED 10-31-19
NOTE:
1. SEDIMENT FENCE TO HAVE STITCHED LOOPS AROUND 2" x 2" POSTS.
2. BURY BOTTOM OF FILTER FABRIC 6" VERTICALLY BELOW FINISHED GRADE.
3. 2" x 2" FIR, PINE OR STEEL FENCE POSTS.
4. POSTS TO BE INSTALLED ON UPHILL SIDE OF SLOPE.
5. COMPACT BOTH SIDES OF FILTER FABRIC TRENCH.
6. PANELS MUST BE PLACED ACCORDING TO SPACING ON DRAWING 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

STAGGER JOINTS

STAKING SPACING 4' O.C.

WHEAT STRAW, RYE GRASS STRAW, COCONUT OR EXCELSIOR WATTLE

SECTION

MINIMUM 1' OVERLAPPING ON UPHILL SIDE

PLAN VIEW

FLOW

FLOW

NOTES:

1. STAKING SPECIFICATIONS:
   a. 1"x2" WOODEN STAKES
   b. ADDITIONAL STAKES MAY BE INSTALLED ON DOWNHILL SIDE OF WATTLES, ON STEEP SLOPE OR HIGHLY EROSIIVE SOILS.

2. SPACING IN ACCORDANCE WITH DETAIL 940.

3. REMOVE ALL ROCKS, CLODS, 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.
FOR FURTHER INFORMATION ON DESIGN CRITERIA SEE CHAPTER 4 OF CLEAN WATER SERVICES EROSION PREVENTION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.

FLOW

PROPERTY LINE

FLOW

PROPERTY LINE

FLOW

MINIMUM 1' OVERLAP ADJACENT WATTLE

PROPERTY LINE

MINIMUM 1' OVERLAP ADJACENT WATTLE

SEE STANDARD DRAWING #880 FOR INSTALLATION OF WATTLE

SEE STANDARD DRAWING #855 FOR INSTALLATION OF CONSTRUCTION ENTRANCE

SIDEWALK

PLAN VIEW

NOTES:

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

REVISED 10-31-19

CleanWater Services
NOTES:

1. DIRECT THE OUTLET SIDE OF THE ROCK/COMPOST FILTER BERRMS 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 3H:1V OR FLATTER SIDE SLOPES, WITHIN THE SAFETY CLEAR ZONE. USE 6H:1V OR FLATTER ON SIDE SLOPES.

4. PLACE COMPOST FILTER BERRMS 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 WEEED–FREE, PLASTIC–FREE, DECOMPOSED, NON–WOODY PLANT MATERIAL; ANIMAL WASTE IS NOT ALLOWED.
NOTE:
1. SIDEWALK SUBGRADE CAN BE USED FOR ALL CONSTRUCTION ACTIVITIES.
NOTES:

1. WASHOUT FACILITIES SHALL BE MAINTAINED TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM FREEBOARD OF 12 INCHES.

2. WASHOUT FACILITIES MUST BE CLEANED, OR NEW FACILITIES MUST BE CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS 75% FULL.

3. IF THE WASHOUT IS NEARING CAPACITY, VACUUM AND DISPOSE OF THE WASTE MATERIAL IN AN APPROVED MANNER.

4. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE LOCATED A MINIMUM OF 50 FT FROM SENSITIVE AREAS INCLUDING OPEN DRAINAGE FACILITIES AND WATER SOURCES.

5. CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED AND MAINTAINED IN SUFFICIENT QUANTITY AND SIZE TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.

6. INSTALL CONCRETE WASHOUT SIGN WITHIN 30 FEET OF TEMPORARY CONCRETE WASHOUT FACILITY.

7. TEMPORARY CONCRETE WASHOUTS MAY BE A PREFABRICATED CONTAINER THAT IS PORTABLE AND REUSABLE.

CONCRETE WASHOUT

DRAWING NO. 900
REVISED 10-31-19
PERSPECTIVE VIEW SHOWING WATTLE ALONG GUTTER AT CURB INLET

NOTES:

1. ONLY ALLOWED USE OF APPLICATION IS ON CURB AND GUTTER INLETS.
2. INSTALL WATTLE ALONG INLET WITH WATTLE EXTENDING A MIN OF 36" BEYOND INLET OPENINGS IN EACH DIRECTION.
3. WATTLE MUST BE INSTALLED TIGHTLY AGAINST CURB, MAY REQUIRE ADDITIONAL MEASURES TO ENSURE WATTLE REMAINS TIGHT AGAINST CURB, SUCH AS USING ZIP TIES TO SECURE WATTLE TO INLET’S TRASH BARS OR USING SANDBAGS TO WEIGHT DOWN WATTLE.
4. REPLACE WATTLE AS NECESSARY TO PREVENT SEDIMENT FROM ENTERING THE STORM SYSTEM.

CURB AND GUTTER INLET PROTECTION

DRAWING NO. 905
REVISED 10–31–19
PLAN VIEW
Slope 4H:1V

PROFILE

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

INLET PROTECTION TYPE 3

DRAWING NO. 910
REvised 10-31-19
NOTES:

1. ADDITIONAL MEASURES MUST BE CONSIDERED DEPENDING ON SOIL TYPES.

2. BIO-FILTER BAGS SHOULD BE STAKED WHERE APPLICABLE USING (2) 1"x2" WOODEN STAKES OR APPROVED EQUAL PER BAG.

3. WHEN USING 30" BIO-BAGS TO PROTECT A CATCH BASIN YOU HAVE 4 BAGS AND THEY SHALL BE OVERLAPPED BY 6".

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

NOTE:
1. RECESSED CURB INLET CATCH BASINS MUST BE BLOCKED WHEN USING FILTER FABRIC INLET SACKS. SIZE OF FILTER FABRIC INLET SACKS TO BE DETERMINED BY MANUFACTURER.

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.

MAY BE USED SHORT TERM W / UTILITY-
WORK AND W / PHASING OF DEVELOPMENT
TIGHT TO CURB

FLOW

CATCH BASIN

FRONT

GROMMETS USED FOR
ATTACHMENT TO GRATE


TOP

12" TYP.

26"

38"

48"

INSTALLATION NOTES:
1. INSTALL SOLID FABRIC SIDE DOWN MESH SIDE UP.
2. ATTACH TO CATCH BASIN GRATE AT A MINIMUM OF 3 LOCATIONS TIGHT TO CURB WITH 1/4" ZIP TIES.

MAINTENANCE NOTES:
1. ANY VISIBLE SIGN OF SEDIMENT ACCUMULATION TO BE CLEANED UP AT THE END OF EACH WORKDAY.
2. REPLACE U - SHAPED FILTER BAG AS NECESSARY TO PREVENT WOOD CHIPS FROM ENTERING THE
STORM SYSTEM.

INLET PROTECTION
TYPE 6

DRAWING NO. 925
REVISED 10-31-19
FOR FURTHER INFORMATION ON DESIGN CRITERIA SEE CHAPTER 4 OF CLEAN WATER SERVICES EROSION PREVENTION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.

CROSS SECTION

NOTE: MAY BE CONSTRUCTED BY EXCAVATION OR BY BUILDING A BERM.

SEDIMENT TRAP OUTLET
NOT TO SCALE

NOTE:
1. ADDITIONAL BMPS MAY BE REQUIRED TO FILTER RUNOFF FROM THE SEDIMENT TRAP PRIOR TO DISCHARGE FROM THE CONSTRUCTION SITE.
SEDIMENT BASIN

DRAWING NO. 935

REvised 10-31-19

NOTE:

1. 50' MINIMUM OF HIGHLY VEGETATED AREA AND/OR SEDIMENT FENCE IS REQUIRED PRIOR TO DISCHARGING TO STREAM OR WETLAND.

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

<table>
<thead>
<tr>
<th>DITCH GRADE</th>
<th>6 INCH</th>
<th>12 INCH</th>
<th>18 INCH</th>
</tr>
</thead>
<tbody>
<tr>
<td>6%</td>
<td>NOT ALLOWED</td>
<td>16 FT O.C.</td>
<td>26 FT O.C.</td>
</tr>
<tr>
<td>5%</td>
<td>NOT ALLOWED</td>
<td>20 FT</td>
<td>30 FT</td>
</tr>
<tr>
<td>4%</td>
<td>NOT ALLOWED</td>
<td>26 FT</td>
<td>40 FT</td>
</tr>
<tr>
<td>3%</td>
<td>15 FT</td>
<td>33 FT</td>
<td>50 FT</td>
</tr>
<tr>
<td>2%</td>
<td>25 FT</td>
<td>50 FT</td>
<td>80 FT</td>
</tr>
</tbody>
</table>

### BARRIER SPACING FOR GENERAL APPLICATION

INSTALL PARALLEL ALONG CONTOURS AS FOLLOWS

<table>
<thead>
<tr>
<th>% SLOPE</th>
<th>SLOPE H:V</th>
<th>MAXIMUM SPACING ON SLOPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>10% OR FLATTER</td>
<td>10:1 OR FLATTER</td>
<td>300 FT</td>
</tr>
<tr>
<td>&gt;10% OR &lt;15%</td>
<td>&gt;10:1 OR &lt;7.5:1</td>
<td>150 FT</td>
</tr>
<tr>
<td>&gt;15% OR &lt;20%</td>
<td>&gt;7.5:1 OR &lt;5:1</td>
<td>100 FT</td>
</tr>
<tr>
<td>&gt;20% OR &lt;30%</td>
<td>&gt;5:1 OR &lt;3.5:1</td>
<td>50 FT</td>
</tr>
<tr>
<td>&gt;30% OR &lt;50%</td>
<td>&gt;3.5:1 OR &lt;2:1</td>
<td>25 FT</td>
</tr>
</tbody>
</table>

**NOTE:**

1. FOR MORE INFORMATION REGARDING THESE TABLES SEE CHAPTER 4 OF CLEAN WATER SERVICES EROSION PREVENTION AND SEDIMENT CONTROL DESIGN MANUAL.
NOTES:

1. WHEN RAINFALL AND RUNOFF OCCURS, A KNOWLEDGEABLE AND EXPERIENCED PERSON IN THE PRINCIPLES, PRACTICES, INSTALLATION, AND MAINTENANCE OF EROSION AND SEDIMENT CONTROLS WHO WORKS FOR THE PERMITTEE MUST PROVIDE DAILY INSPECTIONS OF THE EROSION AND SEDIMENT CONTROLS AND DISCHARGE OUTFALLS.

2. CONSTRUCTION ACTIVITIES MUST AVOID OR MINIMIZE EXCAVATION AND CREATION OF BARE GROUND FROM OCTOBER 1 THROUGH MAY 31ST EACH YEAR.

3. DURING WET WEATHER PERIOD, TEMPORARY STABILIZATION OF THE SITE MUST OCCUR AT THE END OF EACH WORK DAY.

4. SEDIMENT CONTROLS MUST BE INSTALLED AND MAINTAINED ON ALL DOWN GRADIENT SIDES OF THE CONSTRUCTION SITE AT ALL TIMES DURING CONSTRUCTION. THEY MUST REMAIN IN PLACE UNTIL PERMANENT VEGETATION OR OTHER PERMANENT COVERING OF EXPOSED SOIL IS ESTABLISHED.

5. ALL ACTIVE INLETS MUST HAVE SEDIMENT CONTROLS INSTALLED AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION.


7. SEDIMENT MUST NOT BE INTENTIONALLY WASHED INTO STORM SEWERS, DRAINAGE WAYS, OR WATER BODIES.

8. SEDIMENT MUST BE REMOVED FROM BEHIND ALL SEDIMENT CONTROL MEASURES WHEN IT HAS REACHED A HEIGHT OF 1/3-RD THE BARRIER HEIGHT AND PRIOR TO THE CONTROL MEASURES REMOVAL.

9. CLEANING OF ALL STRUCTURES WITH SUMPS MUST OCCUR WHEN THE SEDIMENT RETENTION CAPACITY HAS BEEN REDUCED BY 50% AND AT COMPLETION OF PROJECT.

10. ANY USE OF TOXIC OR OTHER HAZARDOUS MATERIALS MUST INCLUDE PROPER STORAGE, APPLICATION, AND DISPOSAL.

11. THE PERMITTEE MUST PROPERLY MANAGE HAZARDOUS WASTES, USED OILS, CONTAMINATED SOILS, CONCRETE WASTE, SANITARY WASTE, LIQUID WASTE, OR OTHER TOXIC SUBSTANCES DISCOVERED OR GENERATED DURING CONSTRUCTION.

12. THE APPLICATION RATE OF FERTILIZERS USED TO REESTABLISH VEGETATION MUST FOLLOW MANUFACTURER'S RECOMMENDATIONS. NUTRIENT RELEASES FROM FERTILIZERS TO SURFACE WATERS MUST BE MINIMIZED. TIME RELEASE FERTILIZERS SHOULD BE USED AND CARE SHOULD BE MADE IN APPLICATION OF FERTILIZERS WITHIN ANY WATER WAY RIPARIAN ZONE.

13. OWNER OR DESIGNATED PERSON SHALL BE RESPONSIBLE FOR PROPER INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES, IN ACCORDANCE WITH CURRENT CLEAN WATER SERVICES STANDARDS AND STATE, AND FEDERAL REGULATIONS.


15. PRIOR TO ANY LAND DISTURBING ACTIVITIES, THE BMPS THAT MUST BE INSTALLED ARE GRAVEL CONSTRUCTION ENTRANCE, PERIMETER SEDIMENT CONTROL, AND INLET PROTECTION. THESE BMPS MUST BE MAINTAINED FOR THE DURATION OF THE PROJECT.

16. IF VEGETATIVE SEED MIXES ARE SPECIFIED, SEEDING MUST TAKE PLACE NO LATER THAN SEPTEMBER 1ST; THE TYPE AND PERCENTAGES OF SEED IN THE MIX ARE AS IDENTIFIED ON THE PLANS OR AS SPECIFIED BY THE DESIGN ENGINEER.

17. WATERTIGHT TRUCKS MUST BE USED TO TRANSPORT SATURATED SOILS FROM THE CONSTRUCTION SITE. AN APPROVED EQUIVALENT IS TO DRAIN THE SOIL ON SITE AT A DESIGNATED LOCATION USING APPROPRIATE BMPS; SOIL MUST BE DRAINED SUFFICIENTLY FOR MINIMAL SPILLAGE.

18. ALL PUMPING OF SEDIMENT LADEN WATER MUST BE DISCHARGED OVER AN UNDISTURBED, PREFERABLY VEGETATED AREA, AND THROUGH A SEDIMENT CONTROL BMP (I.E. FILTER BAG).

19. THE ESC PLAN MUST BE KEPT ONSITE. ALL MEASURES SHOWN ON THE PLAN MUST BE INSTALLED PROPERLY TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER A SURFACE WATER SYSTEM, ROADWAY, OR OTHER PROPERTIES.

20. THE ESC MEASURES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE MEASURES SHALL BE UPGRADED AS NEEDED TO MAINTAIN COMPLIANCE WITH ALL REGULATIONS.

21. WRITTEN ESC LOGS ARE SUGGESTED TO BE MAINTAINED ONSITE AND AVAILABLE TO DISTRICT INSPECTORS UPON REQUEST.

22. IN AREAS SUBJECT TO WIND EROSION, APPROPRIATE BMPS MUST BE USED, WHICH MAY INCLUDE THE APPLICATION OF FINE WATER SPRAYING, PLASTIC SHEETING, MULCHING, OR OTHER APPROVED MEASURES.

23. ALL EXPOSED SOILS MUST BE COVERED, AT END OF BUSINESS DAY, DURING WET WEATHER PERIOD, FROM OCTOBER 1 - MAY 31.
NOTES:

1. THE SEDIMENT BAG SHALL BE MANUFACTURED USING A POLYPROPYLENE 8 OZ. NONWOVEN GEOTEXTILE SEWN INTO A BAG WITH A DOUBLE NEEDLE, USING A HIGH-STRENGTH THREAD.

2. EACH STANDARD SEDIMENT BAG MUST HAVE A FULL SPOUT LARGE ENOUGH TO ACCOMMODATE A 4" DISCHARGE HOSE. STRAPS ARE ATTACHED TO SECURE THE HOSE AND PREVENT PUMPED WATER FROM ESCAPING WITHOUT BEING FILTERED.

3. THE SEDIMENT BAG SHALL MEET OR EXCEED OVERALL BAG REMOVAL EFFICIENCY RATE OF 97.55%.

4. WATER BEING DISCHARGED FROM THE SEDIMENT BAG MUST BE FREE OF ALL SEDIMENT PRIOR TO LEAVING THE SITE OR ENTERING INTO THE STORM SYSTEM.

5. SEDIMENT BAG IS FULL WHEN IT NO LONGER CAN EFFICIENTLY FILTER SEDIMENT OR ALLOW WATER TO PASS AT A RATE LESS THAN 50% OF MANUFACTURER'S DESIGNED FLOW RATE.

6. DURING USE, THE SEDIMENT BAG MUST BE MONITORED.

7. DISPOSE OF USED SEDIMENT BAG OFF SITE OR AS APPROVED BY CWS.

8. WHEN APPROPRIATE, INSTALL DOWNSTREAM SEDIMENT CONTROL MEASURES PER CWS STANDARDS.

9. FOR BEST RESULTS, PLACE SEDIMENT BAG ON FLAT SURFACE.

10. SEDIMENT BAG SHOULD BE PLACED ON EXISTING VEGETATION, ROCK, OR BED OF STRAW. SEDIMENT BAG SHOULD NOT BE PLACED ON BARE GROUND.