

EROSION CONTROL & CONSTRUCTION SEQUENCE:

MEASURES SHALL BE TAKEN TO PREVENT SOIL EROSION DURING PROJECT CONSTRUCTION. ALL FRESHLY DISTURBED AREAS THAT WILL REMAIN DISTURBED FOR MORE THAN A PERIOD OF FOURTEEN (14) DAYS SHALL BE STABILIZED BY TEMPORARY SEEDING AS INDICATED ON THE TEMPORARY SEEDING SCHEDULE. DISTURBED AREAS SHALL BE MINIMAL IN SIZE AND SHALL NOT EXCEED THE APPROVED CLEARING AND GRADING LIMITS. THE FOLLOWING MEASURES SHALL BE IMPLEMENTED AS

- A. A MEETING WITH TOWN REPRESENTATIVES, INCLUDING THE TOWN ENGINEER, AS WELL AS PROJECT AND SITE CONTRACTORS, PROJECT MANAGER, AND FOREMAN IS TO TAKE PLACE A MINIMUM OF ONE WEEK PRIOR TO CONSTRUCTION.
- THE OWNER OR OPERATOR MUST MAINTAIN A COPY OF THE NOI, NOI ACKNOWLEDGEMENT LETTER, SWPPP AND INSPECTION REPORTS AT THE CONSTRUCTION SITE. THE DOCUMENTS MUST BE MAINTAINED IN A SECURE LOCATION, SUCH AS A JOB TRAILER, ON-SITE CONSTRUCTION OFFICE, OR MAILBOX WITH LOCK; THAT IS ACCESSIBLE DURING NORMAL WORKING HOURS TO A PERSON PERFORMING A COMPLIANCE INSPECTION.
- PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES, THE LIMITS OF CLEARING AND GRADING SHALL BE MARKED. FILTER FABRIC SEDIMENTATION BARRIERS (SILT FENCE) SHALL BE PLACED ALONG THE DOWNGRADE PERIMETER OF THE SITE AND ANY OTHER AREAS WHERE SILT FENCE IS INDICATED AS TO BE INSTALLED "PRIOR TO CONSTRUCTION" ON THE APPROVED PLANS. INSTALLATION IS TO BEGIN AT THE DOWNSTREAM PORTIONS OF THE SITE THEN WORKING UPSTREAM.
- STABILIZED CONSTRUCTION ENTRANCES SHALL BE BUILT IN THE AREAS SHOWN ON THE APPROVED PLANS AND ANYWHERE A CONSTRUCTION ACCESS ROAD INTERSECTS A PUBLIC THOROUGHFARE. STABILIZED ENTRANCES SHALL BE BUILT IN ACCORDANCE WITH THE STABILIZED CONSTRUCTION ENTRANCE DETAIL.
- UPON COMPLETION OF CLEARING AND GRUBBING ACTIVITIES, TOPSOIL SHALL BE STRIPPED AND STOCKPILED FROM ALL AREAS TO BE DISTURBED. STOCKPILED
- TOPSOIL SHALL BE STABILIZED BY TEMPORARY SEEDING AND SURROUNDED WITH A PERIMETER SILT FENCE. TEMPORARY EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO COMMENCING EARTH MOVING ACTIVITIES. THIS INCLUDES SEDIMENTATION TRAPS OR
- IMMEDIATELY AFTER COMPLETION OF ROUGH GRADING, REMAINING TEMPORARY EROSION CONTROL SHALL BE INSTALLED AS SPECIFIED ON THE APPROVED PLANS. THIS INCLUDES ANY REMAINING SILT FENCE AND TYPE "A" DIVERSION SWALES (WITH CHECK DAMS IF APPLICABLE). AREAS NOT REQUIRING FURTHER EARTHWORK SHALL BE FINE GRADED, TOPSOILED, AND STABILIZED AS EARLY AS POSSIBLE.

BASINS, TYPE "B" DIVERSION SWALES (WITH CHECK DAMS IF APPLICABLE), AND SILT FENCE. INSTALLATION SHALL BEGIN AT DOWNSTREAM PORTIONS OF THE SITE

- ANY PROPOSED STORM DRAINAGE SHALL BE INSTALLED AND INCORPORATED INTO THE EROSION CONTROL AS SPECIFIED ON THE APPROVED PLANS. STORM DRAINAGE COMPONENTS SHALL BE PROTECTED FROM SILTATION AS INDICATED.
- LANDSCAPING SHALL BE ESTABLISHED. TEMPORARY EROSION CONTROL DEVICES SHALL BE REMOVED ONCE UPSTREAM AREAS HAVE BEEN PERMANENTLY STABILIZED. REMOVAL OF TEMPORARY EROSION CONTROL DEVICES SHALL BEGIN WITH THE MOST UPSTREAM PORTIONS OF THE SITE THEN WORKING DOWNSTREAM. THE TEMPORARY SEDIMENTATION BASINS ARE TO BE REMOVED, RE-GRADED, AND STABILIZED LAST. ANY SEDIMENTATION BASINS THAT ARE PLANNED TO BE USED AS A FOREBAY FOR A STORMWATER

UPON COMPLETION OF CONSTRUCTION ACTIVITIES, REMAINING AREAS SHALL BE FINE GRADED, TOPSOILED, AND STABILIZED. PERMANENT VEGETATION AND

K. ALL NEWLY SEEDED VEGETATIVE COVER SHALL BE MAINTAINED. WASHOUTS OR POORLY GROWING AREAS SHALL BE CORRECTED AS THEY OCCUR.

MANAGEMENT DEVICE SHOULD BE CLEANED AND RESHAPED TO THE PROPOSED DIMENSIONS SHOWN ON THE APPROVED PLAN AT THIS TIME.

WINTER WEATHER STABILIZATION NOTES:

THE WINTER CONSTRUCTION PERIOD IS CONSIDERED TO BE ALL CONSTRUCTION ACTIVITIES INVOLVED WITH ONGOING LAND DISTURBANCE AND EXPOSURE BETWEEN NOVEMBER 15TH TO THE FOLLOWING APRIL 1ST.

- 1. THE OWNER / OPERATOR AND SITE CONTRACTOR SHALL PREPARE A SNOW MANAGEMENT PLAN WITH ADEQUATE STORAGE FOR SNOW AND CONTROL OF MELT WATER, REQUIRING CLEARED SNOW TO BE STORED IN A MANNER NOT AFFECTING ONGOING CONSTRUCTION ACTIVITIES.
- ENLARGE AND STABILIZE ACCESS POINTS TO PROVIDE FOR SNOW MANAGEMENT AND STOCKPILING. SNOW MANAGEMENT ACTIVITIES MUST NOT DESTROY OR DEGRADE INSTALLED EROSION AND SEDIMENT CONTROL PRACTICES.
- A MINIMUM 25 FOOT BUFFER SHALL BE MAINTAINED FROM ALL PERIMETER CONTROLS SUCH AS SILT FENCE. MARK SILT FENCE WITH TALL STAKES THAT ARE
- EDGES OF DISTURBED AREAS THAT DRAIN TO A WATERBODY WITHIN 100 FEET WILL HAVE 2 ROWS OF SILT FENCE, 5 FEET APART, INSTALLED ON THE CONTOUR.
- DRAINAGE STRUCTURES MUST BE KEPT OPEN AND FREE OF SNOW AND ICE DAMS. ALL DEBRIS, ICE DAMS, OR DEBRIS FROM PLOWING OPERATIONS, THAT RESTRICT THE FLOW OF RUNOFF AND MELTWATER, SHALL BE REMOVED.
- SEDIMENT BARRIERS MUST BE INSTALLED AT ALL APPROPRIATE PERIMETER AND SENSITIVE LOCATIONS. SILT FENCE AND OTHER PRACTICES REQUIRING EARTH DISTURBANCE MUST BE INSTALLED BEFORE THE GROUND FREEZES.
- SOIL STOCKPILES MUST BE PROTECTED BY THE USE OF ESTABLISHED VEGETATION, ANCHORED STRAW MULCH, ROLLED STABILIZATION MATTING, OR OTHER DURABLE COVERING. A BARRIER MUST BE INSTALLED AT LEAST 15 FEET FROM THE TOE OF THE STOCKPILE TO PREVENT SOIL MIGRATION AND TO CAPTURE
- IN AREAS WHERE SOIL DISTURBANCE ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED, THE APPLICATION OF SOIL STABILIZATION MEASURES SHOULD BE INITIATED BY THE END OF THE NEXT BUSINESS DAY AND COMPLETED WITHIN THREE (3) DAYS. ROLLED EROSION CONTROL BLANKETS MUST BE USED ON ALL SLOPES 3 HORIZONTAL TO 1 VERTICAL OR STEEPER.
- IF STRAW MULCH ALONE IS USED FOR TEMPORARY STABILIZATION, IT SHALL BE APPLIED AT DOUBLE THE STANDARD RATE OF 2 TONS PER ACRE, MAKING THE APPLICATION RATE 4 TONS PER ACRE. OTHER MANUFACTURED MULCHES SHOULD BE APPLIED AT DOUBLE THE MANUFACTURER'S RECOMMENDED RATE.
- ENSURE ADEQUATE STABILIZATION OF DISTURBED SOIL IN ADVANCE OF A MELT EVENT, AREAS OF DISTURBED SOIL SHOULD BE STABILIZED AT THE END OF FACH WORK DAY UNIFSS:
 - a. WORK WILL RESUME WITHIN 24 HOURS IN THE SAME AREA AND NO PRECIPITATION IS FORECAST OR;
- b. THE WORK IS IN DISTURBED AREAS THAT COLLECT AND RETAIN RUNOFF, SUCH AS OPEN UTILITY TRENCHES, FOUNDATION EXCAVATIONS, OR WATER
- 11. USE STONE PATHS TO STABILIZE ACCESS PERIMETERS OF BUILDINGS UNDER CONSTRUCTION AND AREAS WHERE CONSTRUCTION VEHICLE TRAFFIC IS ANTICIPATED. STONE PATHS SHOULD BE A MINIMUM 10 FEET IN WIDTH BUT WIDER AS NECESSARY TO ACCOMMODATE EQUIPMENT.

THE SITE SHALL BE INSPECTED FREQUENTLY TO ENSURE THAT THE EROSION AND SEDIMENT CONTROL PLAN IS PERFORMING ITS WINTER STABILIZATION FUNCTION. IF THE SITE WILL NOT HAVE EARTH DISTURBING ACTIVITIES ONGOING DURING THE WINTER SEASON, ALL BARE EXPOSED SOIL MUST BE STABILIZED BY ESTABLISHED VEGETATION. STRAW OR OTHER ACCEPTABLE MULCH, MATTING, ROCK, OR OTHER APPROVED MATERIAL SUCH AS ROLLED EROSION CONTROL PRODUCTS. SEEDING OF AREAS WITH MULCH COVER IS PREFERRED BUT SEEDING ALONE IS NOT ACCEPTABLE FOR PROPER STABILIZATION.

COMPLIANCE INSPECTIONS MUST BE PERFORMED AND REPORTS FILED PROPERLY IN ACCORDANCE WITH THE SWPPP FOR ALL SITES UNDER A WINTER SHUTDOWN.

PERMANENT SEEDING:

ALL WATER CONTROL MEASURES WILL BE INSTALLED AS NEEDED PRIOR TO FINAL GRADING AND SEEDBED PREPARATION. ANY SEVERELY COMPACTED SECTIONS WILL REQUIRE CHISELING OR DISKING TO PROVIDE AN ADEQUATE ROOTING ZONE, TO A MINIMUM DEPTH OF 12", PER THE SOIL RESTORATION STANDARD PROVIDED IN THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL DATED NOVEMBER 2016. THE SEEDBED MUST BE PREPARED TO ALLOW GOOD SOIL TO SEED CONTACT, WITH THE SOIL NOT TOO SOFT AND NOT TOO COMPACT. ADEQUATE SOIL MOISTURE MUST BE PRESENT TO ACCOMPLISH THIS. IF SURFACE IS POWDER DRY OR STICKY WET, POSTPONE OPERATIONS UNTIL MOISTURE CHANGES TO A FAVORABLE CONDITION. IF SEEDING IS ACCOMPLISHED WITHIN 24 HOURS OF FINAL GRADING, ADDITIONAL SCARIFICATION IS GENERALLY NOT NEEDED, ESPECIALLY ON DITCH AND STREAM BANKS. REMOVE ALL STONES OR OTHER DEBRIS FROM THE SURFACE THAT ARE GREATER THAN 4 INCHES, OR THAT WILL INTERFERE WITH FUTURE MOWING OR MAINTENANCE.

SOIL AMENDMENTS SHOULD BE INCORPORATED INTO THE UPPER 2 INCHES OF SOIL WHEN FEASIBLE. SOIL SHOULD BE TESTED TO DETERMINE THE AMOUNTS OF AMENDMENTS NEEDED. APPLY GROUND AGRICULTURAL LIMESTONE TO ATTAIN A PH OF 6.0 IN THE UPPER 2 INCHES OF SOIL. FERTILIZER SHOULD BE APPLIED IN ACCORDANCE WITH SOIL TESTING. IF SOIL MUST BE FERTILIZED BEFORE RESULTS OF A SOIL TEST CAN BE OBTAINED TO DETERMINE FERTILIZER NEEDS, APPLY COMMERCIAL FERTILIZER AT 600 LBS. PER ACRE OF 5-5-10 OR EQUIVALENT. IF MANURE IS USED, APPLY A QUANTITY TO MEET THE NUTRIENTS OF THE ABOVE FERTILIZER. THIS REQUIRES AN APPROPRIATE MANURE ANALYSIS PRIOR TO APPLYING TO THE SITE. DO NOT USE MANURE ON SITES TO BE PLANTED WITH BIRDSFOOT TREFOIL OR IN THE PATH OF CONCENTRATED WATER FLOW.

THE OPTIMUM TIMING FOR PERMANENT SEEDING IS EARLY SPRING. PERMANENT SEEDING MAY BE MADE ANY TIME OF YEAR IF PROPERLY MULCHED AND ADEQUATE MOISTURE IS PROVIDED. LATE JUNE THROUGH EARLY AUGUST IS NOT A GOOD TIME TO SEED, BUT MAY FACILITATE COVERING THE LAND WITHOUT ADDITIONAL DISTURBANCE IF CONSTRUCTION IS COMPLETED. PORTIONS OF THE SEEDING MAY FAIL DUE TO DROUGHT AND HEAT. THESE AREAS MAY NEED RESEEDING IN LATE SUMMER/FALL OR THE FOLLOWING SPRING.

BROADCASTING, DRILLING, CULTIPACK TYPE SEEDING, OR HYDROSEEDING ARE ACCEPTABLE METHODS. PROPER SOIL TO SEED CONTACT IS KEY TO SUCCESSFUL

MULCHING IS ESSENTIAL TO OBTAIN A UNIFORM STAND OF SEEDED PLANTS. OPTIMUM BENEFITS OF MULCHING NEW SEEDINGS ARE OBTAINED WITH THE USE OF SMALL GRAIN STRAW APPLIED AT A RATE OF 2 TONS PER ACRE, AND ANCHORED WITH A NETTING OR TACKIFIER. APPLY STRAW (CEREAL GRAIN) MULCH AFTER SOIL AMENDMENTS AND PLANTING IS ACCOMPLISHED OR SIMULTANEOUSLY IF HYDROSEEDING IS USED. APPLY STRAW MULCH AT 2 TON/ACRE (90LBS/1000SQFT) AND ANCHORED WITH WOOD FIBER MULCH (HYDROMULCH) AT 500-750 LBS/ACRE (11-17 LBS/1000SQFT). THE WOOD FIBER MULCH MUST BE APPLIED THROUGH A HYDROSEEDER IMMEDIATELY AFTER MULCHING.

WATERING MAY BE ESSENTIAL TO ESTABLISH A NEW SEEDING WHEN A DROUGHT CONDITION OCCURS SHORTLY AFTER A NEW SEEDING EMERGES.

²MIX 4 LBS EACH OF EMPIRE AND PARDEE OR 4 LBS OF BIRDSFOOT AND 4 LBS WHITE

CLOVER PER ACRE. ALL SEEDING RATES ARE GIVEN FOR PURE LIVE SEED (PLS)

THE OPTIMUM TIMING FOR PERMANENT SEEDING IS EARLY SPRING, LATE JUNE THROUGH EARLY AUGUST IS NOT A GOOD TIME TO SEED DUE TO DROUGHT AND HEAT. PERMANENT SEED MIXTURES SHOULD NOT BE USED DURING WINTER/COLD WEATHER MONTHS.

GENERAL SEED MIX:	VARIETY	LBS. / ACRE	LBS. / 1000 SQ.FT.
RED CLOVER OR	ACCLAIM, RALLY, RED HEAD II, RENEGADE	8 ²	0.20
COMMON WHITE CLOVER	COMMON	8	0.20
PLUS			
CREEPING RED FESCUE	COMMON	20	0.45
PLUS			
SMOOTH BROMEGRASS <u>OR</u>	COMMON	2	0.05
RYEGRASS (PERENNIAL)	PENNFINE / LINN	5	0.10
¹ ADD INOCULANT IMMEDIATEL	Y PRIOR TO SEEDING		

TEMPORARY SEEDING:

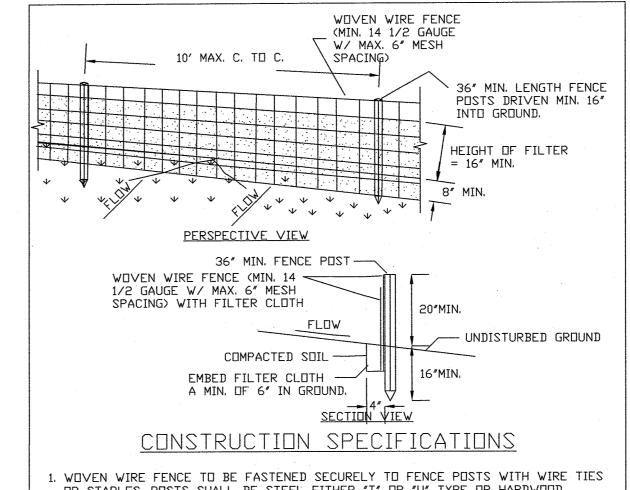
TEMPORARY SEEDING SHALL BE APPLIED ON CONSTRUCTION SITES TO PROTECT AN AREA, OR SECTION, WHERE FINAL GRADING IS COMPLETE, WHEN PREPARING FOR WINTER WORK SHUTDOWN, OR TO PROVIDE COVER WHEN PERMANENT SEEDINGS AREA LIKELY TO FAIL DUE TO MID-SUMMER HEAT AND DROUGHT. WATER MANAGEMENT PRACTICES MUST BE INSTALLED AS APPROPRIATE FOR SITE CONDITIONS. THE AREA MUST BE ROUGH GRADED AND SLOPES PHYSICALLY STABLE. LARGE DEBRIS AND ROCKS ARE USUALLY REMOVED. SEEDBED MUST BE SEEDED WITHIN 24 HOURS OF DISTURBANCE OR SCARIFICATION OF THE SOIL SURFACE WILL BE NECESSARY PRIOR TO SEEDING.

- SEED MIX (SPRING, SUMMER OR EARLY FALL)
- RYEGRASS (ANNUAL OR PERENNIAL) AT 30LBS/ACRE OR 0.7LB/1000 SQFT - SEED MIX (LATE FALL OR EARLY WINTER)
- CERTIFIED 'AROOSTOOK' WINTER RYE (CEREAL RYE) AT 100LBS/ACRE OR 2.5LBS/1000 SQFT

- MULCH MULCH THE AREA WITH STRAW AT 2 TONS/ACRE (90LBS/1000SQFT OR 2 BALES). MULCH ANCHORING WILL BE REQUIRED WHERE WIND OR AREAS OF CONCENTRATED WATER ARE OF CONCERN. WOOD FIBER HYDROMULCH OR OTHER SPRAYABLE PRODUCTS APPROVED FOR EROSION CONTROL (NYLON WEB OR MESH) MAY BE USED IF APPLIED ACCORDING TO MANUFACTURERS' SPECIFICATIONS. CAUTION IS ADVISED WHEN USING NYLON OR OTHER SYNTHETIC PRODUCTS, AS THEY MAY BE DIFFICULT TO REMOVE PRIOR TO FINAL SEEDING.

GENERAL EROSION CONTROL NOTES AND MAINTENANCE REQUIREMENTS

- . THE MAINTENANCE OF EROSION CONTROL DEVICES WILL BE THE RESPONSIBILITY OF THE OWNER/OPERATOR AND SITE CONTRACTOR. THE JOB SUPERINTENDENT WILL MONITOR THE CONDITION OF ALL THE DEVICES, CLEAN OR REPLACE STRUCTURES AS CLIMATIC CONDITIONS REQUIRE. THE OWNER/OPERATOR WILL ALSO BE SUBJECT TO THE DIRECTIVE OF THE DESIGN ENGINEER AND MUNICIPAL REPRESENTATIVES TO INCLUDE MUNICIPAL ENGINEER, HIGHWAY SUPERINTENDENT AND BUILDING INSPECTOR.
- ALL CONTRACTORS SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE APPROVED PLANS AND MAY BE SUBJECT TO ADDITIONAL EROSION CONTROL REQUIREMENTS AS CONDITIONS MAY ARISE IN THE FIELD, OR AS DIRECTED BY THE DESIGN ENGINEER AND/OR MUNICIPAL REPRESENTATIVES. THE EROSION CONTROL PLAN IS A "LIVING" DOCUMENT.
- THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL DEVICES IN ACCORDANCE WITH THE APPROVED PLANS, MANUFACTURER'S RECOMMENDATIONS, AND AS DIRECTED BY THE DESIGN ENGINEER AND MUNICIPAL REPRESENTATIVES.
- NO EROSION CONTROL STRUCTURES SHALL BE REMOVED UNTIL ALL WORK UPSTREAM THEREFROM HAS BEEN COMPLETED. INCLUDING STABILIZATION, AND APPROVED BY THE DESIGN ENGINEER AND MUNICIPAL REPRESENTATIVES.
- WHEREVER FEASIBLE, NATURAL VEGETATION SHOULD BE RETAINED AND PROTECTED.
- . ONLY THE SMALLEST PRACTICAL AREA OF LAND SHOULD BE EXPOSED AT ANY ONE TIME DURING CONSTRUCTION.
- . WHEN LANDS IS DISTURBED DURING CONSTRUCTION, THE EXPOSURE SHALL BE KEPT TO THE SHORTEST PRACTICAL PERIOD OF TIME.
- ALL CONSTRUCTION EQUIPMENT SHALL HAVE PROPERLY SIZED AND MAINTAINED MUFFLERS.
- ALL CONSTRUCTION EQUIPMENT SHALL BE TURNED OFF WHEN NOT IN USE.
- · FILTER FABRIC IS TO BE MIRAFI 140, AS MANUFACTURED BY THE CELANESE CORPORATION, OR APPROVED EQUAL



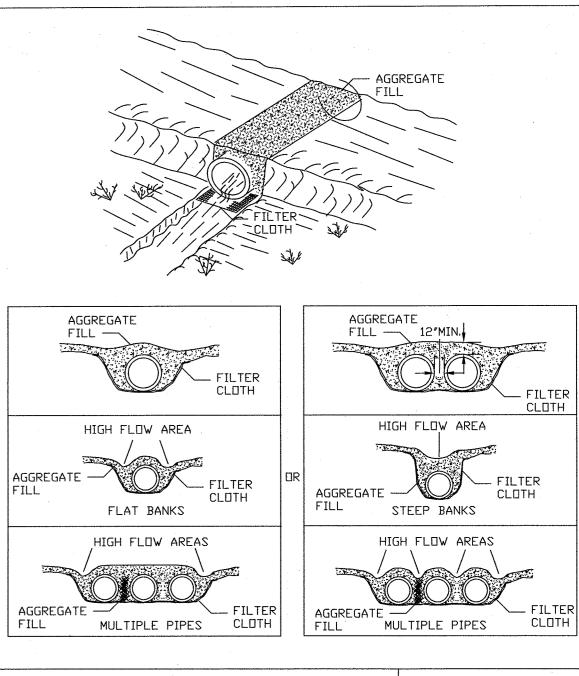
- OR STAPLES, POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
- 2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.

"BULGES" DEVELOP IN THE SILT FENCE.

- FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING. 3, WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
- 4. PREFABRICATED UNITS SHALL BE GEDFAB, ENVIROFENCE, DR APPROVED EQUIVALENT, 5, MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN

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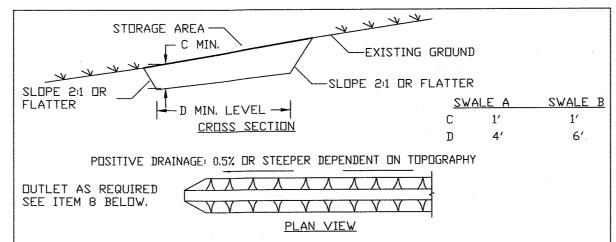
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GRASS DUTLET

SEDIMENT TRAP

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EMPORARY ACCESS CULVERT

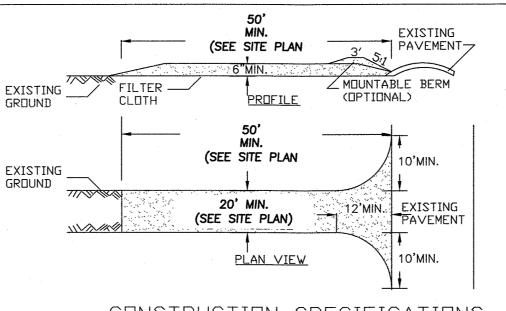


<u>CONSTRUCTION SPECIFICATIONS</u>

- 1. ALL TEMPORARY SWALES SHALL HAVE UNINTERUPTED POSITIVE GRADE TO AN OUTLET. 2. DIVERTED RUNDFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
- 3. DIVERTED RUNDFF FROM AN UNDISTURBED AREA SHALL DUTLET DIRECTLY INTO AN UNDISTURBED STABILIZED AREA AT NON-EROSIVE VELOCITY.
- 4. ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE SWALE.
- 5. THE SWALE SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW.
- 6. FILLS SHALL BE COMPACTED BY EARTH MOVING EQUIPMENT. . ALL EARTH REMOVED AND NOT NEEDED FOR CONSTRUCTION SHALL BE PLACED SO
- THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE SWALE. 8. STABILIZATION SHALL BE AS PER THE FLOW CHANNEL STABILIZATION CHART BELOW: A(5 AC. OR LESS) B(5 AC -10AC) .
- 0.5-3.0% SEED AND STRAW MULCH SEED AND STRAW MULCH SEED USING JUTE DR EXCELSIOR 3.1-5.0% SEED AND STRAW MULCH 5.1-8.0% SEED WITH JUTE OR EXCELSIOR, SOD LINED WITH 4-8' RIP-RAP OR RECYCLED CONCRETE EQUIVALENT 8.1-20.% LINED WITH 4-8' RIP-RAP ENGINEERED DESIGN
- 9. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

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TEMPORARY SWALE

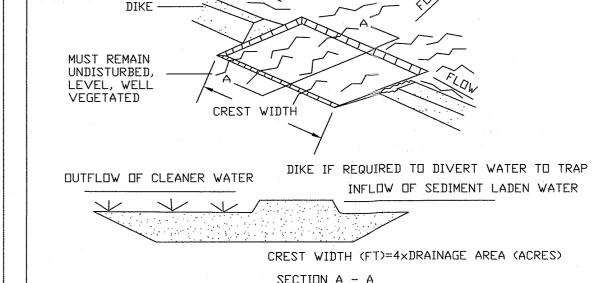


CONSTRUCTION SPECIFICATIONS

1. STONE SIZE - USE 2' STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT 2. I FNGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY),

- 3. THICKNESS NOT LESS THAN SIX (6) INCHES.
- 4. WIDTH TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT PDINTS WHERE INGRESS OR EGRESS OCCURS, TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
- 5. FILTER CLOTH WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING
- 6, SURFACE WATER ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CON-STRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE, IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACTED ONTO PUBLIC RIGHTS-OF-WAY
- 8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- 9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH

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<u>SECTION A - A</u> EXCAVATED GRASS DUTLET SEDIMENT TRAP

CONSTRUCTION SPECIFICATIONS

- 1. VOLUME OF SEDIMENT STORAGE SHALL BE 3600 CUBIC FEET PER ACRE OF CONTRIBUTORY DRAINAGE AREA.
- 2. MINIMUM CREST WIDTH SHALL BE 4 x DRAINAGE AREA
- 3. SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP, REMOVED SEDIMENT SHALL BE DEPOSITED IN A
- SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE. 4. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
- 5. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION SHALL BE MINIMIZED.
- 6. THE SEDIMENT TRAP SHALL BE REMOVED AND AREA STABILIZED WHEN THE REMAINING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
- 7. ALL CUT SLOPES SHALL BE 1:1 OR FLATTER.

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MAXIMUM DRAINAGE AREA: 5 ACRES

GRASS OUTLET SEDIMENT TRAP SIZE TABLE TRAP # CREST WIDTH REQ. (CU.F 4,428 1,410 s.f. \times 3.5' = 4,935 C.F. 4.9'

