

# Stormwater Pollution Control Plan

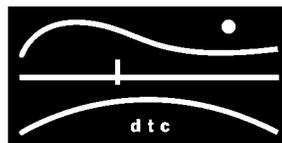
Renovations and Additions to North Haven Middle School

North Haven, Connecticut

DTC Job No. 12-143-106

Issued May 06, 2015

ENGINEERED  
SOLUTIONS



LAND  
STRUCTURES  
WATER

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**1. SITE PLAN**

Refer to site plan included with Appendix E.

**2. SITE DESCRIPTION**

***Nature of the construction activity:***

Construction activities include the renovation and addition to the existing middle school and demolition of the existing classroom wings and associated infrastructure and utilities. In place of the existing classroom wings, new athletic fields will be constructed. The middle school is located on a 60 acre site with the high school and athletic fields. The high school and associated infrastructure drain to the wetlands located on site which ultimately drain to the Quinnipiac River. Stormwater from the existing 21 acre middle school site discharges to the Muddy River south of the site by means of a 36 inch RCP leaving the site. The renovated middle school and new infrastructure will discharge through the existing 36 inch RCP to Muddy River. The existing high school stormwater system that discharges the wetlands will remain. Muddy River ultimately discharges into Quinnipiac River.

New construction will include building 1800 feet of private roads, two parking lots, addition to the existing middle school, athletic fields, reconstruction of the existing bus loop, and sidewalks connecting school, bus loop, fields and roads. Underground utility systems servicing the renovated school and new athletic fields will also be installed. The total area disturbed by construction will be approximately 19.5 acres. The average runoff coefficient of the site after construction will be approximately 72. Construction activities will take place within the 50 foot wetland setback to the south of the site, but will be limited to minor grading. There is 1.7 acres of wetland on site and no construction activity will occur in the wetland limits.

The project is scheduled to begin summer 2015 with an estimated construction duration of 2.5 years.

### **3. CONSTRUCTION SEQUENCING**

1. Flag the limits of construction necessary to facilitate the preconstruction meeting.
2. Hold preconstruction meeting. (Remember to call before you dig at 1-800-922-4455).
3. Flag remainder of the limits of construction and tree protection zones.
4. Install the construction entrance.
5. Install perimeter erosion and sediment controls and tree protection devices in accordance with the sediment and erosion control plan.
6. Protect existing site improvements to remain from damage during construction.
7. Provide for traffic and pedestrian control.
8. Begin demolition of existing site in accordance with demolition plans.
9. Cut trees within the defined clearing limits and remove cut wood. Chip brush and slash, stockpile chips for future use or remove off site.
10. Construct temporary sediment traps.
11. Strip and stockpile all topsoil that is within the footprint of the construction site and reference stockpile management for erosion and sediment controls. Remove tree stumps.
12. Prior to installing surface water controls inspect existing conditions to ensure discharge locations are stable. If not stable, review discharge conditions with design engineer and implement additional stabilization measures prior to installing water surface controls.
13. Install all sanitary sewers, drainage systems and utilities to within 5 feet of the building.
14. The following elements of work can be completed in a sequence the construction manager desires. Each item will require the following work. Avoid disturbing over 5 acres at one time, where possible.
  - a. South Parking Lot
    - i. Prepare sub-base, slopes, parking areas, shoulder areas, roads, sidewalks, and any other area of disturbance for final grading.
    - ii. Install process aggregate in roads and parking areas
    - iii. Place topsoil where required. Complete the perimeter landscape plantings.
    - iv. Fine grade, rake, seed and mulch to within 2 feet of the curbing.

- v. Install first course of paving.
- vi. Repair and sweep all paved areas for the final course of paving. Inspect the drainage system and clean as needed.
- vii. Install final course of pavement

b. North Parking Lot

- i. Prepare sub-base, slopes, parking areas, shoulder areas, roads, sidewalks, and any other area of disturbance for final grading.
- ii. Install process aggregate in roads and parking areas
- iii. Place topsoil where required. Complete the perimeter landscape plantings.
- iv. Fine grade, rake, seed and mulch to within 2 feet of the curbing.
- v. Install first course of paving.
- vi. Repair and sweep all paved areas for the final course of paving. Inspect the drainage system and clean as needed.
- vii. Install final course of pavement

c. Entry Road

- i. Prepare sub-base, slopes, parking areas, shoulder areas, roads, sidewalks, and any other area of disturbance for final grading.
- ii. Install process aggregate in roads and parking areas
- iii. Place topsoil where required. Complete the perimeter landscape plantings.
- iv. Fine grade, rake, seed and mulch to within 2 feet of the curbing.
- v. Install first course of paving.
- vi. Repair and sweep all paved areas for the final course of paving. Inspect the drainage system and clean as needed.
- vii. Install final course of pavement

d. Parent Drop-off

- i. Prepare sub-base, slopes, parking areas, shoulder areas, roads, sidewalks, and any other area of disturbance for final grading.
- ii. Install process aggregate in roads and parking areas
- iii. Place topsoil where required. Complete the perimeter landscape plantings.
- iv. Fine grade, rake, seed and mulch to within 2 feet of the curbing.
- v. Install first course of paving.
- vi. Repair and sweep all paved areas for the final course of paving. Inspect the drainage system and clean as needed.
- vii. Install final course of pavement

- e. Bus Loop
  - i. Prepare sub-base, slopes, parking areas, shoulder areas, roads, sidewalks, and any other area of disturbance for final grading.
  - ii. Install process aggregate in roads and parking areas
  - iii. Place topsoil where required. Complete the perimeter landscape plantings.
  - iv. Fine grade, rake, seed and mulch to within 2 feet of the curbing.
  - v. Install first course of paving.
  - vi. Repair and sweep all paved areas for the final course of paving. Inspect the drainage system and clean as needed.
  - vii. Install final course of pavement
- f. Athletic Fields
  - i. Prepare sub-base and any other area of disturbance for final grading.
  - ii. Install base
  - iii. Install synthetic turf.
  - iv. Place topsoil where required. Complete the perimeter landscape plantings.
  - v. Fine grade, rake, seed and mulch around the field.
- g. Construct school addition.

15. Inspect the drainage system and clean as needed.

16. After site is stabilized remove temporary erosion and sediment controls.

#### **4. STORMWATER CONTROL MEASURES**

##### ***4.1. Erosion and Sediment Controls***

###### ***4.1.1. Silt Fence Perimeter Control***

- Install silt fence per Erosion and Sediment Control Plan. Leave space for maintenance between toe of slope and silt fence. Trench in the silt fence on the uphill side (6 inches deep by 6 inches wide). Install stakes on the downhill side of fence. Curve the end of the silt fence or fiber roll up-gradient to help contain runoff.
- Remove sediment when it reaches one-third the height of the fence. Should the fabric on a silt fence decompose or become ineffective, replace fabric promptly. Inspect once every 7 calendar days or within 24 hours of the end of a storm event of 0.5 inches or greater. Inspect fence for accumulated sediment height, damage, and gaps between fence and ground.

#### **4.1.2. Soil Stockpiles**

- The soil stockpiles shall be ringed with silt fence. These rings shall be maintained during the period that materials are stored. Stockpiles stored for more than 30 days shall be seed with temporary cover to prevent erosion.
- Do not hose down or sweep soil or sediment accumulated on pavement or other impervious surfaces into any stormwater conveyance (unless connected to a sediment basin, sediment trap, or similarly effective control), storm drain inlet, or surface water.)

#### **4.1.3. Temporary Seed and Mulch**

- Temporary seeding and mulch will be used no later than 14 days from the last construction activity on exposed soil areas. Temporary seeding will be conducive to the season. Seeded area will also be mulched with straw reasonably free from noxious and foreign matter detrimental to the seeded grasses.
- Records of all stabilization activities and buffer zone conditions shall be kept and noted on weekly inspection reports. Inspect weekly seeded areas for failure and, if needed, reseed and repair them as soon as possible. If a stand has inadequate cover, reevaluate the choice of plant materials and quantities of lime and fertilizer.

#### **4.1.4. Inlet Protection**

- Install inlet protection, in the form of silt sacks for catch basins and hay bale around yard drains, as soon as storm drain inlets are installed and before land-disturbance activities begin in area with existing storm drain systems.
- Clean, or remove and replace, the protection measures as sediment accumulates, the filter becomes clogged, and/or performance is compromised. Where there is evidence of sediment accumulation adjacent to the inlet protection measure, you must remove the deposited sediment by the end of the same work day in which it is found or by the end of the following work day if removal by the same work day is not feasible.

#### **4.1.5. Temporary Dewatering Basin**

- Temporary sediment trap should be located per Erosion & Sediment Control Site Plan.
- Inspect temporary sediment trap once every 7 calendar days or within 24 hours of the end of a storm event of 0.5 inches or greater. Sediment basin will be cleaned out when sediment reaches 50% of original capacity.

#### **4.1.6. Dewatering**

- Place dewatering bag over discharge hose from pump. Tightly secure to prevent water from flowing out of the dewatering bag.
- With backwash water, either haul it away for disposal or return it to the beginning of the treatment process; and replace and clean the filter media used in dewatering devices when the pressure differential equals or exceeds the manufacturer's specifications.

#### **4.1.7. Permanent Planting**

- Landscape areas should be planted in good topsoil. Native topsoil may be used if found suitable by amending per recommendations of a certified soil testing agency. Landscape areas shall be dressed with a minimum of six (6) inches of topsoil. All areas not covered by paving or defined shall be topsoiled and seeded. Use Erosion control matting where indicated on site plan.

#### **4.2. Post Construction Stormwater Management**

The North Haven Middle School project can be categorized as redevelopment project with an existing effective impervious cover of greater than 40 percent as described in Section 5(b)(2)(C)(i)(a) of the General Permit.

Control measures will be put in place to retain on site one half of the water quality volume as well as provide treatment for the full water quality volume. Underground retention basins will be installed to infiltrate half of the water quality volume for the entire site. The full water quality volume for the Middle School site will be treated by gross particle separators. Existing gross particle separators treat the stormwater from the existing high school before discharging into the wetlands.

##### **4.2.1. Suspended Solids and Floatables Removal**

Stormwater from a portion of the roof and surround lawn will be collected in two separate rain gardens. The rain gardens will have overflows to the proposed storm network.

Stormwater collected on site will pass through GPS units sized to treat the full water quality flow

Sizing calculations are provided in Appendix F.

#### **4.3. Other Controls**

##### **4.3.1. Waste Disposal**

- Solid waste dumpsters will be located on-site to properly dispose of solid waste materials, including trash and construction debris. Recycle materials whenever possible. Locate waste-collection areas away from streets, gutters, watercourses, and storm drains.
- Clean up litter and debris from the construction site daily.

##### **4.3.2. Washout Areas**

- Clearly mark the washing areas and inform workers that all washing must occur in this area. Use high-pressure water spray without detergents. Do not conduct any other activities, such as vehicle repairs, in the wash area.

##### **4.3.3. Off-site Vehicle Tracking**

- Install temporary construction entrance
- Where sediment has been tracked-out from your site onto the surface of off-site streets, other paved areas, and sidewalks, you must remove the deposited

sediment by the end of the same work day in which the track-out occurs or by the end of the next work day if track-out occurs on a non-work day. You must remove the track-out by sweeping, shoveling, or vacuuming these surfaces, or by using other similarly effective means of sediment removal. You are prohibited from hosing or sweeping tracked-out sediment into any stormwater conveyance (unless it is connected to a sediment basin, sediment trap, or similarly effective control), storm drain inlet, or surface water.

#### **4.3.4. Dust Control**

- Construction activities at the project site will result in emissions of fugitive dust to the atmosphere. The quantity of fugitive dust generated will be controlled but is dependent upon weather conditions. Fugitive dust particles have a greater propensity to become airborne during dry and breezy meteorological conditions. Construction activities at the site, which will result in the generation of fugitive dust, include grading, material loading and unloading, material storage piles and construction traffic.
- The contractor will implement the following reasonable precautions during construction to minimize; the generation of fugitive dust: Use water for dust control of active construction areas, active unpaved areas, and other surfaces, which can give rise to airborne dust.

#### **4.3.5. Chemical and Petroleum Storage**

- Provide storage in accordance with secondary containment regulations and provide cover for hazardous materials when necessary.
- Ensure that storage containers are regularly inspected for leaks, corrosion, support or foundation failure, or any signs of deterioration and tested for soundness. Inspect weekly.

## **5. RUNOFF REDUCTION AND LOW IMPACT DEVELOPMENT (LID) INFORMATION**

In order to reduce runoff from the site, underground retention basins will be provided to infiltrate one half of the water quality volume. Stormwater will also be treated and discharged to the existing storm system leaving the site.

## **6. INSPECTIONS**

### **6.1. Plan Implementation Inspections**

Within 30 days after the start of construction activity on-site, a qualified professional engineer or soil erosion and sediment control professional must inspect the site and complete the form provided in Appendix C.

The site must be inspected at least once and no more than 3 times during the first 90 days to confirm compliance with the general permit and implementation of all control measures described in this plan.

The qualified professional engineer or soil erosion and sediment control professional selected to perform the initial inspection must:

- Not be an employee of the project owner.
- Have no ownership interest in the project.
- Submit resume confirming qualifications (to be retained with this plan).

## **6.2. Routine Inspections**

### **6.2.1. Procedure**

At least once per week AND within 24 hours of the end of a storm that generates a stormwater discharge, the qualified inspector must inspect and document the following:

- Date, time, weather and temperature at the time of inspection.
- Date and time of last storm event
- Storm duration and amount of precipitation (inches)
- Description of any stormwater discharge since last inspection
- Description of current construction activity
- Verify erosion control measures are implemented
- Note any corrective measures required
- Soil stockpile areas
- Equipment washout areas
- Construction entrances
- Material storage areas
- Equipment fueling and chemical storage areas

### **6.2.2. Qualified Inspector**

A qualified inspector must satisfy one of the following three requirements:

- Possess a professional license or certification by a professional organization recognized by the commissioner related to agronomy, civil engineering, landscape architecture, soil science, and two years of demonstrable and focused experience in erosion and sediment control plan reading, installation, inspection and/or report writing for residential and commercial construction projects in accordance with the Guidelines.
- Possess five years of demonstrable and focused experience in erosion and sediment control plan reading, installation, inspection and/or report writing for residential and commercial construction projects in accordance with the Guidelines
- Possess certification by the Connecticut Department of Transportation (DOT)

The qualified inspector's resume must be maintained with this plan to document compliance.

### **6.2.3. Report Preparation**

A sample routine inspection report is provided in Appendix D. Completed reports must remain with this plan.

### **6.3. Keeping the Plan Current based on inspections**

Corrective actions to remedy concerns documented by the qualified inspector must be implemented with 24 hours after discovery. If the corrective action requires modification of procedures outlined in this plan, such changes must be incorporated with 3 days of the date of inspection.

The time frame is extended to 7 days for corrective action and 10 days for plan revision in the case of engineered measures. Engineered measures specific to this project include permanent turf reinforcement mats, retaining walls, rip-rap, water quality basin, and outlet protection.

Interim measures must be implemented to minimize discharge of pollutants from the site while corrective actions are being developed.

## **7. MONITORING**

### **7.1. Sample Collection Procedure**

Stormwater samples must be collected and analyzed for turbidity at least once per month until final stabilization of the drainage area contributing to each respective outfall is achieved.

Sampling is only required during normal working hours as defined in this plan. If the stormwater discharge continues into the next working day, sampling shall resume for the duration of the discharge.

At each outfall, at least 3 grab samples shall be collected during a storm event. The first sample should be collected within the first hour of stormwater discharge. Samples may be analyzed with an in-situ turbidity probe or by an off-site laboratory. Each of the 9 samples (3 samples at 3 outfalls) must be analyzed individually, composite samples are not permitted.

If there is no discharge during a month, sampling is not required.

### **7.2. Sample locations**

The two sample locations will be the existing storm manhole at the intersection of Bailey Road and the middle school entry road, and the existing storm manhole where the proposed drainage ties into at the south side of the site. The locations are noted on the site plan and must be field staked, or labeled with paint

### **7.3. Submission of Stormwater Monitoring Reports**

Sample results must be tabulated on the Stormwater Monitoring Form (SMR) provided in Appendix D and submitted to DEEP within 30 days following end of each monthly sample period.

Submission of stormwater sample results must be made electronically using NetDMR which may be accessed at the following location: [www.ct.gov/deep/netdmr](http://www.ct.gov/deep/netdmr)

## 8. CONTRACTORS

Each contractor and subcontractor that will perform work on site must complete the form included in Appendix H. Completed copies of this form, including signature acknowledging the certification statement, must be maintained with this plan at all times.

## 9. RECORD KEEPING REQUIREMENTS

For a period of at least five years from the date that construction is complete, the permittee shall retain copies of the Plan and all reports required by this general permit, and records of all data used to complete the registration for this general permit, unless the commissioner specifies another time period in writing. Inspection records must be retained as part of the Plan for a period of five (5) years after the date of inspection.

The permittee shall retain an updated copy of the Plan required by this general permit at the construction site from the date construction is initiated at the site until the date construction at the site is completed.

## 10. TERMINATION REQUIREMENTS

The Notice of Termination included as Appendix G must be completed and submitted to DEEP at the end of the project. Once completed, the form must be mailed to the following address:

CENTRAL PERMITS PROCESSING UNIT  
BUREAU OF MATERIALS MANAGEMENT & COMPLIANCE ASSURANCE  
DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION  
79 ELM STREET  
HARTFORD, CT 06106-5127

The project is considered complete after all post-construction measures are installed, cleaned and functional, and the site has been stabilized for at least three months following completion of construction. A site is considered stabilized when there is no active erosion or sedimentation present and no disturbed areas remain exposed for all phases.

The qualified inspector must verify final stabilization at least three months after the completion of construction before the Notice of Termination can be filed with DEEP.

## 11. POST CONSTRUCTION OPERATION AND MAINTENANCE PLAN

### 11.1. **Pavement sweeping**

- Sweep pavement at least quarterly to remove sediment accumulation. At least one of the sweeping events must be performed in the spring (March or April) and another event in the fall (October).

### 11.2. **Catch Basins**

- Inspect units four times per year
- Clean units four times per year or whenever the depth of deposits is greater than or equal to one half the depth from the bottom of the invert of the lowest pipe in the basin.

**11.3. Hydrodynamic Separators**

- Inspect in accordance with manufacturer requirements, but no less than twice a year following installation, and no less than once a year thereafter.
- Remove sediment and other trapped pollutants with a vacuum truck at frequency or level specified by manufacturer.

**11.4. Rain Garden**

- Inspect rain gardens at least twice per year. Consider the following items:
  - Subsidence, erosion, cracking or tree growth on the embankment
  - Damage yard drain inlet and dome shaped atrium drain
  - Sediment accumulation around the outlet
  - Erosion within the basin and banks
- Mow the side slopes and bottom at least twice per year (fall and spring) avoiding shrubs. Remove and dispose grass clippings.
- Check for accumulated sediment, trash, and debris and remove it at least twice per year.
- Remove sediment from the basin as needed and at least once every 10 years.

**11.5. Underground Retention System**

- Check for accumulated sediment, trash, and debris and remove it at least twice per year. If sediment, trash, or debris is found, inspect upstream control structures.
- Remove sediment from the basin as needed and at least once every 10 years.

Stormwater management system owner and party for operation and maintenance:

Town of North Haven  
18 Church Street  
North Haven, CT 06473























SEAL

KEY PLAN

**Perkins Eastman**

422 SUMMER STREET  
STAMFORD, CT 06901  
T. 203.251.7400  
F. 203.251.7474

Owner:  
Town of North Haven Ct  
18 Church Street, North Haven, Ct. 06473  
203.238.5321

Construction Manager:  
Gilbane  
238 New London Turnpike, Glastonbury, Ct. 06033  
860.368.5100

MEP/Structure/Civil/Landscape:  
Diversified Technology Consultants  
2321 Whitney Avenue, Hamden, Ct. 06518  
203.239.4200

Food Service:  
Foodservice Facilities International  
137 Elm Pl, New Canaan, Ct. 06840  
203.972.1605

Acoustical Consultant:  
Acentech Incorporated  
33 Moulton Street, Cambridge, MA 02138  
617.499.8000

IT & Telecommunications:  
D'Agostino & Associates  
425 Ovis Road, Shelton, Ct 06484  
203.402.0450

Security:  
DVS Security Consulting & Engineering  
1020 Sherman Ave, Hamden Ct 06514  
203.288.9490

STATE PROJECT # 101-0047-EA/RR

PROJECT TITLE:

**NORTH HAVEN MIDDLE SCHOOL RENOVATIONS AND ADDITIONS**

55 BAILEY ROAD NORTH HAVEN, CONNECTICUT 06473

PROJECT No: 49970.00

DRAWING TITLE:

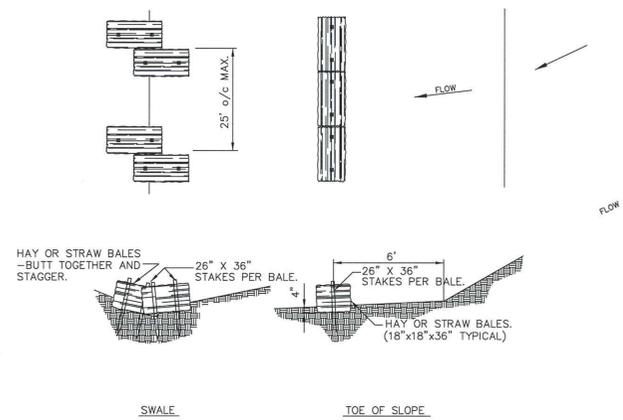
**SEDIMENT AND EROSION CONTROL DETAILS**

SCALE: 1" = 40'

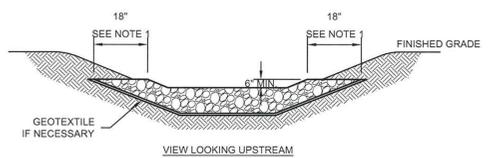
**C-701**

CONSTRUCTION DOCUMENTS

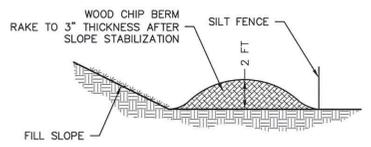
01/30/2015



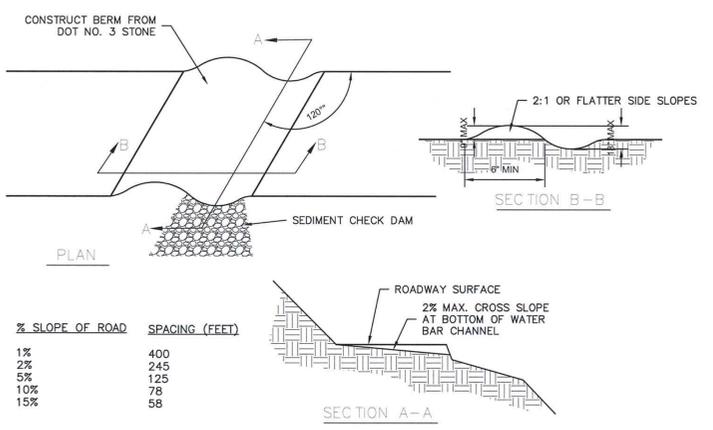
**1 HAYBALE SEDIMENT BARRIER**  
NOT TO SCALE



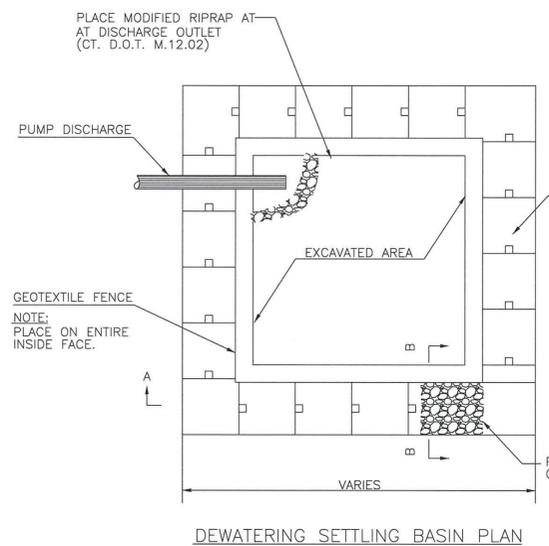
**2 STONE CHECK DAM**  
NOT TO SCALE



**3 WOOD CHIP BERM**  
NOT TO SCALE

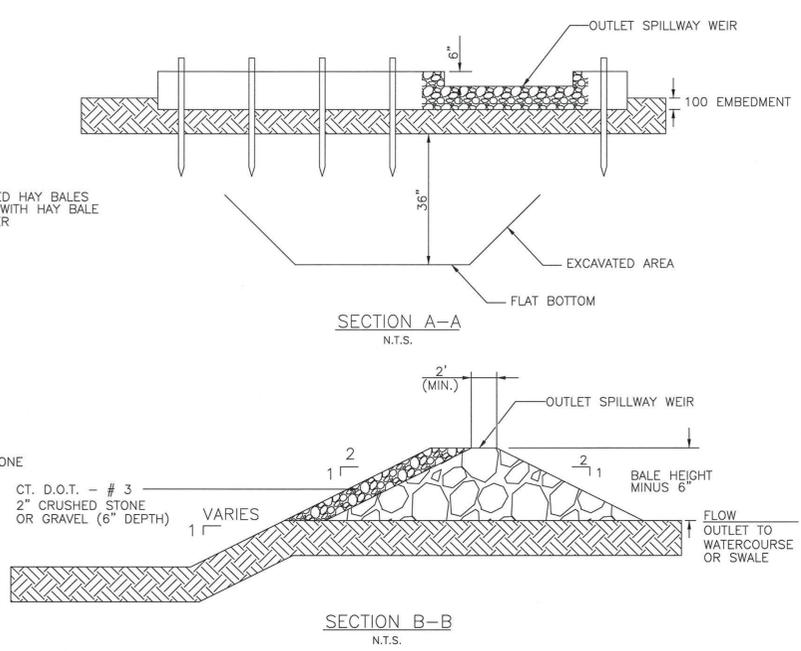


**4 WATER BAR**  
NOT TO SCALE

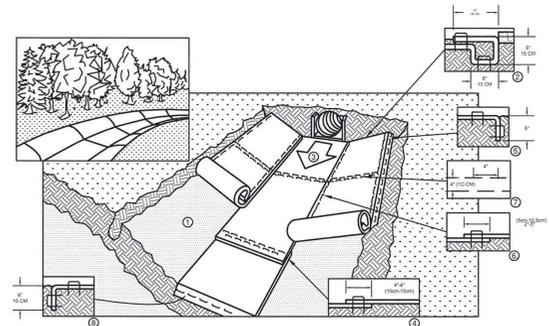


- NOTES:
- DIMENSIONS VARY ACCORDING TO PUMPING RATES. MINIMUM REQUIRED STORAGE IS CALCULATED FROM CREST OF SPILLWAY. TO BE DETERMINED BY THE CONTRACTOR.
  - SEE SECTIONS 5 - 13 DEWATERING OF 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL

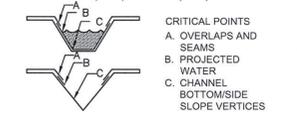
**5 DEWATERING SETTLING BASIN**  
NOT TO SCALE



**6 EROSION CONTROL BLANKET**  
NOT TO SCALE



- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
- BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE BLANKET IN A 6" (15cm) DEEP X 6" (15cm) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30cm) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30cm) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30cm) APART ACROSS THE WIDTH OF THE BLANKET.
- ROLL CENTER BLANKET IN DIRECTION OF WATER FLOW IN BOTTOM OF CHANNEL. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
- PLACE CONSECUTIVE BLANKETS END OVER END (SHINGLE STYLE) WITH A 4"-6" (10cm-15cm) OVERLAP. USE A DOUBLE ROW OF STAPLES STAGGERED 4" (10cm) APART AND 4" (10cm) ON CENTER TO SECURE BLANKETS.
- FULL LENGTH EDGE OF BLANKETS AT TOP OF SIDE SLOPES MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30cm) APART IN A 6" (15cm) DEEP X 6" (15cm) WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
- ADJACENT BLANKETS MUST BE OVERLAPPED APPROXIMATELY 2'-5" (50cm-12.5cm) (DEPENDING ON BLANKET TYPE) AND STAPLED. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE BLANKET BEING OVERLAPPED.
- IN HIGH FLOW CHANNEL APPLICATIONS, A STAPLE CHECK SLOT IS RECOMMENDED AT 30 TO 40 FOOT (9m-12m) INTERVALS. USE A DOUBLE ROW OF STAPLES STAGGERED 4" (10cm) APART AND 4" (10cm) ON CENTER OVER ENTIRE WIDTH OF THE CHANNEL.
- THE TERMINAL END OF THE BLANKETS MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30cm) APART IN A 6" (15cm) DEEP X 6" (15cm) WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.



NOTE: HORIZONTAL STAPLE SPACING SHOULD BE ALTERED IF NECESSARY TO ALLOW STAPLES TO SECURE THE CRITICAL POINTS ALONG THE CHANNEL SURFACE. IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 cm) MAY BE NECESSARY TO PROPERLY ANCHOR THE BLANKETS.

NORTH AMERICAN GREEN C125 EROSION CONTROL BLANKET OR EQUIVALENT (CHANNELS ONLY)

