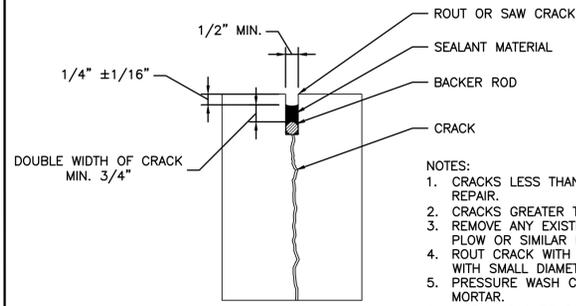


Contractor Questions and Responses

- 1. On the drawings C.03, C.03B, C.03C and C.03AD, there are new signs to be installed but there is no spec for site signage. Please Advise**
 - a. Sign details depicting coloring, material, layout and installation are shown on detail sheet C.08E.
- 2. What is the depth of the processed aggregate base under the new asphalt pavement on the west side of this project**
 - a. The pavement section for the processed aggregate base under the new asphalt pavement on the west side shall be as depicted on Detail 7 sheet C.08 as added in Addendum 4.
- 3. Verify pipe size for infiltration system 24" or 36" dia detail on sheet C.08F conflicts with C.04A and c.04d**
 - a. Pipe size is to be 36" as depicted on sheet C.04A and C.04D, detail sheet C.08F has been modified.
- 4. Verify a field office is still a requirement**
 - a. Field office is not a requirement at this time, a space in the building will be used for meetings.
- 5. Do subcontractors that are not named still have to fill out a qualification statement**
 - a. Subcontractors are required to fill out a qualification statement if the general contractor is one of the lowest three bidders. It is not necessary to submit a subcontractor's qualification statement with the bid form.
- 6. Do we have to name sub-contractors if their contract amount is less than \$500,000**
 - a. All sub-contractors must be named
- 7. Is there any limit to the area that can be reclaimed prior to paving**
 - a. The limit of area to be reclaimed prior to paving must be coordinated with the owner in order to provide adequate site access. However it is recommended that the contractor bear in mind the sedimentation and erosion control plan and implement proper dust control during and after pavement reclamation operations until the site is stabilized.
- 8. Please provide anticipated project start date**
 - a. It is anticipated that construction will start as soon as possible after the end of the school year depending on the bond commission funding.
- 9. Spec section 015000 Temporary Facilities 0156000 temporary barriers and enclosures please provide specific locations where temporary fence will be required**
 - a. Temporary barriers will be used as necessary to provide safe access to the school. It is at the contractor's discretion to install them as necessary to ensure the safety and protection of their equipment.
- 10. Spec section 015000 Temporary Facilities Temporary environmental controls is rodent and pest control required**
 - a. Rodent and Pest Control is required.
- 11. 015813 temporary project signage please advise if all signs listed are required.**
 - a. The signs listed in 015813 Temporary Project Signage are required.
- 12. Drawing C.08A detail #6 Please provide base and subbase thickness as additional pavement areas above and beyond that being reclaimed are proposed.**

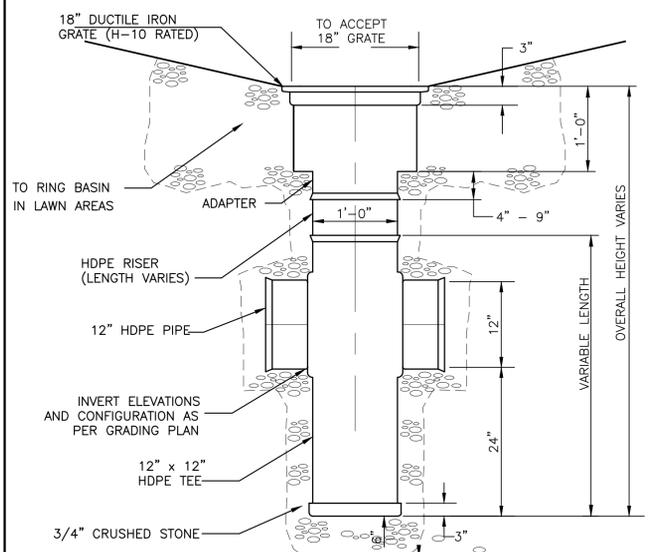
- a. The pavement section for the processed aggregate base under the new asphalt pavement on the west side shall be as depicted on Detail 7 sheet C.08 as added in Addendum 4.
- 13. Please clarify the scope for cleaning the existing drainage infrastructure. Plan drawing C.04A shows one (1) existing catch basin to be cleaned. Plan drawing C.04B shows six (6) runs of drainage pipe that require heavy cleaning. Are we to assume that the one drainage structure is to be cleaned along with six runs of heavy cleaning or do you envision to have all the existing drainage infrastructure cleaned with six runs being cleaned heavily?**
- a. The intent is to clean the runs as delineated on the plan as heavy cleaning the rest of the runs were recently cleaned for CCTV inspection
- 14. Please clarify all locations where handrails are required. As an example, please refer to plan drawing C.08B detail #2 and #4. It is not clear in either enlargements where the handrails are to be. Are there handrails on the left side of the stair landing in detail #2 due to the drop off in grade? Are there handrails along the building as it appears to be show in detail #4? These are just a few areas of ambiguity. Please send a sketch with callouts for all the handrails on site.**
- a. Details C.08B and C.08F have been amended per addendum 4 to better clarify handrail layout also attached is a sketch of Details C.08B and C.08F with the handrails highlighted.



- NOTES:
1. CRACKS LESS THAN 1/4" WIDE WITH NO SPALLING DO NOT REQUIRE REPAIR.
 2. CRACKS GREATER THAN 1 1/2" WIDE MUST BE REBUILT AS A JOINT. REMOVE ANY EXISTING SEALANT AND BACK-UP MATERIAL WITH JOINT PLOW OR SIMILAR EQUIPMENT.
 3. ROUT CRACK WITH VERTICAL SPINDLE ROUTER OR A CONCRETE SAW WITH SMALL DIAMETER BLADE.
 4. PRESSURE WASH CRACK TO REMOVE ALL LOOSE DEBRIS AND CEMENT MORTAR.
 5. INSTALL BACKER ROD TO CRACKS GREATER THAN 3/4" WIDE.
 6. INSTALL SEALANT FROM BOTTOM UP TO 1/4" ± 1/16" FROM SURFACE.
 7. INSTALL SEALANT FROM BOTTOM UP TO 1/4" ± 1/16" FROM SURFACE.

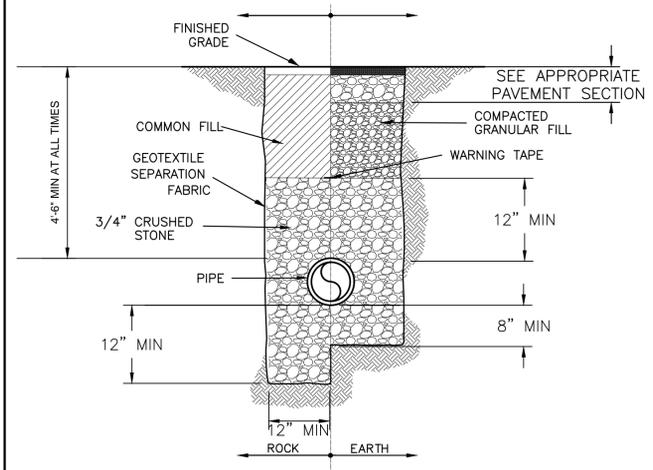
1 CRACK REPAIR

NTS



4 NYLOPLAST-ADS YARD DRAIN BASIN

NTS

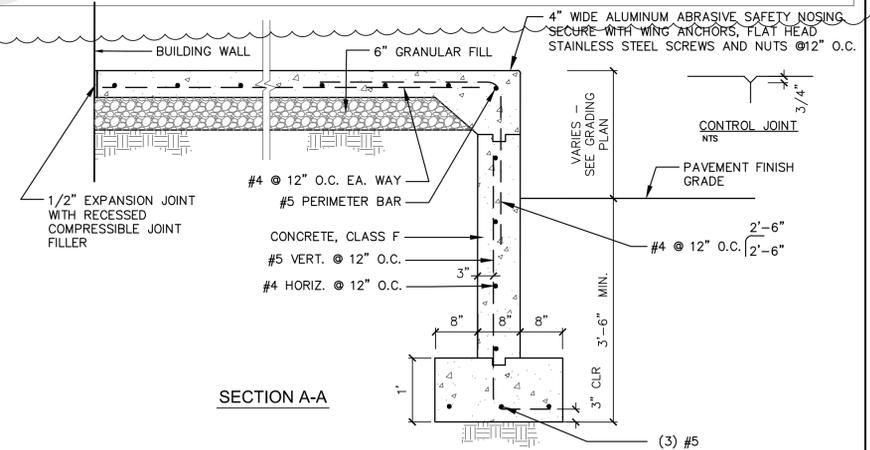
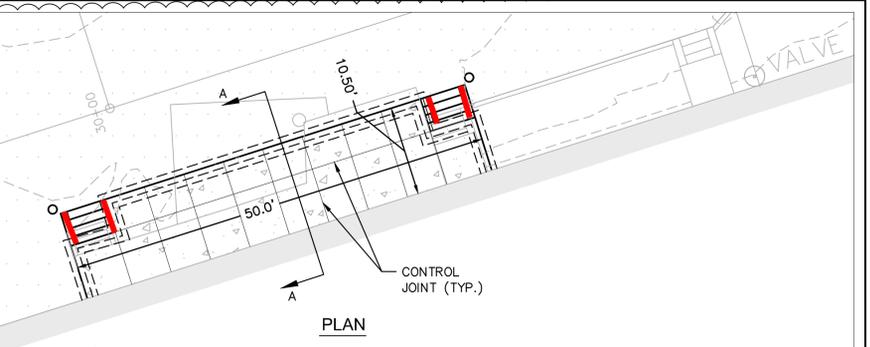
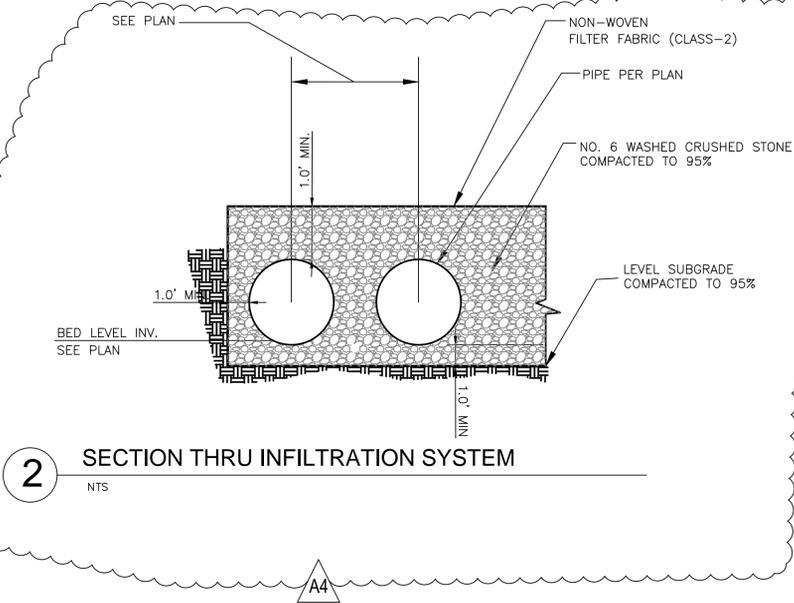


5 TYPICAL PIPE TRENCH DETAIL

NTS

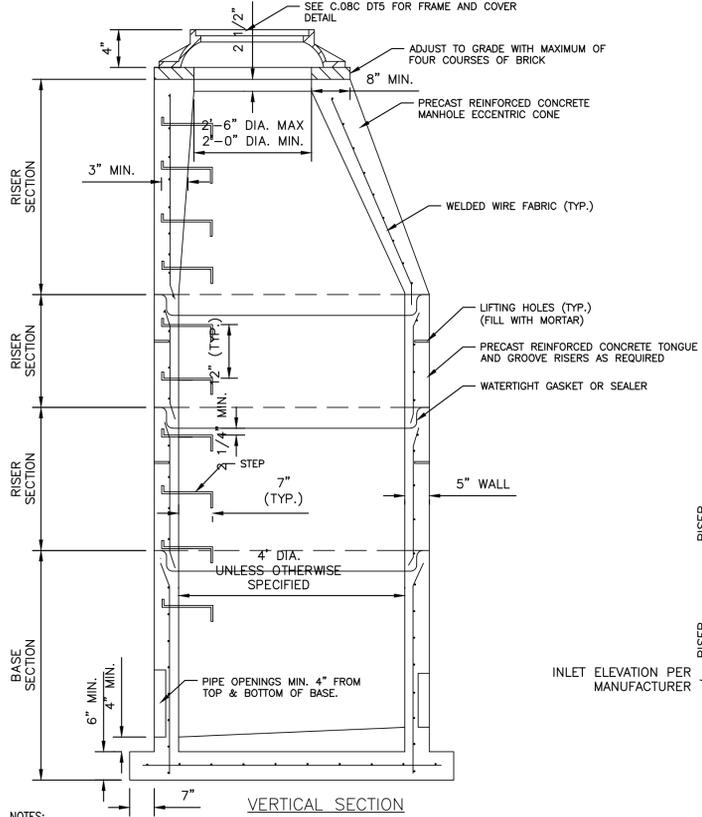
2 SECTION THRU INFILTRATION SYSTEM

NTS



3 CONCRETE LOADING DOCK

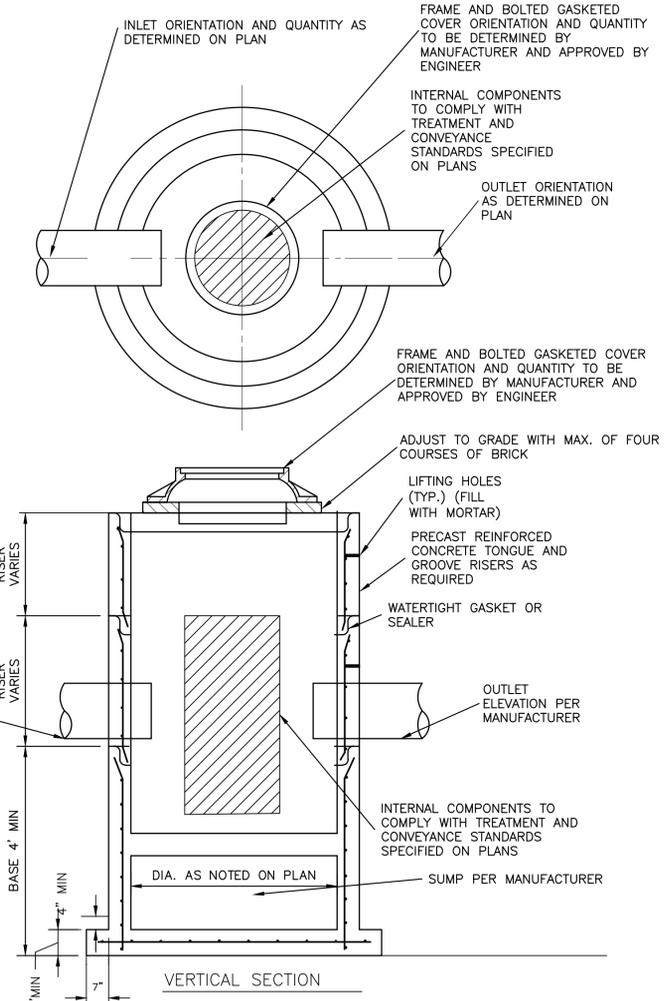
NTS



- NOTES:
1. STEEL REINFORCING SHOWN IS SCHEMATIC. AREA OF REINFORCING STEEL AND CONCRETE COMPRESSIVE STRENGTH SHALL CONFORM TO A.S.T.M. SPECIFICATIONS C76 & C478.
 2. ALL LIFTING HOLES SHALL BE PLUGGED WITH TYPE 2 MORTAR.
 3. PROVIDE FLAT TOP IN PLACE OF CONE SECTION WHEN REQUIRED BY THE ENGINEER.
 4. 5" OR 6" DIA. PRECAST BASES MAY BE USED WHEN REQUIRED DUE TO SIZE OR NUMBER OF PIPES AT THE MANHOLE. PRECAST REDUCERS WILL BE PLACED ABOVE THE 5" AND 6" BASES AS DIRECTED BY THE ENGINEER. WALL THICKNESS TO INCREASE 1" FOR EACH 1' OF INSIDE DIAMETER INCREASE.

6 PRECAST CONCRETE MANHOLE

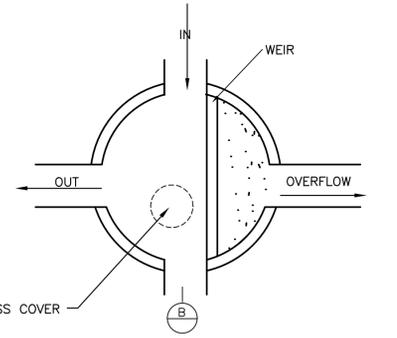
NTS



- NOTES:
1. STRUCTURE AND CASTINGS REQUIRED TO CONFORM TO AASHTO H20 LOADING
 2. FLEXIBLE PIPE CONNECTION PER MANUFACTURERS RECOMMENDATION

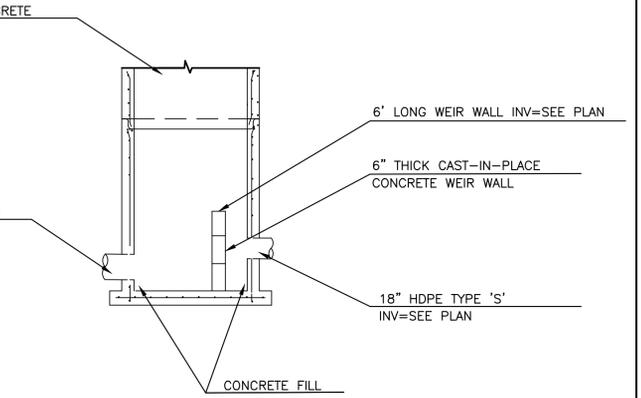
7 HYDRODYNAMIC SEPARATOR

NTS

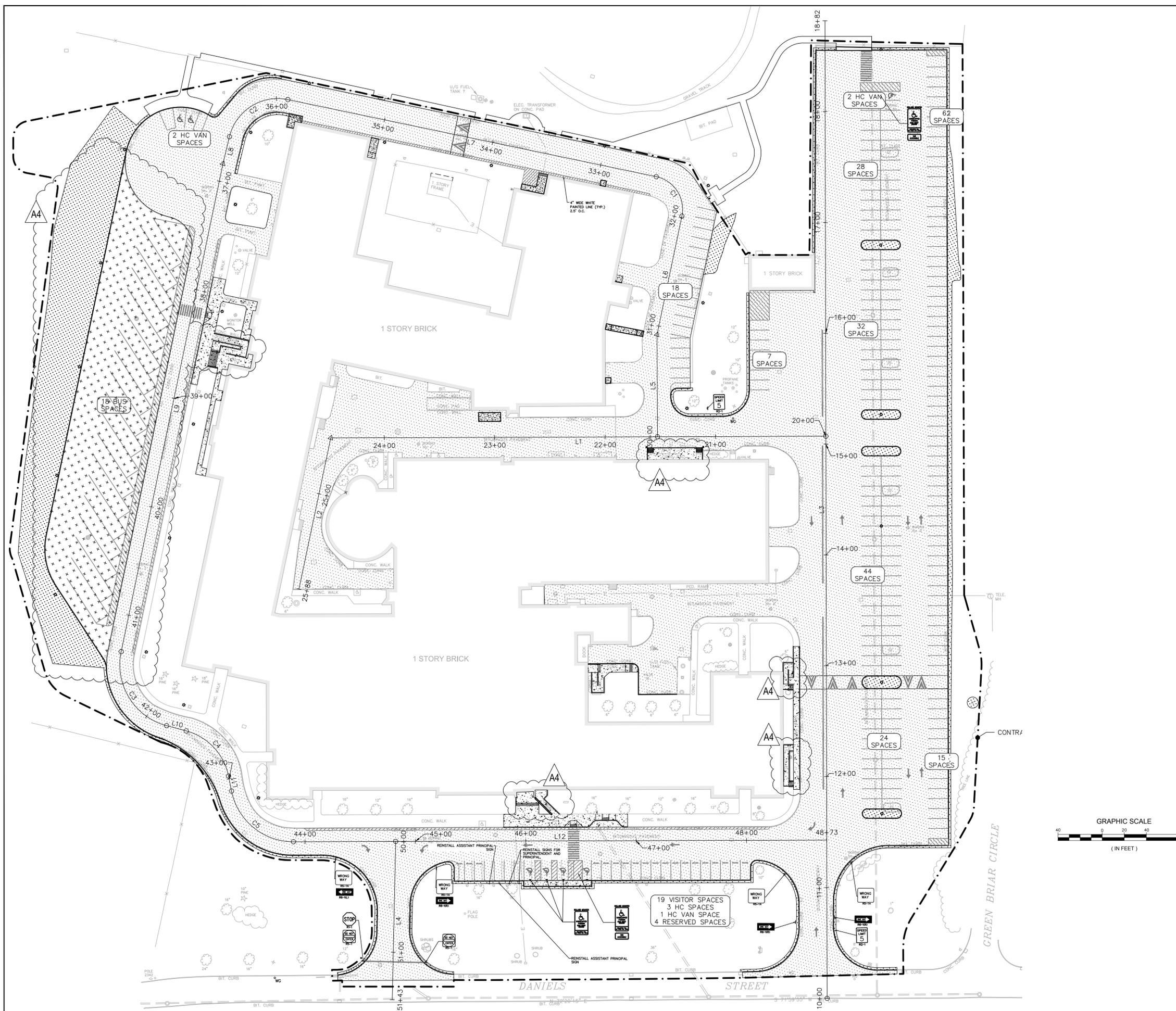


8 DIVERSION STRUCTURE

NTS



REVISIONS			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
mark	date	description	drawing prepared by	date
A4	04/01/16	MODIFIED DETAIL 2 CHANGED PIPE FROM 24" TO 36" UPDATE HANDRAIL LOCATIONS	DIVERSIFIED TECHNOLOGY CONSULTANTS 2321 WHITNEY AVENUE HAMDEN, CT	12/11/2015
			project	scale
			VINAL TECHNICAL HIGH SCHOOL PAVING AND SITE IMPROVEMENTS MIDDLETOWN, CT	NTS
			drawn by	
			CJS	
			approved by	
			MDE	
			drawing no.	
			SKC.08F	
			CAD no.	
			13-378-DT.dwg	
			project no.	
			BI-RT-873	



LEGEND

- CONCRETE SIDEWALK
- BITUMINOUS CONCRETE PAVEMENT OVER RECLAIM IN PLACE DT-6 C.08A
- BITUMINOUS CONCRETE PAVEMENT OVER PROCESSED AGGREGATE DT-7 C.08A
- LOAM AND SEED AREA
- HC VAN ACCESSIBLE PARKING SPACE
- HC ACCESSIBLE PARKING SPACE
- CONTRACT LIMIT LINE
- LIGHT POLE

East Driveway

Number	Radius	Length	Line/Chord Direction	A Value
L3		881.91	N17° 31' 00.48"W	

ROADWAY-1

Number	Radius	Length	Line/Chord Direction	A Value
L1		448.50	S72° 24' 24.10"W	
L2		139.39	S5° 27' 31.20"E	

ROADWAY-2

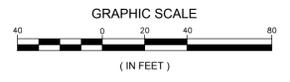
Number	Radius	Length	Line/Chord Direction	A Value
L5		92.16	N17° 38' 53.35"W	
L6		109.27	N5° 29' 33.03"W	
C1	30.00	47.19	N50° 33' 19.32"W	
L7		340.87	S84° 22' 54.38"W	
C2	45.00	69.28	S40° 16' 43.31"W	
L8		25.03	S3° 49' 27.77"E	
L9		449.77	S5° 33' 31.85"E	
C3	57.00	86.48	S49° 01' 30.25"E	
L10		18.41	N87° 30' 31.34"E	
C4	53.00	58.88	S60° 39' 53.41"E	
L11		13.85	S28° 50' 18.17"E	
C5	57.00	78.32	S68° 12' 13.41"E	
L12		483.14	N72° 25' 51.34"E	

EXIT

Number	Radius	Length	Line/Chord Direction	A Value
L4		142.83	S16° 08' 03.72"E	

PARKING SUMMARY

TOTAL	TYPE
3	HC ACCESSIBLE
3	HC ACCESSIBLE
4	ADMIN USE ONLY
19	VISITOR
230	STUDENT FACULTY STAFF
20	BUSES
279	TOTAL



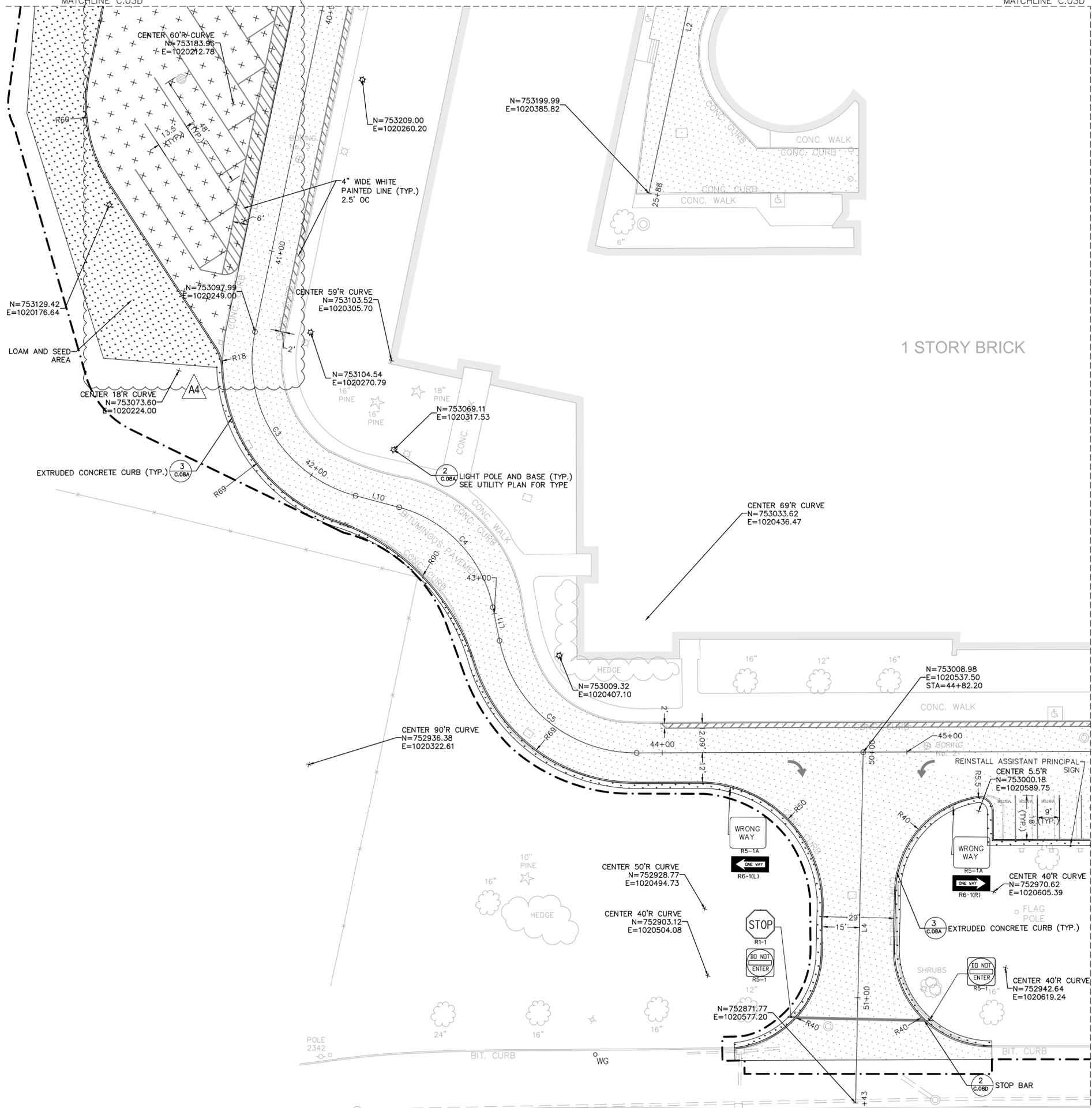
drawing title OVERALL LAYOUT PLAN		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS		drawing prepared by DIVERSIFIED TECHNOLOGY CONSULTANTS 2321 WHITNEY AVENUE HAMDEN, CT	
mark	date	description	date
A4	04/04/16	ADD PAVEMENT OVER PROCESSED AGGREGATE BASE UPDATE HANDRAIL LOCATIONS	12/11/2015
project VINAL TECHNICAL HIGH SCHOOL PAVING AND SITE IMPROVEMENTS MIDDLETOWN, CT		scale 1"=40'	
CAD no. 13-378-LY.dwg		project no. BI-RT-873	drawn by CJS approved by MDE drawing no. C.03

MATCHLINE C.03D

MATCHLINE C.03D

MATCHLINE C.03B

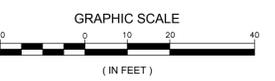
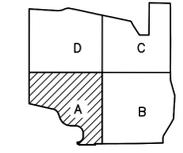
MATCHLINE C.03B



LEGEND

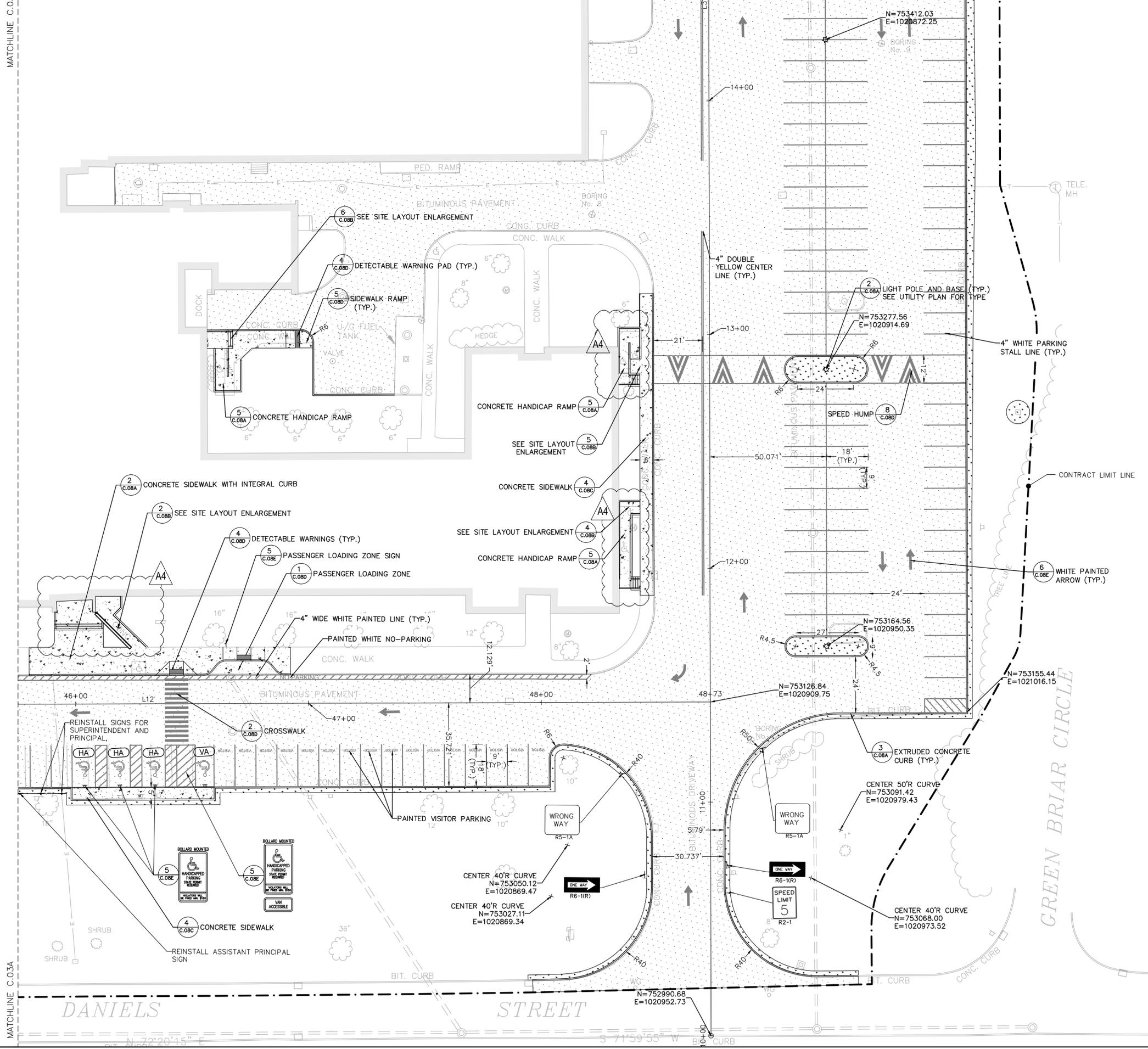
-  CONCRETE SIDEWALK
-  BITUMINOUS CONCRETE PAVEMENT OVER RECLAIM IN PLACE DT-6 C.08A
-  BITUMINOUS CONCRETE PAVEMENT OVER PROCESSED AGGREGATE DT-7 C.08A
-  LOAM AND SEED AREA
-  CONTRACT LIMIT LINE
-  LIGHT POLE

NOTE: SEE SIGN DETAILS ON SHEET C.08E

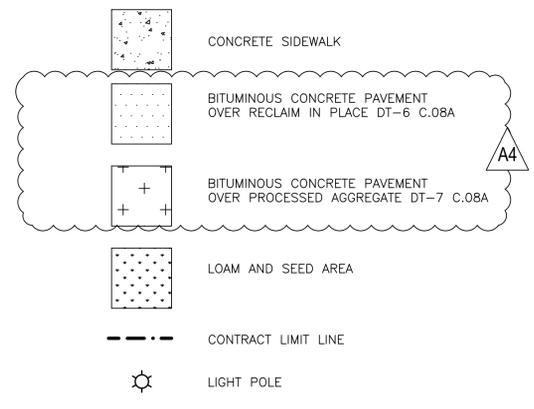


drawing title LAYOUT PLAN		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS		drawing prepared by DIVERSIFIED TECHNOLOGY CONSULTANTS 2321 WHITNEY AVENUE HAMDEN, CT	
mark	date	description	date
A4	04/04/16	ADD PAVEMENT OVER PROCESSED AGGREGATE BASE UPDATE HANDRAIL LOCATIONS	12/11/2015
project VINAL TECHNICAL HIGH SCHOOL PAVING AND SITE IMPROVEMENTS MIDDLETOWN, CT		drawn by CJS approved by MDE drawing no. C.03A	
CAD no. 13-378-LY.dwg		project no. BI-RT-873	

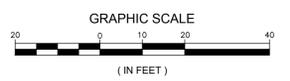
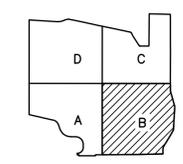
MATCHLINE C.03A MATCHLINE C.03C



LEGEND



NOTE: SEE SIGN DETAILS ON SHEET C.08E



drawing title			STATE OF CONNECTICUT	
LAYOUT PLAN			DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS			drawing prepared by	
mark	date	description	DIVERSIFIED TECHNOLOGY CONSULTANTS	
A4	04/04/16	ADD PAVEMENT OVER PROCESSED AGGREGATE BASE UPDATE HANDRAL LOCATIONS	2321 WHITNEY AVENUE HAMDEN, CT	
			date	
			12/11/2015	
			scale	
			1"=20'	
			project	
			VINYL TECHNICAL HIGH SCHOOL PAVING AND SITE IMPROVEMENTS MIDDLETOWN, CT	
			drawn by	
			CJS	
			approved by	
			MDE	
			drawing no.	
			C.03B	
CAD no.			project no.	
13-378-LY.dwg			BI-RT-873	

MATCHLINE C.03A

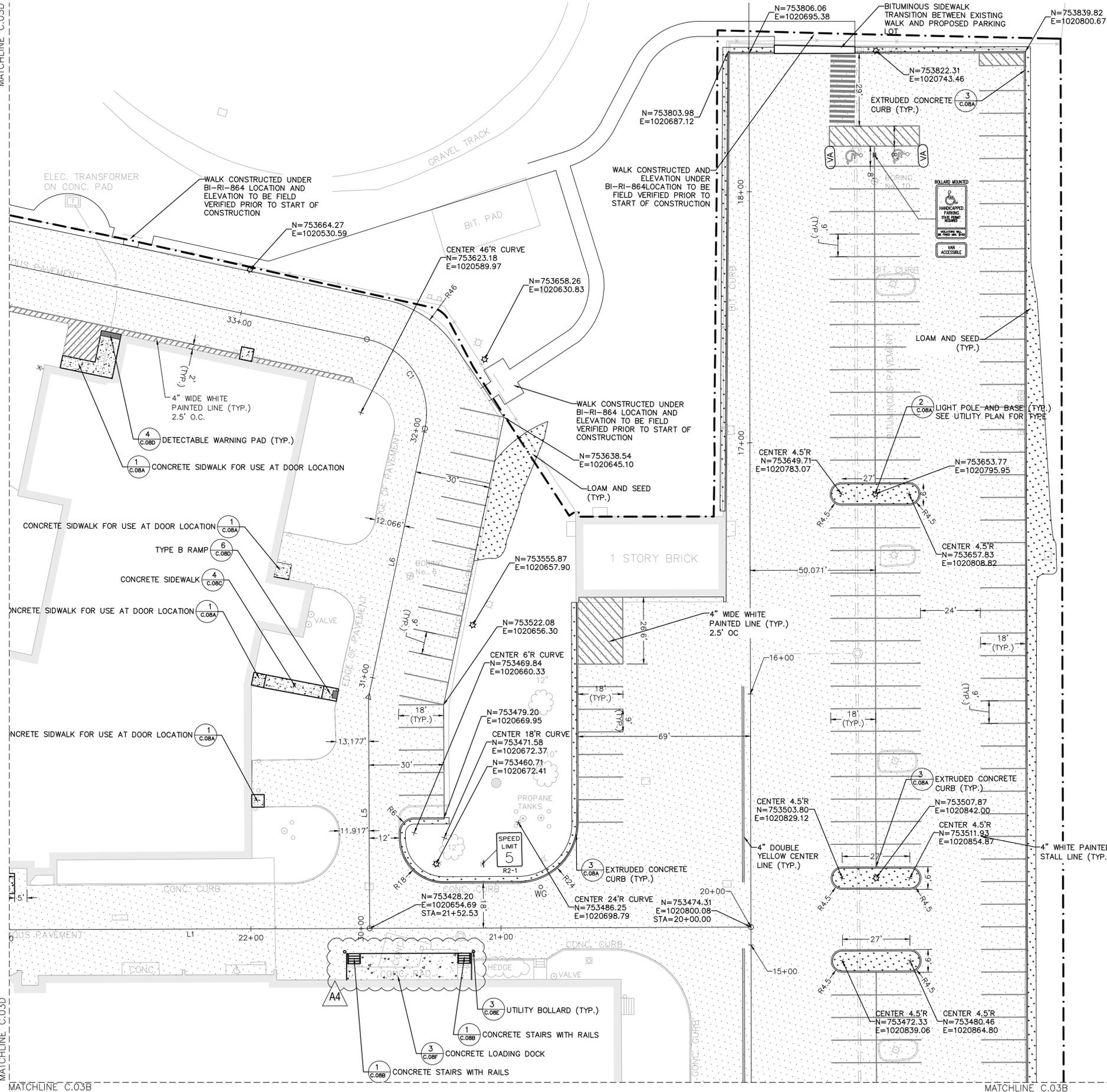
DANIELS STREET

STREET

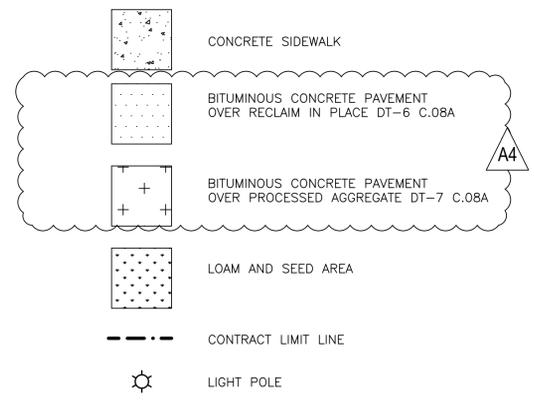
GREEN BRIAR CIRCLE

MATCHLINE C.03D

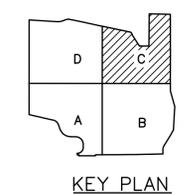
MATCHLINE C.03D



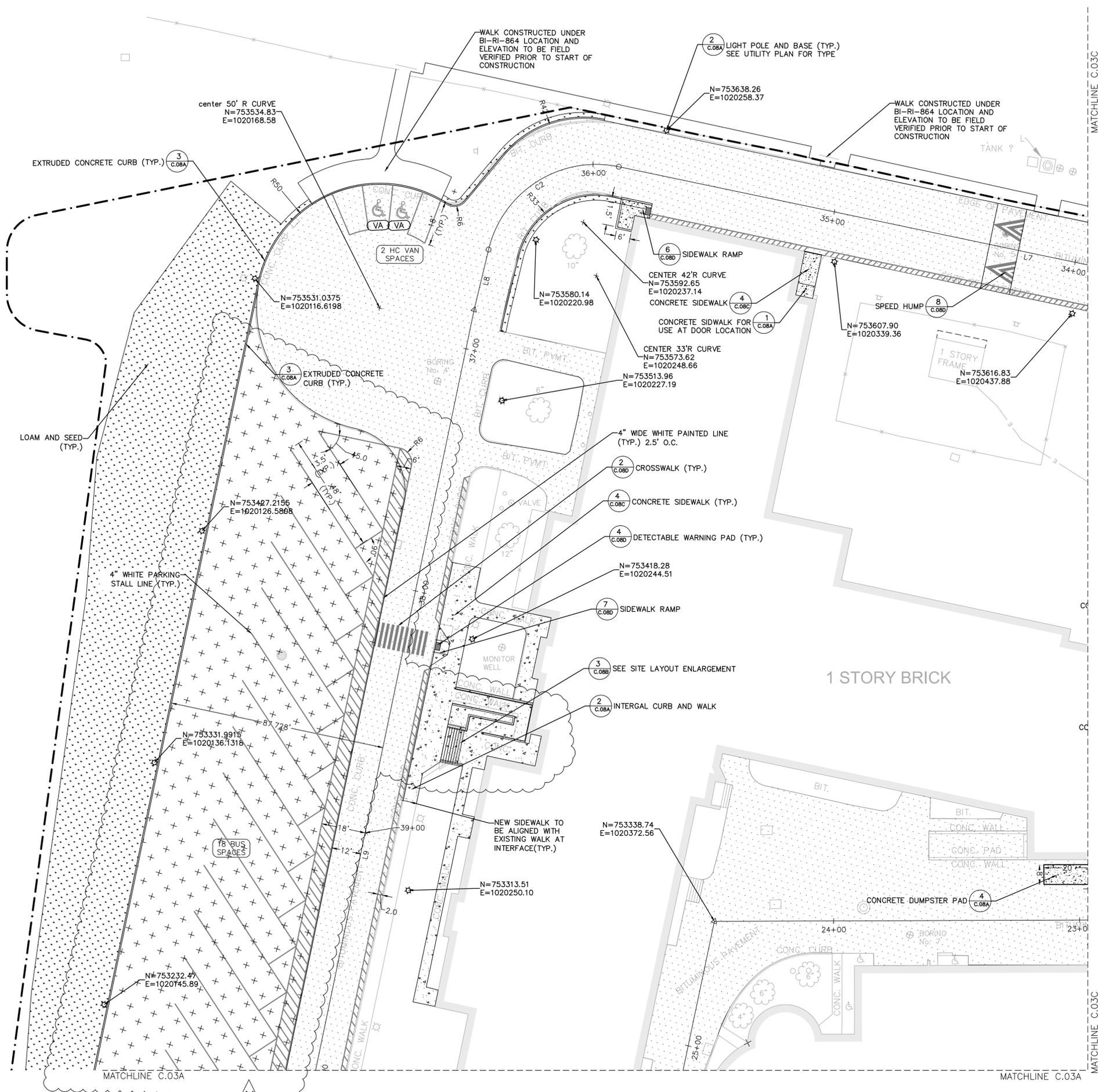
LEGEND



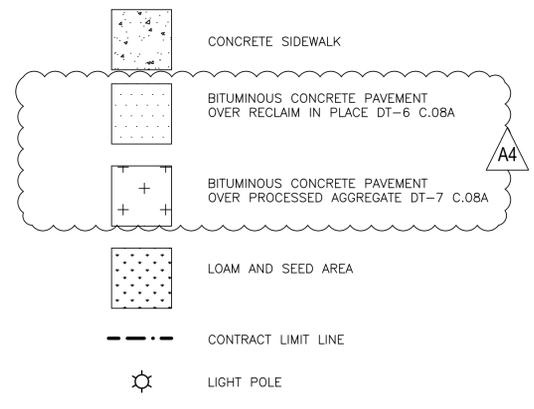
NOTE: SEE SIGN DETAILS ON SHEET C.08E



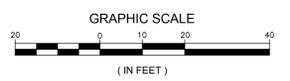
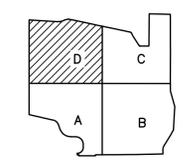
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LAYOUT PLAN			DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS				
mark	date	description	drawing prepared by	date
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project			drawn by	scale
VINYL TECHNICAL HIGH SCHOOL PAVING AND SITE IMPROVEMENTS MIDDLETOWN, CT			CJS	1"=20'
approved by			drawing no.	
MDE				
drawing no.				
CAD no. 13-378-LY.dwg			project no. BI-RT-873	C.03C



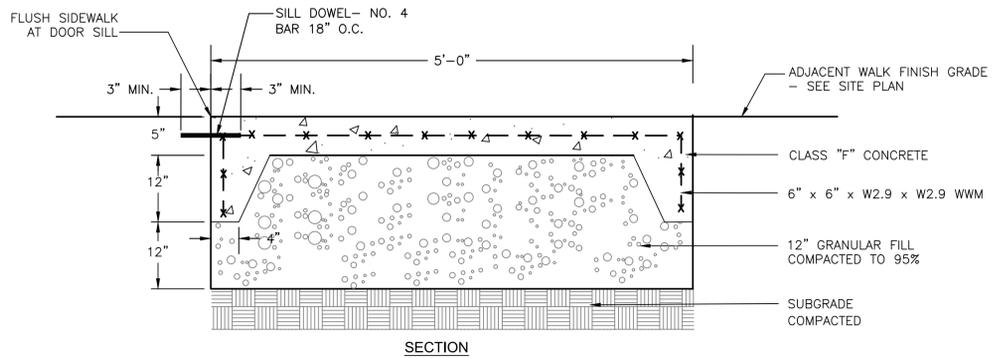
LEGEND



NOTE:
SEE SIGN DETAILS ON SHEET C.08E



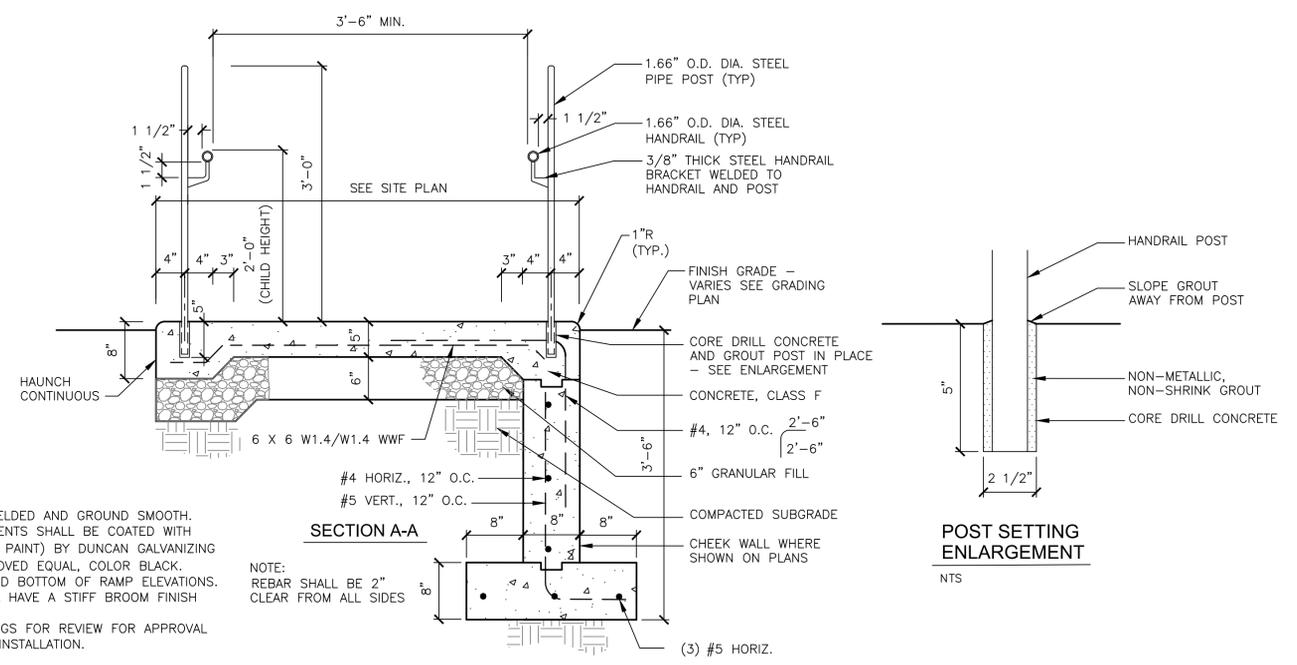
drawing title LAYOUT PLAN		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS		drawing prepared by DIVERSIFIED TECHNOLOGY CONSULTANTS 2321 WHITNEY AVENUE HAMDEN, CT	
mark	date	description	date
A4	04/04/16	ADD PAVEMENT OVER PROCESSED AGGREGATE BASE UPDATE HANDRAL LOCATIONS	12/11/2015
project		scale 1"=20'	
drawn by CJS		approved by MDE	
drawing no. C.03D		project no. BI-RT-873	
CAD no. 13-378-LY.dwg		drawing no.	



NOTE: WHERE ALL CONCRETE SIDEWALK ABUTS DOOR ENTRANCES AND BUILDING SIDEWALK SHALL BE PINNED

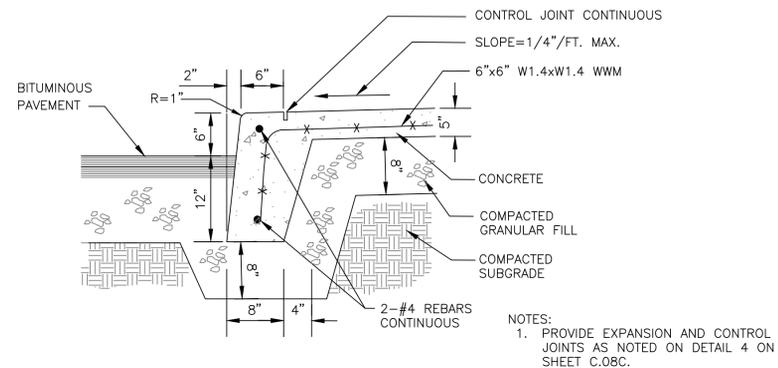
1 CONCRETE SIDEWALK FOR USE AT DOOR LOCATIONS
NTS

- NOTES:
1. ALL PIPE RAILING JOINTS SHALL BE WELDED AND GROUND SMOOTH.
 2. ALL HANDRAIL AND HANDRAIL COMPONENTS SHALL BE COATED WITH COLOR GALV (GALVANIZING, PRIMER AND PAINT) BY DUNCAN GALVANIZING (www.duncangalvanizing.com) OR APPROVED EQUAL, COLOR BLACK.
 3. REFER TO GRADING PLAN FOR TOP AND BOTTOM OF RAMP ELEVATIONS.
 4. RAMPS AND LANDING SURFACES SHALL HAVE A STIFF BROOM FINISH PERPENDICULAR TO TRAFFIC.
 5. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW FOR APPROVAL PRIOR TO HANDRAIL FABRICATION AND INSTALLATION.



NOTE: REBAR SHALL BE 2\"/>

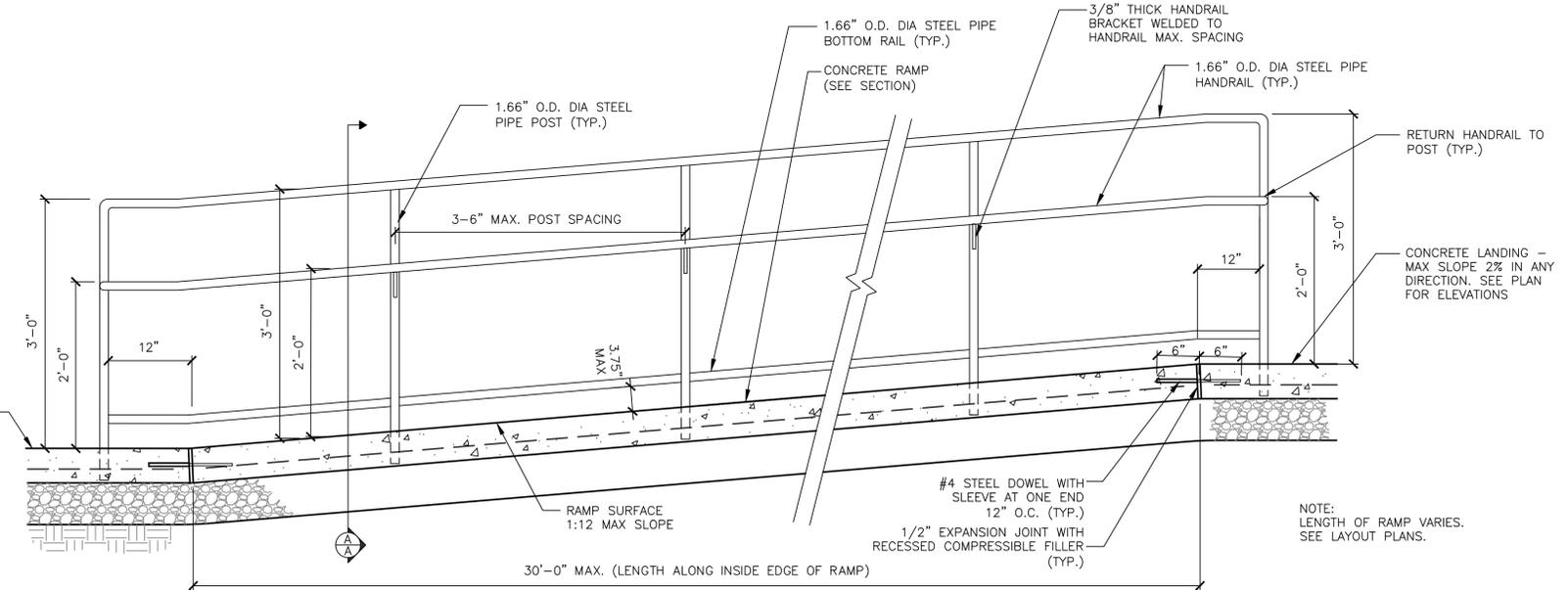
POST SETTING ENLARGEMENT
NTS



NOTES:

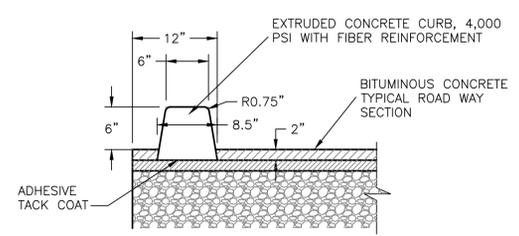
1. PROVIDE EXPANSION AND CONTROL JOINTS AS NOTED ON DETAIL 4 ON SHEET C.08C.

2 INTEGRAL CONCRETE CURB AND SIDEWALK
NTS

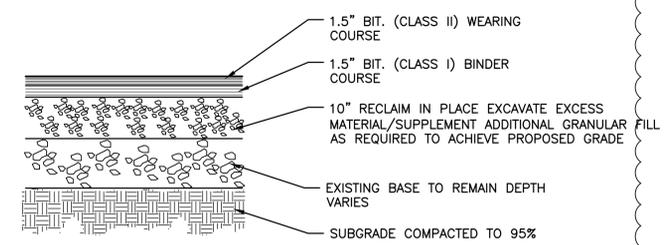


NOTE: LENGTH OF RAMP VARIES. SEE LAYOUT PLANS.

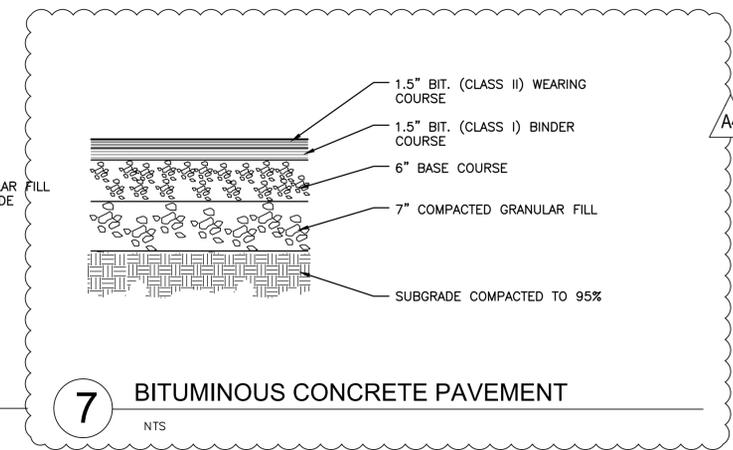
5 CONCRETE HANDICAPPED RAMP
NTS



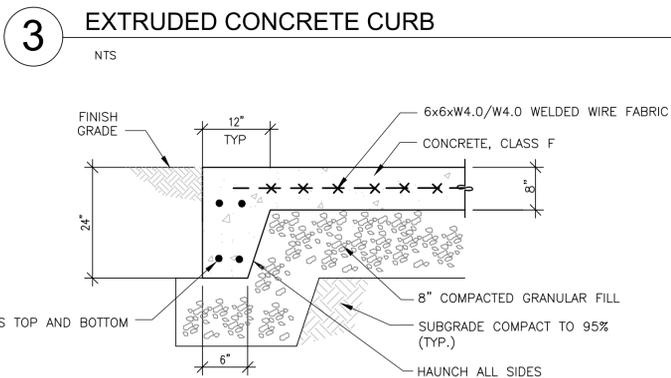
3 EXTRUDED CONCRETE CURB
NTS



6 BITUMINOUS CONCRETE PAVEMENT OVER RECLAIM IN PLACE
NTS

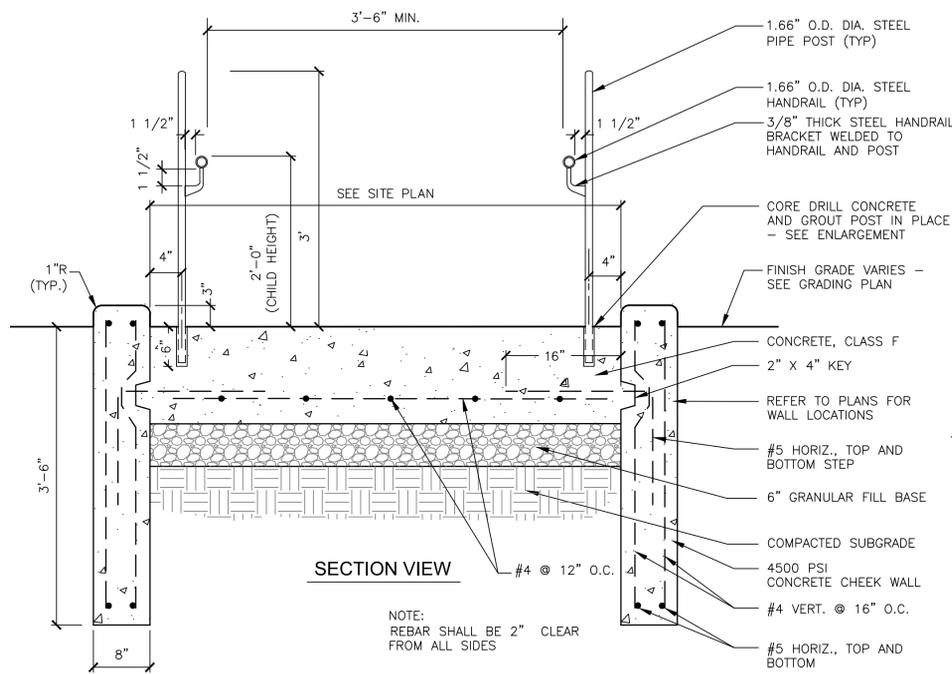


7 BITUMINOUS CONCRETE PAVEMENT
NTS



4 CONCRETE DUMPSTER PAD
NTS

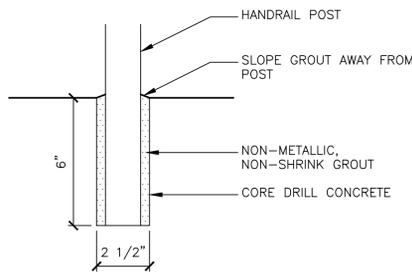
DRAWING TITLE			STATE OF CONNECTICUT	
DETAILS			DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS				
mark	date	description	drawing prepared by	date
A4	04/01/16	ADDENDUM 4 ADDED DETAIL 7	DIVERSIFIED TECHNOLOGY CONSULTANTS 2321 WHITNEY AVENUE HAMDEN, CT	12/11/2015
			project	scale
			VINAL TECHNICAL HIGH SCHOOL PAVING AND SITE IMPROVEMENTS MIDDLETOWN, CT	NTS
			drawn by	approved by
			CJS	MDE
			drawing no.	C.08A
CAD no.		project no.		
13-378-DT.dwg		BI-RT-873		



SECTION VIEW

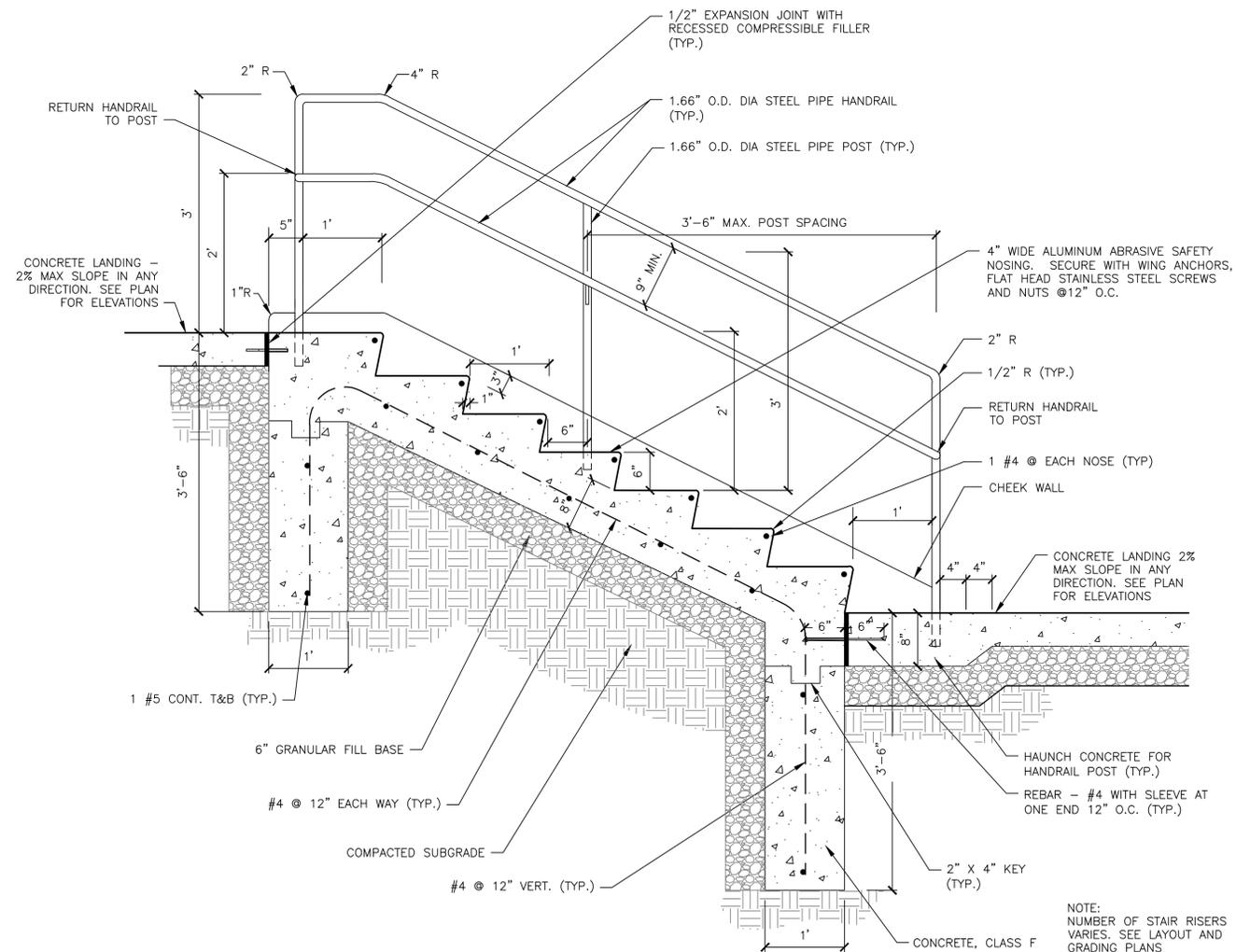
NOTE: REBAR SHALL BE 2\"/>

- NOTES:
1. ALL PIPE RAILING JOINTS SHALL BE WELDED AND GROUND SMOOTH.
 2. ALL HANDRAIL AND HANDRAIL COMPONENTS SHALL BE COATED WITH COLORGALV (GALVANIZING, PRIMER AND PAINT) BY DUNCAN GALVANIZING (www.duncangalvanizing.com) OR APPROVED EQUAL, COLOR BLACK.
 3. REFER TO GRADING PLAN FOR TOP AND BOTTOM OF STAIR ELEVATIONS.
 4. STAIR TREADS AND LANDING SURFACES SHALL HAVE A STIFF BROOM FINISH PERPENDICULAR TO TRAFFIC. STAIR RISERS SHALL HAVE A WOOD FLOAT FINISH.
 5. EACH TREAD SHOULD SLOPE ONE PERCENT FORWARD TO ASSURE DRAINAGE.
 6. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW FOR APPROVAL PRIOR TO HANDRAIL FABRICATION AND INSTALLATION.



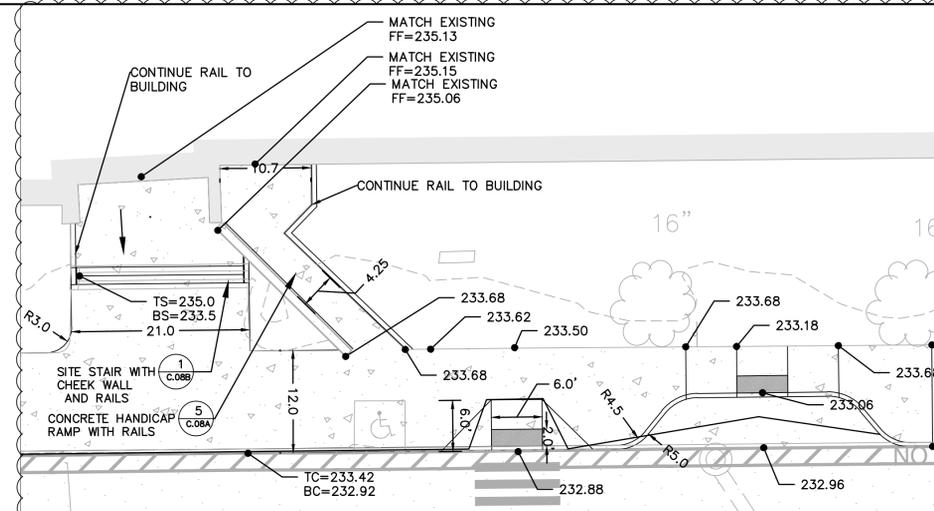
POST SETTING DETAIL

NTS



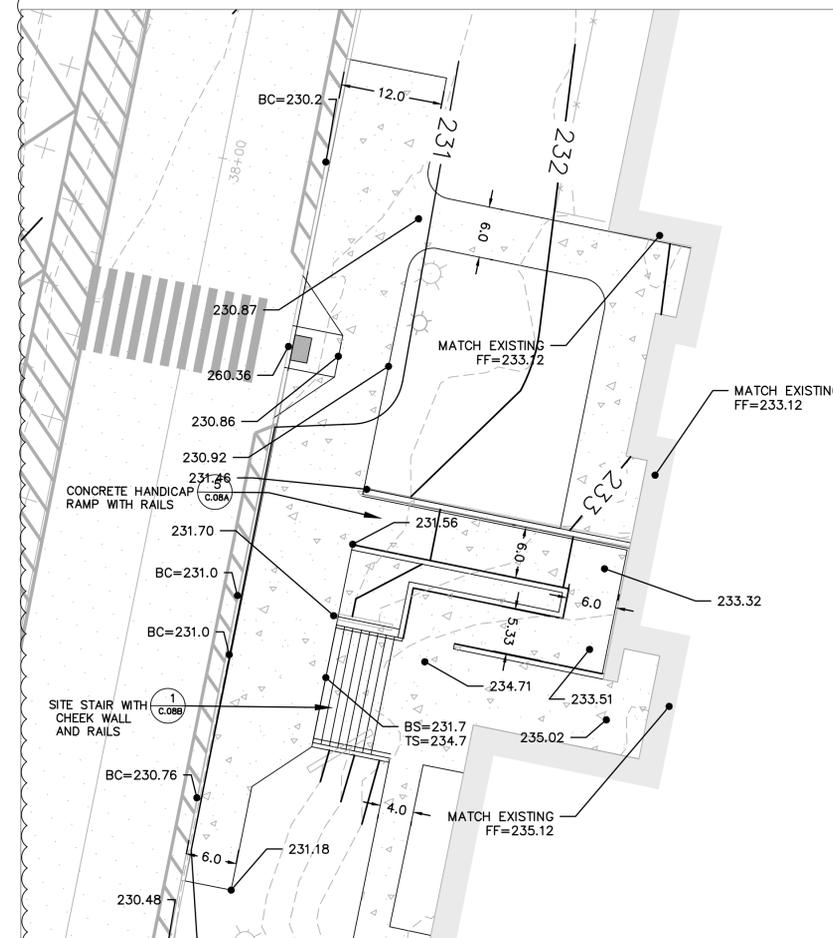
1 SITE STAIR WITH CHEEK WALL

NTS



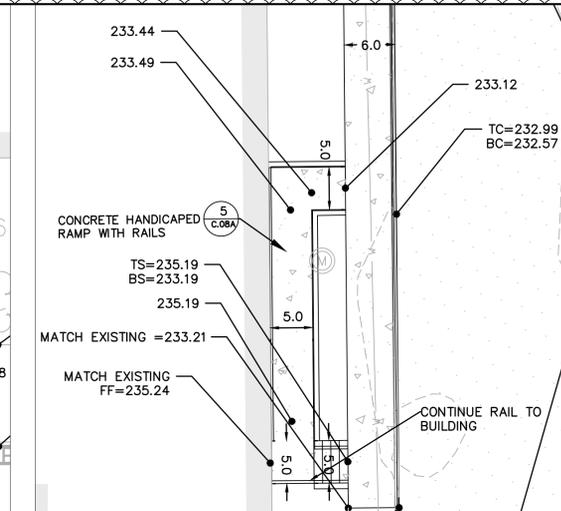
2 SITE LAYOUT ENLARGEMENT

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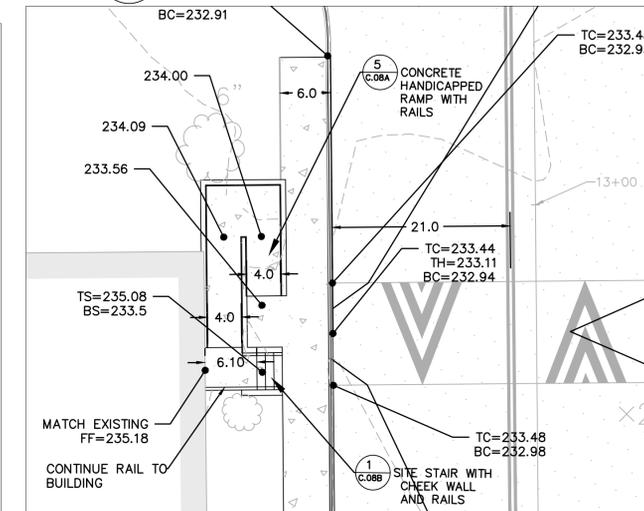
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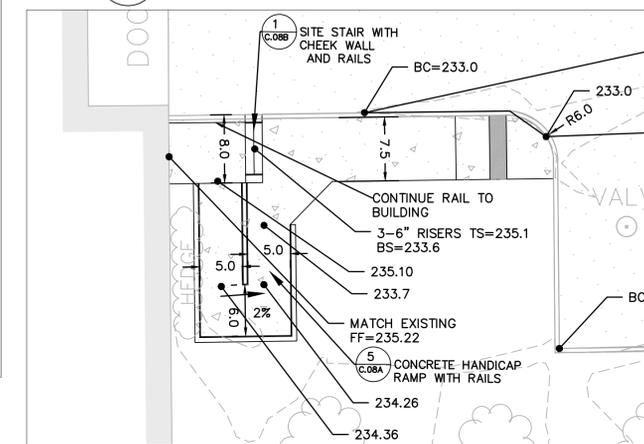
4 SITE LAYOUT ENLARGEMENT

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5 SITE LAYOUT ENLARGEMENT

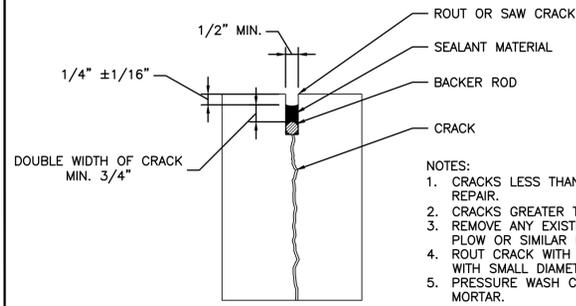
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6 SITE LAYOUT ENLARGEMENT

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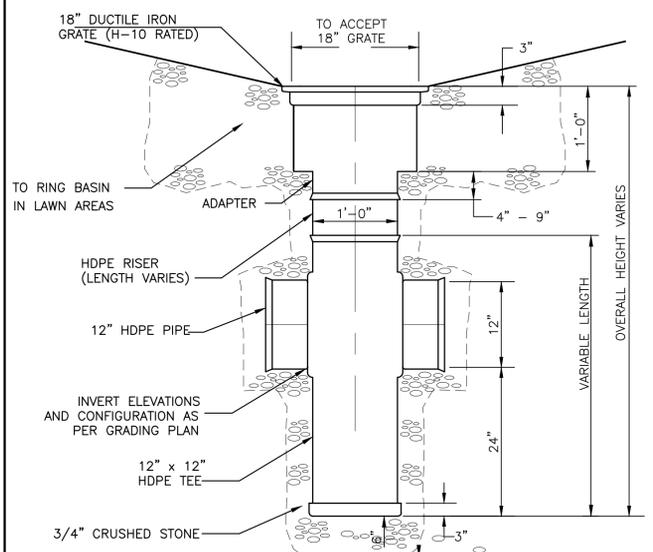
DRAWING TITLE			STATE OF CONNECTICUT	
DETAILS			DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS				
mark	date	description	drawing prepared by	date
A4	04/01/16	UPDATE HANDRAIL AND CHEEK WALL LOCATIONS	DIVERSIFIED TECHNOLOGY CONSULTANTS	12/11/2015
			2321 WHITNEY AVENUE HAMDEN, CT	scale: AS NOTED
			project	drawn by
			VINAL TECHNICAL HIGH SCHOOL PAVING AND SITE IMPROVEMENTS	CJS
			MIDDLETOWN, CT	approved by
				MDE
				drawing no.
				C.08B
CAD no. 13-378-DT.dwg		project no. BI-RT-873		



- NOTES:
1. CRACKS LESS THAN 1/4" WIDE WITH NO SPALLING DO NOT REQUIRE REPAIR.
 2. CRACKS GREATER THAN 1 1/2" WIDE MUST BE REBUILT AS A JOINT. REMOVE ANY EXISTING SEALANT AND BACK-UP MATERIAL WITH JOINT PLOW OR SIMILAR EQUIPMENT.
 3. ROUT CRACK WITH VERTICAL SPINDLE ROUTER OR A CONCRETE SAW WITH SMALL DIAMETER BLADE.
 4. PRESSURE WASH CRACK TO REMOVE ALL LOOSE DEBRIS AND CEMENT MORTAR.
 5. INSTALL BACKER ROD TO CRACKS GREATER THAN 3/4" WIDE.
 6. INSTALL SEALANT FROM BOTTOM UP TO 1/4" ± 1/16" FROM SURFACE.

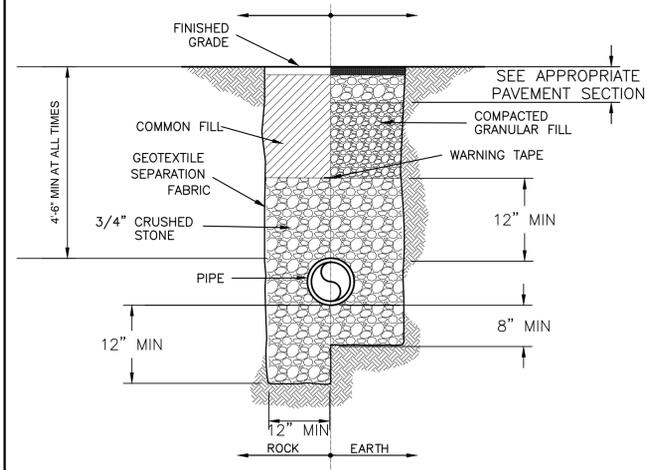
1 CRACK REPAIR

NTS



4 NYLOPLAST-ADS YARD DRAIN BASIN

NTS

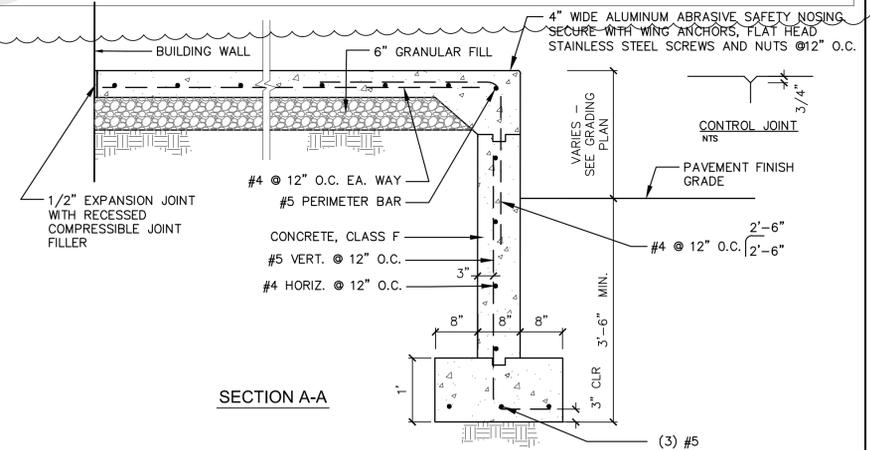
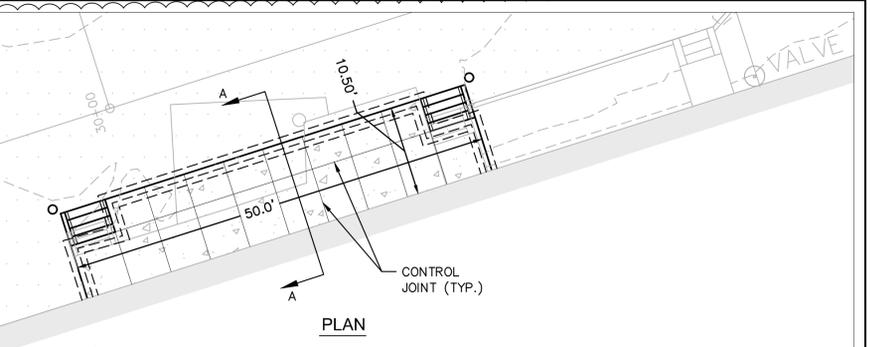
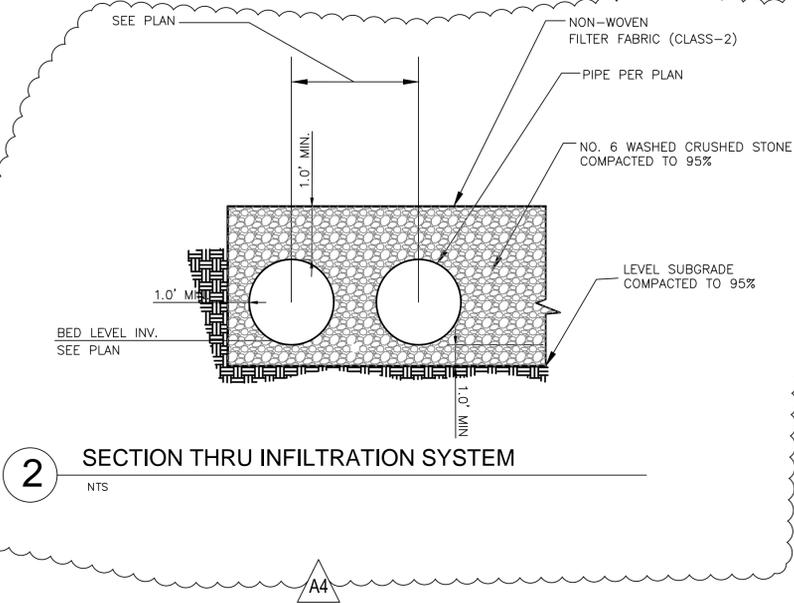


5 TYPICAL PIPE TRENCH DETAIL

NTS

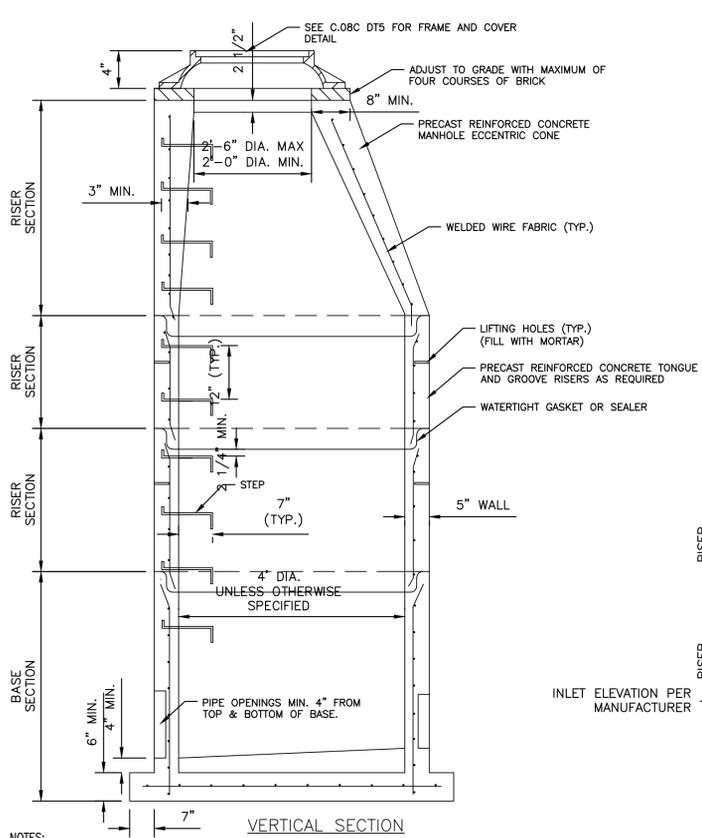
2 SECTION THRU INFILTRATION SYSTEM

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3 CONCRETE LOADING DOCK

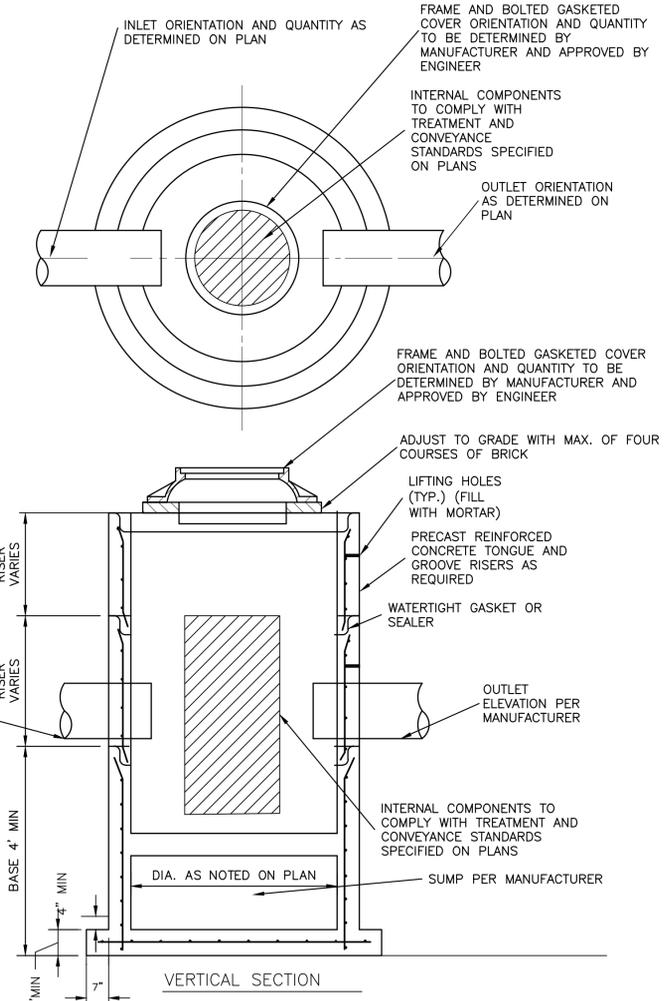
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- NOTES:
1. STEEL REINFORCING SHOWN IS SCHEMATIC. AREA OF REINFORCING STEEL AND CONCRETE COMPRESSIVE STRENGTH SHALL CONFORM TO A.S.T.M. SPECIFICATIONS C76 & C478.
 2. ALL LIFTING HOLES SHALL BE PLUGGED WITH TYPE 2 MORTAR.
 3. PROVIDE FLAT TOP IN PLACE OF CONE SECTION WHEN REQUIRED BY THE ENGINEER.
 4. 5" OR 6" DIA. PRECAST BASES MAY BE USED WHEN REQUIRED DUE TO SIZE OR NUMBER OF PIPES AT THE MANHOLE. PRECAST REDUCERS WILL BE PLACED ABOVE THE 5" AND 6" BASES AS DIRECTED BY THE ENGINEER. WALL THICKNESS TO INCREASE 1" FOR EACH 1' OF INSIDE DIAMETER INCREASE.

6 PRECAST CONCRETE MANHOLE

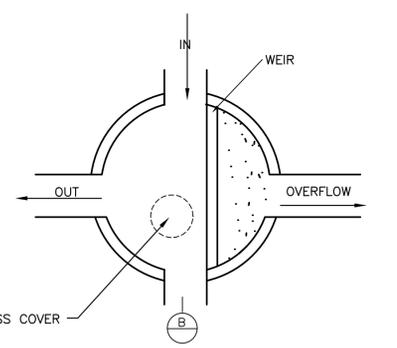
NTS



- NOTES:
1. STRUCTURE AND CASTINGS REQUIRED TO CONFORM TO AASHTO H20 LOADING
 2. FLEXIBLE PIPE CONNECTION PER MANUFACTURERS RECOMMENDATION

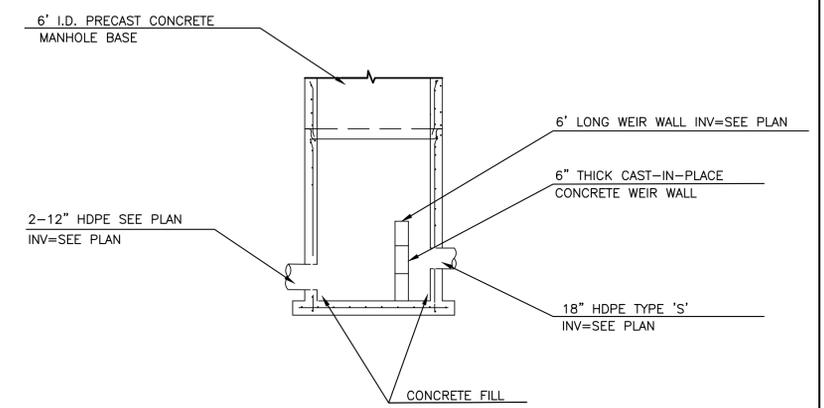
7 HYDRODYNAMIC SEPARATOR

NTS



8 DIVERSION STRUCTURE

NTS



REVISIONS			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
mark	date	description	drawing prepared by	date
A4	04/01/16	MODIFIED DETAIL 2 CHANGED PIPE FROM 24" TO 36" UPDATE HANDRAIL LOCATIONS	DIVERSIFIED TECHNOLOGY CONSULTANTS 2321 WHITNEY AVENUE HAMDEN, CT	12/11/2015
			project	scale
			VINAL TECHNICAL HIGH SCHOOL PAVING AND SITE IMPROVEMENTS MIDDLETOWN, CT	NTS
			drawn by	approved by
			CJS	MDE
			drawing no.	C.08F
CAD no. 13-378-DT.dwg		project no. BI-RT-873		

SECTION 311000 - SITE CLEARING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
- B. Geotechnical study prepared by Clarence Welti Associates, Inc. dated June 9, 2015.
- C. References to the Standard Specifications for this section shall mean the State of Connecticut Department of Transportation Standard Specifications for Roads, Bridges and Incidental Construction Form 816 supplemented and amended through the date of this project bid.
- D. 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, DEP Bulletin 34 or as amended through the date of this project bid.
- E. 2005 Connecticut State Building Code which includes 2003 International Building Code, 2009 Connecticut Supplement.
- F. 2010 ADA Standards for Accessible Design by the Department of Justice dated September 15, 2010 or as amended through the date of this project bid.

1.2 SUMMARY

- A. Section Includes:
 - 1. Protecting existing vegetation to remain.
 - 2. Removing existing vegetation.
 - 3. Clearing and grubbing.
 - 4. Stripping and stockpiling topsoil.
 - 5. Stripping and stockpiling rock.
 - 6. Removing above- and below-grade site improvements.
 - 7. Disconnecting, capping or sealing, and removing site utilities.
 - 8. Retain subparagraph below if erosion and sedimentation control are not included in Section 015000 "Temporary Facilities and Controls."
 - 9. Temporary erosion and sedimentation control. Stormwater Pollution Control Plan Vinal Technical High School Paving and Site Improvements Middletown, Connecticut BI-RT-873
 - 10. Connecticut Department of Energy and Environmental Protection Permit Application Transmittal Form
- B. Related Requirements:
 - 1. Section 015000 "Temporary Facilities and Controls" for temporary erosion- and sedimentation-control measures.
- C. Related Requirements:
 - 1. Section 01500 "Temporary Facilities and Controls" for temporary erosion- and sedimentation-control measures.

1.3 DEFINITIONS

- A. Subsoil: Soil beneath the level of subgrade; soil beneath the topsoil layers of a naturally occurring soil profile, typified by less than 1 percent organic matter and few soil organisms.
- B. Surface Soil: Soil that is present at the top layer of the existing soil profile. In undisturbed areas, surface soil is typically called "topsoil," but in disturbed areas such as urban environments, the surface soil can be subsoil.
- C. Topsoil: Top layer of the soil profile consisting of existing native surface topsoil or existing in-place surface soil; the zone where plant roots grow. Its appearance is generally friable, pervious, and black or a darker shade of brown, gray, or red than underlying subsoil; reasonably free of subsoil, clay lumps, gravel, and other objects larger than 2 inches in diameter; and free of weeds, roots, toxic materials, or other nonsoil materials.
- D. Plant-Protection Zone: Area surrounding individual trees, groups of trees, shrubs, or other vegetation to be protected during construction and indicated on Drawings.
- E. Tree-Protection Zone: Area surrounding individual trees or groups of trees to be protected during construction and indicated on Drawings.
- F. Vegetation: Trees, shrubs, groundcovers, grass, and other plants.

1.4 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.

1.5 MATERIAL OWNERSHIP

- A. Except for materials indicated to be stockpiled or otherwise remain Owner's property, cleared materials shall become Contractor's property and shall be removed from Project site.

1.6 INFORMATIONAL SUBMITTALS

- A. Existing Conditions: Documentation of existing trees and plantings, adjoining construction, and site improvements that establishes preconstruction conditions that might be misconstrued as damage caused by site clearing.
 - 1. Use sufficiently detailed photographs or video recordings.
 - 2. Include plans and notations to indicate specific wounds and damage conditions of each tree or other plant designated to remain.
- B. Topsoil stripping and stockpiling program.
- C. Rock stockpiling program.
- D. Record Drawings: Identifying and accurately showing locations of capped utilities and other subsurface structural, electrical, and mechanical conditions.
- E. Burning: Burning is NOT permitted.

1.7 QUALITY ASSURANCE

- A. Topsoil Stripping and Stockpiling Program: Prepare a written program to systematically demonstrate the ability of personnel to properly follow procedures and handle materials and equipment during the Work. Include dimensioned diagrams for placement and protection of stockpiles.

- B. Rock Stockpiling Program: Prepare a written program to systematically demonstrate the ability of personnel to properly follow procedures and handle materials and equipment during the Work. Include dimensioned diagrams for placement and protection of stockpiles.

1.8 FIELD CONDITIONS

- A. Traffic: Minimize interference with adjoining roads, streets, walks, and other adjacent occupied or used facilities during site-clearing operations.
 - 1. Do not close or obstruct streets, walks, or other adjacent occupied or used facilities without permission from Owner and authorities having jurisdiction.
 - 2. Provide alternate routes around closed or obstructed trafficways if required by Owner or authorities having jurisdiction.
- B. Salvageable Improvements: Carefully remove items indicated to be salvaged and store on Owner's premises where indicated.
- C. Utility Locator Service: Notify Call Before You Dig for area where Project is located before site clearing.
- D. Do not commence site clearing operations until temporary erosion- and sedimentation-control and plant-protection measures are in place.
- E. Tree- and Plant-Protection Zones: Protect according to requirements noted on the project plans.
- F. Soil Stripping, Handling, and Stockpiling: Perform only when the soil is dry or slightly moist.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Satisfactory Soil Material: Requirements for satisfactory soil material are specified in Section 312000 "Earth Moving."
 - 1. Obtain approved borrow soil material off-site when satisfactory soil material is not available on-site.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Protect and maintain benchmarks and survey control points from disturbance during construction.
- B. Verify that trees, shrubs, and other vegetation to remain or to be relocated have been flagged and that protection zones have been identified and enclosed.
- C. Protect existing site improvements to remain from damage during construction.
 - 1. Restore damaged improvements to their original condition, as acceptable to Owner.

3.2 TEMPORARY EROSION AND SEDIMENTATION CONTROL

- A. Provide temporary erosion- and sedimentation-control measures to prevent soil erosion and discharge of soil-bearing water runoff or airborne dust to adjacent properties and walkways, according to erosion- and sedimentation-control Drawings and requirements of authorities having jurisdiction.

- B. Verify that flows of water redirected from construction areas or generated by construction activity do not enter or cross protection zones.
- C. Inspect, maintain, and repair erosion- and sedimentation-control measures during construction until permanent vegetation has been established.
- D. Remove erosion and sedimentation controls, and restore and stabilize areas disturbed during removal.

3.3 TREE AND PLANT PROTECTION

- A. Protect trees and plants remaining on-site by installing a tree protection zone where indicated on plan
 - 1. Lowering Grade within Protection Zone: Where new finish grade is indicated below existing grade around trees, slope grade away from trees as recommended by arborist unless otherwise indicated.
 - 2. Root Pruning: Prune tree roots exposed by lowering the grade. Do not cut main lateral roots or taproots; cut only smaller roots. Cut roots as required for root pruning.
 - 3. Raising Grade: Where new finish grade is indicated above existing grade around trees, slope grade beyond the protection zone. Maintain existing grades within the protection zone.
 - 4. Minor Fill within Protection Zone: Where existing grade is 2 inches or less below elevation of finish grade, fill with backfill soil. Place backfill soil in a single uncompacted layer and hand grade to required finish elevations.
- B. General: Repair or replace trees, shrubs, and other vegetation indicated to remain or to be relocated that are damaged by construction operations, in a manner approved by Landscape Architect.
 - 1. Submit details of proposed pruning and repairs.
 - 2. Perform repairs of damaged trunks, branches, and roots within 24 hours according to arborist's written instructions.
 - 3. Replace trees and other plants that cannot be repaired and restored to full-growth status, as determined by Landscape Architect.
 - 4. Soil Aeration: Where directed by Landscape Architect, aerate surface soil compacted during construction

3.4 EXISTING UTILITIES

- A. Owner will arrange for disconnecting and sealing indicated utilities that serve existing structures before site clearing, when requested by Contractor.
 - 1. Verify that utilities have been disconnected and capped before proceeding with site clearing.
- B. Locate, identify, disconnect, and seal or cap utilities indicated to be removed or abandoned in place.
 - 1. Arrange with utility companies to shut off indicated utilities.
 - 2. Owner will arrange to shut off indicated utilities when requested by Contractor.
- C. Locate, identify, and disconnect utilities indicated to be abandoned in place.
- D. Interrupting Existing Utilities: Do not interrupt utilities serving facilities occupied by Owner or others, unless permitted under the following conditions and then only after arranging to provide temporary utility services according to requirements indicated:
 - 1. Do not proceed with utility interruptions without Landscape Architect's written permission.

- E. Excavate for and remove underground utilities indicated to be removed.
- F. Removal of underground utilities is included in earthwork sections; in applicable fire suppression, plumbing, HVAC, electrical, communications, electronic safety and security, and utilities sections; and in Section 024116 "Structure Demolition".

3.5 CLEARING AND GRUBBING

- A. Remove obstructions, trees, shrubs, and other vegetation to permit installation of new construction.
 - 1. Do not remove trees, shrubs, and other vegetation indicated to remain or to be relocated.
 - 2. Grind down stumps and remove roots larger than 2 inches in diameter, obstructions, and debris to a depth of 18 inches below exposed subgrade.
 - 3. Use only hand methods or air spade for grubbing within protection zones.
 - 4. Chip removed tree branches and dispose of off-site.
- B. Fill depressions caused by clearing and grubbing operations with satisfactory soil material unless further excavation or earthwork is indicated.
 - 1. Place fill material in horizontal layers not exceeding a loose depth of 8 inches, and compact each layer to a density equal to adjacent original ground.

3.6 TOPSOIL STRIPPING

- A. Remove sod and grass before stripping topsoil.
- B. Strip topsoil to depth of 6 inches in a manner to prevent intermingling with underlying subsoil or other waste materials.
 - 1. Remove subsoil and nonsoil materials from topsoil, including clay lumps, gravel, and other objects larger than 2 inches in diameter; trash, debris, weeds, roots, and other waste materials.
- C. Stockpile topsoil away from edge of excavations without intermixing with subsoil or other materials. Grade and shape stockpiles to drain surface water. Cover to prevent windblown dust and erosion by water.
 - 1. Limit height of topsoil stockpiles to 72 inches.
 - 2. Do not stockpile topsoil within protection zones.
 - 3. Dispose of surplus topsoil. Surplus topsoil is that which exceeds quantity indicated to be stockpiled or reused.
 - 4. Stockpile surplus topsoil to allow for respreading deeper topsoil.

3.7 STOCKPILING ROCK

- A. Remove from construction area naturally formed rocks that measure more than 1 foot across in least dimension. Do not include excavated or crushed rock.
 - 1. Separate or wash off non-rock materials from rocks, including soil, clay lumps, gravel, and other objects larger than 2 inches in diameter; trash, debris, weeds, roots, and other waste materials.
- B. Stockpile rock without intermixing with other materials. Cover to prevent windblown debris from accumulating among rocks.
 - 1. Limit height of rock stockpiles to 72 inches.
 - 2. Do not stockpile rock within protection zones.
 - 3. Dispose of surplus rock. Surplus rock is that which exceeds quantity indicated to be stockpiled or reused.

3.8 SITE IMPROVEMENTS

- A. Remove existing above- and below-grade improvements as indicated and necessary to facilitate new construction.
- B. Remove slabs, paving, curbs, gutters, and aggregate base as indicated.
 - 1. Unless existing full-depth joints coincide with line of demolition, neatly saw-cut along line of existing pavement to remain before removing adjacent existing pavement. Saw-cut faces vertically.
 - 2. Paint cut ends of steel reinforcement in concrete to remain with two coats of antirust coating, following coating manufacturer's written instructions. Keep paint off surfaces that will remain exposed.

3.9 DISPOSAL OF SURPLUS AND WASTE MATERIALS

- A. Remove surplus soil material, unsuitable topsoil, obstructions, demolished materials, and waste materials including trash and debris, and legally dispose of them off Owner's property.
- B. Burning tree, shrub, and other vegetation waste is NOT permitted. Burning of other waste and debris is also prohibited.
- C. Separate recyclable materials produced during site clearing from other nonrecyclable materials. Store or stockpile without intermixing with other materials, and transport them to recycling facilities. Do not interfere with other Project work.

**End
Section 01 10 00**

Stormwater Pollution Control Plan

Vinal Technical High School Paving and Site Improvements

Middletown, Connecticut

BI-RT-873

Issued October 2, 2015



ENGINEER

CONSULT

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Table of Contents

1. SITE PLAN	3
2. SITE DESCRIPTION	3
3. CONSTRUCTION SEQUENCING	3
4. STORMWATER CONTROL MEASURES.....	4
4.1. EROSION AND SEDIMENT CONTROLS	4
4.1.1. SILT FENCE PERIMETER CONTROL.....	4
4.1.2. SOIL STOCKPILES.....	5
4.1.3. INLET PROTECTION	5
4.1.4. PERMANENT PLANTING.....	5
4.2. POST CONSTRUCTION STORMWATER MANAGEMENT	5
4.2.1. SUSPENDED SOLIDS AND FLOATABLES REMOVAL.....	5
4.3. OTHER CONTROLS.....	6
4.3.1. WASTE DISPOSAL.....	6
4.3.2. WASHOUT AREAS.....	6
4.3.3. OFF-SITE VEHICLE TRACKING.....	6
4.3.4. DUST CONTROL.....	6
4.3.5. CHEMICAL AND PETROLEUM STORAGE	6
5. RUNOFF REDUCTION AND LOW IMPACT DEVELOPMENT (LID) INFORMATION.....	7
6. INSPECTIONS	7
6.1. PLAN IMPLEMENTATION INSPECTIONS	7
6.2. ROUTINE INSPECTIONS.....	7
6.2.1. PROCEDURE	7
6.2.2. QUALIFIED INSPECTOR	7
6.2.3. REPORT PREPARATION	8
6.3. KEEPING THE PLAN CURRENT BASED ON INSPECTIONS.....	8
7. MONITORING	8
7.1. SAMPLE COLLECTION PROCEDURE	8
7.2. SAMPLE LOCATIONS.....	9
7.3. SUBMISSION OF STORMWATER MONITORING REPORTS	9
8. CONTRACTORS.....	9
9. RECORD KEEPING REQUIREMENTS.....	9
10. TERMINATION REQUIREMENTS.....	9
APPENDIX A - GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER AND DEWATERING WASTEWATERS FROM CONSTRUCTION ACTIVITIES	11
APPENDIX B – GENERAL PERMIT REGISTRATION.....	12
APPENDIX C – PLAN IMPLEMENTATION INSPECTION FORM.....	13

APPENDIX D – ROUTINE INSPECTION FORM AND SAMPLE STORMWATER MONITORING REPORTS	14
APPENDIX E – SITE PLAN AND RELEVANT PLANS FROM THE CONSTRUCTION DOCUMENTS.....	15
APPENDIX F – SUPPORTING CALCULATIONS	16
APPENDIX G – NOTICE OF TERMINATION FORM	17
APPENDIX H– CONTRACTOR CERTIFICATION	18
APPENDIX I – CERTIFICATION OF DOCUMENTS	19

1. SITE PLAN

Refer to site plan included with Appendix E.

2. SITE DESCRIPTION

Nature of the construction activity:

Construction activities include the replacement of existing sidewalks and bituminous parking areas and the creation of approximately 28,000 SF of impervious parking area to create a bus staging area. The total project will disturb approximately 6 acres of pavement sidewalk and lawn area. There are no wetlands on the site and no construction will take place within wetland setback areas. Storm water from the existing site discharges into the City of Middletown’s storm water system and before discharging into Laurel Brook. The proposed additional parking area impervious will drain into new underground detention sized to reduce peak run off from the site.

The project is scheduled to begin 2016 with an estimated construction duration of 3 months

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, remove off site.
10. 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.
11. Make all cuts and fills required. Establish the subgrade for the topsoil areas, sidewalks, parking and roadway as required.
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. Prepare sub-base, slopes, parking areas, shoulder areas, roads, sidewalks, and any other area of disturbance for final grading.
14. Install drainage structures and pipe.
15. Install process aggregate in roads and parking areas.
16. Place topsoil where required. Complete the perimeter landscape plantings.
17. Fine grade, rake, seed and mulch to within 2 feet of the curbing.
18. Install first course of paving.
19. When all other work has been completed, repair and sweep all paved areas for the final course of paving. Inspect the drainage system and clean as needed.
20. Install final course of pavement.
21. Install pavement marking and signage.
22. 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. 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.

4.1.4. 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 Vinal Technical High School Paving and Site Improvements project can be categorized as “other development project with an existing effective impervious cover of less than 40 percent” as described in Section 5(b)(2)(C)(i)(a) of the General Permit.

A detention system was incorporated to reduce peak runoff within the area of the additional impervious parking surface. A retention system sized to retain and infiltrate the WQV was initially considered but deemed unfeasible due to high groundwater elevations and poor infiltrative capacity of native silty soils (NRCS Class C & D).

4.2.1. Suspended Solids and Floatables Removal

New catch basins in the new bus parking area will be fitted with hoods to assist in floatable and TSS removal. Storm water collected in the bus staging area 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, 400 L.F of 36" pipe will be installed in crushed stone . Stormwater will also be pre-treated using catch basin hoods and gross particle separator.

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.

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 6 samples (3 samples at 2 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 existing 24" concrete storm line at the catch basin to the north east of the school in the existing fields and existing 18" concrete storm line before to the north west of the school in the existing fields. Both 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

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:

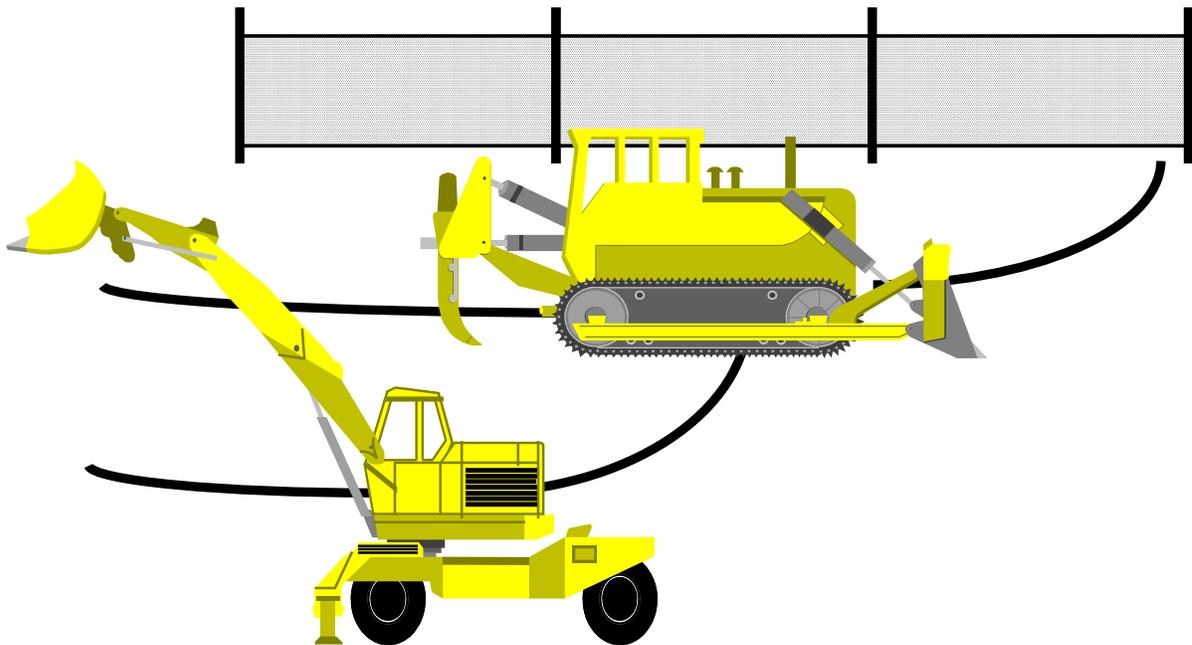
CENTRAL PERMITS PROCESSING UNIT
BUREAU OF MATERIALS MANAGEMENT & COMPLIANCE ASSURANCE
DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127

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.

APPENDIX A - General Permit for the Discharge of Stormwater and
Dewatering Wastewaters from Construction Activities

General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities



Issuance Date: August 21, 2013
Effective Date: October 1, 2013

Printed on recycled paper

General Permit for Discharge of Stormwater and Dewatering Wastewaters from Construction Activities

Table of Contents

Section 1.	Authority	4
Section 2.	Definitions	4
Section 3.	Authorization Under This General Permit	9
	(a) Eligible Activities	9
	(b) Requirements for Authorization	9
	(c) Registration.....	15
	(d) Small Construction	17
	(e) Geographic Area	17
	(f) Effective Date and Expiration Date of this General Permit.....	17
	(g) Effective Date of Authorization.....	17
	(h) Revocation of an Individual Permit	18
	(i) Issuance of an Individual Permit.....	18
Section 4.	Registration Requirements	18
	(a) Who Must File a Registration	18
	(b) Scope of Registration.....	18
	(c) Contents of Registration	18
	(d) Where to File a Registration	23
	(e) Availability of Registration and Plan.....	23
	(f) Additional Information	24
	(g) Additional Notification	24
	(h) Action by Commissioner	24
	(i) Transition to New General Permit	24
	(j) Latest Date to Submit a Registration Under this General Permit	25
Section 5.	Conditions of this General Permit	25
	(a) Conditions Applicable to Certain Discharges.....	25
	(b) Stormwater Pollution Control Plan.....	26
	(c) Monitoring	38
	(d) Reporting and Record Keeping Requirements.....	41
	(e) Regulations of Connecticut State Agencies Incorporated into this General Permit	42
	(f) Reliance on Registration	42
	(g) Duty to Correct and Report Violations	42
	(h) Duty to Provide Information.....	42
	(i) Certification of Documents.....	42
	(j) Date of Filing	42
	(k) False Statements	43
	(l) Correction of Inaccuracies	43
	(m) Transfer of Authorization	43
	(n) Reopener	43
	(o) Other Applicable Law.....	43
	(p) Other Rights.....	43
Section 6.	Termination Requirements.....	44
	(a) Notice of Termination.....	44

	(b) Termination Form.....	44
	(c) Where to File a Termination Form	45
Section 7.	Commissioner's Powers	45
	(a) Abatement of Violations	45
	(b) General Permit Revocation, Suspension, or Modification.....	45
	(c) Filing of an Individual Application.....	45
Appendix A	Endangered and Threatened Species	
Appendix B	Low Impact Development Guidance Information and Fact Sheet	
Appendix C	Aquifer Protection Guidance Information	
Appendix D	Coastal Management Act Determination Form	
Appendix E	Conservation Districts of Connecticut	
Appendix F	Memorandum of Agreement Between DEEP and Conservation Districts	
Appendix G	Historic Preservation Review	
Appendix H	Wild & Scenic Rivers Guidance	

General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities

Section 1. Authority

This general permit is issued under the authority of section 22a-430b of the Connecticut General Statutes.

Section 2. Definitions

The definitions of terms used in this general permit shall be the same as the definitions contained in section 22a-423 of the Connecticut General Statutes and section 22a-430-3(a) of the Regulations of Connecticut State Agencies. As used in this general permit, the following definitions shall apply:

“x-year, 24-hour rainfall event” means the maximum 24-hour precipitation event with a probable recurrence interval of once in the given number of years (i.e. x=2, 25 or 100), as defined by the National Weather Service in Technical Paper Number 40, “Rainfall Frequency Atlas of the United States,” May 1961, and subsequent amendments, or equivalent regional or state rainfall probability information developed therefrom.

“Annual sediment load” means the total amount of sediment carried by stormwater runoff on an annualized basis.

“Aquifer protection area” means aquifer protection area as defined in section 22a-354h of the Connecticut General Statutes.

“Best engineering practices” means the design of engineered control measures to control pollution to the maximum extent achievable using measures that are technologically available and economically practicable.

“CFR” means the Code of Federal Regulations.

“Coastal area” means coastal area as defined in section 22a-93(3) of the Connecticut General Statutes.

“Coastal waters” means coastal waters as defined in section 22a-93(5) of the Connecticut General Statutes.

“Commissioner” means commissioner as defined in section 22a-2(b) of the Connecticut General Statutes.

“Construction activity” means any activity associated with construction at a site including, but not limited to, clearing and grubbing, grading, excavation, and dewatering.

“Department” means the Department of Energy & Environmental Protection.

“Developer” means a person who or municipality which is responsible, either solely or partially through contract, for the design and construction of a project site.

“Dewatering wastewater” means wastewater associated with the construction activity generated from the lowering of the groundwater table, the pumping of accumulated stormwater or uncontaminated groundwater from an excavation, the pumping of surface water from a cofferdam, or pumping of other surface water that has been diverted into a construction site.

“District” means a soil and water conservation district established pursuant to section 22a-315 of the Connecticut General Statutes. Appendix E lists the Districts, their geographic delineations, and contact information.

“*Disturbance*” means the execution of any of the construction activity(ies) defined in this general permit.

“*Effective Impervious Cover*” is the total area of a site with a Rational Method runoff coefficient of 0.7 or greater (or other equivalent methodology) from which stormwater discharges directly to a surface water or to a storm sewer system.

“*Engineered stormwater management system*” means any control measure and related appurtenances which requires engineering analysis and/or design by a professional engineer.

“*Erosion*” means the detachment and movement of soil or rock fragments by water, wind, ice and gravity.

“*Fresh-tidal wetland*” means a tidal wetland with an average salinity level of less than 0.5 parts per thousand.

“*Grab sample*” means an individual sample collected in less than fifteen minutes.

“*Groundwater*” means those waters of the state that naturally exist or flow below the surface of the ground.

“*Guidelines*” means the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, established pursuant to section 22a-328 of the Connecticut General Statutes.

“*High Quality Waters*” means those waters defined as high quality waters in the Connecticut Water Quality Standards published by the Department, as may be amended.

“*Impaired water(s)*” means those surface waters of the state designated by the commissioner as impaired pursuant to Section 303(d) of the Clean Water Act and as identified in the most recent State of Connecticut Integrated Water Quality Report.

“*In Responsible charge*” means professional experience for which the Commissioner determines that a professional’s primary duties consistently involve a high level of responsibility and decision making in the planning and designing of engineered stormwater management systems or in the planning and designing of soil erosion and sediment controls for residential and commercial construction projects. The Commissioner shall consider the following in determining whether a professional’s experience qualifies as responsible charge experience:

- (i) the level of independent decision-making exercised;
- (ii) the number of individuals and the disciplines of the other professionals that the professional supervised or coordinated;
- (iii) the extent to which a professional’s responsibilities consistently involved the review of work performed by other professionals involved the planning and designing of engineered stormwater management systems or the planning and designing of soil erosion and sediment controls for residential and commercial construction projects;
- (iv) the extent to which a professional’s responsibilities consistently involved the planning and designing of engineered stormwater management systems or the planning and designing of soil erosion and sediment controls for residential and commercial construction projects and whether such responsibilities were an integral and substantial component of the professional’s position;
- (v) the nature of a professional’s employer’s primary business interests and the relation of those interests to planning and designing of engineered stormwater management systems or to planning and designing of soil erosion and sediment controls for residential and commercial construction projects;

- (vi) the extent to which a professional has engaged in the evaluation and selection of scientific or technical methodologies for planning and designing of engineered stormwater management systems or for planning and designing of soil erosion and sediment controls for residential and commercial construction projects;
- (vii) the extent to which a professional drew technical conclusions, made recommendations, and issued opinions based on the results of planning and designing of engineered stormwater management systems or of planning and designing of soil erosion and sediment controls for residential and commercial construction projects; or
- (viii) any other factor that the Commissioner deems relevant.

“*Individual permit*” means a permit issued to a specific permittee under section 22a-430 of the Connecticut General Statutes.

“*Inland wetland*” means wetlands as defined in section 22a-38 of the Connecticut General Statutes.

“*Landscape Architect*” means a person with a currently effective license issued in accordance with chapter 396 of the Connecticut General Statutes.

“*Linear Project*” includes the construction of roads, railways, bridges, bikeways, conduits, substructures, pipelines, sewer lines, towers, poles, cables, wires, connectors, switching, regulating and transforming equipment and associated ancillary facilities in a long, narrow area.

“*Locally approvable project*” means a construction activity for which the registration is not for a municipal, state or federal project and is required to obtain municipal approval for the project.

“*Locally exempt project*” means a construction activity for which the registration is for a project authorized under municipal, state or federal authority and may not be required to obtain municipal approval for the project.

“*Low Impact Development*” or “*LID*” means a site design strategy that maintains, mimics or replicates pre-development hydrology through the use of numerous site design principles and small-scale treatment practices distributed throughout a site to manage runoff volume and water quality at the source.

“*Minimize*”, for purposes of implementing the control measures in Section 5(b)(2) of this general permit, means to reduce and/or eliminate to the extent achievable using control measures that are technologically available and economically practicable and achievable in light of best industry practice.

“*Municipal separate storm sewer system*” or “*MS4*” means conveyances for stormwater (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels or storm drains) owned or operated by any municipality and discharging to surface waters of the state.

“*Municipality*” means a city, town or borough of the state as defined in section 22a-423 of the Connecticut General Statutes.

“*Nephelometric Turbidity Unit*” or “*NTU*” means a unit measure of turbidity from a calibrated nephelometer.

“*Normal Working Hours*”, for the purposes of monitoring under Section 5(c) of this general permit, are considered to be, at a minimum, Monday through Friday, between the hours of 8:00 am and 6:00 pm, unless additional working hours are specified by the permittee.

“*Permittee*” means any person who or municipality which initiates, creates or maintains a discharge in accordance with Section 3 of this general permit.

“*Person*” means person as defined in section 22a-423 of the Connecticut General Statutes.

“*Phase*” means a portion of a project possessing a distinct and complete set of activities that have a specific functional goal wherein the work to be completed in the phase is not dependent upon the execution of work in a later phase in order to make it functional.

“*Point Source*” means any discernible, confined and discrete stormwater conveyance (including but not limited to, any pipe, ditch, channel, tunnel, conduit, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft) from which pollutants are or may be discharged.

“*Professional Engineer*” or “*P.E.*” means a person with a currently effective license issued in accordance with chapter 391 of the Connecticut General Statutes.

“*Qualified Inspector*” means an individual possessing either (1) 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; or (2) 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; or (3) certification by the Connecticut Department of Transportation (DOT).

“*Qualified professional engineer*” means a professional engineer who has, for a minimum of eight years, engaged in the planning and designing of engineered stormwater management systems for residential and commercial construction projects in accordance with the Guidelines and the Stormwater Quality Manual including, but not limited to, a minimum of four years in responsible charge of the planning and designing of engineered stormwater management systems for such projects.

“*Qualified soil erosion and sediment control professional*” means a landscape architect or a professional engineer who: (1) has for a minimum of eight years engaged in the planning and designing of soil erosion and sediment controls for residential and commercial construction projects in accordance with the Guidelines including, but not limited to, a minimum of four years in responsible charge of the planning and designing of soil erosion and sediment controls for such projects; or (2) is currently certified as a professional in erosion and sediment control as designated by EnviroCert International, Incorporated (or other certifying organization acceptable to the commissioner) and has for a minimum of six years experience engaged in the planning and designing of soil erosion and sediment controls for residential and commercial construction projects in accordance with the Guidelines including, but not limited to, a minimum of four years in responsible charge in the planning and designing of soil erosion and sediment controls for such projects.

“*Registrant*” means a person or municipality that files a registration.

“*Registration*” means a registration form filed with the commissioner pursuant to Section 4 of this general permit.

“*Regulated Municipal Separate Storm Sewer System*” or “*Regulated MS4*” means the separate storm sewer system of the City of Stamford or any municipally-owned or -operated separate storm sewer system (as defined above) authorized by the most recently issued General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems (MS4 general permit) including all those located partially

or entirely within an Urbanized Area and those additional municipally-owned or municipally-operated Small MS4s located outside an Urbanized Area as may be designated by the commissioner.

“Retain” means to hold runoff on-site to promote vegetative uptake and groundwater recharge through the use of runoff reduction or LID practices or other measures. In addition, it means there shall be no subsequent point source release to surface waters from a storm event defined in this general permit or as approved by the commissioner.

“Runoff reduction practices” means those post-construction stormwater management practices used to reduce post-development runoff volume delivered to the receiving water, as defined by retaining the volume of runoff from a storm up to the first half inch or one inch of rainfall in accordance with Sections 5(b)(2)(C)(i)(a) or (b), respectively. Runoff reduction is quantified as the total annual post-development runoff volume reduced through canopy interception, soil amendments, evaporation, rainfall harvesting, engineered infiltration, extended filtration or evapo-transpiration.

“Sediment” means solid material, either mineral or organic, that is in suspension, is transported, or has been moved from its site of origin by erosion.

“Site” means geographically contiguous land on which a construction activity takes place or on which a construction activity for which authorization is sought under this general permit is proposed to take place. Non-contiguous land or water owned by the same person shall be deemed the same site if such land is part of a linear project (as defined in this section) or is otherwise connected by a right-of-way, which such person controls.

“Soil” means any unconsolidated mineral and organic material of any origin.

“Stabilize” means the use of measures as outlined in the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, or as approved by the commissioner, to prevent the visible movement of soil particles and development of rills.

“Structural measure” means a measure constructed for the temporary storage and/or treatment of stormwater runoff.

“Standard Industrial Classification Code” or *“SIC Code”* means those codes provided in the Standard Industrial Classification Manual, Executive Office of the President, Office of Management and Budget 1987.

“Standard of care”, as used in Section 3(b), means to endeavor to perform in a manner consistent with that degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances.

“Stormwater” means waters consisting of rainfall runoff, including snow or ice melt during a rain event.

“Stormwater Quality Manual” means the 2004 Connecticut Stormwater Quality Manual published by the Connecticut Department of Energy & Environmental Protection, as amended.

“Surface water” means that portion of waters, as the term “waters” is defined in section 22a-423 of the Connecticut General Statutes, located above the ground surface.

“Tidal wetland” means a wetland as that term is defined in section 22a-29(2) of the Connecticut General Statutes.

“Total disturbance” means the total area on a site where soil will be exposed or susceptible to erosion during the course of all phases of a project.

“*Total Maximum Daily Load*” or “*TMDL*” means the maximum capacity of a surface water to assimilate a pollutant as established by the commissioner, including pollutants contributed by point and non-point sources and a margin of safety.

“*Upland soils*” means soils which are not designated as poorly drained, very poorly drained, alluvial, or flood plain by the National Cooperative Soils Survey, as may be amended, of the Natural Resources Conservation Service of the United States Department of Agriculture and/or the inland wetlands agency of the municipality in which the project will take place.

“*Water company*” means water company as defined in section 25-32a of the Connecticut General Statutes.

“*Water Quality Standards or Classifications*” means those water quality standards or classifications contained in the Connecticut Water Quality Standards published by the Department, as may be amended.

“*Water Quality Volume*” or “*WQV*” means the volume of runoff generated by one inch of rainfall on a site as defined in the 2004 Connecticut Stormwater Quality Manual, as amended.

Section 3. Authorization Under This General Permit

(a) Eligible Activities

This general permit authorizes the discharge of stormwater and dewatering wastewaters to surface waters from construction activities on a site, as defined in this general permit, with a total disturbance of one or more acres of land area on a site, *regardless of project phasing*.

In the case of a larger plan of development (such as a subdivision), the estimate of total acres of site disturbance shall include, but is not limited to, road and utility construction, individual lot construction (e.g. house, driveway, septic system, etc.), and all other construction associated with the overall plan, regardless of the individual parties responsible for construction of these various elements.

(b) Requirements for Authorization

This general permit authorizes the construction activity listed in the “Eligible Activities” section (Section 3(a)) of this general permit provided:

(1) Coastal Management Act

Such construction activity must be consistent with all applicable goals and policies in section 22a-92 of the Connecticut General Statutes, and must not cause adverse impacts to coastal resources as defined in section 22a-93(15) of the Connecticut General Statutes. Please refer to the Appendix D for additional guidance.

(2) Endangered and Threatened Species

Such activity must not threaten the continued existence of any species listed pursuant to section 26-306 of the Connecticut General Statutes as endangered or threatened and must not result in the destruction or adverse modification of habitat designated as essential to such species. See Appendix A.

(3) Aquifer Protection Areas

Such construction activity, if it is located within an aquifer protection area as mapped under section 22a-354b of the General Statutes, must comply with regulations adopted pursuant to section 22a-354i of the General Statutes. Please refer to the Appendix C for additional guidance.

For any construction activity regulated pursuant to sections 8(c) and 9(b) of the Aquifer Protection Regulations (section 22a-354i(1)-(10) of the Regulations of Connecticut State Agencies), the Stormwater Pollution Control Plan (Plan) must assure that stormwater run-off generated from the regulated construction activity (i) is managed in a manner so as to prevent pollution of groundwater, and (ii) complies with all the requirements of this general permit.

(4) Mining Operations Exception

The stormwater discharge resulting from an activity classified as Standard Industrial Classification 10 through 14 (the mining industry) is not authorized by this general permit and is regulated under the most recently issued General Permit for the Discharge of Stormwater Associated with Industrial Activity.

(5) Discharge to POTW

The stormwater is *not* discharged to a Publicly Owned Treatment Works (POTW).

(6) Discharge to Groundwater

The stormwater is *not* discharged entirely to groundwater, meaning a stormwater discharge to a surface water will not occur up to a 100-year, 24-hour rainfall event.

(7) Such construction activity must be consistent with the Wild and Scenic Rivers Act (16 U.S.C. 1271-1287) for those river components and tributaries which have been designated as Wild and Scenic by the United States Congress. Further, such construction activities must not have a direct and adverse effect on the values for which such river designation was established. Please refer to Appendix H for additional guidance.

(8) Certification Requirements for Registrants and other Individuals

As part of the registration for this general permit, the registrant and any other individual or individuals responsible for preparing the registration submits to the commissioner a written certification which, at a minimum, complies with the following requirements:

(A) The registrant and any other individual or individuals responsible for preparing the registration and signing the certification has completely and thoroughly reviewed, at a minimum, this general permit and the following regarding the activities to be authorized under such general permit:

- (i) all registration information provided in accordance with Section 4(c)(2) of such general permit;
- (ii) the project site, based on a site inspection;
- (iii) the Stormwater Pollution Control Plan; and
- (iv) any plans and specifications and any Department approvals regarding such Stormwater Pollution Control Plan;

(B) The registrant and any other individual or individuals responsible for preparing the registration and signing the certification pursuant to this general permit has, based on the review described in section 3(b)(8)(A) of this general permit, made an affirmative determination to:

- (i) comply with the terms and conditions of this general permit;
- (ii) maintain compliance with all plans and documents prepared pursuant to this general permit including, but not limited to, the Stormwater Pollution Control Plan;
- (iii) properly implement and maintain the elements of the Stormwater Pollution Control Plan; and
- (iv) properly operate and maintain all stormwater management systems in compliance with the terms and conditions of this general permit to protect the waters of the state from pollution;

(C) Such registrant and any other individual or individuals responsible for preparing the registration certifies to the following statement: "I hereby certify that I am making this certification in connection with a registration under such general permit, submitted to the commissioner by [INSERT NAME OF REGISTRANT] for an activity located at [INSERT ADDRESS OF PROJECT OR ACTIVITY] and that all terms and conditions of the general permit are being met for all discharges which have been initiated and such activity is eligible for authorization under such permit. I further certify that a system is in place to ensure that all terms and conditions of this general permit will continue to be met for all discharges authorized by this general permit at the site. I certify that the registration filed pursuant to this general permit is on complete and accurate forms as prescribed by the commissioner without alteration of their text. I certify that I have personally examined and am familiar with the information that provides the basis for this certification, including but not limited to all information described in Section 3(b)(8)(A) of such general permit, and I certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate and complete to the best of my knowledge and belief. I certify that I have made an affirmative determination in accordance with Section 3(b)(8)(B) of this general permit. I understand that the registration filed in connection with such general permit is submitted in accordance with and shall comply with the requirements of Section 22a-430b of Connecticut General Statutes. I also understand that knowingly making any false statement made in the submitted information and in this certification may be punishable as a criminal offense, including the possibility of fine and imprisonment, under section 53a-157b of the Connecticut General Statutes and any other applicable law."

(9) The registrant has submitted to the commissioner a written certification by a professional engineer or, where appropriate, a landscape architect licensed in the State of Connecticut for the preparation, planning and design of the Stormwater Pollution Control Plan and stormwater management systems:

(A) The professional engineer or landscape architect shall certify to the following statement:

"I hereby certify that I am a [professional engineer][landscape architect] licensed in the State of Connecticut. I am making this certification in connection with a registration under such general permit, submitted to the commissioner by [INSERT NAME OF REGISTRANT] for an activity located at [INSERT ADDRESS OF PROJECT OR ACTIVITY]. I certify that I have thoroughly and completely reviewed the Stormwater

Pollution Control Plan for the project or activity covered by this certification. I further certify, based on such review and on the standard of care for such projects, that the Stormwater Pollution Control Plan has been prepared in accordance with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, the Stormwater Quality Manual, as amended, and the conditions of the general permit, and that the controls required for such Plan are appropriate for the site. I further certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate and complete to the best of my knowledge and belief. I also understand that knowingly making any false statement in this certification may subject me to sanction by the Department and/or be punishable as a criminal offense, including the possibility of fine and imprisonment, under section 53a-157b of the Connecticut General Statutes and any other applicable law."

- (B) Nothing in this section shall be construed to authorize a professional engineer or a landscape architect to engage in any profession or occupation requiring a license under any other provision of the general statutes without such license.

(10) Plan Review and Certification by a District for Locally Approvable Projects

For those Plans not reviewed in accordance with Section 3(b)(11), below, the registrant has submitted to the commissioner a written certification by the appropriate regional District for the review of the Stormwater Pollution Control Plan pursuant to Appendix F, which, at a minimum, complies with the following requirements:

- (A) the Plan Review Certification must be signed by the District. Information on the District review process is outlined in the Memorandum of Agreement provided in Appendix F. In cases where the District is unable to complete review of the Plan within the time limits specified in the Memorandum of Agreement in Appendix F, a notice to that effect signed by the District may be submitted in lieu of the certification.
- (B) the Stormwater Pollution Control Plan has been prepared in accordance with the requirements of Section 5(b) of the general permit.
- (C) Nothing in this subsection shall be construed to authorize District personnel to engage in any profession or occupation requiring a license under any other provision of the general statutes without such license.

(11) Plan Review and Certification by a Qualified Soil Erosion and Sediment Control Professional and Qualified Professional Engineer for Locally Approvable Projects

For those Plans not reviewed in accordance with Section 3(b)(10), above, the registrant has submitted to the commissioner a written certification by a qualified professional engineer or a qualified soil erosion and sediment control professional in accordance with the following requirements:

- (A) for projects disturbing more than one acre and less than fifteen (15) acres, such qualified soil erosion and sediment control professional or qualified professional engineer:
 - (i) is not an employee, as defined by the Internal Revenue Service in the Internal Revenue Code of 1986, of the registrant; and
 - (ii) has no ownership interest of any kind in the project for which the registration is being submitted.

- (B) for projects disturbing fifteen (15) acres or more, such qualified soil erosion and sediment control professional or qualified professional engineer:
 - (i) is not an employee, as defined by the Internal Revenue Service in the Internal Revenue Code of 1986, of the registrant;
 - (ii) did not engage in any activities associated with the preparation, planning, designing or engineering of such plan for soil erosion and sediment control or plan for stormwater management systems on behalf of such registrant;
 - (iii) is not under the same employ as any person who engaged in any activities associated with the preparation, planning, designing or engineering of such plans and specifications for soil erosion and sediment control or plans and specifications for stormwater management systems on behalf of such registrant; and
 - (iv) has no ownership interest of any kind in the project for which the registration is being submitted.
- (C) The qualified professional engineer or qualified soil erosion and sediment control professional signing the certification has, at a minimum, completely and thoroughly reviewed this general permit and the following regarding the discharges to be authorized under such general permit:
 - (i) all registration information provided in accordance with Section 4(c)(2) of such general permit;
 - (ii) the site, based on a site inspection;
 - (iii) the Stormwater Pollution Control Plan;
 - (iv) the Guidelines;
 - (v) the Stormwater Quality Manual, if applicable; and
 - (vi) all non-engineered and engineered stormwater management systems, including any plans and specifications and any Department approvals regarding such stormwater management systems.
- (D) Affirmative Determination
 - (i) The qualified soil erosion and sediment control professional signing the certification must have made an affirmative determination, based on the review described in section 3(b)(11)(C) of this general permit that:
 - (a) the Stormwater Pollution Control Plan prepared and certified pursuant to the registration is adequate to assure that the project or activity authorized under this general permit, if implemented in accordance with the Stormwater Pollution Control Plan, will comply with the terms and conditions of such general permit; and
 - (b) all non-engineered stormwater management systems:
 - (1) have been designed to control pollution to the maximum extent achievable using measures that are technologically available and economically

practicable and that conform to those in the Guidelines and the Stormwater Quality Manual;

- (2) will function properly as designed;
- (3) are adequate to ensure compliance with the terms and conditions of this general permit; and
- (4) will protect the waters of the state from pollution.

(ii) The qualified professional engineer signing the certification must have made an affirmative determination, based on the review described in section 3(b)(11)(C) of this general permit that:

- (a) the Stormwater Pollution Control Plan prepared and certified pursuant to the registration is adequate to assure that the activity authorized under this general permit, if implemented in accordance with the Stormwater Pollution Control Plan, will comply with the terms and conditions of such general permit; and
- (b) all non-engineered and engineered stormwater management systems:
 - (1) have been designed to control pollution to the maximum extent achievable using measures that are technologically available and economically practicable and that conform to those in the Guidelines and the Stormwater Quality Manual;
 - (2) will function properly as designed;
 - (3) are adequate to ensure compliance with the terms and conditions of this general permit; and
 - (4) will protect the waters of the state from pollution.

(E) The qualified professional engineer or qualified soil erosion and sediment control professional shall, provided it is true and accurate, certify to the following statement:

"I hereby certify that I am a qualified professional engineer or qualified soil erosion and sediment control professional, or both, as defined in the General Permit for Discharge of Stormwater and Dewatering Wastewaters from Construction Activities and as further specified in sections 3(b)(11)(A) and (B) of such general permit. I am making this certification in connection with a registration under such general permit, submitted to the commissioner by [INSERT NAME OF REGISTRANT] for an activity located at [INSERT ADDRESS OF PROJECT OR ACTIVITY]. I have personally examined and am familiar with the information that provides the basis for this certification, including but not limited to all information described in Section 3(b)(11)(C) of such general permit, and I certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate and complete to the best of my knowledge and belief. I further certify that I have made the affirmative determination in accordance with Sections 3(b)(11)(D)(i) and (ii) of this general permit. I understand that this certification is part of a registration submitted in accordance with Section 22a-430b of Connecticut General Statutes and is subject to the requirements and responsibilities for a qualified professional in such statute. I also understand that knowingly making any false statement in this certification may be

punishable as a criminal offense, including the possibility of fine and imprisonment, under section 53a-157b of the Connecticut General Statutes and any other applicable law."

- (F) Nothing in this subsection shall be construed to authorize a qualified soil erosion and sediment control professional or a qualified professional engineer to engage in any profession or occupation requiring a license under any other provision of the general statutes without such license.

(12) New Discharges to Impaired Waters

New stormwater discharges directly to an impaired water, as indicated in the State's Integrated Water Quality Report, must be in accordance with the following conditions:

- (A) Stormwater discharges that go directly to impaired waters seeking authorization under this general permit shall comply with the requirements of this subsection (B) below if the indicated cause or potential cause of the impairment is one of the following:
- Site Clearance (Land Development or Redevelopment)
 - Post-Development Erosion and Sedimentation
 - Source Unknown (if cause of impairment is Sedimentation/Siltation)
- (B) Such stormwater discharge is authorized if the permittee complies with the requirements of Section 5(b)(3) of this permit and receives a written affirmative determination from the commissioner that the discharge meets the requirements of that section. In such case, the permittee must keep a copy of the written determination onsite with the Plan. If the permittee does not receive such affirmative determination, the construction activity is not authorized by this general permit and must obtain an individual permit.

(c) Registration

Pursuant to the "Registration Requirements" section (Section 4) of this general permit, a completed registration with respect to the construction activity shall be filed with the commissioner as follows:

(1) Locally Approvable Projects

The registration must:

- (A) Be electronically submitted, along with all required elements in subsections (B), (C) and (D), below, at least sixty (60) days prior to the planned commencement of the construction activity.
- (B) Include the Registration Form (available at www.ct.gov/deep/stormwater).
- (C) Include any additional forms and information regarding compliance and/or consistency with the Coastal Management Act, Impaired Waters (including TMDL requirements), Endangered and Threatened Species, and Aquifer Protection Areas that may be required pursuant to the "Requirements of Authorization" section (Section 3(b)).
- (D) Include a Plan Review Certification in accordance with the "Plan Review Certification" (Section 5(b)(8)).

Locally Approvable projects may also choose to make their Plan electronically available in accordance with Section 4(c)(2)(N) of this general permit. The 60 day period cited in subsection

(A), above, will not begin until all required elements have been submitted. Failure to include any of these required submissions shall be grounds to reject the registration.

(2) Locally Exempt Projects

The registration must:

- (A) Be electronically submitted, along with all required elements in subsections (B), (C) and (D), below, at least:
- (i) sixty (60) days prior to the planned commencement of the construction activity if the site has a total disturbed area of between one (1) and twenty (20) acres; *or*
 - (ii) ninety (90) days prior to the planned commencement of construction activity if the site:
 - (a) has a total disturbed area greater than twenty (20) acres;
 - (b) discharges to a tidal wetland (that is not a fresh-tidal wetland) within 500 feet of the discharge point; *or*
 - (c) is subject to the impaired waters provisions of Section 3(b)(12).
- (B) Include the Registration Form (available at www.ct.gov/deep/stormwater).
- (C) Include any additional forms and information regarding compliance and/or consistency with the Coastal Management Act, Impaired Waters (including TMDL requirements), Endangered and Threatened Species, and Aquifer Protection that may be required pursuant to the “Requirements of Authorization” section (Section 3(b)).
- (D) Include an electronic copy of the Stormwater Pollution Control Plan (Plan) (or a web address where the electronic Plan can be downloaded) for the commissioner’s review. The electronic Plan shall be in Adobe™ PDF format or similar publicly available format in common use. **DO NOT INCLUDE** in this electronic copy any pages or other material that do not pertain to stormwater management or erosion and sedimentation control (such as electrical and lighting plans, boundary or lot surveys, building plans, non-stormwater related detail sheets, etc.).

The 60 or 90 day periods cited in subsections (A), above, will not begin until all required elements have been submitted. Failure to include any of these required submissions shall be grounds to reject the registration.

(3) Re-Registration of Existing Projects

For sites previously registered under any previous version of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities and for which no Notice of Termination has been submitted pursuant to the “Termination Requirements” section (Section 6), a Re-Registration Form (available at www.ct.gov/deep/stormwater) pursuant to Section 4(c)(3) shall be submitted on or before February 1, 2014. The re-registration fee is payable (or waived) in accordance with Section 4(c)(1)(A)(iii). Resubmission of the permittee’s Plan is not required unless specifically requested by the commissioner.

(d) *Small Construction*

For construction projects with a total disturbance of between one and five acres, the permittee shall adhere to the erosion and sediment control land use regulations of the municipality in which the construction activity is conducted, as well as the Guidelines and the Stormwater Quality Manual.

No registration or Plan review and certification shall be required for such construction activity provided a land-use commission of the municipality (i.e. planning/zoning, wetland, conservation, etc) reviews and issues a written approval of the proposed erosion and sediment control measures, pursuant to the requirements of section 22a-329 of the Connecticut General Statutes. In the absence of such municipal commission approval, the permittee shall register with the DEEP under the requirements for a Locally Exempt Project and comply with all applicable conditions of this general permit.

(e) *Geographic Area*

This general permit applies throughout the State of Connecticut.

(f) *Effective Date and Expiration Date of this General Permit*

The registration provisions of Section 3(c) and 4 of this General Permit, including any applicable definitions or provisions referred to in those sections insofar as they facilitate submission of a registration, shall be effective September 1, 2013. All remaining provisions of this General Permit shall be effective on October 1, 2013. The provisions of this General Permit shall expire on September 30, 2018.

(g) *Effective Date of Authorization*

A construction activity is authorized by this general permit at such time as specified in subsections (1) and (2), below.

(1) Authorization Timelines

The activity is authorized based on the following timelines unless superseded by subsection (2), below:

- (A) for locally approvable projects, sixty (60) days after the submission of the registration form required by Section 4(c), or
- (B) for locally exempt projects under 20 acres, sixty (60) days after the submission of the registration form required by Section 4(c), or
- (C) for locally exempt projects over 20 acres, ninety (90) days after the submission of the registration form required by Section 4(c).

(2) Alternate Authorization Timelines

If one of the following conditions for authorization applies, that condition shall supersede those of subsection (1), above:

- (A) for sites for which the registration and Plan availability and review provisions of Section 4(e) are completed prior to the authorization periods in subsection (1), above, the commissioner may authorize the activity upon such completion, or

- (B) for sites subject to the conditions of Section 3(b)(2), 3(b)(12) and/or Section 5(a)(2), the activity is authorized on the date of the commissioner’s affirmative determination and/or approval, or
- (C) for sites authorized by any previous version of this general permit and for which no Notice of Termination has been submitted pursuant to the “Termination Requirements” section (Section 6), the activity is authorized effective October 1, 2013. Authorization under this general permit shall cease if a re-registration form is not submitted on or before February 1, 2014.

(h) Revocation of an Individual Permit

If a construction activity is eligible for authorization under this general permit and such activity is presently authorized by an individual permit, the existing individual permit may be revoked by the commissioner upon a written request by the permittee. If the commissioner revokes such individual permit in writing, such revocation shall take effect on the effective date of authorization of such activity under this general permit.

(i) Issuance of an Individual Permit

If the commissioner issues an individual permit under section 22a-430 of the Connecticut General Statutes, authorizing a construction activity authorized by this general permit, this general permit shall cease to authorize that activity beginning on the date such individual permit is issued.

Section 4. Registration Requirements

(a) Who Must File a Registration

With the exception noted in the “Small Construction” section (Section 3(d)) of this general permit, any person or municipality which initiates, creates, originates or maintains a discharge described in the “Eligible Activities” section (Section 3(a)) of this general permit shall file with the commissioner a registration form that meets the requirements of the “Contents of Registration” section (Section 4(c)) of this general permit (or a re-registration form) and the applicable fee within the timeframes and in the amounts specified in Sections 3(c) and 4(c)(1)(A), respectively. Any such person or municipality filing a registration remains responsible for maintaining compliance with this general permit.

(b) Scope of Registration

Each registration shall be limited to the discharge at or from one site; no registration shall cover discharges at or from more than one site.

(c) Contents of Registration

(1) Fees

(A) Registration Fee

A registration, if required, shall not be deemed complete unless the registration fee has been paid in full.

(i) Locally Approvable Projects

A registration fee of \$625.00 shall be submitted to the Department with the registration form.

(ii) Locally Exempt Projects

A registration fee shall be submitted with a registration form as follows:

- (a) For sites with total disturbance of between one (1) and twenty (20) acres, the fee shall be \$3,000.
- (b) For sites with total disturbance equal to or greater than twenty (20) acres and less than fifty (50) acres, the fee shall be \$4,000.
- (c) For sites with total disturbance equal to or greater than fifty (50) acres, the fee shall be \$5,000.

The fees for municipalities shall be half of those indicated in subsections (a), (b) and (c) above pursuant to section 22a-6(b) of the Connecticut General Statutes. State and Federal agencies shall pay the full fees specified in this subsection.

(iii) Re-registration

- (a) For sites that registered under the previous version of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities prior to September 1, 2012 and for which no Notice of Termination has been submitted pursuant to the “Termination Requirements” section (Section 6), the re-registration fee shall be \$625 payable with submission of the re-registration form within one hundred twenty (120) days from the effective date of this general permit. If a Notice of Termination is submitted prior to that time, no registration or fee are required.
- (b) For sites that registered under the previous version of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities on or after September 1, 2012 and for which no Notice of Termination has been submitted pursuant to the “Termination Requirements” section (Section 6), the re-registration fee is waived.

(B) The registration fee shall be paid electronically or by check or money order payable to the Department of Energy & Environmental Protection.

(C) The registration fee is non-refundable.

(2) Registration Form

A registration shall be filed electronically on forms prescribed and provided by the commissioner (available at: www.ct.gov/deep/stormwater) and shall include, but not be limited to, the following:

- (A) Legal name, address, and telephone number of the registrant. If the registrant is a person (as defined in Section 2 of this permit) transacting business in Connecticut and is registered with the Connecticut Secretary of the State, provide the exact name as registered with the Connecticut Secretary of the State.
- (B) Legal name, address and telephone number of the owner of the property on which the construction activity will take place.

- (C) Legal name, address and telephone number of the primary contact for departmental correspondence and inquiries, if different from the registrant.
- (D) Legal name, address and telephone number of the developer of the property on which the construction activity is to take place.
- (E) Legal name, address and daytime and off-hours telephone numbers of the general contractor(s) or other representative(s), if different from the developer.
- (F) Legal name, address and telephone number of any consultant(s), engineer(s) or landscape architect(s) retained by the permittee to prepare the registration and Stormwater Pollution Control Plan.
- (G) Location address or description of the site for which the registration is filed.
- (H) The estimated duration of the construction activity.
- (I) Indication of the normal working hours of the site.
- (J) A brief description of the construction activity, including, but not limited to:
 - (i) Total number of acres to be disturbed, regardless of phasing.
 - (ii) Assurance that construction is in accordance with the Guidelines and local erosion and sediment control ordinances, where applicable.
 - (iii) For sites in the Coastal Boundary, documentation that the DEEP Office of Long Island Sound Programs or local governing authority has issued a coastal site plan approval or a determination that the project is exempt from coastal site plan review (see Appendix D) in accordance with section 22a-92 and 22a-93(15) of the Connecticut General Statutes.
 - (iv) Documentation that the construction activity will not threaten the continued existence of any species listed pursuant to section 26-306 of the Connecticut General Statutes as endangered or threatened and will not result in the destruction or adverse modification of habitat designated as essential to such species (see Appendix A).
 - (v) For sites discharging to certain impaired waters, as specified in Section 3(b)(12), documentation that the construction activity meets the requirements of that section and Section 5(b)(3) for authorization under this general permit.
 - (vi) Assurance that the construction activity is not located within an aquifer protection area (see Appendix C) as mapped under section 22a-354b of the Connecticut General Statutes or, if it is located within an aquifer protection area, that the construction activity will comply with regulations adopted pursuant to section 22a-354i of the Connecticut General Statutes.
 - (vii) For a proposed locally approvable project, a plan review certification from the appropriate District, qualified soil erosion and sediment control professional, and/or qualified professional engineer in accordance with Section 5(b)(10) or (11) or a notice from the District that they were unable to complete the Plan review within the time limits specified in the Memorandum of Agreement in Appendix F.

- (K) A brief description of the stormwater discharge, including:
- (i) The name of the municipal separate storm sewer system or immediate surface water body or wetland to which the stormwater runoff will discharge;
 - (ii) Verification of whether or not the site discharges to a tidal wetland (that is not a fresh-tidal wetland) within 500 feet of the discharge point, to a high quality water or to an impaired water with or without a TMDL;
 - (iii) The name of the watershed or nearest waterbody to which the site discharges.
 - (iv) Location of the stormwater discharge(s) including latitude and longitude.
- (L) The total effective impervious cover for the site before and after the proposed construction activity.
- (M) Documentation that the proposed construction activity has been reviewed for consistency with state Historic Preservation statutes, regulations, and policies including identification of any potential impacts on property listed or eligible for listing on the Connecticut Register of Historic Places. A review conducted for an Army Corps of Engineers Section 404 wetland permit would meet this qualification. Refer to Appendix G for guidance on conducting the required review.
- (N) Registrants for locally approvable projects may, if they choose, attach an electronic copy of their Plan to their registration or provide a web address where their Plan may be downloaded. If an electronic plan is not provided, the registrant is still subject to the requirements for submission of a Plan to the commissioner or a member of the public pursuant to the “Plan Availability” section (Section 4(e)(2)). An electronic Plan shall be in Adobe™ PDF format or similar publicly available format in common use. **DO NOT INCLUDE** in the Plan any pages or other material that do not pertain to stormwater management or erosion and sedimentation control (such as electrical and lighting plans, boundary or lot surveys, building plans, non-stormwater related detail sheets, etc.).
- (O) Registrants for all locally exempt projects must submit an electronic copy of their Plan or a web address where the electronic Plan can be downloaded. The electronic Plan shall be in Adobe™ PDF format or similar publicly available format in common use. **DO NOT INCLUDE** in this Plan any pages or other material that do not pertain to stormwater management or erosion and sedimentation control (such as electrical and lighting plans, boundary or lot surveys, building plans, non-stormwater related detail sheets, etc.).
- (P) The certification of the registrant and of the individual or individuals responsible for actually preparing the registration, in accordance with Section 3(b)(8).
- (Q) For all registrations, a design certification must be signed by a professional engineer in accordance with Section 3(b)(9):.
- (R) For registrations for locally approvable projects a review certification must be signed by either: (i) a District in accordance with Section 3(b)(10), or (ii) a qualified soil erosion and sediment control professional and/or qualified professional engineer in accordance with either Section 3(b)(11).

If the registrant is not capable of submitting electronically, a paper form may be submitted in accordance with Section 4(d).

(3) Re-Registration Form

For sites previously registered under any previous version of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities and for which no Notice of Termination has been submitted pursuant to the “Termination Requirements” section (Section 6), a re-registration shall be filed electronically pursuant to Sections 3(c)(3) and 3(g) on forms prescribed and provided by the commissioner (available at: www.ct.gov/deep/stormwater) and shall include, but not be limited to, the following:

- (A) Legal name, address, and telephone number of the registrant. If the registrant is a person (as defined in Section 2 of this permit) transacting business in Connecticut and is registered with the Connecticut Secretary of the State, provide the exact name as registered with the Connecticut Secretary of the State.
- (B) The previously issued permit number (beginning with GSN).
- (C) Legal name, address and telephone number of the owner of the property on which the construction activity will take place.
- (D) Legal name, address and telephone number of the primary contact for departmental correspondence and inquiries, if different from the registrant.
- (E) Legal name, address and telephone number of the developer of the property on which the subject construction activity is to take place.
- (F) Legal name, address and daytime and off-hours telephone numbers of the general contractor(s) or other representative(s), if different from the developer.
- (G) Legal name, address and telephone number of any consultant(s) or engineer(s) retained by the permittee to prepare the registration and Stormwater Pollution Control Plan.
- (H) Location address or description of the site for which the re-registration is filed.
- (I) Indication of the normal working hours of the site.
- (J) The estimated duration of the construction activity.
- (K) The signature of the registrant and of the individual or individuals responsible for actually preparing the re-registration, each of who shall certify in writing as follows:

“I hereby certify that I am making this certification in connection with a registration under the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities, submitted to the commissioner by [INSERT NAME OF REGISTRANT] for an activity located at [INSERT ADDRESS OF PROJECT OR ACTIVITY] and that all terms and conditions of the general permit are being met for all discharges which have been initiated and such activity is eligible for authorization under such permit. I further certify that all designs and plans for such activity meet the current terms and conditions of the general permit in accordance with Section 5(b)(5)(C) of such general permit and that a system is in place to ensure that all terms and conditions of this general permit will continue to be met for all discharges authorized by this general permit at the site. I certify that the registration filed pursuant to this general permit is on complete and accurate forms as prescribed by the commissioner without alteration of their text. I certify that I have personally examined and am familiar with the information that provides the basis for this certification, including but not limited to all information described in Section

3(b)(8)(A) of such general permit, and I certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate and complete to the best of my knowledge and belief. I also understand that knowingly making any false statement made in the submitted information and in this certification may be punishable as a criminal offense, including the possibility of fine and imprisonment, under section 53a-157b of the Connecticut General Statutes and any other applicable law.”

If the registrant is not capable of submitting electronically, a paper form may be submitted in accordance with Section 4(d).

(d) *Where to File a Registration*

A registration (available at: www.ct.gov/deep/stormwater) shall be filed electronically with the commissioner in accordance with Section 3(c)(2) or (3). If the registrant does not have the capability to submit electronically, a paper registration may be filed at the following address:

CENTRAL PERMIT PROCESSING UNIT
DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127

(e) *Availability of Registration and Plan*

By the fifteenth (15th) day of each month, the commissioner shall post on the DEEP website a list of registrations submitted in the previous month.

(1) Registration Availability

On or before fifteen (15) days from the date of posting by the commissioner, members of the public may review and comment on a registration. Any electronically available Plans will be posted with the corresponding registration.

(2) Plan Availability

(A) Electronic Plan Availability

For an electronically available Plan, on or before fifteen (15) days from the date of posting by the commissioner, members of the public may review and comment on a registrant’s Plan.

(B) Non-Electronic Plan Availability

For any Plan that is not electronically available, on or before fifteen (15) days from the date of a registration posting by the commissioner, members of the public may submit a written request to the commissioner to obtain a copy of a registrant’s Plan. The commissioner shall inform the registrant of the request and the name of the requesting party. If the commissioner does not already have access to a copy of the requested Plan, the registrant shall submit a copy of their Plan to the commissioner within seven (7) days of their receipt of such request. On or before fifteen (15) days from the date the commissioner makes a Plan available to the requesting party, they may submit written comments on the Plan to the commissioner.

(f) Additional Information

The commissioner may require a permittee to submit additional information that the commissioner reasonably deems necessary to evaluate the consistency of the subject construction activity with the requirements for authorization under this general permit.

(g) Additional Notification

For discharges authorized by this general permit to a regulated municipal separate storm sewer system, a copy of the registration and all attachments thereto shall also be submitted to the owner and operator of that system.

For discharges authorized by this general permit to a DOT separate storm sewer system, a copy of the registration and all attachments thereto shall also be submitted to the DOT upon request.

For discharges within a public drinking water supply watershed or aquifer area, a copy of the registration and the Plan described in subsection 5(b) of this general permit shall be submitted to the water company.

For discharges to river components and tributaries which have been designated as Wild and Scenic under the Wild and Scenic Rivers Act, a copy of the registration and the Plan described in 5(b) of this general permit shall be submitted to the applicable Wild and Scenic Coordinating Committee. Please refer to Appendix H for additional guidance

In addition, a copy of this registration and the Plan shall be available upon request to the local inland wetlands agency established pursuant to section 22a-42 of the Connecticut General Statutes, or its duly authorized agent.

(h) Action by Commissioner

- (1) The commissioner may reject without prejudice a registration if it does not satisfy the requirements of the “Contents of Registration” section (subsection 4(c)) of this general permit. Any registration refiled after such a rejection shall be accompanied by the fee specified in the “Fees” subsection (subsection 4(c)(1)) of this general permit.
- (2) The commissioner may disapprove a registration if is inconsistent with the requirements for authorization under the “Requirements for Registration” section (Section 3(b)) of this general permit, or for any other reason provided by law.
- (3) Disapproval of a registration under this subsection shall constitute notice to the registrant that the subject construction activity must be authorized under an individual permit.
- (4) Rejection or disapproval of a registration shall be in writing.

(i) Transition to New General Permit

On or after August 1, 2013, up until and including August 31, 2013, a person filing a new registration for a site may file such registration: (a) under the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities that expires on September 30, 2013; or (b) this general permit. A person filing a new registration for a site shall not register under both the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities that expires on September 30, 2013 and this general permit. After August 31, 2013, a person filing a new registration for a site shall only register under this general permit and shall be authorized pursuant to Section 3(g) of this general permit.

(Note: Any person who, on or after August 1, 2013, up until and including August 31, 2013, files a new registration for a site under the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities that expires on September 30, 2013 shall, after October 1, 2013, re-register such site pursuant to Section 3(c)(3) and Section 4(c)(3) of this general permit.)

A person re-registering a site pursuant to Section 3(c)(3) and Section 4(c)(3) of this general permit may submit the required re-registration information anytime on or after August 1, 2013.

(j) Latest Date to Submit a Registration Under this General Permit

No person shall submit a registration under this general permit after June 30, 2018.

Section 5. Conditions of this General Permit

The permittee shall meet all requirements of this general permit at all times. In addition, a permittee shall be responsible for conducting authorized construction activities in accordance with the following conditions:

(a) Conditions Applicable to Certain Discharges

(1) Structures and Dredging in Coastal and Tidal Areas

Any person who or municipality that discharges stormwater into coastal tidal waters for which a permit is required under section 22a-361 of the Connecticut General Statutes (structures and dredging) or section 22a-32 of the Connecticut General Statutes (Tidal Wetlands Act), shall obtain such permit(s) from the commissioner. A tidal wetland permit is required for the placement of any sediment upon a tidal wetland, whether it is deposited directly or indirectly.

(2) Discharges to Tidal Wetlands

Any site which has a post-construction stormwater discharge to a tidal wetland (that is not a fresh-tidal wetland) where such discharge is within 500 feet of the tidal wetland, shall discharge such stormwater through a system designed to retain and infiltrate the volume of stormwater runoff generated by 1 inch of rainfall on the site. If there are site constraints that would prevent retention of this volume on-site (e.g., brownfields, capped landfills, bedrock, elevated groundwater, etc.), documentation must be submitted, for the commissioner's review and written approval, which explains the site limitations and offers an alternative retention volume. In such cases, the portion of 1 inch that cannot be retained must be provided with additional stormwater treatment so as to protect water quality. Any such treatment shall be designed, installed and maintained in accordance with the Stormwater Quality Manual.

For sites unable to comply with this section, the commissioner, at the commissioner's sole discretion, may require the submission of an individual permit in lieu of authorization under this general permit.

(3) Toxicity to Aquatic and Marine Life

The discharge shall not cause pollution due to acute or chronic toxicity to aquatic and marine life, impair the biological integrity of aquatic or marine ecosystems, or result in an unacceptable risk to human health.

(4) Water Quality Standards

The stormwater discharge shall not cause or contribute to an exceedance of the applicable Water Quality Standards in the receiving water.

(5) High Quality Waters

Any new or increased stormwater discharge to high quality waters shall be discharged in accordance with the Connecticut Anti-Degradation Implementation Policy in the Water Quality Standards.

(b) Stormwater Pollution Control Plan

All registrants shall develop and maintain on-site a Stormwater Pollution Control Plan (Plan) for the construction activity authorized by this general permit. Once the construction activity begins, the permittee shall perform all actions required by such Plan and shall maintain compliance with the Plan thereafter. The Plan shall be designed to minimize (as defined in Section 2): (1) pollution caused by soil erosion and sedimentation during and after construction; and (2) stormwater pollution caused by use of the site after construction is completed.

(1) Development and Contents of Plan

(A) The Plan shall consist of site plan drawings and a narrative. The Plan shall be prepared in accordance with sound engineering practices, and shall be consistent with the Guidelines and the 2004 Connecticut Stormwater Quality Manual (available at <http://www.ct.gov/deep/stormwater>). The Plan shall also be consistent with any remedial action plan, closure plan or other plan required by any other DEEP permit.

(B) The Plan shall include, at a minimum, the following items:

(i) Site Plan

Site drawings indicating drainage patterns and approximate slopes anticipated after major grading activities, areas of soil disturbance, the location of major structural and non-structural controls (as specified in subsection 5(b)(2), below), the location of areas where stabilization practices are expected to occur, areas which will be vegetated following construction, monitored outfalls, surface waters, impaired waters (identifying those with and without a TMDL), high quality waters, inland wetlands, tidal wetlands, fresh-tidal wetlands, and locations where stormwater will be discharged to a surface water (both during and post-construction);

(ii) Site Description

(a) A narrative description of the nature of the construction activity;

(b) An estimate of the total area of the site and the total area of the site that is expected to be disturbed by construction activities;

(c) An estimate of the average runoff coefficient of the site after construction activities are completed;

(d) The name of the immediate receiving water(s) and the ultimate receiving water(s) of the discharges authorized by this general permit; and

(e) Extent of wetland acreage on the site.

(iii) Construction Sequencing

The Plan shall clearly identify the expected sequence of major construction activities on the site and corresponding erosion and sediment controls and shall include an estimated timetable for all construction activities, which shall be revised as necessary to keep the Plan current. Wherever possible, the site shall be phased to avoid the disturbance of over five acres at one time (or a lesser area of disturbance as required in the “Impaired Waters” section (Section 5(b)(3)). The Plan shall clearly show the limits of disturbance for the entire construction activity and for each phase.

(iv) Control Measures

The Plan shall include a description, in narrative and on the site plan drawings, of appropriate control measures that will be performed at the site to minimize the discharge of pollutants to waters of the state. Control measures shall be implemented in accordance with Section 5(b)(2) below. In addition, the following information shall be provided:

- (a) Calculations supporting the design of sediment and floatables removal controls pursuant to Section 5(b)(2)(C)(ii)(b).
- (b) Calculations supporting the design of velocity dissipation controls pursuant to Section 5(b)(2)(C)(ii)(c).

(v) Runoff Reduction and Low Impact Development (LID) Information

Where runoff reduction practices and/or LID measures are utilized, the following information shall be included in the site plan and narrative:

- (a) The location of the site’s streams, floodplains, all wetlands, riparian buffers, slopes 3:1 and steeper, and vegetation identified for preservation and non-disturbance during construction such as forested areas, hay fields, and old fields;
- (b) Natural drainage patterns, swales, and other drainage ways, that are not streams, floodplains, or wetland areas;
- (c) The location of all areas with soils suitable for infiltration¹ and areas of the site best suited for infiltration for the siting of runoff reduction practices and LID design measures;
- (d) The location of all areas unsuitable or least suitable for infiltration for the siting of areas of development/building;
- (e) The location of all post-construction stormwater management measures, runoff reduction practices and LID design measures developed pursuant to subsection 5(b)(2)(C)(i) below;
- (f) Identification of areas inappropriate for the infiltration of stormwater runoff from land uses with a significant potential for groundwater pollution;

¹ Infiltration rates must be measured by a field permeability test. The measured field design infiltration rate is equal to one-half the field-measured infiltration rate.

- (g) A narrative describing the nature, purpose, implementation and long-term maintenance of the post-construction measures, runoff reduction practices and LID design measures;
- (h) Calculations, for measures developed pursuant to Section 5(b)(2)(C)(i), illustrating the retention of the water quality volume or half the water quality volume for the site, as applicable, including a discussion of the impact of any runoff reduction and/or LID practices on these calculations.
- (i) A narrative describing any site constraints that prevent retention of the appropriate volume specified in Section 5(b)(2)(C)(i) including: an explanation of the site limitations; a description of the runoff reduction practices implemented; an explanation of why the amount retained constitutes the maximum extent achievable; an alternative retention volume; and a description of the measures used to provide additional stormwater treatment for sediment, floatables and nutrients above the alternate volume up to the water quality volume.
- (j) Calculations showing the proposed effective impervious cover for the site and, where necessary or appropriate for measures developed for linear projects pursuant to Section 5(b)(2)(C)(i), each outfall drainage area.

(vi) Inspections

The Plan shall include a narrative of all inspection personnel conducting the routine inspections, their responsibilities and procedures pursuant to subsection 5(b)(4)(B) below. The Plan shall also include documentation of the qualifications of the inspector(s) and the findings, actions and results of all inspections conducted at the site.

(vii) Monitoring

The Plan shall provide a narrative of the stormwater monitoring procedures pursuant to Section 5(c). This narrative shall include documentation of the monitoring frequency, personnel conducting monitoring, identification of monitored outfalls, methodology for monitoring, provisions for monitoring a linear project (if applicable), the site's normal working hours, the method for measuring turbidity and a copy of all monitoring records.

(viii) Contractors

- (a) The Plan shall clearly identify each contractor and subcontractor that will perform construction activities on the site that have the potential to cause pollution of the waters of the State. The Plan shall include a copy of the certification statement in the "Contractor Certification Statement" section, below, signed by each such contractor and subcontractor.

(b) Contractor Certification Statement

The Plan shall include the following certification signed by each contractor and subcontractor identified in the Plan as described above:

"I certify under penalty of the law that I have read and understand the terms and conditions of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities. I understand that as a contractor or

subcontractor at the site, I am authorized by this general permit, and must comply with the terms and conditions of this general permit, including, but not limited to, the requirements of the Stormwater Pollution Control Plan prepared for the site.”

The certification shall include the name and title of the person providing the signature; the name, address and telephone number of the contracting firm; the address (or other identifying description) of the site; and the date the certification is made.

(c) Subdivisions

Where individual lots in a subdivision or other common plan of development are conveyed or otherwise the responsibility of another person or municipality, those individual lot contractors shall be required to comply with the provisions of this general permit and the Stormwater Pollution Control Plan, and shall sign the certification statement in the “Contractor Certification Statement” section, above, regardless of lot size or disturbed area. In such cases, the permittee shall provide a copy of the Plan to each individual lot contractor, obtain signed certifications from such contractors and retain all signed certifications in the Plan.

(ix) Impaired Waters

For construction activities that discharge to impaired waters, as specified in “New Discharges to Impaired Waters” (Section 3(b)(12)), the Plan shall include a description of the provisions for controlling the construction and post-construction stormwater discharges to these waters pursuant to subsection 5(b)(3) below.

(2) Stormwater Control Measures

Control Measures are required Best Management Practices (BMPs) that the permittee must implement to minimize the discharge of pollutants from the permitted activity. The term “minimize” means reduce and/or eliminate to the extent achievable using control measures that are technologically available and economically practicable and achievable in light of best industry practice.

Control Measures shall be designed in accordance with the Guidelines, the Stormwater Quality Manual or the DOT Qualified Products List (http://www.ct.gov/dot/lib/dot/documents/dresearch/conndot_qpl.pdf). Use of controls to comply with the “Erosion and Sediment Controls” section (subsection (A) below) of this general permit that are not included in those resources must be approved by the commissioner or the commissioner’s designated agent. The narrative and drawings of controls shall address the following minimum components:

(A) Erosion and Sediment Controls

(i) Soil Stabilization and Protection

The Plan shall include a narrative and drawings of interim and permanent soil stabilization practices for managing disturbed areas and soil stockpiles, including a schedule for implementing the practices. The Permittee shall ensure that existing vegetation is preserved to the maximum extent practicable and that disturbed portions of the site are minimized and stabilized.

Where construction activities have permanently ceased or when final grades are reached in any portion of the site, stabilization and protection practices as specified in Chapter 5 of the Guidelines or as approved by the commissioner or his/ her designated agent shall be implemented within seven days. Areas that will remain disturbed but inactive for at least thirty days shall receive temporary seeding or soil protection within seven days in accordance with the Guidelines.

Areas that will remain disturbed beyond the seeding season as identified in the Guidelines, shall receive long-term, non-vegetative stabilization and protection sufficient to protect the site through the winter. In all cases, stabilization and protection measures shall be implemented as soon as possible in accordance with the Guidelines or as approved by the commissioner or his/ her designated agent.

A reverse slope bench is required for any slope steeper than 3:1 (horizontal: vertical) that exceeds 15 feet vertically, except when engineered slope stabilization structures or measures are included or a detailed soil mechanics analysis has been conducted to verify stability. Engineered analyses and measures must be designed by a CT licensed Professional Engineer with experience in geotechnical engineering or soil mechanics.

(ii) Structural Measures

The Plan shall include a narrative and drawings of structural measures to divert flows away from exposed soils, store flows or otherwise limit runoff and minimize the discharge of pollutants from the site. Unless otherwise specifically approved in writing by the commissioner or his/ her designated agent, or if otherwise authorized by another state or federal permit, structural measures shall be installed on upland soils.

For points of discharge from disturbed sites with a total contributing drainage area of between two to five acres, a temporary sediment trap must be installed in accordance with the Guidelines. For points of discharge from disturbed sites with a total contributing drainage area greater than five acres, a temporary basin must be designed and installed in accordance with the Guidelines. Such trap(s) or basin(s) must be maintained until final stabilization of the contributing area as defined in “Notice of Termination” (Section 6(a)).

The requirement for sediment traps or basins shall not apply to flows from off-site areas and flows from the site that are either undisturbed or have undergone final stabilization where such flows are diverted around the temporary sediment trap or basin. Any exceptions must be approved in writing by the commissioner or his/ her designated agent.

(iii) Maintenance

The Plan shall include a narrative of the procedures to maintain in good and effective operating conditions all erosion and sediment control measures, including vegetation, and all other protective measures identified in the site plan. Maintenance of all erosion and sediment controls shall be performed in accordance with the Guidelines, or more frequently as necessary, to protect the waters of the state from pollution.

(B) Dewatering Wastewaters

Dewatering wastewaters shall be managed in accordance with the Guidelines. Dewatering wastewaters discharged to surface waters shall be discharged in a manner that minimizes the discoloration of the receiving waters. The Plan shall include a narrative and drawings of the

operational and structural measures that will be used to ensure that all dewatering wastewaters will not cause scouring or erosion or contain suspended solids in amounts that could reasonably be expected to cause pollution of surface waters of the State. Unless otherwise specifically approved in writing by the commissioner or his/ her designated agent, or if otherwise authorized by another state or federal permit, dewatering measures shall be installed on upland soils.

No discharge of dewatering wastewater(s) shall contain or cause a visible oil sheen, floating solids, or foaming in the receiving water.

(C) Post-Construction Stormwater Management

The Plan shall include a narrative and drawings of measures that will be installed during the construction process to minimize the discharge of pollutants in stormwater discharges that will occur after construction operations have been completed. Post-construction stormwater management measures shall be designed and implemented in accordance with the Stormwater Quality Manual, the DOT Qualified Products List or as approved by the commissioner or his/ her designated agent in writing. Unless otherwise specifically provided by the commissioner in writing, or authorized by another state or federal permit, structural measures shall be placed on upland soils. The Plan shall include provisions to address the long-term maintenance of any post-construction stormwater management measure installed.

(i) Post-Construction Performance Standards

The permittee shall utilize runoff reduction practices (as defined in Section 2) to meet runoff volume requirements based on the conditions below. For sites unable to comply with these conditions, the commissioner, at the commissioner's sole discretion, may require the submission of an individual permit in lieu of authorization under this general permit.

(a) Redevelopment

For sites that are currently developed with an effective impervious cover of forty percent or more and for which the permittee is proposing redevelopment, the permittee shall design the site in such a manner as to retain on-site half the water quality volume (as defined in Section 2) for the site and provide additional stormwater treatment without retention for discharges up to the full water quality volume for sediment, floatables and nutrients to the maximum extent achievable using control measures that are technologically available and economically practicable and achievable in light of best industry practice. In cases where the permittee is not able to retain half the water quality volume, the permittee shall design the redevelopment to retain runoff volume to the maximum extent achievable using control measures that are technologically available and economically practicable and achievable in light of best industry practice. In such cases, additional stormwater treatment up to the full water quality volume is still required. Any such treatment shall be designed, installed and maintained in accordance with the Stormwater Quality Manual. If retention of the half the water quality volume is not achieved, the permittee shall submit a report to the commissioner describing: the measures taken to maximize runoff reduction practices on the site; the reasons why those practices constitute the maximum extent achievable; the alternative retention volume; and a description of the measures used to provide additional stormwater treatment above the alternate volume up to the water quality volume. In the case of linear redevelopment projects (e.g. roadway reconstruction or widening) for the developed portion of

the right of way: (1) for projects that may be unable to comply with the full retention standard, the alternate retention and treatment provisions may also be applied as specified above, or (2) for projects that will not increase the effective impervious cover within a given watershed, the permittee shall implement the additional stormwater treatment measures referenced above, but will not be required to retain half of the water quality volume.

(b) Other Development

The following performance standard applies to all sites that are currently undeveloped or are currently developed with less than forty percent effective impervious cover. For these sites, the permittee shall design the site to retain the water quality volume for the site. If there are site constraints that would prevent retention of this volume on-site (e.g., brownfields, capped landfills, bedrock, elevated groundwater, etc.), documentation must be submitted, for the commissioner's review and written approval, which: explains the site limitations; provides a description of the runoff reduction practices implemented; provides an explanation of why this constitutes the maximum extent achievable; offers an alternative retention volume; and provides a description of the measures used to provide additional stormwater treatment for sediment, floatables and nutrients above the alternate volume up to the water quality volume. Any such treatment shall be designed, installed and maintained in accordance with the Stormwater Quality Manual. In the case of linear projects that do not involve impervious surfaces (e.g. electrical transmission rights-of-way or natural gas pipelines), retention of the water quality volume is not required as long as the post-development runoff characteristics do not differ significantly from pre-development conditions.

(ii) Post-Construction Control Measures

(a) Runoff Reduction and Low Impact Development ("LID") Practices

The site design shall incorporate runoff reduction practices, low impact development ("LID") practices or other measures to meet the performance standards in subsection (i) above, promote groundwater recharge and minimize post-construction impacts to water quality. Please refer to Appendix B for additional guidance information.

(b) Suspended Solids and Floatables Removal

The permittee shall install post-construction stormwater management measures designed to minimize the discharge of suspended solids and floatables (e.g. oil and grease, other floatable liquids, floatable solids, trash, etc.) from stormwater. A goal of 80 percent removal of the annual sediment load from the stormwater discharge shall be used in designing and installing stormwater management measures. The Plan shall provide calculations supporting the capability of such measures in achieving this goal and any third-party verification, as applicable, of the sediment removal efficiencies of such measures. This goal is not intended to limit local approval authorities from requiring a higher standard pursuant to local requirements.

(c) Velocity Dissipation

Velocity dissipation devices shall be placed at discharge locations and along the length of any outfall channel as necessary to provide a non-erosive velocity flow to the receiving watercourse so that the natural physical and biological characteristics and functions are maintained and protected.

(D) Other Controls

The following additional controls shall be implemented:

(i) Waste Disposal: Best management practices shall be implemented to minimize the discharge of litter, debris, building materials, hardened concrete waste, or similar materials to waters of the State. A narrative of these practices shall be provided in the Plan.

(ii) Washout Areas

Washout of applicators, containers, vehicles and equipment for concrete, paint and other materials shall be conducted in a designated washout area. There shall be no surface discharge of washout wastewaters from this area. Such washout shall be conducted: (1) outside of any buffers and at least 50 feet from any stream, wetland or other sensitive resource; or (2) in an entirely self-contained washout system. The permittee shall clearly flag off and designate areas to be used for washing and conduct such activities only in these areas. The permittee shall direct all washwater into a container or pit designed such that no overflows can occur during rainfall or after snowmelt.

In addition, dumping of liquid wastes in storm sewers is prohibited. The permittee shall remove and dispose of hardened concrete waste consistent with practices developed for the "Waste Disposal" section (subparagraph 5(b)(2)(D)(i), above). At least once per week, the permittee must inspect any containers or pits used for washout to ensure structural integrity, adequate holding capacity, and to check for leaks or overflows. If there are signs of leaks, holes or overflows in the containers or pits that could lead to a discharge, the permittee shall repair them prior to further use. For concrete washout areas, the permittee shall remove hardened concrete waste whenever the hardened concrete has accumulated to a height of ½ of the container or pit or as necessary to avoid overflows. A narrative of maintenance procedures and a record of maintenance and inspections shall be included in the Plan.

(iii) Off-site vehicle tracking of sediments and the generation of dust shall be minimized. Wet dust suppression shall be used, in accordance with section 22a-174-18(b) of the Connecticut General Statutes, for any construction activity that causes airborne particulates. The volume of water sprayed for controlling dust shall be minimized so as to prevent the runoff of water. No discharge of dust control water shall contain or cause a visible oil sheen, floating solids, visible discoloration, or foaming in the receiving stream.

(iv) All post-construction stormwater structures shall be cleaned of construction sediment and any remaining silt fence shall be removed upon stabilization of the site.

(v) All chemical and petroleum product containers stored on the site (excluding those contained within vehicles and equipment) shall be provided with impermeable containment which will hold at least 110% of the volume of the largest container, or

10% of the total volume of all containers in the area, whichever is larger, without overflow from the containment area. All chemicals and their containers shall be stored under a roofed area except for those chemicals stored in containers of 100 gallon capacity or more, in which case a roof is not required. Double-walled tanks satisfy this requirement.

(3) Additional Control Measures for Impaired Waters

For construction activities that discharge directly to impaired waters, as specified in “New Discharges to Impaired Waters” (Section 3(b)(12)), the Plan shall include the following provisions:

- (A) In lieu of the provisions of “Construction Sequencing” (Section 5(b)(1)(B)(iii)), no more than 3 acres may be disturbed at any one time. For those areas for which construction activity will be temporarily suspended for a period of greater than 14 days, temporary stabilization measures shall be implemented within 3 days of such suspension of activity. For all areas, permanent stabilization shall be implemented within 30 days of disturbance; *or*
- (B) The Plan shall document that measures are in place to ensure that there will be no discharge to the impaired water from rain events up to a 2-year, 24-hour rain event while construction activity is occurring; *or*
- (C) For discharges to impaired waters with an established TMDL:
 - (i) the Plan shall document that there is sufficient remaining Waste Load Allocation (WLA) in the TMDL to allow the discharge, *and*
 - (ii) measures shall be implemented to ensure the WLA will not be exceeded, *and*
 - (iii) stormwater discharges shall be monitored, if applicable, for any indicator pollutant identified in the TMDL for every rain event that produces a discharge to ensure compliance with the WLA. Such monitoring shall be in addition to the requirements specified in Section 5(c), *or*
 - (iv) the specific requirements for stormwater discharges specified in the TMDL are met.

Construction activities discharging to impaired waters that do not comply with this subsection are not authorized by this general permit.

(4) Inspections

All construction activities submitting a registration for this general permit shall be inspected initially for Plan implementation and then weekly for routine inspections.

(A) Plan Implementation Inspections

Within the first 30 days following commencement of the construction activity on the site, the permittee shall contact: (1) the appropriate District; or (2) a qualified soil erosion and sediment control professional or a qualified professional engineer to inspect the site. The site shall be inspected at least once and no more than three times during the first 90 days to confirm compliance with the general permit and proper initial implementation of all controls measures designated in the Plan for the site for the initial phase of construction. For sites not inspected by District personnel, the following conditions shall apply:

- (i) for projects disturbing more than one acre and less than fifteen (15) acres, the inspector shall be someone who:
 - (a) is not an employee, as defined by the Internal Revenue Service in the Internal Revenue Code of 1986, of the registrant, and
 - (b) has no ownership interest of any kind in the project for which the registration is being submitted.
- (ii) for projects disturbing fifteen (15) acres or more, the inspector shall be someone who:
 - (a) is not an employee, as defined by the Internal Revenue Service in the Internal Revenue Code of 1986, of the registrant, and
 - (b) has not engaged in any activities associated with the preparation, planning, designing or engineering of such plan for soil erosion and sediment control or plan for engineered stormwater management systems on behalf of such registrant, and
 - (c) is not under the same employ as any person who engaged in any activities associated with the preparation, planning, designing or engineering of such plans and specifications for soil erosion and sediment control or plans and specifications for engineered stormwater management systems on behalf of such registrant, and
 - (d) has no ownership interest of any kind in the project for which the registration is being submitted.

The permittee may use, if they wish, the same person(s) that provided the Plan Review Certification pursuant to Section 5(b)(11).

(B) Routine Inspections

The permittee shall routinely inspect the site for compliance with the general permit and the Plan for the site until a Notice of Termination has been submitted. Inspection procedures for these routine inspections shall be addressed and implemented in the following manner:

- (i) The permittee shall maintain a rain gauge on-site to document rainfall amounts. At least once a week and within 24 hours of the end of a storm that generates a discharge, a qualified inspector (provided by the permittee), as defined in the “Definitions” section (Section 2) of this general permit, shall inspect, at a minimum, the following: disturbed areas of the construction activity that have not been finally stabilized; all erosion and sedimentation control measures; all structural control measures; soil stockpile areas; washout areas and locations where vehicles enter or exit the site. These areas shall be inspected for evidence of, or the potential for, pollutants entering the drainage system and impacts to the receiving waters. Locations where vehicles enter or exit the site shall also be inspected for evidence of off-site sediment tracking. For storms that end on a weekend, holiday or other time after which normal working hours will not commence within 24 hours, an inspection is required within 24 hours only for storms that equal or exceed 0.5 inches. For storms of less than 0.5 inches, an inspection shall occur immediately upon the start of the subsequent normal working hours. Where sites have been temporarily or finally stabilized, such inspection shall be conducted at least once every month for three months.
- (ii) The qualified inspector(s) shall evaluate the effectiveness of erosion and sediment controls, structural controls, stabilization practices, and any other controls implemented

to prevent pollution and determine if it is necessary to install, maintain, or repair such controls and/or practices to improve the quality of stormwater discharge(s).

- (iii) A report shall be prepared and retained as part of the Plan. This report shall summarize: the scope of the inspection; name(s) and qualifications of personnel making the inspection; the date(s) of the inspection; weather conditions including precipitation information; major observations relating to erosion and sediment controls and the implementation of the Plan; a description of the stormwater discharge(s) from the site; and any water quality monitoring performed during the inspection. The report shall be signed by the permittee or his/her authorized representative in accordance with the "Certification of Documents" section (subsection 5(i)) of this general permit.

The report shall include a statement that, in the judgment of the qualified inspector(s) conducting the site inspection, the site is either in compliance or out of compliance with the terms and conditions of the Plan and permit. If the site inspection indicates that the site is out of compliance, the inspection report shall include a summary of the remedial actions required to bring the site back into compliance. Non-engineered corrective actions (as identified in the Guidelines) shall be implemented on site within 24 hours and incorporated into a revised Plan within three (3) calendar days of the date of inspection unless another schedule is specified in the Guidelines. Engineered corrective actions (as identified in the Guidelines) shall be implemented on site within seven (7) days and incorporated into a revised Plan within ten (10) days of the date of inspection, unless another schedule is specified in the Guidelines or is approved by the commissioner. During the period in which any corrective actions are being developed and have not yet been fully implemented, interim measures shall be implemented to minimize the potential for the discharge of pollutants from the site.

- (iv) Inspectors from the DEEP and the appropriate District may inspect the site for compliance with this general permit at any time construction activities are ongoing and upon completion of construction activities to verify the final stabilization of the site and/or the installation of post-construction stormwater management measures pursuant to Section 6(a).
- (v) Additional inspections, reports and documentation may also be required to comply with the "Monitoring Requirements" section (Section 5(c)).

(5) Keeping Plans Current

The Permittee is responsible for keeping their Plan in compliance with this general permit at all times. This may involve any or all of the following:

- (A) The permittee shall amend the Plan if the actions required by the Plan fail to prevent pollution or fail to otherwise comply with any other provision of this general permit. The Plan shall also be amended whenever there is a change in contractors or subcontractors at the site, or a change in design, construction, operation, or maintenance at the site which has the potential for the discharge of pollutants to the waters of the state and which has not otherwise been addressed in the Plan.
- (B) The commissioner may notify the permittee at any time that the Plan and/or the site do not meet one or more of the minimum requirements of this general permit. Within 7 days of such notice, or such other time as the commissioner may allow, the permittee shall make the required changes to the Plan and perform all actions required by such revised Plan. Within 15 days of such notice, or such other time as the commissioner may allow, the permittee shall submit to the commissioner a written certification that the requested changes have been

made and implemented and such other information as the commissioner requires, in accordance with the ‘Duty to Provide Information’ and ‘Certification of Documents’ sections (subsections 5(h) and 5(i)) of this general permit.

- (C) For any stormwater discharges authorized under any previous version of this general permit, the existing Plan shall be updated by February 1, 2014, as applicable, in accordance with the ‘Development and Contents of the Plan’ (subsection 5(b)(1)), ‘Stormwater Control Measures’ (subsection 5(b)(2)), ‘Routine Inspections’ (subsection 5(b)(4)(B)), and ‘Monitoring’ (subsection 5(c)) sections of this general permit, except for the post-construction measures in subsection 5(b)(2)(C)(i)(a) & (b) and 5(b)(2)(C)(ii)(a). The permittee shall maintain compliance with such Plan thereafter. For previously authorized sites discharging to impaired waters or other sensitive areas, the commissioner may require additional control measures or provide authorization under an individual permit pursuant to Sections 4(h) and 3(i).

(6) Failure to Prepare, Maintain or Amend Plan

In no event shall failure to complete, maintain or update a Plan, in accordance with the ‘Development of Contents of the Plan’ and ‘Keeping Plans Current’ sections (subsections 5(b)(1) and 5(b)(5)) of this general permit, relieve a permittee of responsibility to implement any actions required to protect the waters of the state and to comply with all conditions of the permit.

(7) Plan Signature

The Plan shall be signed and certified as follows:

- (A) The Plan shall be signed by the permittee in accordance with the ‘Certification of Documents’ section (subsection 5(i)) of this general permit.
- (B) The Plan shall include certification by all contractors and subcontractors in accordance with the ‘Contractors’ section (subsection 5(b)(1)(B)(viii)) of this general permit.
- (C) The Plan shall include a copy of the certification by a professional engineer or landscape architect made in accordance with Section 3(b)(9) of this general permit.

(8) Plan Review Certification

For a locally approvable project pursuant to Section 3(c) of this general permit, a copy of the Plan review certification made in accordance with either Section 3(b)(10) or (11) shall be maintained with the Plan. Note that construction activities reviewed and certified pursuant to those sections are still subject to the local erosion and sediment control and stormwater management regulations of the municipality in which the activity is conducted.

(9) Plan Submittal

The Plan shall be submitted to the commissioner and other certain parties under the following conditions:

- (A) All Locally Exempt Projects with greater than one acre of soil disturbance shall submit an electronic copy of the Plan and a completed Registration Form to the commissioner.
- (B) For all other projects, the permittee shall provide a copy of the Plan, and a completed Registration Form for this general permit to the following persons immediately upon request:

- (i) The commissioner at his or her request or at the request of a member of the public during the registration and Plan availability period pursuant to Section 4(e);
- (ii) The municipal planning commission, zoning commission and/or inland wetlands agency, or its respective enforcement officer or designated agent;
- (iii) In the case of a stormwater discharge through a municipal separate storm sewer system, the municipal operator of the system;
- (iv) In the case of a stormwater discharge located within a public drinking water supply watershed or aquifer area, the water company responsible for that water supply.

DO NOT SUBMIT any pages or other material that do not pertain to stormwater management or erosion and sedimentation control (such as electrical and lighting plans, boundary or lot surveys, building plans, non-stormwater related detail sheets, etc.).

(c) Monitoring Requirements

The primary requirements for monitoring turbidity are summarized in the table below:

Table 1

<i>Area of Soil Disturbance</i>	<i>Monitoring Required?</i>	<i>Monitoring Frequency</i>	<i>Sample Method</i>
Sites which disturb 1 acre or more, but less than 5 acres	Only IF a Registration is required	Monthly IF a Registration is required	Procedure consistent with 40 CFR Part 136
Sites which disturb 5 acres or more	Yes	Monthly	Procedure consistent with 40 CFR Part 136

(1) Turbidity Monitoring Requirements

(A) Monitoring Frequency

- (i) Sampling shall be conducted in accordance with Table 1, above, at least once every month, when there is a discharge of stormwater from the site while construction activity is ongoing, until final stabilization of the drainage area associated with each outfall is achieved.
- (ii) The permittee is only required to take samples during normal working hours as defined in Section 2. The site’s normal working hours must be identified in the Plan pursuant to Section 5(b)(1)(B)(vii). If sampling is discontinued due to the end of normal working hours, the permittee shall resume sampling the following morning or the morning of the next working day following a weekend or holiday, as long as the discharge continues.
- (iii) Sampling may be temporarily suspended any time conditions exist that may reasonably pose a threat to the safety of the person taking the sample. Such conditions may include high winds, lightning, impinging wave or tidal activity, intense rainfall or other

hazardous condition. Once the unsafe condition is no longer present, sampling shall resume.

(iv) If there is no stormwater discharge during a month, sampling is not required.

(B) Sample Collection

- (i) All samples shall be collected from discharges resulting from a storm event that occurs at least 24 hours after any previous storm event generating a stormwater discharge. Any sample containing snow or ice melt must be identified on the Stormwater Monitoring Report form. Sampling of snow or ice melt in the absence of a storm event is not a valid sample.
- (ii) Samples shall be grab samples taken *at least* three separate times during a storm event and shall be *representative* of the flow and characteristics of the discharge(s). Samples may be taken manually or by an in-situ turbidity probe or other automatic sampling device equipped to take individual turbidity readings (i.e. not composite). The first sample shall be taken within the first hour of stormwater discharge from the site. In cases where samples are collected manually and the discharge begins outside of normal working hours, the first sample shall be taken at the start of normal working hours.

(C) Sampling Locations

(i) Sampling is required of all point source discharges of stormwater from disturbed areas except as may be modified for linear projects under subparagraph (ii) below. Where there are two or more discharge points that discharge substantially identical runoff, based on similarities of the exposed soils, slope, and type of stormwater controls used, a sample may be taken from just one of the discharge points. In such case, the permittee shall report that the results also apply to the substantially identical discharge point(s). No more than 5 substantially identical outfalls may be identified for one representative discharge. If such project is planned to continue for more than one year, the permittee shall rotate twice per year the location where samples are taken so that a different discharge point is sampled every six months. The Plan must identify each outfall authorized by this permit and describe the rationale for any substantially identical outfall determinations.

(ii) Linear Projects

For a linear project, as defined in Section 2, the protocols of subparagraph (i), above, shall apply except that up to 10 substantially identical outfalls may be identified for one representative discharge.

(iii) All sampling point(s) shall be identified in the Plan and be clearly marked in the field with a flag, stake, or other visible marker.

(D) Sampling and analysis shall be prescribed by 40 CFR Part 136.

(E) Turbidity Values

The stormwater discharge turbidity value for each sampling point shall be determined by taking the average of the turbidity values of all samples taken at that sampling point during a given storm.

(2) Stormwater Monitoring Reports

- (A) Within thirty (30) days following the end of each month, permittees shall enter the stormwater sampling result(s) on the Stormwater Monitoring Report (SMR) form (available at www.ct.gov/deep/stormwater) and submit it in accordance with the NetDMR provisions in subsection F, below, or, if the permittee has opted out of NetDMR, to the following address:

Bureau of Materials Management and Compliance Assurance
Water Permitting and Enforcement Division (Attn: DMR Processing)
Connecticut Department of Energy and Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

- (B) If there was no discharge during any given monitoring period, the permittee shall submit the form as required with the words “no discharge” entered in place of the monitoring results.
- (C) If the permittee monitors any discharge more frequently than required by this general permit, the results of this monitoring shall be included in additional SMRs for the month in which the samples were collected.
- (D) If sampling protocols are modified due to the limitations of normal working hours or unsafe conditions in accordance with Section 5(c)(1)(A)(ii) or (iii) above, a description of and reason for the modifications shall be included with the SMR.
- (E) If the permittee samples a discharge that is representative of two or more substantially identical discharge points, the permittee shall include the names or locations of the other discharge points.
- (F) NetDMR Reporting Requirements
- (i) Prior to one-hundred and eighty (180) days after the issuance of this permit, the Permittee may either submit monitoring data and other reports to the Department in hard copy form or electronically using NetDMR, a web-based tool that allows Permittees to electronically submit stormwater monitoring reports through a secure internet connection. Unless otherwise approved in writing by the commissioner, no later than one-hundred and eighty (180) days after the issuance of this permit the Permittee shall begin reporting electronically using NetDMR. Specific requirements regarding subscription to NetDMR and submittal of data and reports in hard copy form and for submittal using NetDMR are described below:

(a) Submittal of NetDMR Subscriber Agreement

On or before fifteen (15) days after the issuance of this permit, the Permittee and/or the person authorized to sign the Permittee’s discharge monitoring reports (“Signatory Authority”) as described in RCSA Section 22a-430-3(b)(2) shall contact the Department at deep.netdmr@ct.gov and initiate the NetDMR subscription process for electronic submission of Stormwater Monitoring Report information. Information on NetDMR is available on the Department’s website at www.ct.gov/deep/netdmr. On or before ninety (90) days after issuance of this permit the Permittee shall submit a signed and notarized copy of the *Connecticut DEEP NetDMR Subscriber Agreement* to the Department.

(b) Submittal of Reports Using NetDMR

Unless otherwise approved by the commissioner, on or before one-hundred and eighty (180) days after issuance of this permit, the Permittee and/or the Signatory Authority shall electronically submit SMRs required under this permit to the Department using NetDMR in satisfaction of the SMR submission requirements of Sections 5(c)(2)(A) of this permit.

SMRs shall be submitted electronically to the Department no later than the 30th day of the month following the completed reporting period. Any additional monitoring conducted in accordance with 40 CFR 136 shall be submitted to the Department as an electronic attachment to the SMR in NetDMR. Once a Permittee begins submitting reports using NetDMR, it will no longer be required to submit hard copies of SMRs to the Department. NetDMR is accessed from: <http://www.epa.gov/netdmr>.

(c) Submittal of NetDMR Opt-Out Requests

If the Permittee is able to demonstrate a reasonable basis, such as technical or administrative infeasibility, that precludes the use of NetDMR for electronically submitting SMRs, the commissioner may approve the submission of SMRs in hard copy form (“opt-out request”). Opt-out requests must be submitted in writing to the Department for written approval on or before fifteen (15) days prior to the date a Permittee would be required under this permit to begin filing SMRs using NetDMR. This demonstration shall be valid for twelve (12) months from the date of the Department’s approval and shall thereupon expire. At such time, SMRs shall be submitted electronically to the Department using NetDMR unless the Permittee submits a renewed opt-out request and such request is approved by the Department.

All opt-out requests and requests for the NetDMR subscriber form should be sent to the following address or by email at deep.netdmr@ct.gov:

Attn: NetDMR Coordinator
Connecticut Department of Energy and Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

(d) Reporting and Record Keeping Requirements

- (1) 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.
- (2) 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.

(e) *Regulations of Connecticut State Agencies Incorporated into this General Permit*

The permittee shall comply with sections 22a-430-3 and 22a-430-4 of the Regulations of Connecticut State Agencies which are hereby incorporated into this general permit, as if fully set forth herein.

(f) *Reliance on Registration*

In evaluating the registrant's registration, the commissioner has relied on information provided by the registrant. If such information proves to be false or incomplete, any authorization reliant on such information may be suspended or revoked in accordance with law, and the commissioner may take any other legal action provided by law.

(g) *Duty to Correct and Report Violations*

Upon learning of a violation of a condition of this general permit, unless otherwise specified in this general permit, a permittee shall immediately take all reasonable action to determine the cause of such violation, correct and mitigate the results of such violation, prevent further such violation, and report in writing such violation and such corrective action to the commissioner within five (5) days of the permittee's learning of such violation. Such information shall be filed in accordance with the "Certification of Documents" section (Section 5(i)) of this general permit.

(h) *Duty to Provide Information*

If the commissioner requests any information pertinent to the construction activity or to compliance with this general permit or with the permittee's authorization under this general permit, the permittee shall provide such information within fifteen (15) days of such request or other time period as may be specified in writing by the commissioner. Such information shall be filed in accordance with the "Certification of Documents" section (Section 5(i)) of this general permit.

(i) *Certification of Documents*

Unless otherwise specified in this general permit, any document, including but not limited to any notice, information or report, which is submitted to the commissioner under this general permit shall be signed by the permittee, or a duly authorized representative of the permittee, and by the individual or individuals responsible for actually preparing such document, each of whom shall certify in writing as follows:

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in this document or its attachments may be punishable as a criminal offense, in accordance with section 22a-6 of the Connecticut General Statutes, pursuant to section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute."

(j) *Date of Filing*

For purposes of this general permit, the date of filing with the commissioner of any document is the date such document is received by the commissioner. The word "day" as used in this general permit means the calendar day; if any date specified in the general permit falls on a Saturday, Sunday, or legal holiday, such deadline shall be the next business day thereafter.

(k) False Statements

Any false statement in any information submitted pursuant to this general permit may be punishable as a criminal offense, in accordance with section 22a-6 of the Connecticut General Statutes, pursuant to section 53a-157b of the Connecticut General Statutes.

(l) Correction of Inaccuracies

Within fifteen (15) days after the date a permittee becomes aware of a change in any information in any material submitted pursuant to this general permit, or becomes aware that any such information is inaccurate or misleading or that any relevant information has been omitted, such permittee shall correct the inaccurate or misleading information or supply the omitted information in writing to the commissioner. Such information shall be filed in accordance with the certification requirements prescribed in Section 5(i) of this general permit.

(m) Transfer of Authorization

Any authorization issued by the commissioner under this general permit is transferable only in accordance with the provisions of section 22a-6o of the General Statutes. Any person or municipality proposing to transfer any such authorization shall submit a license transfer form to the commissioner. The transferee is not authorized to conduct any activities under this general permit until the transfer is approved by the commissioner (typically 30 days). The transferee may adopt by reference the Plan developed by the transferor. The transferee shall amend the Plan as required by the “Keeping Plans Current” Section 5(b)(5) of this general permit).

(n) Reopener

At such time as the USEPA may institute a new rule for post-construction stormwater management or modify the requirements for their National Pollutant Discharge Elimination System (NPDES) General Permit for Discharges from Construction Activities (CGP) to institute a numeric Effluent Limitation Guideline (ELG) for turbidity in stormwater discharges from construction activities, the commissioner may reopen this general permit pursuant to the Section 40 Part 122.62(a) of the Code of Federal Regulations for implementation of these elements.

(o) Other Applicable Law

Nothing in this general permit shall relieve the permittee of the obligation to comply with any other applicable federal, state and local law, including but not limited to the obligation to obtain any other authorizations required by such law.

(p) Other Rights

This general permit is subject to and does not derogate any present or future rights or powers of the State of Connecticut and conveys no rights in real or personal property nor any exclusive privileges, and is subject to all public and private rights and to any federal, state, and local laws pertinent to the property or construction activity affected by such general permit. In conducting any construction activity authorized hereunder, the permittee may not cause pollution, impairment, or destruction of the air, water, or other natural resources of this state. The issuance of this general permit shall not create any presumption that this general permit should or will be renewed.

Section 6. Termination Requirements

(a) *Notice of Termination*

At the completion of a construction project registered pursuant to the “Registration Requirements” section (Section 4) of this general permit, a Notice of Termination must be filed with the commissioner. A project shall be considered complete after all post-construction measures are installed, cleaned and functioning and the site has been stabilized for at least three months following the cessation of construction activities. A site is considered stabilized when there is no active erosion or sedimentation present and no disturbed areas remain exposed **for all phases**.

(1) Post-Construction Inspection

For locally approvable projects, once all post-construction stormwater measures have been installed in accordance with the Post-Construction Stormwater Management section (subsection 5(b)(2)(C)) and cleaned of any construction sediment or debris, the registrant shall contact the appropriate Conservation District or a qualified soil erosion and sediment control professional and/or a qualified professional engineer, as appropriate, who will inspect the site to confirm compliance with these post-construction stormwater measures. This person(s) shall not be an employee, as defined by the Internal Revenue Service in the Internal Revenue Code of 1986, of the permittee and shall have no ownership interest of any kind in the project for which the site’s registration was submitted.

(2) Final Stabilization Inspection

For all projects, once the site has been stabilized for at least three months, the registrant shall have the site inspected by a qualified inspector to confirm final stabilization. The registrant shall indicate compliance with this requirement on the Notice of Termination form.

(b) *Termination Form*

A termination notice shall be filed on forms prescribed and provided by the commissioner and shall include the following:

- (1) The permit number as provided to the permittee on the permit certificate.
- (2) The name of the registrant as reported on the general permit registration form (DEEP-PED-REG-015).
- (3) The address of the completed construction site.
- (4) The dates when:
 - (A) All storm drainage structures were cleaned of construction debris pursuant to the “Other Controls” section (subsection 5(b)(2)(D)) of this general permit; and
 - (B) The post-construction inspection was conducted pursuant to subsection 6(a)(1), above; and
 - (C) The date of completion of construction; and
 - (D) The date of the final stabilization inspection pursuant to subsection 6(a)(2), above.
- (5) A description of the post-construction activities at the site.

(6) Signatures of:

(A) The permittee; and

(B) The person certifying the post-construction inspection pursuant to subsection 6(a)(1), above.

(c) *Where to File a Termination Form*

A termination form shall be filed with the commissioner at 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

Section 7. Commissioner's Powers

(a) *Abatement of Violations*

The commissioner may take any action provided by law to abate a violation of this general permit, including but not limited to penalties of up to \$25,000 per violation per day under Chapter 446k of the Connecticut General Statutes, for such violation. The commissioner may, by summary proceedings or otherwise and for any reason provided by law, including violation of this general permit, revoke a permittee's authorization hereunder in accordance with sections 22a-3a-2 through 22a-3a-6, inclusive, of the Regulations of Connecticut State Agencies. Nothing herein shall be construed to affect any remedy available to the commissioner by law.

(b) *General Permit Revocation, Suspension, or Modification*

The commissioner may, for any reason provided by law, by summary proceedings or otherwise, revoke or suspend this general permit or modify to establish any appropriate conditions, schedules of compliance, or other provisions which may be necessary to protect human health or the environment.

(c) *Filing of an Individual Permit Application*

If the commissioner notifies a permittee in writing that such permittee must obtain an individual permit if he wishes to continue lawfully conducting the construction activity, the permittee shall file an application for an individual permit within thirty (30) days of receiving the commissioner's notice. While such application is pending before the commissioner, the permittee shall continue to comply with the terms and conditions of this general permit. Nothing herein shall affect the commissioner's power to revoke a permittee's authorization under this general permit at any time.

Issued:

August 21, 2013


Daniel C. Esty
Commissioner

APPENDIX B – General Permit Registration



General Permit Registration Form for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities, effective 10/1/13 (non-electronic form)

Prior to completing this form, you **must** read the instructions for the subject general permit available at [DEEP-WPED-INST-015](#).
 This form must be filled out electronically before being printed.
 You must submit the registration fee along with this form.

The [status of your registration](#) can be checked on the DEEP's ezFile Portal. Please note that DEEP will no longer mail certificates of registration.

CPPU USE ONLY	
App #:	_____
Doc #:	_____
Check #:	_____
Program: Stormwater	

Part I: Registration Type

Select the appropriate boxes identifying the registration type and registration deadline.

Registration Type		Registration Timeline	
<input checked="" type="checkbox"/>	New Registration (Refer to Section 2 of the permit for definitions of Locally Exempt and Locally Approvable Projects)	<input type="checkbox"/> Locally Approvable Projects Size of soil disturbance:	New registration - Sixty (60) days prior to the initiation of the construction activity for: Sites with a total soil disturbance area of 5 or more acres
	<input checked="" type="checkbox"/> Locally Exempt Projects Size of soil disturbance:	<input checked="" type="checkbox"/>	New registration - Sixty (60) days prior to the initiation of the construction activity for: Sites with a total disturbance area of one (1) to twenty (20) acres except those with discharges to impaired waters or tidal wetlands
	<input type="checkbox"/>	<input type="checkbox"/>	New registration - Ninety (90) days prior to the initiation of the construction activity for: (i) Sites with a total soil disturbance area greater than twenty (20) acres, or (ii) Sites discharging to a tidal wetland (that is not fresh-tidal and is located within 500 feet), or (iii) Sites discharging to an impaired water listed in the "Impaired Waters Table for Construction Stormwater Discharges"

Part II: Fee Information

1. New Registrations

a. Locally approvable projects (registration only):

\$625 [#1855]

b. Locally exempt projects (registration and Plan):

\$3,000 total soil disturbance area \geq one (1) and $<$ twenty (20) acres. [#1856]

\$4,000 total soil disturbance \geq twenty (20) acres and $<$ fifty (50) acres. [#1857]

\$5,000 total soil disturbance \geq fifty (50) acres. [#1858]

The fees for municipalities shall be half of those indicated in subsections 1.a., 1.b., and 2 above pursuant to section 22a-6(b) of the Connecticut General Statutes. State and Federal agencies shall pay the full fees specified in this subsection. The registration will not be processed without the fee. The fee shall be non-refundable and shall be paid by certified check or money order payable to the Department of Energy and Environmental Protection.

Part III: Registrant Information

- If a registrant is a corporation, limited liability company, limited partnership, limited liability partnership, or a statutory trust, it must be registered with the Secretary of the State. If applicable, the registrant's name shall be stated **exactly** as it is registered with the Secretary of the State. This information can be accessed at **CONCORD**.
- If a registrant is an individual, provide the legal name (include suffix) in the following format: First Name; Middle Initial; Last Name; Suffix (Jr, Sr., II, III, etc.).

1. Registrant /Client Name:

Registrant Type ↓

Secretary of the State business ID #: [REDACTED]

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Example:(xxx) xxx-xxxx

Contact Person:

Title:

E-Mail:

Additional Phone Number (if applicable):

ext.

2. List billing contact, if different than the registrant:

Name: CT DEPT of Administrative Services

Mailing Address: 165 Capitol Avenue

City/Town: Hartford

State: CT

Zip Code: 06106

Business Phone: 860-713-5774

ext.:

Contact Person: Glenn Knapsack

Title:

Part III: Registrant Information (continued)

3. List primary contact for departmental correspondence and inquiries, if different than the registrant:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Site Phone:

Emergency Phone:

Contact Person:

Title:

Association (e.g. developer, general or site contractor, etc.):

4. List owner of the property on which the activity will take place, if different from registrant:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

5. List developer, if different from registrant or primary contact:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Title:

6. List general contractor, if different from registrant or primary contact:

Name: TBD

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Site Phone:

Off Hours Phone:

Contact Person:

Title:

7. List any engineer(s) or other consultant(s) employed or retained to assist in preparing the registration and/or Stormwater Pollution Control Plan. Please select if additional sheets are necessary, and label and attach them to this sheet.

Name: DTC

Mailing Address: 2321 Whitney Avenue

City/Town: Hamden

State: CT

Zip Code: 06518

Business Phone: 2032394200

ext.:

Contact Person: J.Andrew Bevilacqua

Title: PE

Service Provided: **Civil Engineer**

Email: Andrew.Bevilacqua@teamdtc.com

8. List Reviewing Qualified Professional (for locally approvable projects only). This information must match the information provided in Part IX of this registration.

Name:

Contact Person:

Mailing Address:

Email:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Part IV: Site Information

1. Site Name: Vinal Technical High School

Street Address or Description of Location: 60 Daniels Street
(if linear, project location should be the project beginning point)

City/Town: Middletown

State: CT

Zip Code: 06547

(use only one zip code)

Longitude: -7 2.6 7 4 6 9 Latitude: 4 1.5 2 8 5 5

Brief Description of construction activity: Vinal Technical Highschool Paving and Site Improvements

Project Start Date (must be on or after the authorization date of this registration) : /

Anticipated Completion Date: / month/ yr)

(month/ yr)

Normal working hours: 7 to 5

2. MINING: Is the activity on the site in question part of mining operations (i.e. sand and gravel)? Yes No

If yes, mining is not authorized by this general permit. You must submit the Registration Form for the General Permit for the Discharge of Stormwater Associated with Industrial Activity.

3. COMBINED OR SANITARY SEWER: Does all of the stormwater from the proposed activity discharge to a combined or sanitary sewer (i.e. a sewage treatment plant)? Yes No

If yes, this activity is not regulated by this permit. Contact the Water Permitting & Enforcement Division at 860-424-3018.

4. INDIAN LANDS: Is or will the facility be located on federally recognized Indian lands Yes No

5. COASTAL BOUNDARY: Is the activity which is the subject of this registration located within the coastal boundary as delineated on DEEP approved coastal boundary maps Yes No

The coastal boundaries fall within the following towns: Branford, Bridgeport, Chester, Clinton, Darien, Deep River, East Haven, East Lyme, Essex, Fairfield, Greenwich, Groton (City and Town), Old Lyme, Guilford, Hamden, Ledyard, Lyme, Madison, Milford, Montville, New London, New Haven, North Haven, Norwalk, Norwich, Old Saybrook, Orange, Preston, Shelton, Stamford, Stonington (Borough and Town), Stratford, Waterford, West Haven, Westbrook and Westport.

If "yes", and this registration is for a new authorization or a modification of an existing authorization where the physical footprint of the subject activity is modified, you must provide documentation the DEEP Office of Long Island Sound Programs or the local governing authority has issued a coastal site plan approval or determined the project is exempt from coastal site plan review. Provide this documentation with your registration as Attachment B. See guidance in Appendix D of the general permit. Information on the coastal boundary is available at the local town hall or at www.cteco.uconn.edu/map_catalog.asp. Additional DEEP Maps and Publications are available by contacting DEEP staff at 860-424-3555.

Part IV: Site Information (continued)

6. ENDANGERED OR THREATENED SPECIES:

In order to be eligible to register for this General Permit, each registrant must perform a self-assessment, obtain a limited one-year determination, or obtain a safe-harbor determination regarding threatened and endangered species. This may include the need to develop and implement a mitigation plan. While each alternative has different limitations, the alternatives are not mutually exclusive; a registrant may register for this General Permit using more than one alternative. See Appendix A of the General Permit. Each registrant must complete this section AND Attachment C to this Registration form and a registrant who does not or cannot do so is not eligible to register under this General Permit.

Each registrant must perform a review of the Department's Natural Diversity Database maps to determine if the site of the construction activity is located within or in proximity (within ¼ mile) to a shaded area.

- a. Verify that I have completed Attachment C to this Registration Form. Yes
- b. Provide the date the NDDDB maps were reviewed: 7/14/15 Date of map should be **one** year or less than the submittal date of this application. Print a copy of the NDDDB map you viewed since it must be submitted with this registration as part of Attachment C.
- c. For a registrant using a limited one-year determination or safe harbor determination to register for this General Permit, provide the Department's Wildlife Division NDDDB identification number for any such determination: _____ (The number is on the determination issued by the Department's Wildlife Division).

For more information on threatened and endangered species requirements, refer to Appendix A and Section 3(b)(2) of this General Permit, visit the DEEP website at www.ct.gov/deep/nddbrequest or call the NDDDB at 860-424-3011.

- 7. WILD AND SCENIC RIVERS: Is the proposed project within the watershed of a designated Wild and Scenic River? (See Appendix H for guidance) Yes No
- 8. AQUIFER PROTECTION AREAS: Is the site located within a mapped aquifer protection area www.ct.gov/deep/aquiferprotection as defined in section 22a-354h of the CT General Statutes? (For additional guidance, please refer to Appendix C of the General Permit) Yes No
- 9. CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL: Is the activity in accordance with CT Guidelines for Erosion and Sediment Control and local erosion & sediment control ordinances, where applicable? Yes No
- 10. HISTORIC AND/OR ARCHAEOLOGICAL RESOURCES:
Verify that the site of the proposed activity been reviewed (using the process outlined in Appendix G of this permit) for historic and/or archaeological resources: Yes
 - a. The review indicates the proposed site does not have the potential for historic/ archaeological resources, OR Yes No
 - b. The review indicated historic and/ or archaeological resource potential exists and the proposed activity is being or has been reviewed by the Offices of Culture and Tourism, OR Yes No
 - c. The proposed activity has been reviewed and authorized under an Army Corps of Engineers Section 404 wetland permit. Yes No
- 11. CONSERVATION OR PRESERVATION RESTRICTION:
Is the property subject to a conservation or preservation restriction? Yes No

If Yes, proof of written notice of this registration to the holder of such restriction or a letter from the holder of such restriction verifying that this registration is in compliance with the terms of the restriction, must be submitted as Attachment D.

Part V: Stormwater Discharge Information

Table 1						
Outfall #	a) Type	b) Pipe Material	c) Pipe Size	d) Note: To find lat/long, go to: CT ECO . A decimal format is required here. Directions on how to use CT ECO to find lat./long. and conversions can be found in Part V, Section d of the DEEP-WPED-INST-015 .		e) What method was used to obtain your latitude/longitude information?
				Longitude	Latitude	
1	pipe	concrete	Select One:24	-7 2.6 7 6 6 7	4 1.5 2 9 3 1	CT ECO
2	pipe	concrete	Select One:18	-7 2.6 7 4 8 2	4 1.5 2 9 6 1	CT ECO
	Select One:	Select One:	Select One:	-	Select One:
	Select One:	Select One:	Select One:	-	Select One:
	Select One:	Select One:	Select One:	-	Select One:

Table 2						
Outfall #	a) For temporary and permanent outfalls, provide a start date. For temporary discharges, also provide a date the discharge will cease.	b) For the drainage area associated with each outfall: Effective Impervious Area Before Construction	c) For the drainage area associated with each outfall: Effective Impervious Area After Construction	d) To what system or receiving water does your stormwater runoff discharge? either "storm sewer or wetlands" or "waterbody" (If you select "storm sewer or wetland" proceed to Part VI of the form. If you select "waterbody" proceed to next question)	e) For each outfall, does it discharge to any of the following towns: <i>Branford, Kent, Manchester, Meriden, North Branford, Norwalk, or Wilton?</i> (If no, proceed to Part VI of the form. If yes, proceed to next question.)	f) For each outfall, does it discharge to a "freshwater" or "salt water" ? (If you select "freshwater" proceed to Table 3. If you selected "salt water", proceed to Part VI of the form.)
1	existing-mm/dd-mm/dd	249000 sq feet	221000 sq feet	storm sewer or wetland	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	freshwater
2	existing-mm/dd-mm/dd	247800 sq feet	247800 sq feet	storm sewer or wetland	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	freshwater
	- mm/dd-mm/dd	sq feet	sq feet	Select one:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Select one:
	- mm/dd-mm/dd	sq feet	sq feet	Select one:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Select one:
	- mm/dd-mm/dd	sq feet	sq feet	Select one:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Select one:
		total sq feet	total sq feet			

Part V: Stormwater Discharge Information (continued)

Table 3 Provide the following information about the receiving water(s)/wetland(s) that receive stormwater runoff from your site:			
Outfall #	a) What is your 305b ID # (water body ID #)? (Section 3.b, of the DEEP-WPED-INST-015 , explains how to find this information)	b) Is your receiving water identified as a impaired water in the " Impaired Waters Table for Construction Stormwater Discharges "? If yes, proceed to next question. If no, proceed to Part VI: Pollution Control Plan.	c) Has any Total Maximum Daily Load (TMDL) been approved for the impaired water?
█	█	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
█	█	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
█	█	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
█	█	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
█	█	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N

Part V: Stormwater Discharge Information (continued)

Impaired waters: If you answered “yes” to Table 3, question b., **verify** that the project’s Pollution Control Plan (Plan) addresses the control measures below in Question 1 or 2, as appropriate.

1. **If the impaired water does not have a TMDL**, confirm compliance by selecting 1.a. or 1.b. below:
- a. No more than 3 acres is disturbed at any time; Yes
- OR**
- b. Stormwater runoff from a 2 yr, 24 rain event is **retained**. Yes
2. **If the impaired water has a TMDL**, confirm compliance by selecting 2.a. and 2.b. below and either question 2.c.1. or 2.c.2. below:
- a. The Plan documents there is sufficient remaining Waste Load Allocations (WLA) in the TMDL for the proposed discharge, Yes
- AND**
- b. Control measures shall be implemented to assure the WLA will not be exceeded, Yes
- AND**
- c. 1. Stormwater discharges will be monitored for the indicator pollutant identified in the TMDL, Yes
- OR**
2. The Plan documents specific requirements for stormwater discharges specified in the TMDL. Yes

Part VI: Pollution Control Plan (select one of the following three categories)

- I am registering a Locally Exempt project and submitting the required electronic Plan (in Adobe™ PDF or similar publically available format) pursuant to Section 3(c)(2)(E) of this permit. (If you do not have the capability to submit the Plan electronically please call 860-418-5982).
- Plan is attached to this registration form
- Plan is available at the following Internet Address (URL):
- I am registering a Locally Approvable project and have chosen not to submit the Plan with this registration pursuant to Section 3(c)(1) of this permit.
- I am registering a Locally Approvable project and have chosen to make my Plan electronically available pursuant to Section 4(c)(2)(N) of this permit.
- Plan is attached to this registration form
- Plan is available at the following Internet Address (URL):

Part VII: Registrant Certification

The registrant *and* the individual(s) responsible for actually preparing the registration must sign this part. A registration will be considered incomplete unless all required signatures are provided.

For New Registrants:

" I hereby certify that I am making this certification in connection with a registration under such general permit,
 [INSERT NAME OF REGISTRANT BELOW]

submitted to the commissioner by [REDACTED] for
 [INSERT ADDRESS OF PROJECT OR ACTIVITY BELOW]

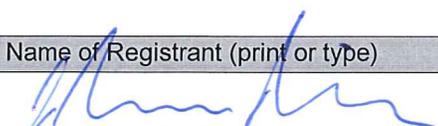
an activity located at [Vinal Technical High School 60 Daniels Street Middletown CT] and that all terms and conditions of the general permit are being met for all discharges which have been initiated and such activity is eligible for authorization under such permit. I further certify that a system is in place to ensure that all terms and conditions of this general permit will continue to be met for all discharges authorized by this general permit at the site. I certify that the registration filed pursuant to this general permit is on complete and accurate forms as prescribed by the commissioner without alteration of their text. I certify that I have personally examined and am familiar with the information that provides the basis for this certification, including but not limited to all information described in Section 3(b) (8)(A) of such general permit, and I certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate and complete to the best of my knowledge and belief. I certify that I have made an affirmative determination in accordance with Section 3(b)(8)(B) of this general permit. I understand that the registration filed in connection with such general permit is submitted in accordance with and shall comply with the requirements of Section 22a-430b of Connecticut General Statutes. I also understand that knowingly making any false statement made in the submitted information and in this certification may be punishable as a criminal offense, including the possibility of fine and imprisonment, under Section 53a-157b of the Connecticut General Statutes and any other applicable law."

For Re-registrants:

" I hereby certify that I am making this certification in connection with a registration under the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities, submitted to the commissioner
 [INSERT NAME OF REGISTRANT BELOW]

by [REDACTED] for an activity located at
 [INSERT ADDRESS OF PROJECT OR ACTIVITY BELOW]

[REDACTED] and that all terms and conditions of the general permit are being met for all discharges which have been initiated and such activity is eligible for authorization under such permit. I further certify that all designs and plans for such activity meet the current terms and conditions of the general permit in accordance with Section 5(b)(5)(C) of such general permit and that a system is in place to ensure that all terms and conditions of this general permit will continue to be met for all discharges authorized by this general permit at the site. I certify that the registration filed pursuant to this general permit is on complete and accurate forms as prescribed by the commissioner without alteration of their text. I certify that I have personally examined and am familiar with the information that provides the basis for this certification, including but not limited to all information described in Section 3(b)(8)(A) of such general permit, and I certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate and complete to the best of my knowledge and belief. I also understand that knowingly making any false statement made in the submitted information and in this certification may be punishable as a criminal offense, including the possibility of fine and imprisonment, under Section 53a-157b of the Connecticut General Statutes and any other applicable law."

Signature of Registrant (Must be an original signature, not a copy or fax)	Date
Name of Registrant (print or type)	Title (if applicable)
	12/11/2015
Signature of Preparer (if different than above) (Must be an original signature, not a copy or fax)	Date
J. Andrew Bevilacqua	Associate and Manger of Civil Engineering
Name of Preparer (print or type)	Title (if applicable)

Part IX: Reviewing Qualified Professional Certification (continued)

"I hereby certify that I am a qualified professional engineer or qualified soil erosion and sediment control professional, or both, as defined in the General Permit for Discharge of Stormwater and Dewatering Wastewaters from Construction Activities and as further specified in Sections 3(b)(11)(A) and (B) of such general permit. I am making this certification in connection with a registration under such general permit,

[INSERT NAME OF REGISTRANT BELOW]

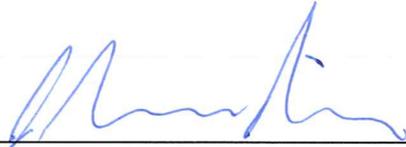
submitted to the commissioner by

[INSERT ADDRESS OF PROJECT OR ACTIVITY BELOW]

for an activity located at

Vinal Technical High School 60 Daniels Street Middletown CT 06457

I have personally examined and am familiar with the information that provides the basis for this certification, including but not limited to all information described in Section 3(b)(11)(C) of such general permit, and I certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate and complete to the best of my knowledge and belief. I further certify that I have made the affirmative determination in accordance with Sections 3(b)(11)(D)(i) and (ii) of this general permit. I understand that this certification is part of a registration submitted in accordance with Section 22a-430b of Connecticut General Statutes and is subject to the requirements and responsibilities for a qualified professional in such statute. I also understand that knowingly making any false statement in this certification may be punishable as a criminal offense, including the possibility of fine and imprisonment, under Section 53a-157b of the Connecticut General Statutes and any other applicable law."



Signature of Reviewing Qualified Professional
(Must be an original signature, not a copy or fax)

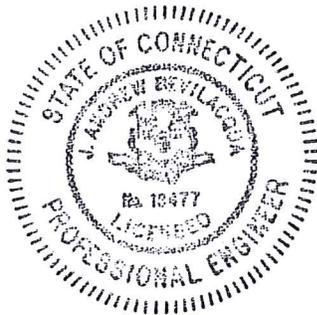
Date: 03.24.16

J. Andrew Bevilacqua

Name of Reviewing Qualified Professional

License No.: 18477

Affix P.E./L.A. Stamp Here



Part IX: Reviewing Qualified Professional Certification

The following certification must be signed by a) a Conservation District reviewer OR, b) a qualified soil erosion and sediment control and/or professional engineer

Review certification by Conservation District:

1.) District: list of districts

Date of Affirmative Determination:

" I am making this certification in connection with a registration under General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities, submitted to the commissioner

[INSERT NAME OF REGISTRANT BELOW]

by

[INSERT ADDRESS OF PROJECT OR ACTIVITY BELOW]

I have personally examined and am familiar with the information that provides the basis for this certification, and I affirm, based on the review described in Section 3(b)(11)(C) of this general permit and on the standard of care for such projects, that the Stormwater Pollution Control Plan is adequate to assure that the activity authorized under this general permit will comply with the terms and conditions of such general permit and that all stormwater management systems: (i) have been designed to control pollution to the maximum extent achievable using measures that are technologically available and economically practicable and that conform to those in the Guidelines and the Stormwater Quality Manual; (ii) will function properly as designed; (iii) are adequate to ensure compliance with the terms and conditions of this general permit; and (iv) will protect the waters of the state from pollution."

Signature of District Professional and Date (Must be an original signature, not a copy or fax)

Name of District Professional and License Number (if applicable)

Or

Review certification by Qualified Professional

Company: DTC

Name: J. Andrew Bevilacqua

License # : 18477

Level of independency of professional:

Required for all projects disturbing over 1 acre:

1. I verify I am not an employee of the registrant. Yes
2. I verify I have no ownership interest of any kind in the project for which the registration is being submitted. Yes

Required for projects with 15 or more acres of site disturbance (in addition to questions 1&2):

3. I verify I did not engage in any activities associated with the preparation, planning, designing or engineering of the soil erosion and sediment control plan or stormwater management systems plan for this registrant. Yes
4. I verify I am not under the same employ as any person associated with the preparation, planning, designing or engineering of the soil erosion and sediment control plan or stormwater management systems plan for this registrant. Yes

Part X: Supporting Documents

Select the applicable box below for each attachment being submitted with this registration form. When submitting any supporting documents, please label the documents as indicated below (e.g., Attachment A, etc.) and be sure to include the registrant's name as indicated on this certification form.

- Attachment A:** Select here as verification that an 8 ½" X 11" copy of the relevant portion of a USGS Quadrangle Map with a scale of 1:24,000, showing the exact location of the facility has been submitted with this registration. Indicate the quadrangle name on the map, and be sure to include the registrant's name. (To obtain a copy of the relevant USGS Quadrangle Map, call your town hall or DEEP Maps and Publications Sales at 860-424-3555)
- Attachment B:** Documentation related to *Coastal Consistency Review*, if applicable.
- Attachment C:** Threatened and Endangered Species Form and any additional information (such as a copy of a NDDB map)
- Attachment D:** Conservation or Preservation Restriction Information, if applicable.
- Attachment E:** Where applicable, non-electronic Pollution Control Plan.

Note: Please submit the fee along with a completed, printed and signed Registration Form and all additional supporting documents to:

**CENTRAL PERMIT PROCESSING UNIT
DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127**

ATTACHMENT C: THREATENED AND ENDANGERED SPECIES

Information about compliance with the requirements of Section 3(b)(2) of this general permit, regarding threatened and endangered species, is in Appendix A of the general permit. Choose one or more (if applicable) of the following in order to be eligible to register for this General Permit. A registrant who does not or cannot do so is not eligible to register under this General Permit.

Self Assessment using the NDDDB maps – Select this only if:

- a. The site of the construction activity is not entirely, partially or within a ¼ mile of a shaded area depicted on the Department’s Natural Diversity Database maps and this determination was made not more than six months before the date of submitting this registration;

AND

- b. The entity registering for this General Permit has no reasonably available verifiable scientific, or other credible information that the construction activity could reasonably be expected to have an adverse impact upon a federal or state species listed as threatened or endangered.

Attach a copy of the NDDDB map used to conduct the self assessment used to register for this general permit.

Note: Both a and b as used in this section, must be true in order for a Registrant to register for this General Permit using the self-assessment option. If neither is true, a Registrant cannot use the self-assessment option to comply with Section 3(b)(2) and Appendix A of the General Permit.

Limited One-Year Determination – Select this only if:

- a. The entity registering for this General Permit has obtained a limited one-year determination from the Department’s Wildlife Division regarding threatened and endangered species: i) within a year of the date of submitting this registration; or ii) more than 1 year before submitting this registration, but such determination has been extended by the Department within one year of the date of submitting this registration;

AND

- b. The Registrant has provided to the Department’s Wildlife Division any reasonably available verifiable scientific, or other credible information that the construction activity could reasonably be expected to have an adverse impact upon a federal or state species listed as threatened or endangered.

Provide the date the limited one-year determination was issued by the Department’s Wildlife Division _____;

or

Provide the date that the most recent extension to a limited one year determination was issued by the Department’s Wildlife Division _____.

Note: Both a and b as used in this section, must be true in order for a Registrant to register for this General Permit using the Limited One-Year Determination option. If a Limited One-Year Determination or extension to any such determination was issued by the Department’s Wildlife Division more than one year before the submission of this registration, a Registrant cannot use any such determination or extension to comply with Section 3(b)(2) and Appendix A of the General Permit.

ATTACHMENT C: THREATENED AND ENDANGERED SPECIES (continued)

- Select here if the Limited One-Year Determination issued by the Department includes a Mitigation Plan.**

Provide the date the Mitigation Plan was approved: _____

Governmental Entity Approving the Plan: _____

As of the date this Registration is submitted,

Has the Mitigation Plan been fully implemented? Yes No

Date commenced: _____ Date completed: _____

Is the Mitigation Plan partially implemented? Yes No

If yes, what actions have been taken? _____

And which actions are yet to be implemented and what is the timeframe for completion of such actions: _____

Is the Mitigation Plan yet to be implemented? Yes No

If yes, specify the timeframe for implementation: _____ to _____

And summarize actions to be implemented: _____

- Safe Harbor Determination - Select this only if:

- a. The entity registering for this General Permit has obtained a Safe Harbor Determination from the Department's Wildlife Division regarding threatened and endangered species: i) within 3 years of the date of submitting this registration; or ii) more than 3 years before submitting this registration, but within one-year of a one-year extension issued by the Department's Wildlife Division to a safe harbor determination;

AND

- b. The entity registering for this General Permit has provided to the Department's Wildlife Division any reasonably available verifiable scientific, or other credible information that the construction activity could reasonably be expected to have an adverse impact upon a federal or state species listed as threatened or endangered.

Provide the date the Department's Wildlife Division issued a Safe Harbor Determination: _____

If applicable, provide the date that any one-year extension to a Safe Harbor Determination was issued by the Department's Wildlife Division: _____.

Note: Both a and b as used in this section, must be true in order for a Registrant to register for this General Permit using the Safe Harbor Determination option. If a Safe Harbor Determination was issued by the Department's Wildlife Division more than three years before the submission of this registration, and has not been extended, a Registrant cannot use any such safe harbor to comply with section 3(b)(2) and Appendix A of this General Permit. If a Safe Harbor Determination was granted and extended for one-year, more than four years before the submission of this registration, a Registrant cannot use any such Safe Harbor Determination to comply with Section 3(b)(2) and Appendix A of the general permit.

ATTACHMENT C: THREATENED AND ENDANGERED SPECIES (continued)

- Select here if the safe harbor noted above includes a Mitigation Plan.**

Provide the date the Mitigation Plan was approved: _____

Governmental Entity Approving the Plan: _____

As of the date this Registration is submitted,

Has the Mitigation Plan been fully implemented? Yes No

Date commenced: _____ Date completed: _____

Is the Mitigation Plan partially implemented? Yes No

If yes, what actions have been taken? _____

And which actions are yet to be implemented and what is the timeframe for completion of such actions: _____

Is the Mitigation Plan yet to be implemented? Yes No

If yes, specify the timeframe for implementation: _____ to _____

And summarize actions to be implemented: _____

Natural Diversity Data Base Areas

MIDDLETOWN, CT

December 2014

-  State and Federal Listed Species & Significant Natural Communities
-  Town Boundary

NOTE: This map shows general locations of State and Federal Listed Species and Significant Natural Communities. Information on listed species is collected and compiled by the Natural Diversity Data Base (NDDB) from a number of data sources. Exact locations of species have been buffered to produce the general locations. Exact locations of species and communities occur somewhere in the shaded areas, not necessarily in the center. A new mapping format is being employed that more accurately models important riparian and aquatic areas and eliminates the need for the upstream/downstream searches required in previous versions.

This map is intended for use as a preliminary screening tool for conducting a Natural Diversity Data Base Review Request. To use the map, locate the project boundaries and any additional affected areas. If the project is within a shaded area there may be a potential conflict with a listed species. For more information, complete a Request for Natural Diversity Data Base State Listed Species Review form (DEP-APP-007), and submit it to the NDDB along with the required maps and information. More detailed instructions are provided with the request form on our website.

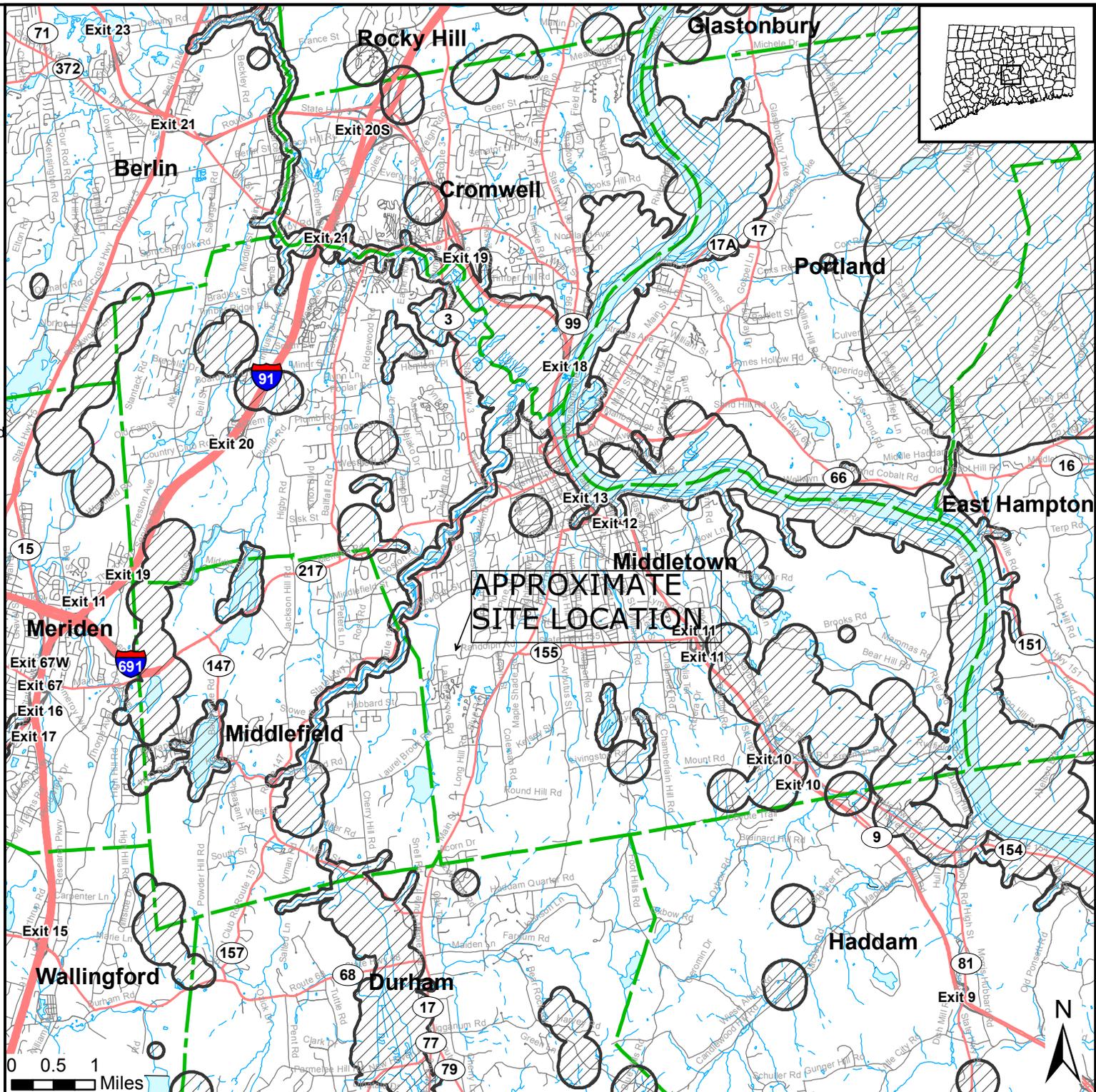
www.ct.gov/deep/nddbrequest

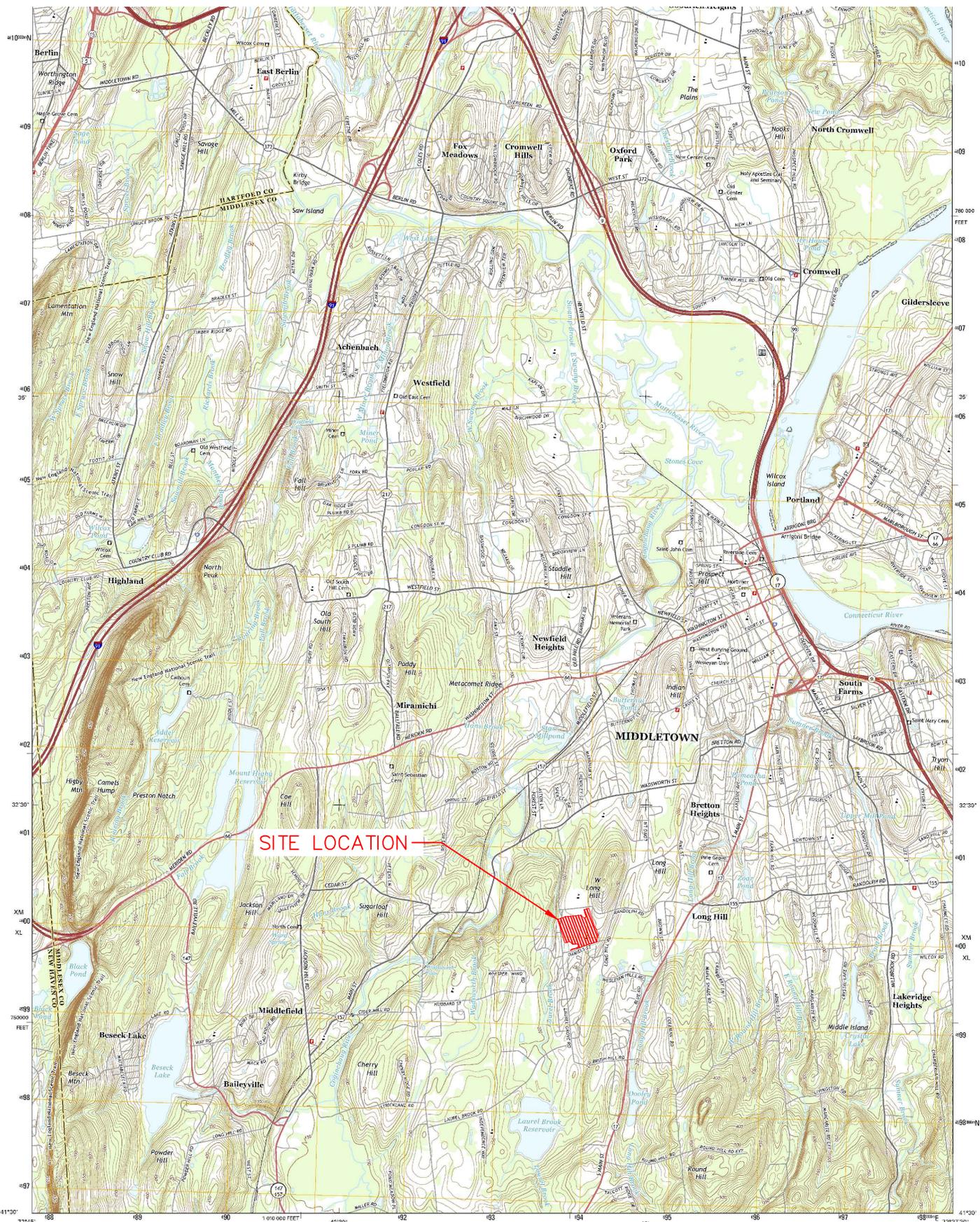
Use the CTECO Interactive Map Viewers at www.cteco.uconn.edu to more precisely search for and locate a site and to view aerial imagery with NDDB Areas.

QUESTIONS: Department of Energy and Environmental Protection (DEEP)
79 Elm St., Hartford CT 06106
Phone (860) 424-3011



Connecticut Department of Energy & Environmental Protection
Bureau of Natural Resources
Wildlife Division

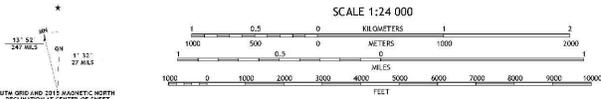




Produced by the United States Geological Survey
 North American Datum of 1983 (NAD83)
 World Geodetic System of 1984 (WGS84), Projection and
 1100-meter grid Universal Transverse Mercator, Zone 18T
 10 000-foot class: Connecticut Coordinate System of 1983

This map is not a legal document. Boundaries may be
 generated for this map scale. Private lands within government
 reservations may not be shown. Obtain permission before
 entering private lands.

Imagery: N.A.P. July 2014
 Railroads: HERE, ©2013 - 2014
 Names: HERE, ©2013 - 2014
 Hydrography: National Hydrography Dataset, 2014
 Contours: National Elevation Dataset, 2012
 Boundaries: Multiple sources, see metadata file 1972 - 2015



CONTOUR INTERVAL 10 FEET
 NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the
 National Geospatial Program US Topo Product Standard, 2011.
 A metadata file associated with this product is draft, version 0.6.18

1	2	3	1 New Britain
2	3	4	2 Hartford South
3	4	5	3 Glastonbury
4	5	6	4 Meriden
5	6	7	5 Middlefield
6	7	8	6 Wallingford
7	8	9	7 Durham
8	9	10	8 Middletown

ADJOINING QUADRANGLES

APPENDIX C – Plan Implementation Inspection Form

Stormwater Pollution Control Plan implementation Inspection Form

Vinal Technical High School Paving and Site Improvements

Name of qualified Professional Engineer or SESC Professional:	
Date of inspection:	Time of inspection:
Description of current construction activity:	

Site specific erosion and sedimentation control measures:

BMP	Implemented? (Yes/No)	Corrective Action Needed and Notes
Inlet protection		
Erosion control matting		
Turf establishment		
Perimeter silt fence		
Slope grading		
Temporary dewatering basin		
Outlet Protection		

Stormwater Pollution Control Plan implementation Inspection Form

Vinal Technical High School Paving and Site Improvements

BMP	Implemented? (Yes/No)	Corrective Action Needed and Notes
Retaining wall		
Water bar		
Temporary diversion		
Soil stockpile area		
Construction entrance		
Surface roughening		
Permanent Seeding		

General site assessment and review of work practices:

BMP / activity	Implemented? (Yes/No)	Corrective Action Needed and Notes
Is SWPCP plan located on site?		
Is rain gage located on site?		

Stormwater Pollution Control Plan implementation Inspection Form

Vinal Technical High School Paving and Site Improvements

BMP / activity	Implemented? (Yes/No)	Corrective Action Needed and Notes
Are discharge points and receiving waters free of any sediment deposits?		
Are provisions made for collection and disposal of trash and construction waste?		
Are washout facilities (e.g., paint, concrete) available, clearly marked, and maintained?		
Are vehicle and equipment fueling, cleaning, and maintenance areas clearly identified?		
Are provisions made to store materials that are potential stormwater contaminants inside or under cover?		

Certification Statement:

“I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in this document or its attachments may be punishable as a criminal offense, in accordance with section 22a-6 of the Connecticut General Statutes, pursuant to section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute.”

Name of qualified Professional Engineer or SESC Professional:	
Signature:	Date:

APPENDIX D – Routine Inspection Form and Sample Stormwater
Monitoring Reports

Stormwater Pollution Control Plan Routine Inspection Form

Vinal Technical High school Paving and Site Improvements

Name of qualified inspector:	
Date of inspection:	Time of inspection:
Weather at time of Inspection:	Temperature:
Date and time of last storm event:	
Storm duration and amount of precipitation (inches):	
Describe any stormwater discharges since last inspection:	
Description of current construction activity:	

Site specific erosion and sedimentation control measures:

BMP	Implemented? (Yes/No)	Maintenance Required? (Yes/No)	Corrective Action Needed and Notes
Inlet protection			
Erosion control matting			
Turf establishment			
Perimeter silt fence			

Stormwater Pollution Control Plan Routine Inspection Form

Vinal Technical High school Paving and Site Improvements

BMP	Implemented? (Yes/No)	Maintenance Required? (Yes/No)	Corrective Action Needed and Notes
Slope grading			
Temporary dewatering basin			
Outlet Protection			
Retaining wall			
Water bar			
Temporary diversion			
Soil stockpile area			
Construction entrance			
Surface roughening			
Permanent Seeding			

Stormwater Pollution Control Plan Routine Inspection Form

Vinal Technical High school Paving and Site Improvements

General site assessment and review of work practices:

BMP / activity	Implemented? (Yes/No)	Maintenance Required? (Yes/No)	Corrective Action Needed and Notes
Are discharge points and receiving waters free of any sediment deposits?			
Is trash/litter from work areas collected and placed in covered dumpsters?			
Are washout facilities (e.g., paint, concrete) available, clearly marked, and maintained?			
Is the construction exit preventing sediment from being tracked into the street?			
Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?			
Are materials that are potential stormwater contaminants stored inside or under cover?			
Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?			

Stormwater Pollution Control Plan Routine Inspection Form

Vinal Technical High school Paving and Site Improvements

Site in compliance with stormwater pollution control plan? (Circle)	Yes	No
---	-----	----

Certification Statement:

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in this document or its attachments may be punishable as a criminal offense, in accordance with section 22a-6 of the Connecticut General Statutes, pursuant to section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute."

Name of qualified inspector:	Title:
Signature:	Date:



**Connecticut Department of
Energy & Environmental Protection**
Bureau of Materials Management & Compliance Assurance
Water Permitting & Enforcement Division

**General Permit for the Discharge of Stormwater and Dewatering Wastewaters from
Construction Activities, issued 8/21/13, effective 10/1/13**
Stormwater Monitoring Report

SITE INFORMATION

Permittee: _____
 Mailing Address: _____
 Business Phone: _____ ext.: _____ Fax: _____
 Contact Person: _____ Title: _____
 Site Name: _____
 Site Address: _____
 Receiving Water (name, basin): _____
 Stormwater Permit No. GSN _____

SAMPLING INFORMATION (Submit a separate form for each outfall)

Outfall Designation: 1 _____ Date/Time Collected: _____
 Outfall Location(s) (lat/lon or map link): -72.67667,41.152931 _____
 Person Collecting Sample: _____
 Storm Magnitude (inches): _____ Storm Duration (hours): _____
 Size of Disturbed Area at any time: _____

MONITORING RESULTS

Sample #	Parameter	Method	Results (units)	Laboratory (if applicable)
1	Turbidity			
2	Turbidity			
3	Turbidity			
4	Turbidity			

(provide an attachment if more than 4 samples were taken for this outfall)

Avg = _____

STATEMENT OF ACKNOWLEDGMENT

I certify that the data reported on this document were prepared under my direction or supervision in accordance with the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities. The information submitted is, to the best of my knowledge and belief, true, accurate and complete.

Authorized Official: _____
 Signature: _____ Date: _____

Please send completed form to:

DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION
 BUREAU OF MATERIALS MANAGEMENT AND COMPLIANCE ASSURANCE
 79 ELM STREET
 HARTFORD, CT 06106-5127
 ATTN: NEAL WILLIAMS



**Connecticut Department of
Energy & Environmental Protection**
Bureau of Materials Management & Compliance Assurance
Water Permitting & Enforcement Division

**General Permit for the Discharge of Stormwater and Dewatering Wastewaters from
Construction Activities, issued 8/21/13, effective 10/1/13**
Stormwater Monitoring Report

SITE INFORMATION

Permittee: _____
 Mailing Address: _____
 Business Phone: _____ ext.: _____ Fax: _____
 Contact Person: _____ Title: _____
 Site Name: _____
 Site Address: _____
 Receiving Water (name, basin): _____
 Stormwater Permit No. GSN _____

SAMPLING INFORMATION (Submit a separate form for each outfall)

Outfall Designation: 2 _____ Date/Time Collected: _____
 Outfall Location(s) (lat/lon or map link): -72.67482,41.152961 _____
 Person Collecting Sample: _____
 Storm Magnitude (inches): _____ Storm Duration (hours): _____
 Size of Disturbed Area at any time: _____

MONITORING RESULTS

Sample #	Parameter	Method	Results (units)	Laboratory (if applicable)
1	Turbidity			
2	Turbidity			
3	Turbidity			
4	Turbidity			

(provide an attachment if more than 4 samples were taken for this outfall)

Avg = _____

STATEMENT OF ACKNOWLEDGMENT

I certify that the data reported on this document were prepared under my direction or supervision in accordance with the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities. The information submitted is, to the best of my knowledge and belief, true, accurate and complete.

Authorized Official: _____
 Signature: _____ Date: _____

Please send completed form to:

DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION
 BUREAU OF MATERIALS MANAGEMENT AND COMPLIANCE ASSURANCE
 79 ELM STREET
 HARTFORD, CT 06106-5127
 ATTN: NEAL WILLIAMS

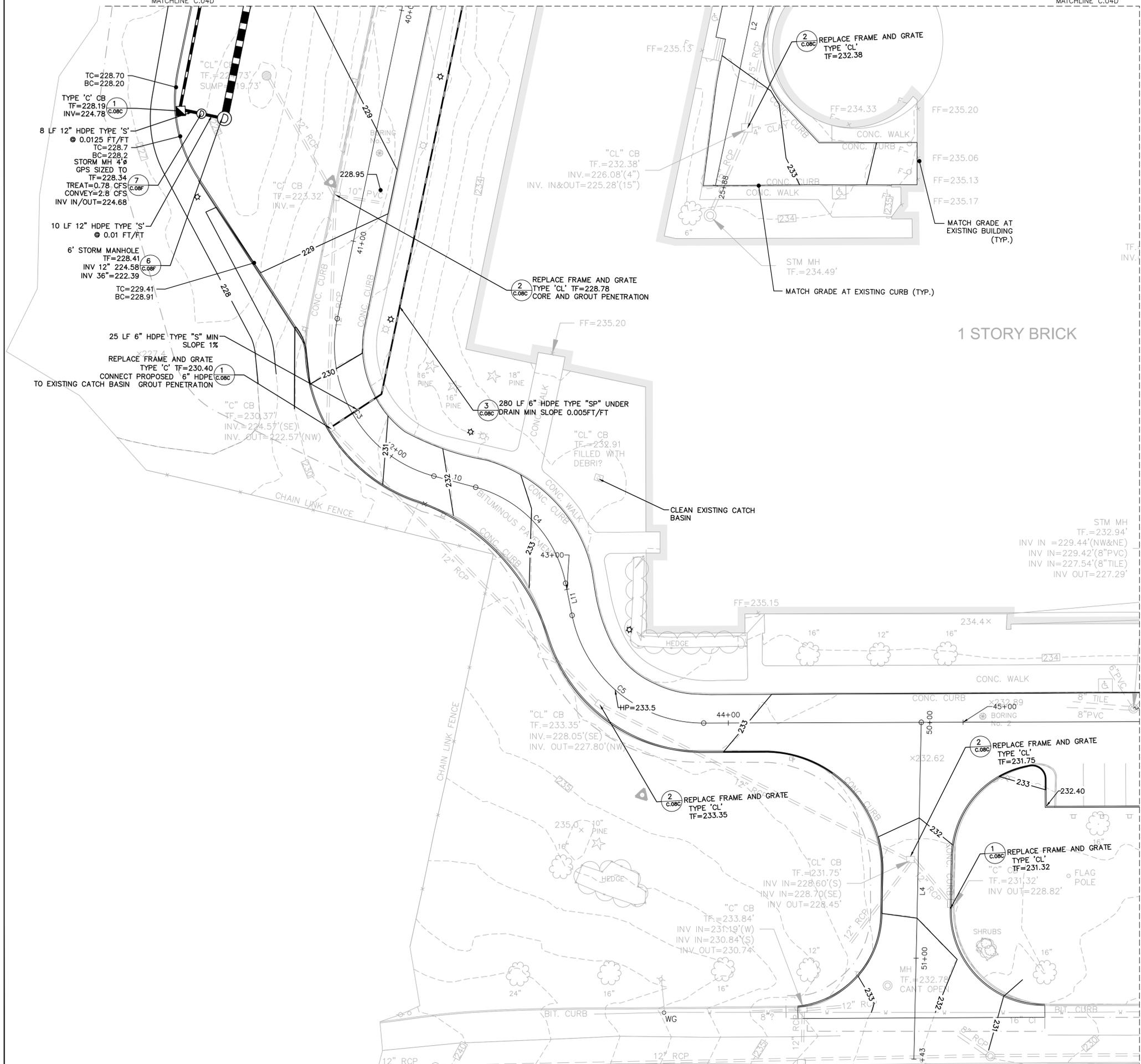
APPENDIX E – Site Plan and Relevant Plans from the Construction Documents

MATCHLINE C.04D

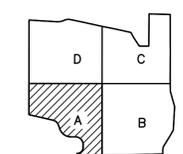
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MATCHLINE C.04B

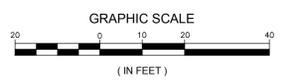
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HEAVY CLEANING



KEY PLAN



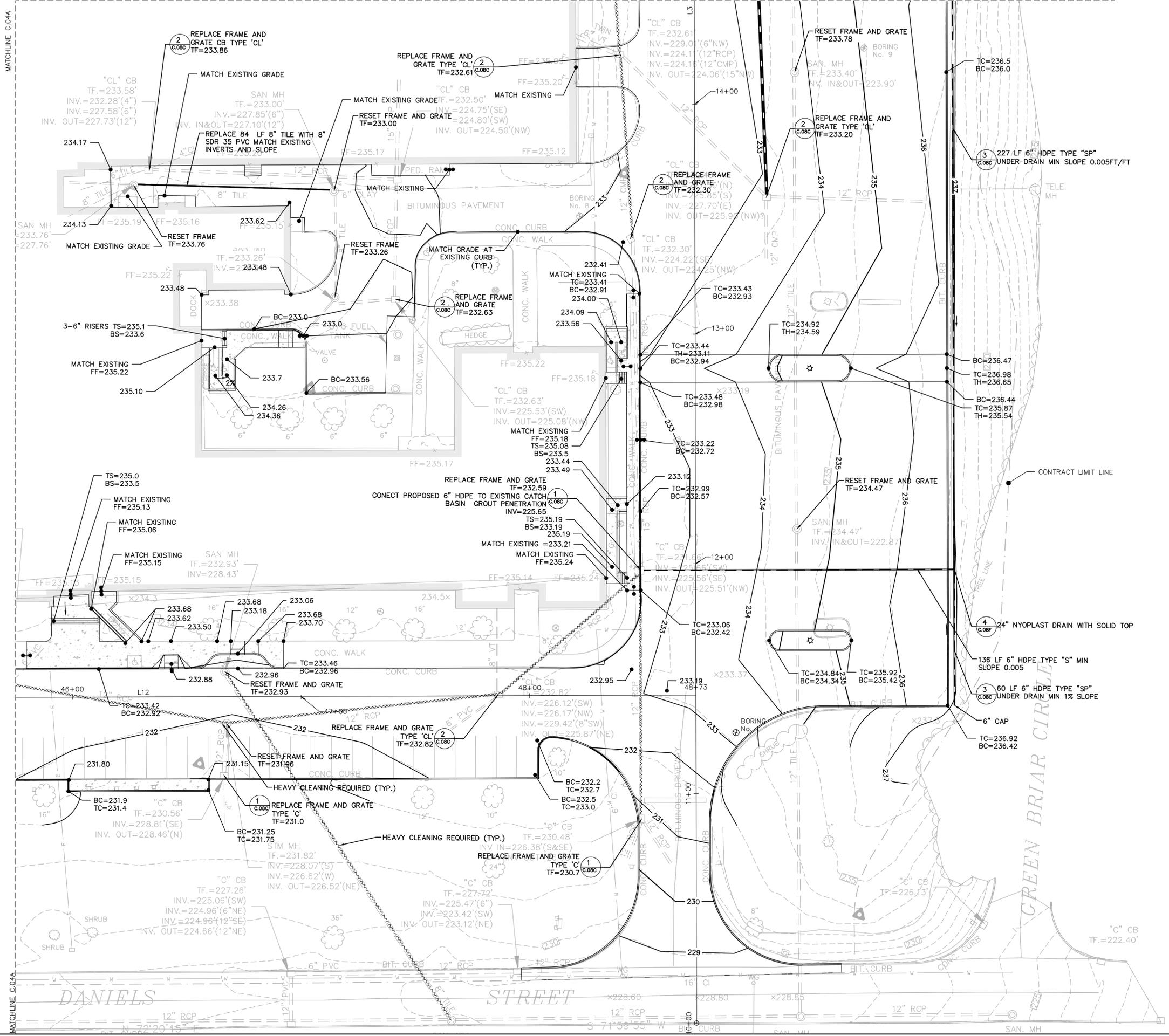
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REVISIONS			
mark	date	description	
drawing prepared by DIVERSIFIED TECHNOLOGY CONSULTANTS 2321 WHITNEY AVENUE HAMDEN, CT		date 10/05/2015	scale 1"=20'
project VINAL TECHNICAL HIGH SCHOOL PAVING AND SITE IMPROVEMENTS MIDDLETOWN, CT		drawn by CJS	approved by MDE
CAD no. 13-378-GD.dwg		project no. BL-RT-873	C.04A

MATCHLINE C.04C

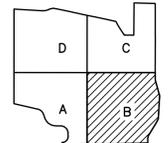
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MATCHLINE C.04A

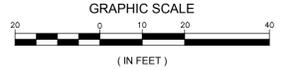
MATCHLINE C.04A



HEAVY CLEANING



KEY PLAN



drawing title		
GRADING PLAN		
REVISIONS		
mark	date	description

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES

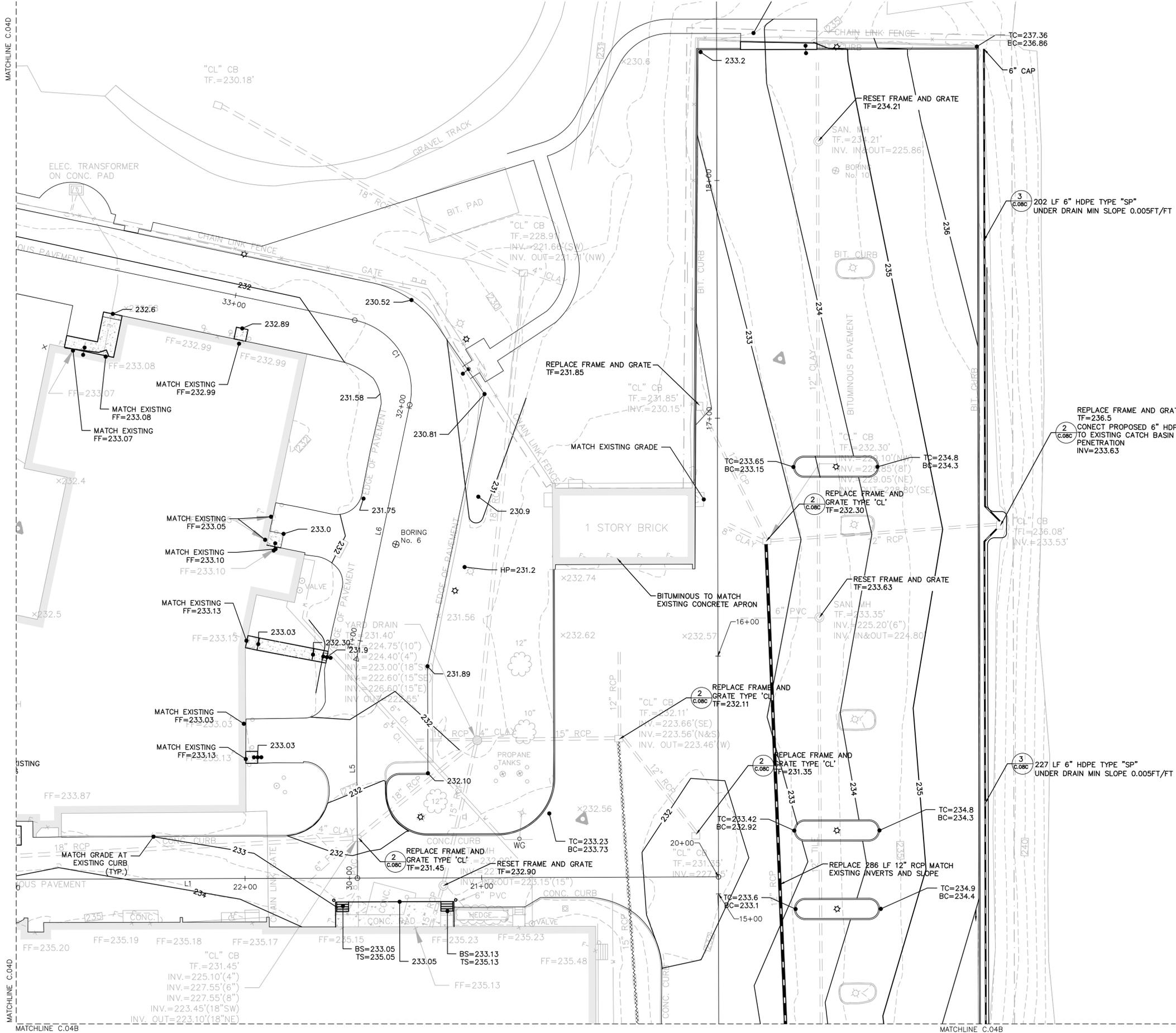
drawing prepared by
DIVERSIFIED TECHNOLOGY CONSULTANTS
2321 WHITNEY AVENUE
HAMDEN, CT

project
**VINAL TECHNICAL HIGH SCHOOL
PAVING AND SITE IMPROVEMENTS**
MIDDLETOWN, CT

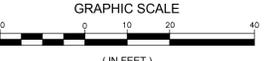
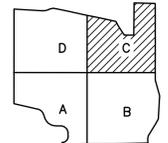
CAD no.
13-378-GD.dwg

project no.
BL-RT-873

date
10/05/2015
scale
1"=20'
drawn by
CJS
approved by
MDE
drawing no.
C.04B



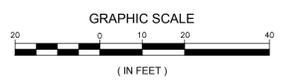
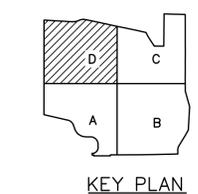
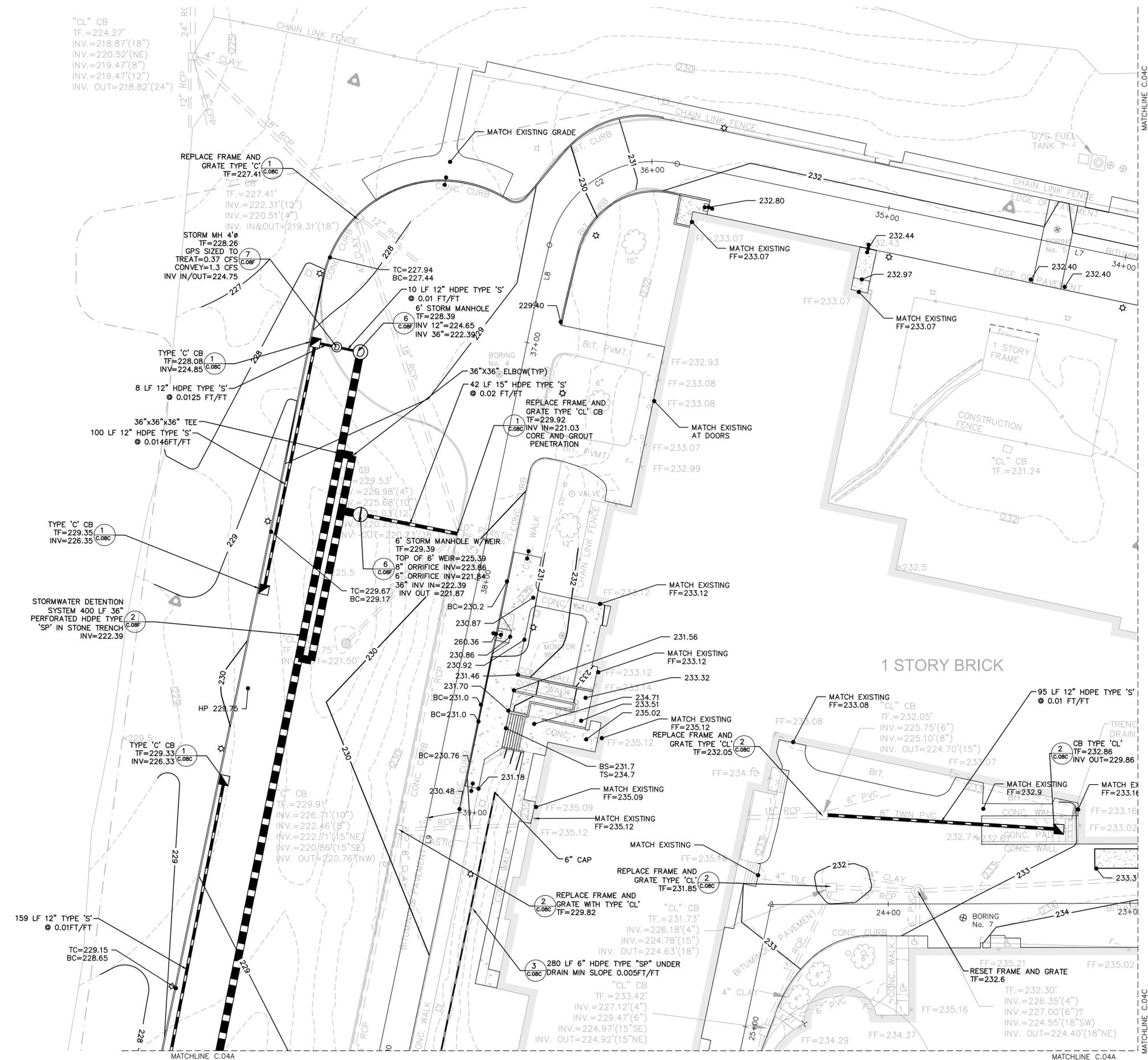
HEAVY CLEANING



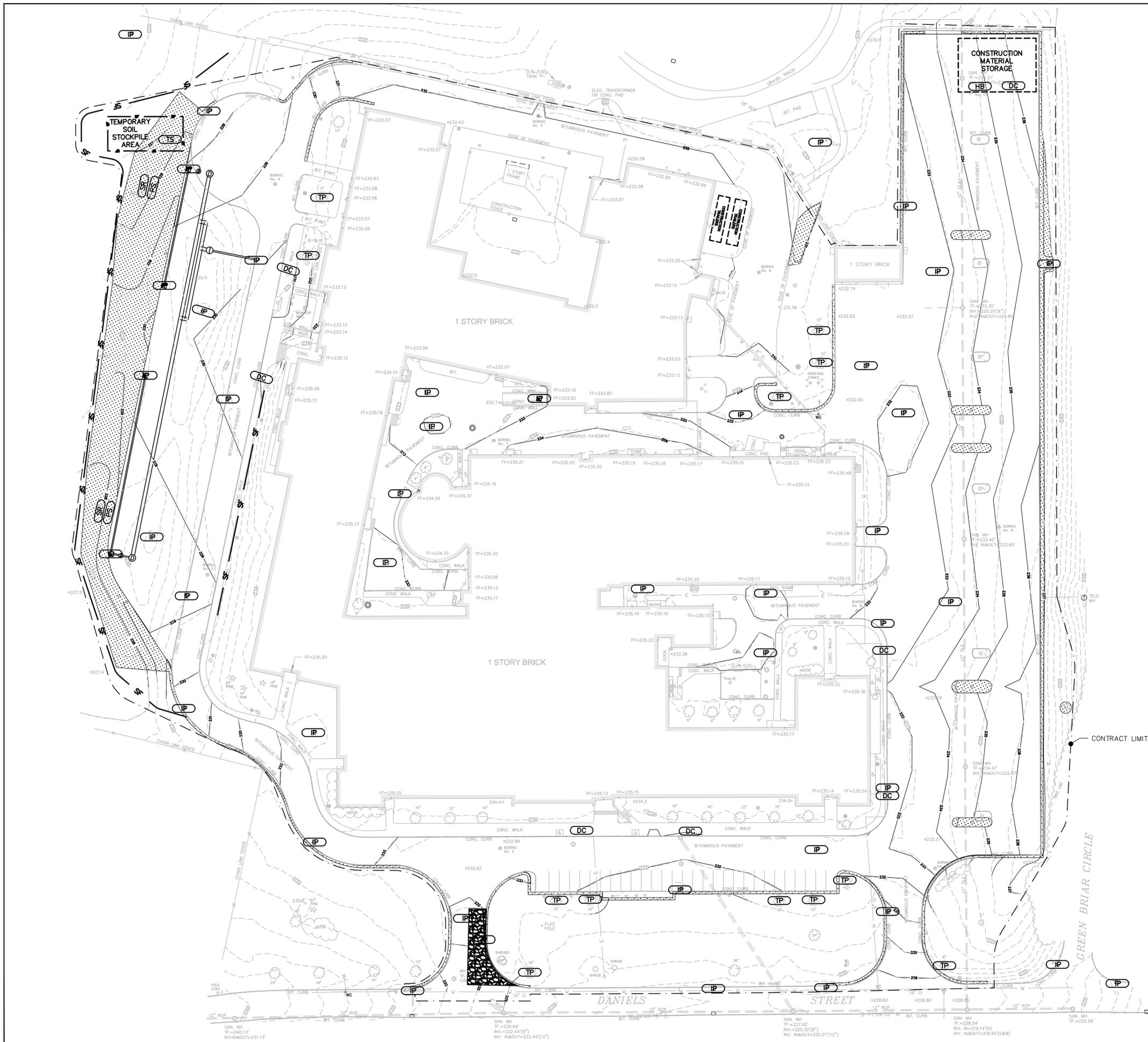
drawing title GRADING PLAN		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS			
mark	date	description	
drawing prepared by DIVERSIFIED TECHNOLOGY CONSULTANTS 2321 WHITNEY AVENUE HAMDEN, CT		date 10/05/2015	scale 1"=20'
project VINAL TECHNICAL HIGH SCHOOL PAVING AND SITE IMPROVEMENTS MIDDLETOWN, CT		drawn by CJS	approved by MDE
CAD no. 13-378-GD.dwg		project no. BL-RT-873	C.04C



"CL" CB
 TF.=224.27'
 INV.=218.87'(18")
 INV.=220.52'(NE)
 INV.=219.47'(8")
 INV.=219.47'(12")
 INV. OUT=218.82'(24")



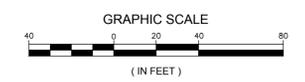
drawing title GRADING PLAN		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS		drawing prepared by DIVERSIFIED TECHNOLOGY CONSULTANTS 2321 WHITNEY AVENUE HAMDEN, CT	
mark	date	description	date 10/05/2015 scale 1"=20'
			drawn by CJS approved by MDE drawing no. C.04D
project VINAL TECHNICAL HIGH SCHOOL PAVING AND SITE IMPROVEMENTS MIDDLETOWN, CT		CAD no. 13-378-GD.dwg project no. BL-RT-873	



LEGEND
 REFER TO 2002 CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL FOR DETAILS, NOT ALL LISTED MEASURES ARE USED IN THIS PHASE

- (GSF) GEOTEXTILE SILT FENCE
- (HB) HAYBALE
- (CE) CONSTRUCTION ENTRANCE
- (TP) TREE PROTECTION
- (SR) SURFACE ROUGHENING
- (TS) TEMPORARY SEEDING
- (PS) PERMANENT SEEDING
- (DC) DUST CONTROL
- (SCD) STONE CHECK DAM
- (IP) INLET PROTECTION

- GRAPHIC LEGEND**
- SF — GEOTEXTILE SILT FENCE
 - [Pattern] CONSTRUCTION ENTRANCE



drawing title SEDIMENT AND EROSION CONTROL PLAN		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS		drawing prepared by DIVERSIFIED TECHNOLOGY CONSULTANTS 2321 WHITNEY AVENUE HAMDEN, CT	
mark	date	description	date
			10/05/2015
project VINAL TECHNICAL HIGH SCHOOL PAVING AND SITE IMPROVEMENTS MIDDLETOWN, CT		scale 1"=40'	
CAD no. 13-378-SE.dwg		project no. BI-RT-873	drawn by CJS
			approved by MDE
			drawing no. C.05A

SOIL EROSION AND SEDIMENTATION CONTROL NARRATIVE

SECTION A: DEFINITION OF RESPONSIBLE PARTIES

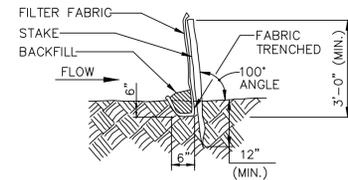
1. Permittee: Shall mean the Owner, which is the Department of Construction Services
2. Site Monitor: Shall mean the person or firm assigned by the Owner to monitor adherence to the permit conditions.
3. General Contractor: Shall mean the construction firm responsible for the construction of the proposed improvements and implementation and maintenance of this Soil Erosion and Sedimentation Control Plan.
4. Engineer: Shall mean design engineer of record.

SECTION B: GENERAL NOTES

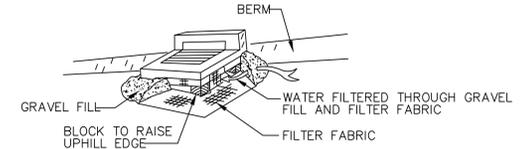
1. Prior to the start of each phase of construction, a pre-construction meeting involving representatives from the Commission, the Site Monitor, General Contractor, the Engineer and the Wetland Scientist will be held to review the site plans and procedures.
2. Field staking of improvements shall be completed prior to any disturbances of soil or vegetation by a Connecticut Licensed Land Surveyor and will include the following:
 - 2.1 Centerline of new construction features (sanitary manholes, access roadway, limits of clearing and siltation fencing)
 - 2.2 Establishment of reference bench marks
 - 2.3 Layout of grading grid (centerline and cross-sections)
 - 2.4 Limits of wetlands and watercourses
3. Land disturbance will be kept to a minimum; re-stabilization will be scheduled as soon as practical.
4. Silt fence will be installed along the toe of all critical cut and fill slopes, soil stockpile areas, and in those areas shown on the plans or as directed by the site Monitor or the owner.
5. Actual locations and the application of erosion control devices shall be determined in the field prior to the start of construction based on the erosion and sediment control strategy and criteria.
6. Limits of disturbance shall be flagged in the field and verified prior to initiation of construction.
7. Erosion and sediment control devices shall be installed prior to any land disturbance or grading of the site.
8. All graded areas not stabilized with stone slope protection with slopes steeper than 3 horizontal to 1 vertical shall be stabilized with an erosion control blanket.
9. When all surfaces are permanently stabilized. Any remaining sediment and erosion control devices shall be removed and all trapped sediment shall be removed. All catch basin sumps shall be cleaned.
10. All construction activities shall comply with the "City of Middletown zoning regulations". Sediment removed from control structures will be disposed of in a manner that is consistent with Federal, State and Local Regulations.
11. Where construction activities have permanently ceased or have temporarily been suspended for more than seven days, or when final grades are reached in any portion of the site, stabilization practices shall be implemented within three days. Stabilization measures include seeding during the growing season or application of mulch during the winter months. Temporary seeding, or mulch for seed procedures described in the "Guidelines for Soil Erosion and Sediment Control. Handbook", 2002 or as amended shall be implemented for areas where work will resume within one year. When slopes are less than 3:1, wood chips, bark chips or shredded bark may be used. Surfaces where work will resume after one year shall implement the permanent seeding or mulch for seed measures outlined in "Guidelines for Soil Erosion and Sediment Control. Handbook", 2002 or as amended.
12. All erosion and sediment control measures shall be constructed in accordance with the standard and specifications of the State of Connecticut DEEP - "Guidelines for Soil Erosion and Sediment Control. Handbook", 2002 or as amended.
13. All control measures will be maintained in effective condition throughout the construction period.
14. Additional control measures will be installed during the construction period if necessary or required. A minimum of an additional 300 feet of silt fence shall be stored at the site for emergency use.
15. Before anticipated storm events, a minimum of once per week, and within 24 hours of a storm event 0.5 inches or greater, the Site Monitor shall inspect all erosion and sediment controls. The General Contractor is to repair, replenish or replacement erosion controls as directed by the Site Monitor in advance of the anticipated storm event.
16. Any excavations that must be dewatered will be pumped into an active drainage system or dispersed in an undisturbed field area. The inlets of all pumps are to be floated a minimum 24 inches off the bottom of the excavation. Pump discharges shall be controlled with a pump settling basin or portable sediment tank as described in the Guidelines for Soil Erosion and Sediment Control. Handbook, 2002 or as amended.
17. The General Contractor is responsible for dust control during the construction process. The Site Monitor shall inspect the site to assure dust is adequately controlled. If the Owners representative feels dust control measures are not adequate the contractor shall be required to increase these measures as directed by the owner.
18. 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. A typical practice to be followed during site grading will be to follow the earth moving equipment with a water truck to immediately wet the new disturbed area.
 - All heavy equipment storage, refueling, and minor maintenance is to take place no closer than 100 feet from a wetland or watercourse. See section C below.
19. The contractor shall clean/sweep daily all on-site paved roads which are used for the duration of the project by construction traffic. Institute a maximum on site speed limit of 10-miles per hour.
20. Debris and other wastes resulting from equipment maintenance and construction activities will not be discarded on-site.
21. Fill material shall be free of brush, rubbish, rocks, logs, stumps, building debris and other unsuitable materials that would interfere with or prevent construction of satisfactory fills.
22. When all graded areas are permanently stabilized, remove all erosion and sediment controls. Remove trapped sediment.
23. It shall be the responsibility of the General Contractor to ensure proper implementation of the soil erosion and sediment controls as shown on this plan; and shall include but not be limited to installation and maintenance of control measures. Informing all parties of such requirements and notification of any transfer of this responsibility to other parties.
24. Recommended seed mixture: Futura 2000 by the Chas. C. Hart containing the following varieties of perennial ryegrass: Cutter, Express, Edge and Fiesta III. And express. A seeding rate of 5-7 pounds per 1,000 square feet is recommended.
25. Apply seed for a vegetative cover on storage piles, especially those that will remain dormant for an extended period.
26. Dewatering procedures shall be conducted in a manner that "insures no dewatering waste water is directly discharged into any wetland or waterbody. The measures shall be conducted in accordance with the dewatering plan submitted by the contractor as part of the contract documents.
27. Soil types where identified in the United States Department of Agriculture, Soil Conservation Service and field checked with soil borings and test pits.
28. A stormwater management system maintenance schedule shall be implemented and officially recorded by the Site Monitor. The schedule shall include as a minimum:
 - 30 All elements of the stormwater management system shall be inspected monthly.
 - monthly inspection of all stormwater structures and outfalls shall be conducted for floating or surface debris or sediment.
 - 31 Structures and outfalls shall be cleaned of sediment and debris at least once a year during the month of April and at other times as necessary to prevent the discharge of pollutants from structures or outfalls.
 - 32 All parking areas, sidewalks, driveways, and other impervious areas (except roofs) shall be swept clean of sand, litter and other possible pollutants at least twice a year, once between November 14 and December 15 (after leaf fall) and once during the month of April (after snow melt) and at other times as directed by the City of Middletown.
 - 33 The General Contractor, as agent for the Owner, is assigned the responsibility for implementing this erosion and sediment control plan. This responsibility includes installation and maintenance of control measures, informing all parties engaged on the construction site of the requirements and objectives of the plan, notifying the planning and wetlands commissions of any transfer of this responsibility and for conveying a copy of the Soil Erosion and Sedimentation Control Plan, if and when the title of land is transferred.
 - 34 To minimize potential soil erosion impacts, site work should occur when soils are not seasonally saturated (eg, minimize soil disturbance in late spring). Work in and around the vernal pools should be avoided during the amphibian breeding season.
 - 35 The functional completion of the stormwater detention systems or sediment basins shall precede site development of areas, roads, or lots contributing to these systems.

SECTION C: SOIL AND CHEMICAL SPILL RESPONSE PROVISIONS

1. The contractor must have at least 30 feet of clean, unused, absorbent spill response blanket available onsite at all times. The width of the blanket shall be at least 36 inches.
2. The following actions shall be taken simultaneously should a spill occur:
 - 2.1 Immediately notify the following parties, stating location of spill, estimated amount of material spilled, type of material spilled, and the status of the spill:
 - 2.1.1 Connecticut Department of Environmental Protection Oil and Chemical Spills Unit: (860) 566-3338.
 - 2.1.2 Connecticut Department of Health Services (860) 566-1253 (Monday - Friday: 8:00 am to 4:30 pm) Or (860) 566-4800 (for all other times).
 - 2.1.2 Middletown Fire Department (860) 343-8007
 - 2.2 Contain and/or remove the spilled material using on-site spill response equipment (e.g. Booms, blankets, etc.)
3. No refueling, servicing or overnight storage of vehicles or machinery shall be allowed within 100 feet of any watercourse. Refueling will be done on an impervious surface. Absorbent spill blanket material will be placed next to the refueling activity to be used to contain and remove any potential spillage.
4. Storage of oil, gasoline, paint, or other hazardous material shall not be allowed within 100 feet of any watercourse.
5. Secondary containment shall be provided for all oil, paint, gasoline or other hazardous material containers.
6. The discharge from all water-cooled saws shall be contained in such a manner to prevent the discharge from entering any watercourse.



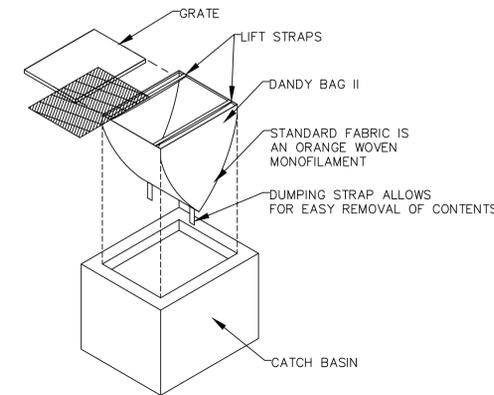
- A) MINIMUM LENGTH OF SILT FENCE IS 15 L.F.
 - B) MAXIMUM POST SPACING IS 10 L.F.
 - C) JOINTS ONLY AT SUPPORT POST WITH MINIMUM 6" OVERLAP, SECURELY SEALED.
 - D) SEDIMENTATION DEPOSITS SHALL BE REMOVED WHEN THEY REACH 1/2 THE HEIGHT OF THE SILT FENCE.
- SILT FENCE SHALL NOT BE USED IN A WATER COURSE.
- UPON ESTABLISHMENT OF GROUND COVER ON DISTURBED AREAS, AND WHEN DIRECTED BY THE ENGINEER, FENCE WILL BE REMOVED AND ANY SEDIMENTATION WILL BE THINLY SPREAD UPON EXISTING GROUND COVER.



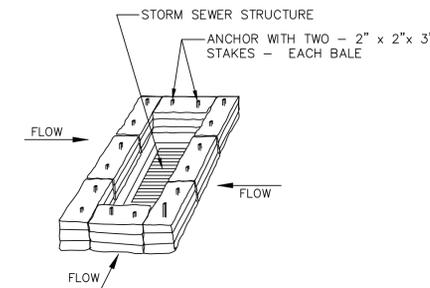
WHERE DIRECTED BY ENGINEER, CONTRACTOR SHALL CONSTRUCT A STONE DIKE IN LIEU OF THE FILTER FABRIC CHECK DAM.

NOTE: RAISE AND PROTECT CATCH BASIN TOPS WITH CRUSHED STONE AS SOON AS POSSIBLE TO PERMIT DRAINAGE TO ENTER STORM SYSTEMS, WHEN ROADWAY IS BROUGHT UP TO SUBBASE BEFORE PAVING.

1 SILT FENCE INSTALLATION
NTS



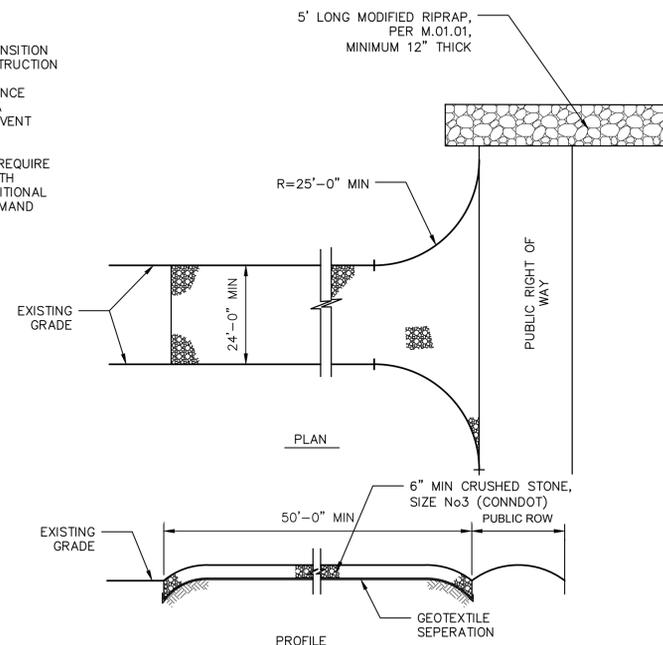
SILT SACK INSTALLATION AT CATCH BASIN



HAY BALE INSTALLATION AT CATCH BASIN

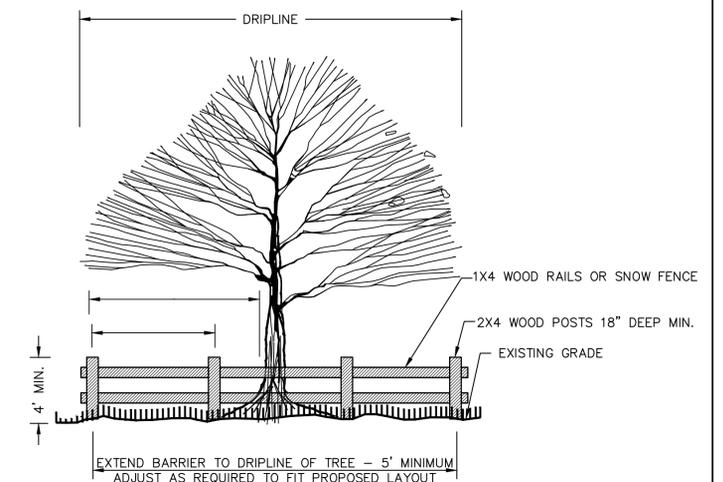
3 INLET PROTECTION DETAILS
NTS

NOTES:
PROVIDE APPROPRIATE TRANSITION BETWEEN STABILIZED CONSTRUCTION ENTRANCE AND PUBLIC RIGHT-OF-WAY THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND AND



4 ANTI-TRACKING PAD / CONSTRUCTION ENTRANCE
NTS

2 SEDIMENTATION CONTROL SYSTEM FOR CATCH BASINS
NTS



NOTES:
1. PROVIDE BARRICADE AROUND EXISTING TREES TO REMAIN UNDISTURBED.

5 TREE PROTECTION
NTS

drawing title SEDIMENT AND EROSION CONTROL DETAILS.		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS		drawing prepared by DIVERSIFIED TECHNOLOGY CONSULTANTS	
mark	date	description	date 10/05/2015
			scale
project		2321 WHITNEY AVENUE HAMDEN, CT	
		drawn by CJS	
		approved by MDE	
		drawing no. C.05B	
CAD no. 13-378-SE.dwg		project no. BI-RT-873	

APPENDIX F – Supporting Calculations



HEC-HMS

Project : Vinal
Basin Model : Vinal
Oct 01 16:13:51 EDT 2015



Basin: Vinal

Last Modified Date: 27 August 2015
Last Modified Time: 15:26:42
Version: 3.5
Filepath Separator: \
Unit System: English
Missing Flow To Zero: No
Enable Flow Ratio: No
Allow Blending: No
Compute Local Flow At Junctions: No

Enable Sediment Routing: No

Enable Quality Routing: No

End:

Subbasin: E

Description: Ex
Canvas X: -3502.5380710659897
Canvas Y: 3604.0609137055835
Area: 0.001578

Canopy: None

Surface: None

LossRate: SCS
Percent Impervious Area: 0.0
Curve Number: 81

Transform: SCS
Lag: 15
Unitgraph Type: STANDARD

Baseflow: None

End:

Subbasin: P

Description: Ex
Canvas X: -1354.961832061069
Canvas Y: 3549.618320610687
From Canvas X: 2233.5025380710663
From Canvas Y: 63.451776649746535
Area: 0.001578
Downstream: Reservoir-1

Canopy: None

Surface: None

LossRate: SCS
Percent Impervious Area: 0.0
Curve Number: 98

Transform: SCS
Lag: 10
Unitgraph Type: STANDARD

Baseflow: None

End:

Reservoir: Reservoir-1

Canvas X: -1256.3451776649745
Canvas Y: 2296.954314720812
Downstream: Junction-1

Route: Controlled Outflow
Routing Curve: Elevation-Storage
Initial Elevation: 223
Elevation-Storage Table: Table 1
Adaptive Control: On
Main Tailwater Condition: None
Auxiliary Tailwater Condition: None

Conduit: Orifice
Conduit Outlet: Main
Orifice Coefficient: 0.6
Orifice Area: 0.19
Centerline Elevation: 222.75
Number Barrels: 1
End Conduit:

Conduit: Orifice
Conduit Outlet: Main
Orifice Coefficient: 0.6
Orifice Area: 0.349
Centerline Elevation: 224.8
Number Barrels: 1
End Conduit:

Spillway: Broad-Crested Spillway
Spillway Outlet: Main
Spillway Crest Length: 6
Spillway Crest Elevation: 226
Spillway Coefficient: 3
End Spillway:

Evaporation Method: Zero Evaporation
End Evaporation:

End:

Junction: Junction-1

Canvas X: -1205.5837563451778
Canvas Y: 862.9441624365481

End:

Basin Schematic Properties:

Last View N: 5000.0

Last View S: -5000.0
Last View W: -5000.0
Last View E: 5000.0
Maximum View N: 5000.0
Maximum View S: -5000.0
Maximum View W: -5000.0
Maximum View E: 5000.0
Extent Method: Elements
Buffer: 0
Draw Icons: Yes
Draw Icon Labels: Yes
Draw Map Objects: No
Draw Gridlines: No
Draw Flow Direction: No
Fix Element Locations: No
Fix Hydrologic Order: No

End:

Control_1.control

Control: Control 1

Last Modified Date: 26 August 2015

Last Modified Time: 20:08:45

Version: 3.5

Start Date: 31 December 2014

Start Time: 24:00

End Date: 2 January 2015

End Time: 24:00

Time Interval: 1

State Grid Write Interval: 1

End:

2YR.met

Meteorology: 2YR

Last Modified Date: 26 August 2015

Last Modified Time: 20:06:28

Version: 3.5

Unit System: English

Precipitation Method: SCS Storm

Short-Wave Radiation Method: None

Long-Wave Radiation Method: None

Snowmelt Method: None

Evapotranspiration Method: No Evapotranspiration

Use Basin Model: Vinal

End:

Precip Method Parameters: SCS Storm

Storm Depth: 3.3

Storm Type: Type III

End:

Subbasin: E

Begin Snow: None

End:

Subbasin: P

Begin Snow: None

End:

10YR.met

Meteorology: 10YR

Last Modified Date: 26 August 2015

Last Modified Time: 20:06:53

Version: 3.5

Unit System: English

Precipitation Method: SCS Storm

Short-Wave Radiation Method: None

Long-Wave Radiation Method: None

Snowmelt Method: None

Evapotranspiration Method: No Evapotranspiration

Use Basin Model: Vinal

End:

Precip Method Parameters: SCS Storm

Storm Depth: 5

Storm Type: Type III

End:

Subbasin: E

Begin Snow: None

End:

Subbasin: P

Begin Snow: None

End:

100YR.met

Meteorology: 100YR

Last Modified Date: 26 August 2015

Last Modified Time: 20:07:08

Version: 3.5

Unit System: English

Precipitation Method: SCS Storm

Short-Wave Radiation Method: None

Long-Wave Radiation Method: None

Snowmelt Method: None

Evapotranspiration Method: No Evapotranspiration

Use Basin Model: Vinal

End:

Precip Method Parameters: SCS Storm

Storm Depth: 7.1

Storm Type: Type III

End:

Subbasin: E

Begin Snow: None

End:

Subbasin: P

Begin Snow: None

End:

Project: Vinal Simulation Run 2

Start of Run: 01Jan2015, 00:00

Basin Model: Vinal

End of Run: 03Jan2015, 00:00

Meteorologic Model: 2YR

Compute Time: 27Aug2015, 11:26:59

Control Specifications: Control 1

Hydrologic Element	Drainage Area (MI ²)	Peak Discharge (CFS)	Time of Peak	Volume (AC-FT)
E	0.001578	1.2	01Jan2015, 12:18	0.1
P	0.001578	2.4	01Jan2015, 12:11	0.3
Reservoir-1	0.001578	1.1	01Jan2015, 12:29	0.3
Junction-1	0.001578	1.1	01Jan2015, 12:29	0.3

Project: Vinal

Simulation Run: 2 Reservoir: Reservoir-1

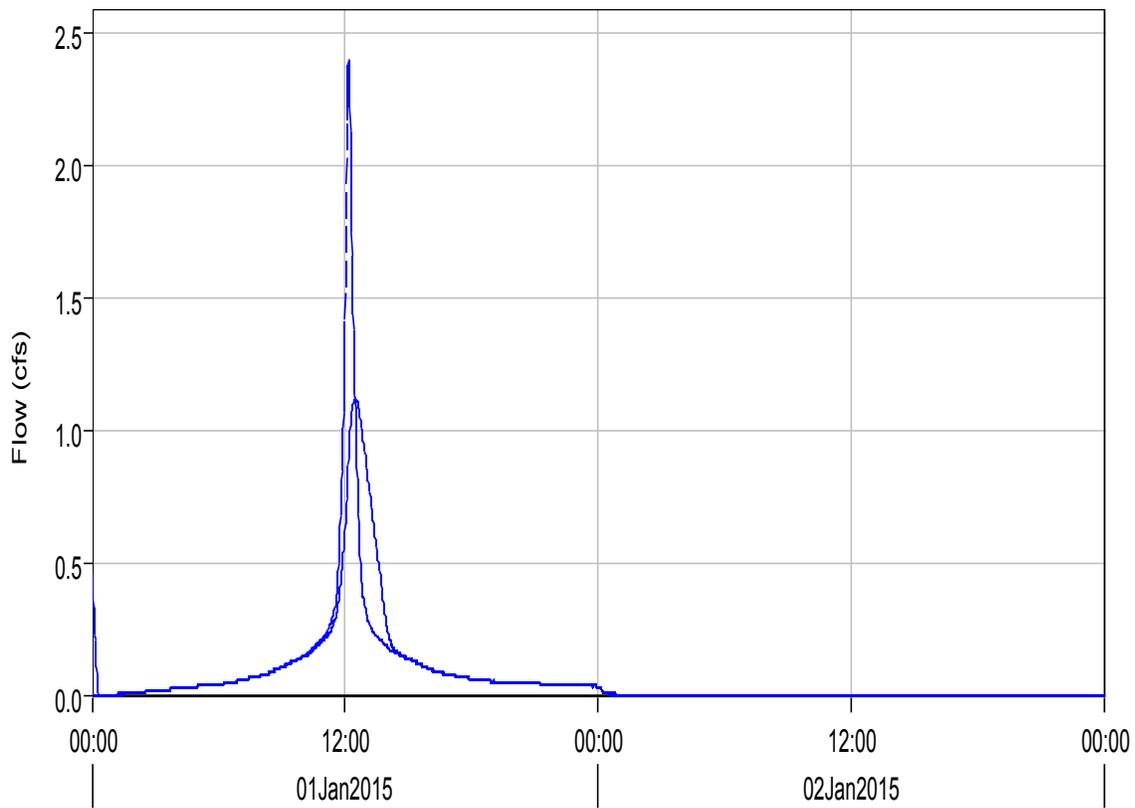
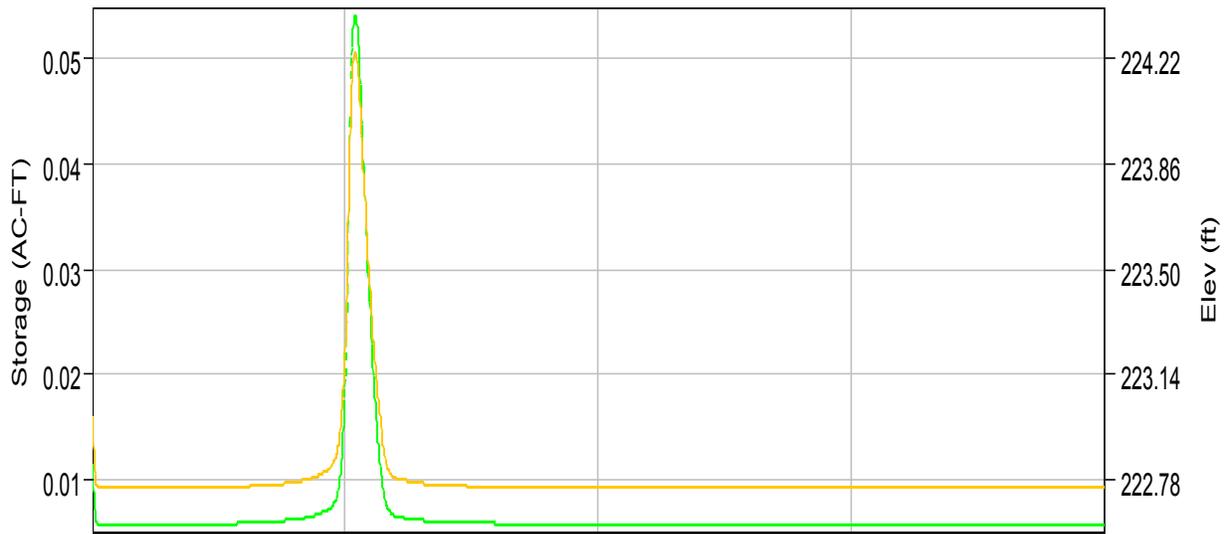
Start of Run:	01Jan2015, 00:00	Basin Model:	Vinal
End of Run:	03Jan2015, 00:00	Meteorologic Model:	2YR
Compute Time:	27Aug2015, 11:26:59	Control Specifications:	Control 1

Volume Units: AC-FT

Computed Results

Peak Inflow :	2.4 (CFS)	Date/Time of Peak Inflow :	01Jan2015, 12:11
Peak Outflow :	1.1 (CFS)	Date/Time of Peak Outflow :	01Jan2015, 12:29
Total Inflow :	0.3 (AC-FT)	Peak Storage :	0.1 (AC-FT)
Total Outflow :	0.3 (AC-FT)	Peak Elevation :	224.2 (FT)

Reservoir "Reservoir-1" Results for Run "2"



--- Run:2 Element:RESERVOIR-1 Result:Storage

--- Run:2 Element:RESERVOIR-1 Result:Pool Elevation

— Run:2 Element:RESERVOIR-1 Result:Outflow

--- Run:2 Element:RESERVOIR-1 Result:Combined Flow

Project: Vinal Simulation Run: 10

Start of Run: 01Jan2015, 00:00 Basin Model: Vinal
End of Run: 03Jan2015, 00:00 Meteorologic Model: 10YR
Compute Time: 27Aug2015, 11:26:54 Control Specifications: Control 1

Hydrologic Element	Drainage Area (MI ²)	Peak Discharge (CFS)	Time of Peak	Volume (AC-FT)
E	0.001578	2.2	01Jan2015, 12:17	0.3
P	0.001578	3.7	01Jan2015, 12:11	0.4
Reservoir-1	0.001578	2.2	01Jan2015, 12:24	0.4
Junction-1	0.001578	2.2	01Jan2015, 12:24	0.4

Project: Vinal
Simulation Run: 10 Reservoir: Reservoir-1

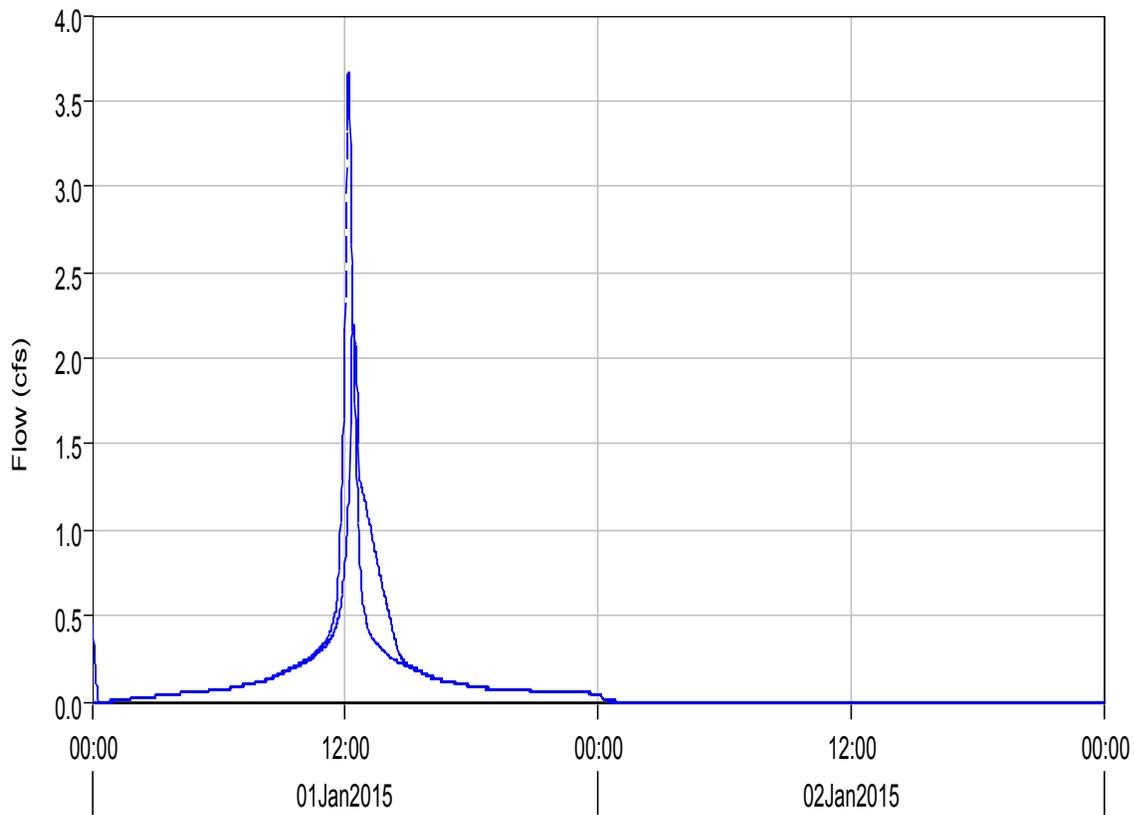
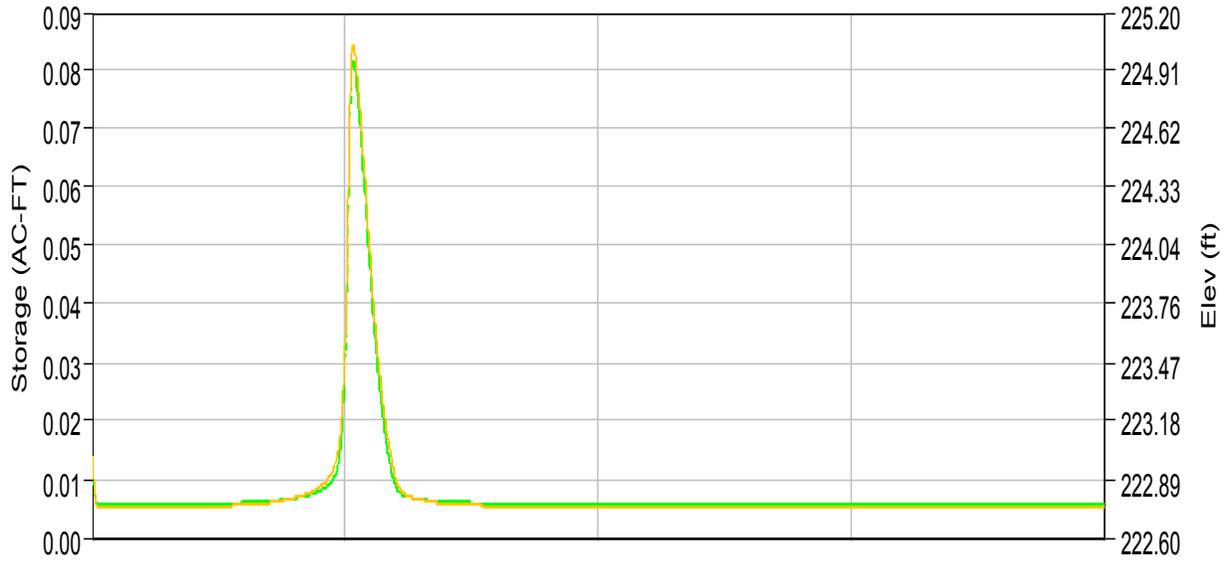
Start of Run: 01Jan2015, 00:00 Basin Model: Vinal
End of Run: 03Jan2015, 00:00 Meteorologic Model: 10YR
Compute Time: 27Aug2015, 11:26:54 Control Specifications: Control 1

Volume Units: AC-FT

Computed Results

Peak Inflow :	3.7 (CFS)	Date/Time of Peak Inflow :	01Jan2015, 12:11
Peak Outflow :	2.2 (CFS)	Date/Time of Peak Outflow :	01Jan2015, 12:24
Total Inflow :	0.4 (AC-FT)	Peak Storage :	0.1 (AC-FT)
Total Outflow :	0.4 (AC-FT)	Peak Elevation :	225.0 (FT)

Reservoir "Reservoir-1" Results for Run "10"



--- Run:10 Element:RESERVOIR-1 Result:Storage

--- Run:10 Element:RESERVOIR-1 Result:Pool Elevation

— Run:10 Element:RESERVOIR-1 Result:Outflow

--- Run:10 Element:RESERVOIR-1 Result:Combined Flow

Project: Vinal Simulation Run: 100

Start of Run: 01Jan2015, 00:00 Basin Model: Vinal
End of Run: 03Jan2015, 00:00 Meteorologic Model: 100YR
Compute Time: 27Aug2015, 11:26:57 Control Specifications: Control 1

Hydrologic Element	Drainage Area (MI ²)	Peak Discharge (CFS)	Time of Peak	Volume (AC-FT)
E	0.001578	3.6	01Jan2015, 12:17	0.4
P	0.001578	5.2	01Jan2015, 12:11	0.6
Reservoir-1	0.001578	3.3	01Jan2015, 12:23	0.6
Junction-1	0.001578	3.3	01Jan2015, 12:23	0.6

Project: Vinal
Simulation Run: 100 Reservoir: Reservoir-1

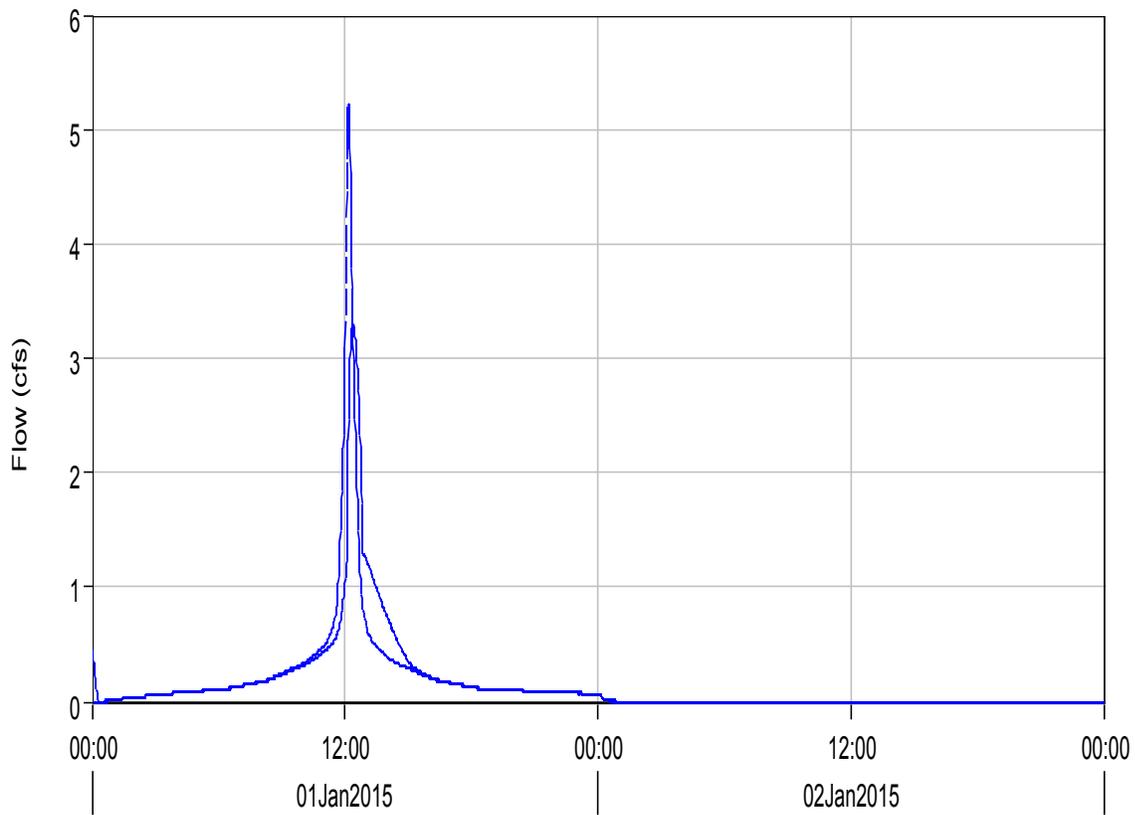
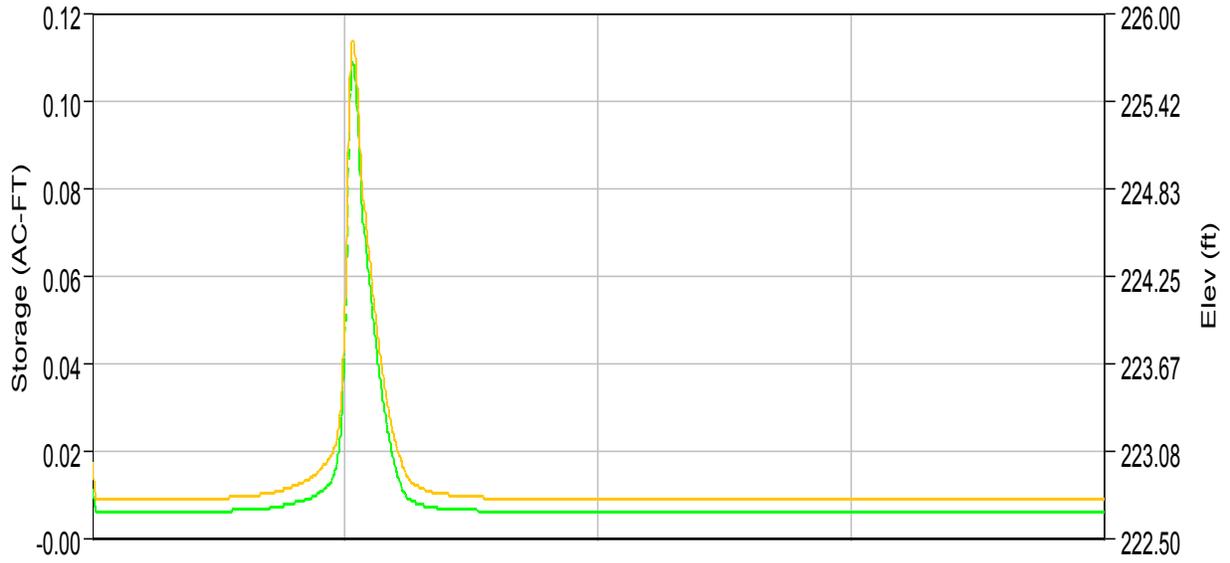
Start of Run: 01Jan2015, 00:00 Basin Model: Vinal
End of Run: 03Jan2015, 00:00 Meteorologic Model: 100YR
Compute Time: 27Aug2015, 11:26:57 Control Specifications: Control 1

Volume Units: AC-FT

Computed Results

Peak Inflow :	5.2 (CFS)	Date/Time of Peak Inflow :	01Jan2015, 12:11
Peak Outflow :	3.3 (CFS)	Date/Time of Peak Outflow :	01Jan2015, 12:23
Total Inflow :	0.6 (AC-FT)	Peak Storage :	0.1 (AC-FT)
Total Outflow :	0.6 (AC-FT)	Peak Elevation :	225.8 (FT)

Reservoir "Reservoir-1" Results for Run "100"



- Run:100 Element:RESERVOIR-1 Result:Storage
- Run:100 Element:RESERVOIR-1 Result:Pool Elevation
- Run:100 Element:RESERVOIR-1 Result:Outflow
- Run:100 Element:RESERVOIR-1 Result:Combined Flow

APPENDIX G – Notice of Termination Form



General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities

Notice of Termination Form

Please complete and submit this form in accordance with the general permit (DEP-PED-GP-015) in order to ensure the proper handling of your termination. Print or type unless otherwise noted.

Note: Ensure that for commercial and industrial facilities, registrations under the *General Permit for the Discharge of Stormwater Associated with Industrial Activity* (DEP-PED-GP-014) or the *General Permit for the Discharge of Stormwater from Commercial Activities* (DEP-PED-GP-004) have been filed where applicable. For questions about the applicability of these general permits, please call the Department at 860-424-3018.

Part I: Registrant Information

1. Permit number: GSN
2. Fill in the name of the registrant(s) as indicated on the registration certificate: Registrant:
3. Site Address: 60 Daniels Street City/Town: Middletown State: CT Zip Code: 06457
4. Date all storm drainage structures were cleaned of construction sediment: Date of Completion of Construction: Date of Last Inspection (must be at least three months after final stabilization pursuant to Section 6(b)(6)(D) of the general permit):
5. Check the post-construction activities at the site (check all that apply): <input type="checkbox"/> Industrial <input type="checkbox"/> Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Capped Landfill <input checked="" type="checkbox"/> Other (describe): School

Part II: Certification

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in this document or its attachments may be punishable as a criminal offense, in accordance with Section 22a-6 of the Connecticut General Statutes, pursuant to Section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute."	
_____ Signature of Permittee	_____ Date
_____ Name of Permittee (print or type)	_____ Title (if applicable)

Note: Please submit this Notice of Termination Form to:

STORMWATER PERMIT COORDINATOR
BUREAU OF WATER MANAGEMENT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127

APPENDIX H– Contractor Certification

Contractor Certification Statement

Vinal Technical High School Paving and Site Improvements

Must be completed for each contractor or subcontractor on-site

"I certify under penalty of the law that I have read and understand the terms and conditions of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities. I understand that as a contractor or subcontractor at the site, I am authorized by this general permit, and must comply with the terms and conditions of this general permit, including, but not limited to, the requirements of the Stormwater Pollution Control Plan prepared for the site."

Contractor / Subcontractor:

Company Name:	
Address:	
Phone:	
Name:	Title:
Signature:	Date:

APPENDIX I – Certification of Documents

Certification of Documents

Vinal Technical High School Paving and Site Improvements

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in this document or its attachments may be punishable as a criminal offense, in accordance with section 22a-6 of the Connecticut General Statutes, pursuant to section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute."

(Permittee): Connecticut Department of Construction Services

Name:	Title: Operations
Signature:	Date:

Diversified Technology Consultants, Inc. (Preparer):

Name: J. Andrew Bevilacqua, P.E.	Title: Associate & Manager of Civil Engineering
Signature:	Date:

APPENDIX J – License Transfer Form



**Connecticut Department of
Energy & Environmental Protection**

License Transfer Form

Please complete and submit this form and the appropriate transfer fee(s) to the CT Department of Energy and Environmental Protection, Central Permit Processing Unit, 79 Elm Street, Hartford, CT 06106-5127. DEEP will notify both the proposed transferee and the licensee of the approval or disapproval of the registration. Print or type unless otherwise noted.

CPPU USE ONLY	
App #:	_____
Doc #:	_____
Check #:	_____

Part I: License Type and Fee Information

License Type: (check all that apply)	No. of licenses	Transfer Fee for each license	Fee Subtotal
<input type="checkbox"/> Air Emissions <input type="checkbox"/> NSR Permit, GPLPE Approval, and/or Registration pursuant to the former RCSA section 22a-174-2		\$940.00	
<input type="checkbox"/> Title IV and Request for Title IV Revision App#: _____		\$940.00	
<input type="checkbox"/> Title V and Request for Title V Revision App#: _____		\$940.00	
<input type="checkbox"/> Aquifer Protection Area Program		\$750.00	
<input type="checkbox"/> Inland Water Resources: Water Diversion, Flood Management, Inland Wetlands and Watercourses, Dam Safety, Stream Channel Encroachment Lines, 401 Water Quality Certification		\$750.00	
<input type="checkbox"/> Office of Long Island Sound Program: Structures, Dredging and Fill; Tidal Wetlands; Removal of Sand and Gravel (Marine Mining); 401 Water Quality Certification		\$0	
<input type="checkbox"/> Waste and Materials Management: Solid Waste Facilities, Solid Waste Landfills, RCRA Hazardous Waste TSD's, Hazardous Waste Landfills, CGS section 22a-454 Waste Facilities, Stewardship Permits, Waste Transportation		\$940.00	
<input type="checkbox"/> Water Discharges		\$940.00	
Fee Total			

Part I: License Type (continued)

Date of Closing: Proposed Actual

If the closing takes place after submittal of this completed form and before the license transfer is approved, you must complete and submit a *Confirmation of Closing – Before License Transfer Approval Form* (attached) immediately after said closing to confirm the change in ownership of the facility.

If the closing takes place after the license transfer is approved, you must complete and submit a *Confirmation of Closing – After License Transfer Approval Form* immediately after said closing to confirm the change in ownership of the facility and for the license transfer to be effective.

Table A: Licenses Being Transferred

License Type	License Number	Expiration Date

Check the box if you have more licenses you are proposing to transfer. If so, label and attach additional sheet(s) with the above information for each license.

Table B: Other Licenses or Regulated Activities Not Being Transferred

License Type	License Number	Expiration Date	Continuing Activity?		Reason for not transferring
			Yes	No	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	

Check the box if you have more licenses to identify. If so, label and attach additional sheet(s) with the above information for each license.

Table C: Pending Applications or Enforcement Actions

Name of Application or Enforcement Action	Application or Enforcement Case Number	Date of Submittal or Enforcement Action

Check the box if you have more applications or actions to identify. If so, label and attach additional sheet(s) with the above information for each license.

Part II: General Information

1. Name of Site:

Street Address or Description of Location:

City/Town:

State:

Zip Code:

2. Current Licensee

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

- Check the box if there is more than one licensee.
If so, label and attach additional sheet(s) with the above information for each licensee.

- **If a registrant is a corporation, limited liability company, limited partnership, limited liability partnership, or a statutory trust, it must be registered with the Secretary of State. If applicable, registrant's name shall be stated **exactly** as it is registered with the Secretary of State. Please note, for those entities registered with the Secretary of State, the registered name will be the name used by DEEP. This information can be accessed at the Secretary of State's database (CONCORD). (www.concord-sots.ct.gov/CONCORD/index.jsp)*
- *If a registrant is an individual, provide the legal name (include suffix) in the following format: First Name; Middle Initial; Last Name; Suffix (Jr, Sr., II, III, etc.).*

3. Proposed Transferee (Registrant)

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

*E-mail:

*By providing this e-mail address you are agreeing to receive official correspondence from DEEP, at this electronic address, concerning the subject registration. Please remember to check your security settings to be sure you can receive e-mails from "ct.gov" addresses. Also, please notify DEEP if your e-mail address changes.

a) Registrant Type (check one):

- individual federal agency state agency municipality tribal
 *business entity (*If a business entity complete i through iii):

Part II: General Information (continued)

7. New Attorney, if applicable.

Firm Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Attorney Name:

Phone:

ext.

E-mail:

8. New Site Owner, if different than the registrant.

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

9. New Facility Owner, if different than the registrant.

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

10. New Facility Operator, if different than the registrant.

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

11. Preparer of this registration, if different than the registrant.

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

Part III: Supporting Documents

Be sure to read the instructions (DEEP-INST-006) to determine all documents that must be submitted with this registration form. Check the applicable boxes as verification that *all applicable* attachments have been submitted with this registration form. When submitting any supporting documents, please label the documents as indicated in this part (e.g., Attachment A, etc.) and be sure to include both the licensee and the proposed transferee's name.

<input type="checkbox"/>	Attachment A: Applicant Background Information (DEEP-APP-008) (if applicable) (Do not include for transfer of licenses for solid waste facilities)
<input type="checkbox"/>	Attachment B: Applicant Compliance Information (DEEP-APP-002)
<input type="checkbox"/>	Attachment C: Submit the following only in the case where the closing has occurred before the department has approved the transfer of licenses. <ul style="list-style-type: none">• submit a completed <i>Confirmation of Closing Form</i> (DEEP- APP-006B) once such closing has been completed to the address indicated on the form. (attached)
<input type="checkbox"/>	Attachment D: <i>Submit the following only for transfer of licenses for CGS Section 22a-454 Facilities, Hazardous Waste Landfills, RCRA Hazardous Waste TSDFs and Stewardship Permits:</i> <ol style="list-style-type: none">1. Business Information2. Financial Assurance3. Revised EPA RCRA Part A and RCRA Part B application
<input type="checkbox"/>	Attachment E: <i>Submit the following only for transfer of licenses for Solid Waste Facilities and Solid Waste Landfills:</i> <ol style="list-style-type: none">1. Background information (DEEP-SW-APP-101)2. Business Information (DEEP-SW-APP-103)
<input type="checkbox"/>	Attachment F: <i>Submit the following only for transfer of licenses for Waste Transporters:</i> <ol style="list-style-type: none">1. List of Transporter Permits Held in Other States (DEEP-WEED-APP-401)2. Certificate of Insurance and MCS-90 Forms3. Spill Clean-up Contractor Application (DEEP-WEED-APP-407), if applicable4. Additional Registrant Information
<input type="checkbox"/>	Attachment G: <i>Submit the following only for transfer of licenses administered by OLISP pursuant to statutes regulating work in tidal, coastal or navigable waters or tidal wetlands:</i> <ol style="list-style-type: none">1. A copy of the permit drawings identifying the components of the project that have been completed and the portion of the project or work elements that remain to be conducted.2. Photographs or other documentation showing that the completed work has been constructed/conducted in accordance with the permit. If the work authorized consisted of dredging, provide a current bathymetric survey of the dredged area.

Part III: Supporting Documents

- Attachment H: *Submit the following only for transfer of Title V licenses:*
 - [Written Authorization Form RCSA Section 22a-174-2a\(a\)\(2\)\(B\)](#) (DEEP-AIR-SIG-REG-002), **IF APPLICABLE**.

- Attachment H-1: *Submit the following only for transfer of Title IV licenses or Title V licenses **with** a Title IV license incorporated:*
 - a completed [EPA Phase II Acid Rain Permit Application Form](#) (EPA Form 7610-16) signed by the new designated representative or alternate designated representative. A copy should also be sent to EPA Region 1: Mr. Ian Cohen, US EPA, 5 Post Office Square, Suite 10, Mail Code O(o)EP0(zero)5-2, Boston, MA 02109-3912

- Attachment I: *Submit the following only for transfer of registrations and permits for the Aquifer Protection Area Program:*
 - [Certification of Best Management Practices](#) (found on p.5 of 7 of the Registration Form for Regulated Activities in Aquifer Protection Areas) (DEEP-APA-REG-100)
 - [Certification of Best Management Practices](#) (found on p.7 of 9 of the Permit Application to Add a Regulated Activity to a Registered Facility in an Aquifer Protection Area) (DEEP-APA-APP-200)

For transfer of registrations and permits for the Aquifer Protection Area Program, a copy of this completed form and the *Certification of Best Management Practices* to the municipality, the Department of Public Health and any affected water company.

For contact names and addresses refer to:

[Municipal Contact Directory](#)

[Water Company Contact Directory](#)

Connecticut Department of Public Health
Drinking Water Division
410 Capitol Avenue, MS #51 WAT
Hartford, CT 06134-0308

Part IV: Certification

The licensee(s) *and* the proposed transferee(s) and the individuals responsible for actually preparing the registration must sign this part. A registration will be considered insufficient unless *all* required signatures are provided ***and are the proper signatory authority as specified under Part IV in the instructions.***

“I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief.

I certify that this license transfer registration and if applicable, the request for Title IV and/or Title V Revision, is on complete and accurate forms as prescribed by the commissioner without alteration of the text.

I understand that this transfer shall become effective immediately upon the commissioner’s written approval of this request, or within the time frame specified in the subject approval. I understand that there are significant penalties for conducting any activity requiring a license from DEEP without the required license. I understand that this license transfer registration form is only to be used for changes in owners and operators of the licensed activity; if other changes are being proposed to the facility or site or facility operations, the proposed transferee must also request a license modification.

I understand that a false statement in the submitted information may be punishable as a criminal offense, in accordance with section 22a-6 of the General Statutes, pursuant to section 53a-157b of the General Statutes, and in accordance with any other applicable statute.”

Signature of Authorized Representative for Current Licensee

Date

Printed Name of Authorized Representative for Current Licensee

Title (if applicable)

License Number(s):

In addition to the above certification statement, by signing below as transferee, I hereby further certify that I am willing and able to fully comply with the terms and conditions of the license(s) referenced in this document.

Signature of Authorized Representative for Proposed Transferee

Date

Printed Name of Authorized Representative for Proposed Transferee

Title (if applicable)

Signature of Preparer

Date

Name of Preparer (print or type)

Title (if applicable)

Check the box if additional signatures are necessary. If so, please reproduce this sheet and attach signed copies to this sheet.



Connecticut Department of Energy & Environmental Protection

Confirmation of Closing – Before License Transfer Approval

Complete this form only in the case where the closing has occurred after submittal of the license transfer registration form and before the department has approved the transfer of licenses. Once such closing has been completed submit this form to the applicable address indicated below, confirming the completion of the change in ownership of the facility.

To be completed by Transferee (registrant):
The undersigned confirm that the change in ownership of the [address of facility] facility from [name of transferor – current license holder] to [name of transferee - registrant] occurred on the following date., [date of closing]
Signature of Authorized Representative for Transferee
Printed Name of Authorized Representative for Transferee
Title of Authorized Representative for Transferee

Please submit this completed form, a copy of the department license transfer approval and any supporting documents to:

Table with 2 columns: For multi media license transfer requests (for example, transferring a waste, water and air license): OFFICE OF PLANNING AND PROGRAM DEVELOPMENT, 3RD FLOOR, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, 79 ELM STREET, HARTFORD, CT 06106-5127, ATTENTION: BOB HANNON; For single media license transfer requests (for example, only transferring air licenses): [INSERT APPLICABLE PROGRAM, for example, "AIR ENGINEERING"], DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, 79 ELM STREET, HARTFORD, CT 06106-5127, ATTENTION: [INSERT Program Staff Name]



**Connecticut Department of
Energy & Environmental Protection**

CPPU USE ONLY
App #: _____
Doc #: _____
Check #: _____

Permit Application Transmittal Form

Please complete this transmittal form in accordance with the instructions in order to ensure the proper handling of your application(s) and the associated fee(s). Print legibly or type.

Part I: Applicant Information:

- **If an applicant is a corporation, limited liability company, limited partnership, limited liability partnership, or a statutory trust, it must be registered with the Secretary of State. If applicable, applicant's name shall be stated **exactly** as it is registered with the Secretary of State.*
- *If an applicant is an individual, provide the legal name (include suffix) in the following format: First Name; Middle Initial; Last Name; Suffix (Jr, Sr., II, III, etc.).*

Applicant:	
Mailing Address:	
City/Town:	State: Zip Code:
Business Phone:	ext.:
Contact Person:	Phone: ext.
E-Mail:	
Applicant (check one): <input type="checkbox"/> individual <input type="checkbox"/> *business entity <input type="checkbox"/> federal agency <input type="checkbox"/> state agency <input type="checkbox"/> municipality <input type="checkbox"/> tribal	
*If a business entity, list type (e.g., corporation, limited partnership, etc.):	
<input type="checkbox"/> Check if any co-applicants. If so, attach additional sheet(s) with the required information as supplied above.	
Please provide the following information to be used for <i>billing purposes only</i> , if different:	
Company/Individual Name: CT DAS	
Mailing Address: 165 Capitol Avenue	
City/Town: Hartford	State: CT Zip Code: 06106
Contact Person: Glenn Knapsack	Phone: 860-713-5774 ext.

Part II: Project Information

Brief Description of Project: <i>(Example: Development of a 50 slip marina on Long Island Sound)</i>					
Vinal Technical High School paving and site improvements. (BI-RT-873)					
Location (City/Town): 60 Daniels Street, Middletown					
Other Project Related Permits (<i>not</i> included with this form):					
Permit Description	Issuing Authority	Submittal Date	Issuance Date	Denial Date	Permit #

Part III: Individual Permit Application and Fee Information

New, Mod. or Renew	Individual Permit Applications	Initial Fees	No. of Permits Applied For	Total Initial Fees	Original + Required Copies
	AIR EMISSIONS				
	New Source Review <input type="checkbox"/> Revision <input type="checkbox"/> minor mod	\$940.00			1 + 0
	Title V Operating Permits <input type="checkbox"/> Revision <input type="checkbox"/> minor mod <input type="checkbox"/> non-minor mod	none			1 + 0
	Title IV	none			1 + 0
	Clean Air Interstate Rule (CAIR)	none			1 + 0
	WATER DISCHARGES				
	To Groundwater	\$1300.00			1 + 1
	To Sanitary Sewer (POTW)	\$1300.00			1 + 1
	To Surface Water (NPDES)	\$1300.00			1 + 1
	INLAND WATER RESOURCES-				
	Dam Safety	none			1 + 2
	Flood Management Certification	none			1 + 1
	Inland Wetlands and Watercourses	none			1 + 5
	Inland 401 Water Quality Certification	none			
	FERC- Hydropower Projects- 401 Water Quality Certification	none			1 + 1
	Water Diversion	★			1 + 5
	OFFICE OF LONG ISLAND SOUND PROGRAMS				
	Certificate of Permission	\$375.00			1 + 2
	Coastal 401 Water Quality Certification	none			1 + 2
	Structures and Dredging/and Fill/Tidal Wetlands	\$660.00			1 + 2
	WASTE MANAGEMENT				
	Aerial Pesticide Application	★			1 + 2
	Aquatic Pesticide Application	\$200.00			1 + 0
	CGS Section 22a-454 Waste Facilities	★			1 + 1
	Disruption of a Solid Waste Disposal Area	\$0			1 + 1
	Hazardous Waste Treatment, Storage and Disposal Facilities	★			1 + 1
	Marine Terminal License	\$100.00			1 + 0
	Stewardship	\$4000.00			1 + 1
	Solid Waste Facilities	★			1 + 1
	Waste Transportation	★			1 + 0
		Subtotal ➡			
GENERAL PERMITS and AUTHORIZATIONS		Subtotals Page 3 & 4 ➡		\$3,000.00	
Enter subtotals from Part IV, pages 3 - 6 of this form		Subtotals Page 5 ➡			
		Subtotals Page 6 ➡			
		TOTAL ➡	1	\$3,000.00	
<input type="checkbox"/> Indicate whether municipal discount or state waiver applies.		Less Applicable Discount ➡			
		AMOUNT REMITTED ➡		\$3,000.00	
Check # ➡	<input type="text"/>	Check or money order should be made payable to: "Department of Energy and Environmental Protection"			

★ See fee schedule on individual application.

**Part IV: General Permit Registrations and Requests for Other Authorizations
Application and Fee Information**

<input checked="" type="checkbox"/> General Permits and Other Authorizations	Initial Fees	No. of Permits Applied For	Total Initial Fees	Original + Required Copies
AIR EMISSIONS				
<input type="checkbox"/> Limit Potential to Emit from Major Stationary Sources of Air Pollution	\$2760.00			1 + 0
<input type="checkbox"/> Diagnostic and Therapeutic X-Ray Devices (Medical X-Ray) Registration	\$190.00/Xray device			1 + 0
<input type="checkbox"/> Radioactive Materials and Industrial Device Registration (Ionizing Radiation)	\$200.00			1 + 0
<input type="checkbox"/> Emergency/Temporary Authorization	★★			★★
<input type="checkbox"/> License Revocation Request	\$0			★★
<input type="checkbox"/> Other, (please specify):				
WATER DISCHARGES				
<input type="checkbox"/> Boiler Blowdown Wastewater	Expired- wastewater discharge authorized under MISC GP			
<input type="checkbox"/> Categorical Industry User to a POTW Discharges > 10,000 gpd Discharges < 10,000 gpd	\$6250.00 \$3125.00			1 + 0
<input type="checkbox"/> Domestic Sewage	\$625.00			1 + 0
<input type="checkbox"/> Food Preparation Establishment Wastewater	No Registration			
<input type="checkbox"/> Food Processing Wastewater	\$500.00			1 + 0
<input type="checkbox"/> Groundwater Remediation Wastewater to a Sanitary Sewer	\$500.00			1 + 0
<input type="checkbox"/> Groundwater Remediation Wastewater to a Surface Water Registration Only	\$625.00			1 + 0
<input type="checkbox"/> Approval of Registration by DEEP	\$1250.00			
<input type="checkbox"/> Hydrostatic Pressure Testing Wastewater Registration Only	\$625.00			1 + 0
<input type="checkbox"/> Approval of Registration by DEEP (natural gas pipelines)	\$1250.00			
<input type="checkbox"/> Miscellaneous Discharges of Sewer Compatible Wastewater Registration Only	\$500.00			1 + 0
<input type="checkbox"/> Approval of Registration by DEEP	\$1000.00			
<input type="checkbox"/> Nitrogen Discharges	No Registration			
<input type="checkbox"/> Non-Contact Cooling and Heat Pump Water (Minor)	\$625.00			1 + 0
<input type="checkbox"/> Photographic Processing Wastewater (Minor)	Expired- wastewater discharge authorized under MISC GP			
<input type="checkbox"/> Point Source Discharges from Application of Pesticides	\$200.00			1 + 0
<input type="checkbox"/> Printing & Publishing Wastewater (Minor) Flow < 40 gpd	\$500.00 \$100.00			1 + 0
<input type="checkbox"/> Stormwater Associated with Commercial Activities	\$300.00			1 + 0
<input type="checkbox"/> Stormwater Associated with Industrial Activities <50 employees—see general permit for additional requirements >50 employees—see general permit for additional requirements	\$500.00 \$1000.00			1 + 0
<input checked="" type="checkbox"/> Stormwater & Dewatering Wastewaters-Construction Activities	★	1	3,000.00	1 + 0
<input type="checkbox"/> Stormwater from Small Municipal Separate Storm Sewer Systems (MS4)	\$250.00			1 + 0

★ See fee schedule on registration/application.

★★ Contact the specific permit program for this information.
(Contact numbers are provided in the instructions)

Part IV: General Permit Registrations and Requests for Other Authorizations (continued)

WATER DISCHARGES (continued)				
<input type="checkbox"/> Subsurface Sewage Disposal Systems Serving Existing Facilities	★ ★			1 + 0
<input type="checkbox"/> Swimming Pool Wastewater - Public Pools and Contractors	\$500.00			1 + 0
<input type="checkbox"/> Tumbling or Cleaning of Parts Wastewater (Minor)	Expired- wastewater discharge authorized under MISC GP			
Vehicle Maintenance Wastewater				
<input type="checkbox"/> Registration Only	\$625.00			1 + 0
<input type="checkbox"/> Approval of Registration by DEEP	\$1250.00			
<input type="checkbox"/> Water Treatment Wastewater	\$625.00			1 + 0
<input type="checkbox"/> Emergency/Temporary Authorization - Discharge to POTW	\$1500.00			1 + 0
<input type="checkbox"/> Emergency/Temporary Authorization - Discharge to Surface Water	\$1500.00			1 + 0
<input type="checkbox"/> Emergency/Temporary Authorization - Discharge to Groundwater	\$1500.00			1 + 0
<input type="checkbox"/> Other, (please specify):				
Note: Carry subtotals over to Part III, page 2 of this form.		Subtotal →	1	\$3,000.00

★ See fee schedule on registration/application.

★★ Contact the specific permit program for this information.
(Contact numbers are provided in the instructions)

Part IV: General Permit Registrations and Requests for Other Authorizations (continued)

<input checked="" type="checkbox"/> General Permits and Other Authorizations	Initial Fees	No. of Permits Applied For	Total Initial Fee	Original + Required Copies
AQUIFER PROTECTION PROGRAM				
<input type="checkbox"/> Registration for Regulated Activities	\$625.00			1 + 0
<input type="checkbox"/> Permit Application to Add a Regulated Activity	\$1250.00			1 + 0
<input type="checkbox"/> Exemption Application from Registration	\$1250.00			1 + 0
INLAND WATER RESOURCES				
<input type="checkbox"/> Diversion of Remediation Groundwater	No Registration			
<input type="checkbox"/> Diversion of Water for Consumptive Use: Reauthorization Categories	\$1000.00			1 + 2
<input type="checkbox"/> Diversion of Water for Consumptive Use: Authorization Required	\$2500.00			1 + 4
<input type="checkbox"/> Diversion of Water for Consumptive Use: Filing Only	\$1500.00			1 + 4
<input type="checkbox"/> Programmatic General Permit	★			1 + 3
<input type="checkbox"/> Water Resource Construction Activities	★			1 + 0
<input type="checkbox"/> Emergency/Temporary Authorization	★★			★★
<input type="checkbox"/> Notice of High Hazard Dam or a Significant Hazard Dam	\$0			1 + 0
<input type="checkbox"/> Other, (please specify):				
OFFICE OF LONG ISLAND SOUND PROGRAMS				
<input type="checkbox"/> 4/40 Docks	\$700.00			1 + 1
<input type="checkbox"/> Beach Grading	\$100.00			1 + 1
<input type="checkbox"/> Buoys or Markers	No Registration			
<input type="checkbox"/> Coastal Remedial Activities Required by Order	\$700.00			1 + 1
<input type="checkbox"/> Dock Reconstruction	\$300.00			1 + 1
<input type="checkbox"/> Harbor Moorings	No Registration			
<input type="checkbox"/> Maintenance of Catch Basins and Tide Gates	No Registration			
<input type="checkbox"/> Marina and Mooring Field Reconfiguration	\$700.00			1 + 1
<input type="checkbox"/> Minor Seawall Repair	No Registration			
<input type="checkbox"/> Non-harbor Moorings	\$100.00			1 + 1
<input type="checkbox"/> Osprey Platforms and Perch Poles	none			1 + 1
<input type="checkbox"/> Pump-out Facilities (no fee for Clean Vessel Act grant recipients)	\$100.00			1 + 1
<input type="checkbox"/> Programmatic General Permit	★			1 + 1
<input type="checkbox"/> Removal of Derelict Structures	\$100.00			1 + 1
<input type="checkbox"/> Residential Flood Hazard Mitigation	\$100.00			1 + 1
<input type="checkbox"/> Swim Floats	\$100.00			1 + 1
<input type="checkbox"/> Emergency/Temporary Authorization	★★			★★
<input type="checkbox"/> Other, (please specify):				
Note: Carry subtotals over to Part III, page 2 of this form.		Subtotal ➔		

★ See fee schedule on registration/application.

★★ Contact the specific permit program for this information.
(Contact numbers are provided in the instructions)

Part IV: General Permit Registrations and Requests for Other Authorizations (continued)

<input checked="" type="checkbox"/> General Permits and Other Authorizations	Initial Fees	No. of Permits Applied For	Total Initial Fee	Original + Required Copies
WASTE MANAGEMENT				
<input type="checkbox"/> Addition of Grass Clippings at Registered Leaf Composting Facilities	\$500.00			1 + 0
<input type="checkbox"/> Beneficial Use Determination	★			1 + 0
Certain Recycling Facilities:				
<input type="checkbox"/> Drop-site Recycling Facility	\$200.00			1 + 0
<input type="checkbox"/> Limited Processing Recycling Facility	\$500.00			1 + 0
<input type="checkbox"/> Recyclables Transfer Facility	\$500.00			1 + 0
<input type="checkbox"/> Single Item Recycling Facility	\$500.00			1 + 0
<input type="checkbox"/> Collection and Storage of Post Consumer Paint	\$0			1 + 0
Contaminated Soil and/or Staging Management (Staging/Transfer)				
<input type="checkbox"/> New Registrations	\$250.00			1 + 0
<input type="checkbox"/> New Approval of Registrations	\$1500.00			1 + 0
<input type="checkbox"/> Renewal of Registrations	\$250.00			1 + 0
<input type="checkbox"/> Renewal of Approval of Registrations	\$750.00			1 + 0
<input type="checkbox"/> Connecticut Solid Waste Demonstration Project	\$1000.00			1 + 0
<input type="checkbox"/> Disassembling Used Electronics	\$2000.00			1 + 0
<input type="checkbox"/> Leaf Composting Facility	none			1 + 1
<input type="checkbox"/> Municipal Transfer Station	\$800.00			1 + 1
<input type="checkbox"/> One Day Collection of Certain Wastes and Household Hazardous Waste	\$1000.00			1 + 0
<input type="checkbox"/> Sheet leaf Composting Notification	\$0			★★
Special Waste Authorization				
<input type="checkbox"/> Landfill or RRF Disposal	\$660.00			1 + 0
<input type="checkbox"/> Asbestos Disposal	\$300.00			
<input type="checkbox"/> homeowner	\$0			
<input type="checkbox"/> Storage and Processing of Asphalt Roofing Shingle Waste	\$2500.00			1 + 0
<input type="checkbox"/> Storage and Processing of Scrap Tires for Beneficial Use	\$1250.00			1 + 0
<input type="checkbox"/> Emergency/Temporary Authorization	★★			★★
<input type="checkbox"/> Other, (please specify):				
REMEDIATION				
<input type="checkbox"/> In Situ Groundwater Remediation: Enhance Aerobic Biodegradation	★			1 + 2
<input type="checkbox"/> In Situ Groundwater Remediation: Chemical Oxidation	\$500.00			1 + 0
<input type="checkbox"/> Emergency/Temporary Authorization	★			★★
Note: Carry subtotals over to Part III, page 2 of this form.				
Subtotal ➡				

★See fee schedule on registration/application.

★★Contact the specific permit program for this information.

(Contact numbers are provided in the instructions)

Affirmative Action, Equal Employment Opportunity and Americans with Disabilities

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