

EXCAVATION – PHASE 1

**NEW CENTER FOR EMERGENCY SERVICES
25 ROCKY HOLLOW ROAD
NORTH STONINGTON, CT 06359**

S/P+A PROJECT NO. 13.220

DATE: November 6, 2014

The following changes to the Drawings and Project Specifications shall become a part of the Drawings and Project Specifications; superseding previously issued Drawings and Project Specifications to the extent modified by Addendum No. 1.

General Information:

- See attached RFIs. (4)
- References in the Contract with regard to final decisions by the Architect will be in consultation with and as agreed to by the Owner.

New Specifications:

- SIEVE ANALYSES, dated June 20, 2014 have been added and are attached as part of this addendum. (3)

Changes to the Specifications:

- TABLE OF CONTENTS, Page 2, Division 2 – Site Work, add the following:
“Sieve Analyses, dated June 20, 2014 3”
- INVITATION TO BID, 2nd paragraph from bottom, revise “ninety (90)” to read “sixty (60)”.
- BID FORM has been deleted in its entirety. A new BID FORM has been added and is attached as part of this addendum. (3)
- STANDARD FORM OF AGREEMENT BETWEEN OWNER & CONTRACTOR (AIA A101), Page 5, Article 6.2, check the box for “Arbitration...”.
- ATTACHMENT TO AIA DOCUMENT A201-2007 (RD Instruction 1942-A, Guide 27, Attachment 4), Page 5, Article 11.1.5, add the attached Appendix M – CIRMA Recommended Third Party Coverages and Minimum Limits, Exposure/Service Type ‘Construction’ as supplemental information.

- SUPPLEMENTARY GENERAL CONDITIONS:

- Page 2:

- Add the following:

“ARTICLE 2 **Make the following changes:**

2.1.2 **Delete** in its entirety.”

- ARTICLE 3:

- Add the following:

“3.3.2 Contractor agrees, to the fullest extent permitted by applicable law, to indemnify, defend and hold harmless Owner, its employees, officials, boards, commissions, officers, agents, representatives, volunteers and all of their respective successors and assigns (collectively, “Owner Indemnified Parties” for purposes of this Section 3.3.2), from and against all actions, suits, proceedings, causes of action, claims, damages, injuries, awards, judgments, liens, losses, expenses (including expert and attorney’s fees) and other damages whatsoever (collectively “Claims”), foreseen or unforeseen, whether arising in tort, contract or otherwise, arising out of, related to or in any way connected with the acts, omissions, malfeasance, misconduct, negligence, violation of applicable Federal, State and/or local law and/or breaches of the Contract Documents by the Contractor and/or any other persons or entities performing portions of the work for, or on behalf of, the Contractor of any of its Subcontractors, Suppliers or Materialmen. The Contractor’s obligations hereunder shall not be limited by the amount or type of Contractor’s insurance. Nothing in this section shall require the Owner Indemnified Parties to be indemnified against liability for damages arising out of bodily injury to persons or damage to property caused by or resulting from the negligence of the Owner Indemnified Parties.

In any and all Claims against the Owner Indemnified Parties made or brought by an employee of the Contractor, or anyone directly or indirectly employed or contracted with by the Contractor, or anyone for whose acts or omissions the Contractor is or may be liable, the Contractor’s obligations under this section shall not be limited by any limitation on the type or amount of damages, compensation or benefits payable by the Contractor under worker’s compensation acts, disability benefits acts or other employee benefit acts. The obligations set forth in this section shall survive termination or

expiration of this Contract.”

➤ Section 3.4.4:

- 4th line, revise “in approval” to read “for approval”.
 - 8th line, revise “necessary changed” to read “necessary changes”.
- Page 3, Section 3.5.1.4.1, revise “terns” to read “terms”.
 - Page 4, Section 7.5.3, revise “fifteen percent (15%)” to read “ten percent (10%)”, “**ten percent** (10%)” to read “**five percent** (5%)” and “twenty-five percent (25%)” to read “fifteen percent (15%)”, respectively.
 - Page 6, add the following:

“ARTICLE 12 **Make the following changes:**

12.1.2 **Amend to include the following** after “Architect” in the 2nd line:
“after consultation and agreement with the Owner”.”

- CONNECTICUT PREVAILING WAGE RATE INFORMATION, actual wage rates, dated September 26, 2014, have been deleted in their entirety. New wage rates, dated October 28, 2014 have been added and are attached as part of this addendum. (14)
- SECTION 02200, EARTHWORK, Page 4, Article 3.1:
 - 2nd to last sentence, revise to read as follows:
“Excess topsoil (beyond the 550 cy required to be stockpiled on site) shall remain the property of the Owner and shall be loaded onto Town trucks for hauling and disposal by the Town.”
 - Add to the end the following:
“If ledge is discovered, the Contractor shall expose the surface of the ledge in order to allow the Owner to perform a topographic survey of the ledge surface, which will be the basis of the rock removal quantity.”

Changes to the Drawings:

- DRAWING C1, DEMOLITION PLAN/PHASE 1 EXCAVATION PLAN has been deleted in its entirety. A new DRAWING C1, DEMOLITION PLAN/PHASE 1 EXCAVATION PLAN has been added and is attached as part of this addendum.*
- DRAWING C2, EROSION CONTROL DETAILS has been deleted in its entirety. A new DRAWING C2, EROSION CONTROL DETAILS has been added and is attached as part of this addendum.*

The addendum consists of twenty-eight (28) pages of 8½” x 11” text and two (2) 24” x 36” drawings*.

End of Addendum ‘1’

Rebecca Bouchard

From: Rebecca Bouchard
Sent: Thursday, November 06, 2014 2:25 PM
To: 'tspera@cherenzia.com'
Subject: RE: Fwd: New Center Emergency Service

Tony, please find your RFI responses below.
 Thank you and have a great day.

Rebecca Bouchard, CSI, CDT
 Intern Architect

www.silverpetrucelli.com

SILVER / PETRUCELLI + ASSOCIATES
 Architects/Engineers/Interior Designers

3190 Whitney Avenue Bldg 2
 Hamden, Connecticut 06518
 P: 203-230-9007 ext. 202
 F: 203-230-8247
S/P+A is a member of the U.S. Green Building Council

From: Tony Spera [mailto:tspera@cherenzia.com]
Sent: Friday, October 31, 2014 10:31 AM
To: Robin Roohr
Subject: New Center Emergency Service

Questions

The specification calls out a specific Bid Bond form AIA 310. What form is that and could you forward it ? **-AIA A310 is the Bid Bond and is included in the project manual.**

Why are there so many AIA'S which one governs ? **-All AIA documents are part of the contract documents. All pertain to the project.**

There is talk about liquated damages in some of the AIA's is there any and if so what are the parameters ? **-Refer to Attachment to AIA Document A101-2007 (RD Instruction 1942-A, Guide 27, Attachment 3), Page 1, Article 3.3 for liquidated damages parameters.**

The plans call out a stock pile of 3500 cy of crushed material and the bid form asks for a unit price to crush. Please confirm that crushing will only be required if rock is encountered and if requested ? **-Yes.**

Is there a bid form that contains all of the documents you are requesting at the opening? With all of the inclusion of so many AIA's it is confusing ? Please provide a list or complete package. **-A revised Bid Form, providing a list of documents, will be attached as part of Addendum #1.**

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Tony Spera
 Cherenzia Excavation
 99 Mechanic Street
 Pawcatuck , Ct 06379

Rebecca Bouchard

From: Rebecca Bouchard
Sent: Thursday, November 06, 2014 3:02 PM
To: 'lana@nanoconstructionllc.com'
Subject: RE: Fwd: RFI- North Stonington Phase 1 Excavation

Lana, please find responses to your RFI below.
Thank you and have a great day.

Rebecca Bouchard, CSI, CDT
Intern Architect

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Begin forwarded message:

From: <lana@nanoconstructionllc.com<mailto:lana@nanoconstructionllc.com>>
Date: October 31, 2014 at 12:02:14 PM EDT
To: <dstein@silverpetrucelli.com<mailto:dstein@silverpetrucelli.com>>
Subject: RFI- North Stonington Phase 1 Excavation

Good morning David, I am requesting information for the above mentioned project.

1. Please provide a PDF of the site drawings so they can be printed to scale. **–Drawings are all available on the Town's website for downloading. Revised Drawings C1 and C2 will be issued as part of Addendum #1.**
2. Please provide estimated quantities of materials to be imported and exported to/from the site. **–Quantities are to be provided by contractor.**
3. When will your firm provide the results of your test borings? **-Sieve analyses will be provided as part of Addendum #1.**
4. What is the anticipated start date of the project? **–Project is to start as soon as the contractor is able. Contractor is to dictate their start date on the Bid Form.**

Thank you,
Lana Nanowski
Nano Construction Services LLC
Sole Member/Manager
34 Wooster Court
Bristol, CT 06010

Rebecca Bouchard

From: Rebecca Bouchard
Sent: Thursday, November 06, 2014 3:23 PM
To: 'mike.godino@gmail.com'
Subject: RE: North Stonington Firehouse

Mike, please find below responses to your RFI.
 Thank you and have a great day.

Rebecca Bouchard, CSI, CDT
 Intern Architect

www.silverpetrucelli.com

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From: Mike Godino [<mailto:mike.godino@gmail.com>]
Sent: Monday, November 03, 2014 9:12 AM
To: David Stein; selectman@northstoningtonct.gov
Subject: North Stonington Firehouse

We have the following questions regarding the firehouse project-

1. The North Stonington Grange has been in contact with us (and all other bidders I believe) regarding using the fairgrounds as a dump site for approximately 10,000 CY of materials from this site. Can you confirm if this is a dump site we should be including in our bid at this time ? The site is close and it would keep the costs down. Can it be clarified if this is a permitted/approved site ? **-The Town has not contracted with any company or organization to be used as a disposal site. This will be at the sole discretion of the Contractor. The disposal site(s) shall be listed in the revised Bid Form issued as part of Addendum #1.**
2. Can you confirm if indeed the eastern most detention basin (sheet 1 inset) is included in this Phase. The phase 1 excavation activity line does not encompass that work. **-Yes, confirmed.**
3. Can you confirm that all excess topsoil from the project (total stripped less topsoil placed and 550 cy stockpile) is indeed being trucked off site by the town and not by the contractor. Our understanding is that the cost we are to carry in our bid is just to load the town trucks. **-Yes, confirmed and will be clarified in Addendum #1.**

Thank You
 Mike Godino
 General Manager

Rebecca Bouchard

From: Rebecca Bouchard
Sent: Thursday, November 06, 2014 3:26 PM
To: 'justdigit@sbcglobal.net'
Subject: RE: Bid Bond: Center for Emergency Services Phase I

Good afternoon Ann.

The bid bond to be used for this project is the AIA A310 which is included in the project manual, as listed in the Table of Contents.

Thank you and have a great day.

Rebecca Bouchard, CSI, CDT
Intern Architect

www.silverpetrucelli.com

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Architects/Engineers/Interior Designers

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Hamden, Connecticut 06518
P: 203-230-9007 ext. 202
F: 203-230-8247

S/P+A is a member of the U.S. Green Building Council

From: Tim Suchocki [<mailto:justdigit@sbcglobal.net>]
Sent: Monday, November 03, 2014 9:48 AM
To: Robin Roohr; David Stein
Subject: Bid Bond: Center for Emergency Services Phase I

Good morning,

We are preparing to order the bid bond for this job. The Invitation to Bid says the bond is to be issued on AIA Document A310. The RD Instruction 1942-A, Attachment 2, Page 1, Article 4.2.2 reads: "written on a form identical to that included in the Bidding Documents..". (I have been unable to find a Bid Bond form in the Bidding Documents.) Please clarify which form is to be used, and if it is other than AIA Document A310, please provide a copy of the correct form.

Thank you in advance for your assistance,

Ann Mazzella

Office Manager

Suchocki & Son, Inc.

141 Swantown Road

Preston, CT 06365

Phone: (860) 889-2283

Fax: (860) 886-8240

(To be submitted in duplicate)

BIDDER: _____
Name

Address

To: Board of Selectman’s Office
Old Town Hall
40 Main Street
North Stonington, CT 06359

Project: **New Center for Emergency Services**
Phase 1 – Excavation
25 Rocky Hollow Road
North Stonington, Connecticut 06359

In preparing this bid, we have carefully examined the Bidding Documents for this Project. We have visited the site and noted the conditions affecting the Work.

The Bidding Documents referred to include Drawings and Project Manual dated August 20, 2014 entitled New Center for Emergency Services, North Stonington, Connecticut, prepared by Silver/Petrucci + Associates, Inc., Hamden, Connecticut.

We propose to perform the work described in the Bidding Documents, in keeping with definitions of Article 1 of the Instructions to Bidders, for the Base Bid Sum of:

Base Bids:

Entire Project – Phase 1 for the Total Lump Sum Cost of:

_____ Dollars (\$) .00)
written figure

We will commence work on the project _____ calendar days after receipt of "Notice to Proceed" or signing of Contract. We will be able to substantially complete the project within _____ calendar days.

Unit Prices:

As required by the Base Bid, should deteriorated or damaged materials be required to be removed as determined by the Architect or Owner, the cost to remove and replace the referenced material, (or credit for specified material not provided or installed) including all labor, material, equipment and related furnishings is as follows:

- 1. Mass rock excavation, removal and disposal off site \$_____/cy

- 2. On-site rock material processing (crush and screen) \$_____/cy
- 3. Boulder (over 1 cu. yd. in size) excavation, removal and disposal off site \$_____/cy

Disposal Site(s):

Identify the company name and contact information for disposal site to be used. Provide an attachment for additional locations.

Name of Company: _____

Address: _____

Telephone Number: _____

If written notice of the acceptance of this Bid is mailed, telegraphed or delivered to the undersigned at the Address designated below, within ninety (90) days after the date of Bid Opening, or any time thereafter before this Bid is withdrawn, the undersigned will, within ten (10) days after the date of mailing, telegraphing or delivering of the notice, execute and deliver a contract in the Agreement Between the Town of North Stonington and Contractor as provided in this project manual.

The undersigned acknowledges that he has examined the documents, visited and examined the site as required under "Instructions to Bidders", examined the availability of labor and materials and further agrees to comply with all the requirements as to the conditions of employment and wage rates set forth in the Contract Documents.

Addenda:

The undersigned acknowledges receipt of the following addenda to the Contract Documents, listed by number and date:

Number , Dated: _____

Number , Dated: _____

Number , Dated: _____

Number , Dated: _____

Exceptions:

NON-COLLUSIVE BID STATEMENT

The undersigned bidder certifies that his bid is made independently and without collusion, agreement, understanding, or planned course of action with any other bidder and that the contents of his bid shall not be disclosed to anyone other than his employees, agents, or sureties prior to the official bid opening.

ATTACHMENTS – Contractor is to attach the following:

- 1. Bid Bond (AIA A310)**
- 2. Compliance Statement (RD 400-6)**
- 3. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – Lower Tier Covered Transactions (Form AD-1048)**
- 4. Certification for Contracts, Grants and Loans (RD 1940-Q)**

Date: _____

Signature: _____

Printed Name and Title
of Agent submitting bid: _____

Name of Company: _____

Address: _____

Telephone Number: _____

Fax Number: _____

Email: _____

This Bid may be withdrawn prior to the scheduled Bid Opening or any postponement thereof.

Project: New Center For Emergency Services

**Minimum Rates and Classifications
for Building Construction**

ID# : B 19859

**Connecticut Department of Labor
Wage and Workplace Standards Division**

By virtue of the authority vested in the Labor Commissioner under provisions of Section 31-53 of the General Statutes of Connecticut, as amended, the following are declared to be the prevailing rates and welfare payments and will apply only where the contract is advertised for bid within 20 days of the date on which the rates are established. Any contractor or subcontractor not obligated by agreement to pay to the welfare and pension fund shall pay this amount to each employee as part of his/her hourly wages.

Project Number:

Project Town: North Stonington

State#:

FAP#:

Project: New Center For Emergency Services

CLASSIFICATION	Hourly Rate	Benefits
1a) Asbestos Worker/Insulator (Includes application of insulating materials, protective coverings, coatings, & finishes to all types of mechanical systems; application of firestopping material for wall openings & penetrations in walls, floors, ceilings	35.75	28.82
<hr/>		
1b) Asbestos/Toxic Waste Removal Laborers: Asbestos removal and encapsulation (except its removal from mechanical systems which are not to be scrapped), toxic waste removers, blasters.**See Laborers Group 7**		
<hr/>		
2) Boilermaker	35.24	25.01

As of: Tuesday, October 28, 2014

Project: New Center For Emergency Services

3a) Bricklayer, Cement Mason, Concrete Finisher (including caulking), Stone Masons	32.50	27.46 + a
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3b) Tile Setter	33.05	23.28
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3c) Terrazzo Mechanics and Marble Setters	31.69	22.35
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3d) Tile, Marble & Terrazzo Finishers	25.95	19.82
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3e) Plasterer	32.50	27.46
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-----LABORERS-----

As of: Tuesday, October 28, 2014

Project: New Center For Emergency Services

4) Group 1: Laborers (common or general), acetylene burners, carpenter tenders, concrete specialists, wrecking laborers, fire watchers.	27.05	17.80
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4a) Group 2: Mortar mixers, plaster tender, power buggy operators, powdermen, fireproofers/mixer/nozzleman (Person running mixer and spraying fireproof only)..	27.30	17.80
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4b) Group 3: Jackhammer Operators/Pavement Breaker, mason tender (brick) and mason tender (cement/concrete)	27.55	17.80
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4c) **Group 4: Pipelayers (Installation of water, storm drainage or sewage lines outside of the building line with P6, P7 license) (the pipelayer rate shall apply only to one or two employees of the total crew who primary task is to actually perform the mating of pipe sections) P6 and P7 rate is \$26.80	27.30	17.80
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4d) Group 5: Air track operators, Sand blasters	27.80	17.80
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4e) Group 6: Nuclear toxic waste removers, blasters	30.05	17.80
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Project: New Center For Emergency Services

4f) Group 7: Asbestos/lead removal and encapsulation (except it's removal from mechanical systems which are not to be scrapped)	28.05	17.80
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4g) Group 8: Bottom men on open air caisson, cylindrical work and boring crew	27.55	17.80
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4h) Group 9: Top men on open air caisson, cylindrical work and boring crew	27.05	17.80
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4i) Group 10: Traffic Control Signalman	16.00	17.80
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5) Carpenter, Acoustical Ceiling Installation, Soft Floor/Carpet Laying, Metal Stud Installation, Form Work and Scaffold Building, Drywall Hanging, Modular-Furniture Systems Installers, Lathers, Piledrivers, Resilient Floor Layers.	31.00	22.50
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5a) Millwrights	31.60	22.75
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As of: Tuesday, October 28, 2014

Project: New Center For Emergency Services

6) Electrical Worker (including low voltage wiring) (Trade License required: E1,2 L-5,6 C-5,6 T-1,2 L-1,2 V-1,2,7,8,9)	38.10	22.72 + 3% of gross wage
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7a) Elevator Mechanic (Trade License required: R-1,2,5,6)	47.15	26.785+a+b
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-----LINE CONSTRUCTION-----

Groundman	24.37	6.5%+10.04
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Linemen/Cable Splicer	44.30	6.5%+17.70
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8) Glazier (Trade License required: FG-1,2)	34.58	18.55
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As of: Tuesday, October 28, 2014

Project: New Center For Emergency Services

9) Ironworker, Ornamental, Reinforcing, Structural, and Precast Concrete Erection	34.47	29.74 + a
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----OPERATORS----

Group 1: Crane handling or erecting structural steel or stone, hoisting engineer 2 drums or over, front end loader (7 cubic yards or over); work boat 26 ft. and over. (Trade License Required)	36.80	22.30 + a
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Group 2: Cranes (100 ton rate capacity and over); Excavator over 2 cubic yards; Piledriver (\$3.00 premium when operator controls hammer); Bauer Drill/Caisson. (Trade License Required)	36.48	22.30 + a
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Group 3: Excavator; Backhoe/Excavator under 2 cubic yards; Cranes (under 100 ton rated capacity), Grader/Blade; Master Mechanic; Hoisting Engineer (all types of equipment where a drum and cable are used to hoist or drag material regardless of motive power of operation), Rubber Tire Excavator (Drott-1085 or similar); Grader Operator; Bulldozer Fine Grade. (slopes, shaping, laser or GPS, etc.). (Trade License Required)	35.74	22.30 + a
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Group 4: Trenching Machines; Lighter Derrick; Concrete Finishing Machine; CMI Machine or Similar; Koehring Loader (Skooper).	35.35	22.30 + a
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Project: New Center For Emergency Services

Group 5: Specialty Railroad Equipment; Asphalt Paver; Asphalt Reclaiming Machine; Line Grinder; Concrete Pumps; Drills with Self Contained Power Units; Boring Machine; Post Hole Digger; Auger; Pounder; Well Digger; Milling Machine (over 24" Mandrell)	34.76	22.30 + a
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Group 5 continued: Side Boom; Combination Hoe and Loader; Directional Driller; Pile Testing Machine.	34.76	22.30 + a
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Group 6: Front End Loader (3 up to 7 cubic yards); Bulldozer (rough grade dozer).	34.45	22.30 + a
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Group 7: Asphalt roller, concrete saws and cutters (ride on types), vermeer concrete cutter, Stump Grinder; Scraper; Snooper; Skidder; Milling Machine (24" and under Mandrell).	34.11	22.30 + a
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Group 8: Mechanic, grease truck operator, hydroblaster; barrier mover; power stone spreader; welding; work boat under 26 ft.; transfer machine.	33.71	22.30 + a
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Group 9: Front end loader (under 3 cubic yards), skid steer loader regardless of attachments, (Bobcat or Similar): forklift, power chipper; landscape equipment (including Hydroseeder).	33.28	22.30 + a
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Project: New Center For Emergency Services

Group 10: Vibratory hammer; ice machine; diesel and air, hammer, etc.	31.24	22.30 + a
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Group 11: Conveyor, earth roller, power pavement breaker (whiphammer), robot demolition equipment.	31.24	22.30 + a
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Group 12: Wellpoint operator.	31.18	22.30 + a
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Group 13: Compressor battery operator.	30.60	22.30 + a
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Group 14: Elevator operator; tow motor operator (solid tire no rough terrain).	29.46	22.30 + a
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Group 15: Generator Operator; Compressor Operator; Pump Operator; Welding Machine Operator; Heater Operator.	29.05	22.30 + a
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As of: Tuesday, October 28, 2014

Project: New Center For Emergency Services

Group 16: Maintenance Engineer/Oiler.	28.40	22.30 + a
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Group 17: Portable asphalt plant operator; portable crusher plant operator; portable concrete plant operator.	30.60	22.30 + a
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Group 18: Power safety boat; vacuum truck; zim mixer; sweeper; (Minimum for any job requiring a CDL license).	30.29	22.30 + a
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-----PAINTERS (Including Drywall Finishing)-----

10a) Brush and Roller	31.02	18.55
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10b) Taping Only/Drywall Finishing	31.77	18.55
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Project: New Center For Emergency Services

10c) Paperhanger and Red Label	31.52	18.55
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10e) Blast and Spray	34.02	18.55
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11) Plumber (excluding HVAC pipe installation) (Trade License required: P-1,2,6,7,8,9 J-1,2,3,4 SP-1,2)	40.31	26.82
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12) Well Digger, Pile Testing Machine	33.01	19.40 + a
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13) Roofer (composition)	32.85	17.72
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14) Roofer (slate & tile)	33.35	17.72
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As of: Tuesday, October 28, 2014

Project: New Center For Emergency Services

15) Sheetmetal Worker (Trade License required for HVAC and Ductwork: SM-1,SM-2,SM-3,SM-4,SM-5,SM-6)	34.87	32.40
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16) Pipefitter (Including HVAC work) (Trade License required: S-1,2,3,4,5,6,7,8 B-1,2,3,4 D-1,2,3,4, G-1, G-2, G-8 & G-9)	40.31	26.82
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-----TRUCK DRIVERS-----

17a) 2 Axle	28.33	19.14 + a
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17b) 3 Axle, 2 Axle Ready Mix	28.43	19.14 + a
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17c) 3 Axle Ready Mix	28.48	19.14 + a
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Project: New Center For Emergency Services

17d) 4 Axle, Heavy Duty Trailer up to 40 tons	28.53	19.14 + a
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17e) 4 Axle Ready Mix	28.58	19.14 + a
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17f) Heavy Duty Trailer (40 Tons and Over)	28.78	19.14 + a
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17g) Specialized Earth Moving Equipment (Other Than Conventional Type on-the-Road Trucks and Semi-Trailers, Including Euclids)	28.58	19.14 + a
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18) Sprinkler Fitter (Trade License required: F-1,2,3,4)	39.76	19.87 + a
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19) Theatrical Stage Journeyman	25.76	7.34
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As of: Tuesday, October 28, 2014

Project: New Center For Emergency Services

Welders: Rate for craft to which welding is incidental.

**Note: Hazardous waste removal work receives additional \$1.25 per hour for truck drivers.*

***Note: Hazardous waste premium \$3.00 per hour over classified rate*

ALL Cranes: When crane operator is operating equipment that requires a fully licensed crane operator to operate he receives an extra \$1.00 premium in addition to the hourly wage rate and benefit contributions:

1) Crane handling or erecting structural steel or stone; hoisting engineer (2 drums or over)

2) Cranes (100 ton rate capacity and over) Bauer Drill/Caisson

3) Cranes (under 100 ton rated capacity)

Crane with 150 ft. boom (including jib) - \$1.50 extra

Crane with 200 ft. boom (including jib) - \$2.50 extra

Crane with 250 ft. boom (including jib) - \$5.00 extra

Crane with 300 ft. boom (including jib) - \$7.00 extra

Crane with 400 ft. boom (including jib) - \$10.00 extra

All classifications that indicate a percentage of the fringe benefits must be calculated at the percentage rate times the "base hourly rate".

Apprentices duly registered under the Commissioner of Labor's regulations on "Work Training Standards for Apprenticeship and Training Programs" Section 31-51-d-1 to 12, are allowed to be paid the appropriate percentage of the prevailing journeymen hourly base and the full fringe benefit rate, providing the work site ratio shall not be less than one full-time journeyman instructing and supervising the work of each apprentice in a specific trade.

The Prevailing wage rates applicable to this project are subject to annual adjustments each July 1st for the duration of the project.

Each contractor shall pay the annual adjusted prevailing wage rate that is in effect each July 1st, as posted by the Department of Labor.

It is the contractor's responsibility to obtain the annual adjusted prevailing wage rate increases directly from the Department of Labor's website.

The annual adjustments will be posted on the Department of Labor's Web page: www.ct.gov/dol. For those without internet access, please contact the division listed below.

The Department of Labor will continue to issue the initial prevailing wage rate schedule to the Contracting Agency for the project.

All subsequent annual adjustments will be posted on our Web Site for contractor access.

Contracting Agencies are under no obligation pursuant to State labor law to pay any increase due to the annual adjustment provision.

As of: Tuesday, October 28, 2014

Project: New Center For Emergency Services

Effective October 1, 2005 - Public Act 05-50: any person performing the work of any mechanic, laborer, or worker shall be paid prevailing wage

All Person who perform work ON SITE must be paid prevailing wage for the appropriate mechanic, laborer, or worker classification.

All certified payrolls must list the hours worked and wages paid to All Persons who perform work ON SITE regardless of their ownership i.e.: (Owners, Corporate Officers, LLC Members, Independent Contractors, et. al)

Reporting and payment of wages is required regardless of any contractual relationship alleged to exist between the contractor and such person.

~~Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clause (29 CFR 5.5 (a) (1) (ii)).

Please direct any questions which you may have pertaining to classification of work and payment of prevailing wages to the Wage and Workplace Standards Division, telephone (860)263-6790.

As of: Tuesday, October 28, 2014



MATERIALS TESTING, INC.

55 LAURA STREET • NEW HAVEN, CONNECTICUT 06512 • (203)468-5216
42 BOSTON POST ROAD • WILLIMANTIC, CONNECTICUT 06226 • (860)423-1972
materialstestinginc.com

DATE: 06-20-14

REPORT: S-1002

CLIENT: Donald Smith, P.E.
56 Greenwood Circle
Seymour, CT 06483

PROJECT: Client's Information

SUBJECT: SIEVE ANALYSIS ASTM C-136

Material: Process #1

Source: Sampled by client

Sampled by: Client

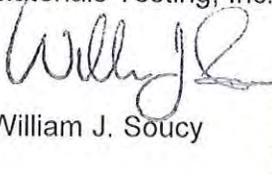
Received: 06-20-14

Lab Sample: L-4500



<u>Sieve Size</u>	<u>Percent Passing</u>
2" (50mm)	100
1 1/2" (37mm)	95
1" (25mm)	92
3/4" (19mm)	82
1/2" (12.5mm)	78
3/8" (9.5mm)	75
1/4" (6.3mm)	71
#10 (2.0mm)	61
#20 (850µm)	53
#40 (425µm)	41
#100 (150µm)	16
#200 (75µm)	10.7

Materials Testing, Inc.


William J. Soucy

1cc: Client

lgs



MATERIALS TESTING, INC.

55 LAURA STREET • NEW HAVEN, CONNECTICUT 06512 • (203)468-5216
42 BOSTON POST ROAD • WILLIMANTIC, CONNECTICUT 06226 • (860)423-1972
materialstestinginc.com

DATE: 06-20-14

REPORT: S-1003

CLIENT: Donald Smith, P.E.
56 Greenwood Circle
Seymour, CT 06483

PROJECT: Client's Information

SUBJECT: SIEVE ANALYSIS (ASTM C-136)

Material: Process #2

Source: Sampled by client

Sampled by: Client

Received: 06-20-14

Lab Sample: L-4501



State of Connecticut
Department of Transportation
Form 816, M.02.06

Sieve Size	Percent Passing	Grading	
		Grading A	Grading B
5" (125mm)	100		100
3 1/2" (90mm)	100	100	90-100
3" (75mm)	100		
2" (50mm)	75		
1 1/2" (37mm)	61	55-100	55-95
1" (25mm)	52		
3/4" (19mm)	47		
1/2" (12.5mm)	41		
3/8" (9.5mm)	38		
1/4" (6.3mm)	34	25-60	25-60
#10 (2.0mm)	27	15-45	15-45
#20 (850µm)	21		
#40 (425µm)	15	5-25	5-25
#100 (150µm)	5	0-10	0-10
#200 (75µm)	2.4	0-5	0-5

The above listed results met the above listed specifications.

1cc: Client

lgs

Materials Testing, Inc.

William J. Soucy



MATERIALS TESTING, INC.

55 LAURA STREET • NEW HAVEN, CONNECTICUT 06512 • (203)468-5216
42 BOSTON POST ROAD • WILLIMANTIC, CONNECTICUT 06226 • (860)423-1972
materialstestinginc.com

DATE: 06-20-14

REPORT: S-1004

CLIENT: Donald Smith, P.E.
56 Greenwood Circle
Seymour, CT 06483

PROJECT: Client's Information

SUBJECT: SIEVE ANALYSIS ASTM C-136

Material: Process #3

Source: Sampled by client

Sampled by: Client

Received: 06-20-14

Lab Sample: L-4502

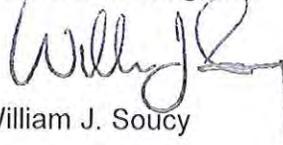


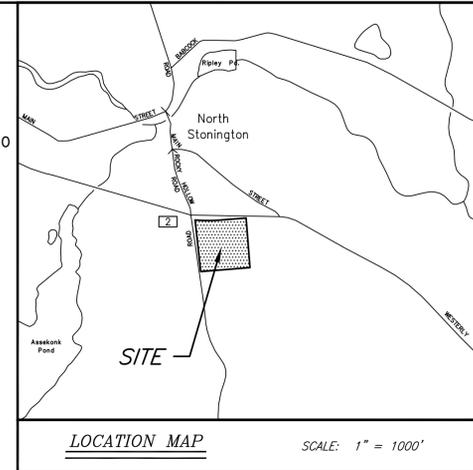
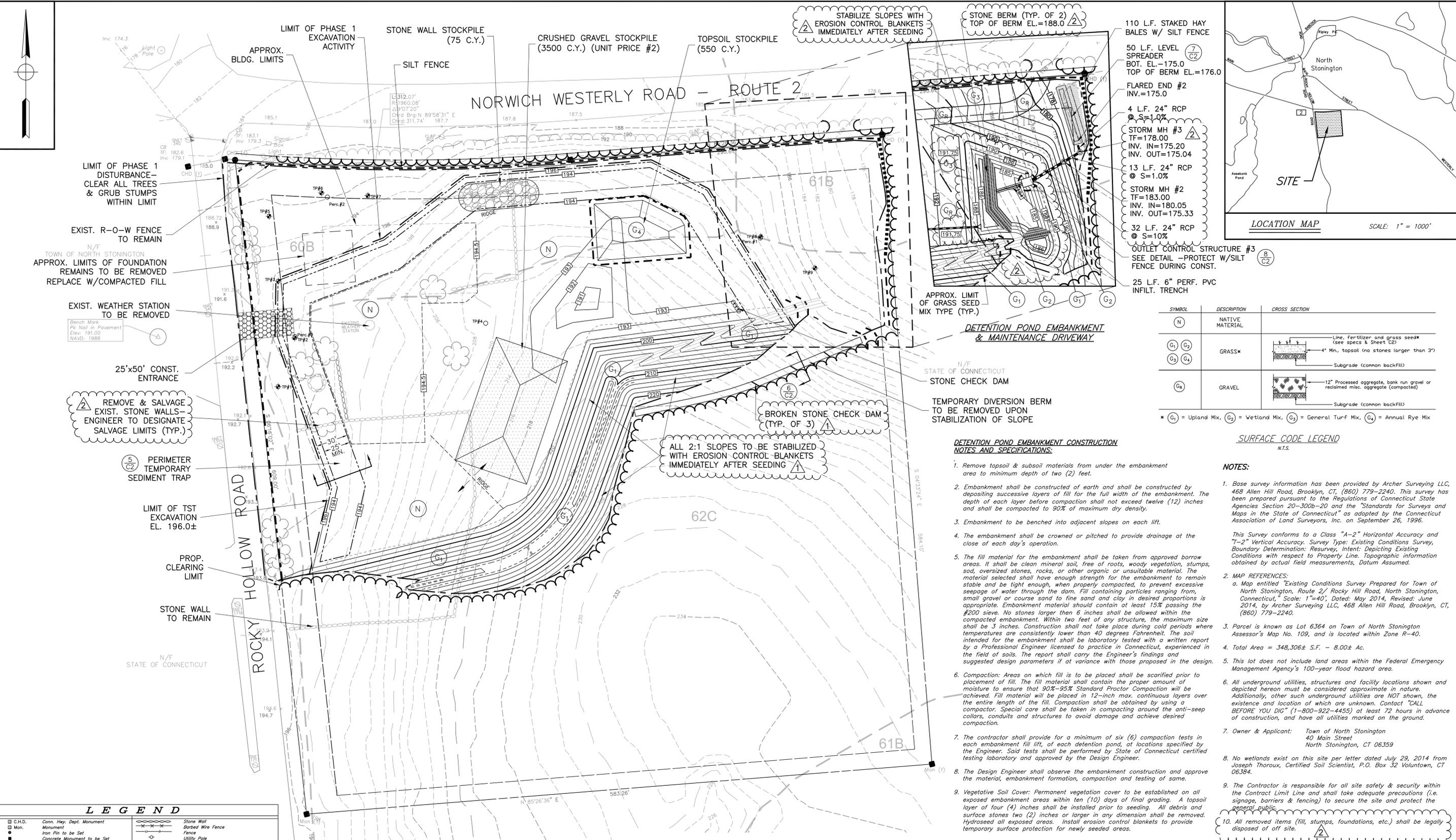
<u>Sieve Size</u>	<u>Percent Passing</u>
5" (125mm)	100
3 1/2" (90mm)	100
3" (75mm)	100
2" (50mm)	81
1 1/2" (37mm)	78
1" (25mm)	70
3/4" (19mm)	67
1/2" (12.5mm)	63
3/8" (9.5mm)	60
1/4" (6.3mm)	56
#10 (2.0mm)	46
#20 (850µm)	38
#40 (425µm)	29
#100 (150µm)	11
#200 (75µm)	6.0*

1cc: Client

lgs

Materials Testing, Inc.


William J. Soucy



- 110 L.F. STAKED HAY BALES W/ SILT FENCE
- 50 L.F. LEVEL SPREADER
BOT. EL.=175.0
TOP OF BERM EL.=176.0
- FLARED END #2
INV.=175.0
- 4 L.F. 24" RCP
@ S=1.0%
- STORM MH #3
TF=178.00
INV. IN=175.20
INV. OUT=175.04
- 13 L.F. 24" RCP
@ S=1.0%
- STORM MH #2
TF=183.00
INV. IN=180.05
INV. OUT=175.33
- 32 L.F. 24" RCP
@ S=10%
- OUTLET CONTROL STRUCTURE #3
SEE DETAIL -PROTECT W/SILT FENCE DURING CONST.
- 25 L.F. 6" PERF. PVC INFLT. TRENCH

SYMBOL	DESCRIPTION	CROSS SECTION
(N)	NATIVE MATERIAL	
(G1, G2, G3, G4)	GRASS*	Line, Fertilizer and grass seed* (See specs & Sheet C2) 4" Min. topsoil (no stones larger than 3") Subgrade (Common backfill)
(G6)	GRAVEL	12" Processed aggregate, bank run gravel or reclaimed misc. aggregate (compacted) Subgrade (Common backfill)

* (G1) = Upland Mix, (G2) = Wetland Mix, (G3) = General Turf Mix, (G4) = Annual Rye Mix

SURFACE CODE LEGEND
N.T.S.

NOTES:

DETENTION POND EMBANKMENT CONSTRUCTION NOTES AND SPECIFICATIONS:

1. Remove topsoil & subsoil materials from under the embankment area to minimum depth of two (2) feet.
2. Embankment shall be constructed of earth and shall be constructed by depositing successive layers of fill for the full width of the embankment. The depth of each layer before compaction shall not exceed twelve (12) inches and shall be compacted to 90% of maximum dry density.
3. Embankment to be benched into adjacent slopes on each lift.
4. The embankment shall be crowned or pitched to provide drainage at the close of each day's operation.
5. The fill material for the embankment shall be taken from approved borrow areas. It shall be clean mineral soil, free of roots, woody vegetation, stumps, sod, oversized stones, rocks, or other organic or unsuitable material. The material selected shall have enough strength for the embankment to remain stable and be tight enough, when properly compacted, to prevent excessive seepage of water through the dam. Fill containing particles ranging from, small gravel or coarse sand to fine sand and clay in desired proportions is appropriate. Embankment material should contain at least 15% passing the #200 sieve. No stones larger than 6 inches shall be allowed within the compacted embankment. Within two feet of any structure, the maximum size shall be 3 inches. Construction shall not take place during cold periods where temperatures are consistently lower than 40 degrees Fahrenheit. The soil intended for the embankment shall be laboratory tested with a written report by a Professional Engineer licensed to practice in Connecticut, experienced in the field of soils. The report shall carry the Engineer's findings and suggested design parameters if at variance with those proposed in the design.
6. Compaction: Areas on which fill is to be placed shall be scarified prior to placement of fill. The fill material shall contain the proper amount of moisture to ensure that 90%-95% Standard Proctor Compaction will be achieved. Fill material will be placed in 12-inch max. continuous layers over the entire length of the fill. Compaction shall be obtained by using a compactor. Special care shall be taken in compacting around the anti-seep collars, conduits and structures to avoid damage and achieve desired compaction.
7. The contractor shall provide for a minimum of six (6) compaction tests in each embankment lift, of each detention pond, at locations specified by the Engineer. Said tests shall be performed by State of Connecticut certified testing laboratory and approved by the Design Engineer.
8. The Design Engineer shall observe the embankment construction and approve the material, embankment formation, compaction and testing of same.
9. Vegetative Soil Cover: Permanent vegetation cover to be established on all exposed embankment areas within ten (10) days of final grading. A topsoil layer of four (4) inches shall be installed prior to seeding. All debris and surface stones two (2) inches or larger in any dimension shall be removed. Roadseed all exposed areas. Install erosion control blankets to provide temporary surface protection for newly seeded areas.
10. All removed items (fill, stumps, foundations, etc.) shall be legally disposed of off site.

LIMIT OF PHASE 1 DISTURBANCE - CLEAR ALL TREES & GRUB STUMPS WITHIN LIMIT

EXIST. R-O-W FENCE TO REMAIN

TOWN OF NORTH STONINGTON APPROX. LIMITS OF FOUNDATION REMAINS TO BE REMOVED REPLACE W/COMPACTED FILL

EXIST. WEATHER STATION TO BE REMOVED

Bench Mark Pk. No. 1 in Pavement Elev. 191.00 NAVD. 1988

25'x50' CONST. ENTRANCE

REMOVE & SALVAGE EXIST. STONE WALLS - ENGINEER TO DESIGNATE SALVAGE LIMITS (TYP.)

PERIMETER TEMPORARY SEDIMENT TRAP

LIMIT OF TST EXCAVATION EL. 196.0±

PROP. CLEARING LIMIT

STONE WALL TO REMAIN

N/F STATE OF CONNECTICUT

ROCKY HOLLOW ROAD

ROCKY HOLLOW ROAD

NORWICH WESTERLY ROAD - ROUTE 2

LIMIT OF PHASE 1 EXCAVATION ACTIVITY

STONE WALL STOCKPILE (75 C.Y.)

CRUSHED GRAVEL STOCKPILE (3500 C.Y.) (UNIT PRICE #2)

TOPSOIL STOCKPILE (550 C.Y.)

STABILIZE SLOPES WITH EROSION CONTROL BLANKETS IMMEDIATELY AFTER SEEDING

STONE BERM (TYP. OF 2) TOP OF BERM EL.=188.0

DETENTION POND EMBANKMENT & MAINTENANCE DRIVEWAY

N/F STATE OF CONNECTICUT STONE CHECK DAM

TEMPORARY DIVERSION BERM TO BE REMOVED UPON STABILIZATION OF SLOPE

BROKEN STONE CHECK DAM (TYP. OF 3)

ALL 2:1 SLOPES TO BE STABILIZED WITH EROSION CONTROL BLANKETS IMMEDIATELY AFTER SEEDING

LEGEND

<ul style="list-style-type: none"> CH.D. Monument Man. Monument Iron Pin to be Set Concrete Monument to be Set Iron Pipe U.P. Iron Pin D.H. Drill Hole File of Stones F.P. Fence Post Fnd. Found n/f Now or Formerly Property Line Centerline Ledge or Boulders Earth or gravel fill Existing Spot Elevation Proposed Spot Elevation Invert Elevation of Pipe Water gate valve W.G. Water gate valve G.G. Gas gate valve W. Gas main WS Water service lateral Sanitary sewer lateral Proposed bituminous apron Proposed construction entrance Flush conditions at doorway 	<ul style="list-style-type: none"> Stone Wall Banded Wire Fence Fence Utility Pole United Illuminating Co. Pole C.L.&P. Conn. Light & Power Co. Pole S.N.E.T. Southern New England Telephone Manhole Catch Basin Evergreen Tree Deciduous Tree Sewerage or Wetlands Watercourse Existing Contours Proposed Contours Reinforced Concrete Pipe H.D.P.P. High Density Polyethylene Pipe Perc.# Perc. # TP# Deep Test Pit Location Stone Retaining Wall Soil Type Boundary Proposed Filter Barrier Wetland Flag Number Proposed storm water catch basin Proposed storm water sewer P.B.C. (Proposed bituminous curb) P.C.C. (Proposed concrete curb)
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TEMPORARY SEDIMENT TRAP SCHEDULE

TST #	CONTRIBUTING AREA (Ac)	REQUIRED VOL. (c.y./Ac. (c.1))	VOL. PROVIDED (c.y.)	BOTTOM (Elev./Dim's)	WATER SURFACE (Elev./Dim's)	TOP BERM ELEV.
Perimeter	2.93	10,611	18,576	194.0/25x686	195.0/29x690	196.0



See Sheet C2 for Erosion Control Notes, Details and Proposed Sequence.

REVISIONS

NO.	DESCRIPTION	DATE
1	Town Engr. Comments	9/8/14
2	Town Engr. & Town Planner comments	10/7/14

SILVER / PETRUCELLI + ASSOCIATES
Architects / Engineers / Interior Designers

3190 Whitney Avenue, Hamden, CT 06518-2340
Tel. 203 230 9007 Fax. 203 230 8247
silverpetrucelli.com

DONALD W. SMITH, JR., P.E.
CONSULTING ENGINEER
56 GREENWOOD CIRCLE SEYMOUR, CT 06483
Tel. 203-888-4904 Fax 203-881-3434 dwsjrps@sbcbglobal.net

DEMOLITION PLAN / PHASE 1 EXCAVATION PLAN

TOWN OF NORTH STONINGTON
CENTER FOR EMERGENCY SERVICES

#25 ROCKY HOLLOW ROAD
NORTH STONINGTON, CONNECTICUT

Job No. 14-01
Scale: 1"=40'
Date: 8/20/14
Designed: D.W.S.
Drawn: K.D.K.
Sheet: C1

EROSION CONTROL NOTES:

- Land disturbance shall be kept to the minimum necessary for construction operations.
- All soil erosion and sediment control measures must be constructed in accordance with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control by the Connecticut Council on Soil and Water Conservation in cooperation with the Connecticut Department of Environmental Protection.
- Erosion and sediment control measures shall be installed as depicted on this plan, and maintained in an effective condition throughout the construction period. Additional measures shall be installed as necessary and required.
- All disturbed areas shall be permanently stabilized as soon as practicable. Seed all disturbed areas with a temporary seed mixture within 7 days after the suspension of grading work in disturbed areas where the suspension of work is expected to be more than 30 days but less than 1 year.
- Mr. Mark Perkins, Building Committee Chairman, 40 Main Street N. Stonington, CT 06359 860-625-1630, and the Site Contractor (to be determined) are assigned the responsibility for implementing the control measures of this plan. This responsibility includes the installation and maintenance of control measures, informing all parties engaged on the construction site of the requirements and objectives of this plan, and notifying the Planning and Zoning Commission of the transfer of this responsibility, and for conveying a copy of this plan if title to the property is transferred.

GENERAL CONSTRUCTION SEQUENCE - PHASE 1:

The anticipated time of completion for all aspects of the Phase 1 construction is six months (6) months from the initial start date.

The general sequence of work will be as follows:

- Flag clearing limits, Notify "Call Before You Dig" (1-800-922-4455) and hold pre-construction meeting prior to any onsite activity. (Estimated Time: 5 days)
- Install construction entrance (Estimated Time: 1 day)
- Clear trees from proposed development area and legally dispose of all grubbed materials. (Estimated Time: 5 days)
- Install perimeter silt fence and temporary diversion berm as shown on plans and as directed by the "Engineer". Maintain all erosion and sediment control measures in an effective condition throughout the construction phase. (Estimated Time: 3 days)
- Excavate perimeter TEMPORARY SEDIMENT TRAP (TST) and install temporary outlets. (Estimated Time: 10 days)
- Grub stumps from proposed development area and legally dispose of all grubbed materials. (Estimated Time: 5 days)
- Strip and stockpile topsoil. Install silt fence around perimeter of stockpile areas and temporarily seed. (Estimated Time: 5 days)
- Remove, salvage and stockpile stone walls. (Estimated Time: 5 days)
- Commence general excavation working from west to east. Install temporary berms and ditches as required to direct runoff to perimeter TST. (Estimated Time: 60 days)
- Construct Detention Pond embankment and maintenance driveway. Install Detention pond outlet structure, HDPP and storm drainage outlet. (Estimated Time: 15 days)
- Complete excavation to indicated grades. Install topsoil, grass seed and mulch. Stabilize all cut and fill slopes as soon as practical after formation. (Estimated Time: 4 weeks)

SOIL TESTING RESULTS:

TESTING PERFORMED BY THE OFFICE OF DONALD W. SMITH, JR., P.E. CONSULTING ENGINEER, DEEP TEST PITS OBSERVED BY WAYNE GREEN R.S. OF THE NORTH STONINGTON HEALTH DEPT.

TP #1 (6/4/14)	TP #2 (6/4/14)	TP #3 (6/4/14)
0"-8" TOPSOIL	0"-8" TOPSOIL	0"-8" TOPSOIL
8"-36" ORN-BRN SANDY LOAM	8"-40" ORN-BRN SANDY LOAM	8"-52" ORN-BRN SANDY LOAM
36"-50" ORG. MOTTLED SANDY LOAM	40"-120" GREY COMPACT SANDY HARD PAN (SIEVE SAMPLE #1 @ 60")	52"-125" GREY F-C SAND & F GRAVEL, COMPACT
50"-115" GREY COMPACT SANDY HARD PAN	NO LEDGE / NO WATER / NO MOTTLING @ 36"	NO LEDGE / NO WATER / NO MOTTLING
NO LEDGE / NO WATER / NO MOTTLING @ 36"	NO LEDGE / NO WATER / NO MOTTLING @ 40"	NO LEDGE / NO WATER / NO MOTTLING @ 55"

TP #4 (6/4/14)	TP #5 (6/4/14)	TP #6 (6/4/14)	TP #7 (6/4/14)
0"-10" TOPSOIL	0"-8" TOPSOIL	0"-8" TOPSOIL	0"-10" TOPSOIL
10"-38" ORN-BRN SANDY LOAM	8"-42" ORN-BRN SANDY LOAM	8"-28" ORN-BRN SANDY LOAM	10"-55" ORN-BRN SANDY LOAM
38"-144" GREY COMPACT SAND & F GRAVEL (SIEVE SAMPLE #3 @ 72")	42"-110" GREY COMPACT SAND & F GRAVEL	28"-110" GREY COMPACT SAND & F GRAVEL	55"-125" GREY COMPACT SAND & F GRAVEL
NO LEDGE / NO WATER / NO MOTTLING	NO LEDGE / NO WATER / NO MOTTLING	NO LEDGE / NO WATER / NO MOTTLING	NO LEDGE / NO WATER / NO MOTTLING @ 55"

TP #8 (6/4/14)	TP #9 (6/4/14)
0"-8" TOPSOIL	0"-8" TOPSOIL
8"-30" ORN-BRN SANDY LOAM	8"-30" ORN-BRN SANDY LOAM
30"-48" GREY COMPACT SAND & F GRAVEL - STOPPED EXCAVATION @ 48" NOT REFUSAL	30"-144" TAN & GREY COMPACT SAND & F GRVL (SIEVE SAMPLE #2 @ 96")
NO LEDGE / NO WATER / NO MOTTLING	NO LEDGE / NO WATER / NO MOTTLING

GENERAL CONSTRUCTION SEQUENCE - PHASE 2:

The anticipated time of completion for all aspects of construction is twelve (12) months from the initial start date.

The general sequence of work will be as follows and work may occur in more than one phase at any given time.

- Notify "Call Before You Dig" (1-800-922-4455) and hold pre-construction meeting prior to any onsite activity. (Estimated Time: 3 days)
- Install construction entrances and additional erosion control measures as indicated. Maintain all erosion and sediment control measures in an effective condition throughout the construction phase. (Estimated Time: 1 day)
- Excavate for TST #1 & #2. Install temporary berms and ditches to direct runoff to TST. (Estimated Time: 3 days)
- Strip and stockpile topsoil. Install silt fence around perimeter of stockpile areas and temporarily seed. (Estimated Time: 1 day)
- Excavate for building footings and foundations, install footings and foundations and backfill. (Estimated Time: 30 days)
- Begin building construction. (Estimated Time: 52 weeks)
- Install on-site utilities (water, sewer, elec./tele/CATV & gas) (Estimated Time: 3 weeks)
- Install new storm drainage and Storm Water Management Systems (SWMS). (Estimated Time: 4 weeks)
- Install concrete curbing and sidewalks. (Estimated Time: 2 weeks)
- Complete "boxing out" of parking lot and driveway areas, form shoulders and prepare subgrade for gravel base. (Estimated Time: 2 weeks)
- Remove temporary sediment traps. (Estimated Time: 1 week)
- Install gravel and processed aggregate roadway base courses. (Estimated Time: 10 days)
- Install bituminous concrete pavement. (Estimated Time: 1 week)
- Install parking and traffic markings and signage. (Estimated Time: 1 week)
- Install landscape plantings and complete loaming and seeding of grass areas and all remaining disturbed areas as soon as practical. (Estimated Time: 10 days)

TEMPORARY SEDIMENT TRAP

CONSTRUCTION NOTES:

- Excavate as needed to attain the necessary storage requirements.
- Check the outlet to ensure that it is structurally sound and has not been damaged by erosion or construction equipment.
- Check for sediment accumulation and filtration performance.
- When sediments have accumulated to one half the minimum required volume of the wet storage, dewater the trap as needed, remove sediments and restore the trap to its original dimensions. Dispose of the sediment removed from the basin in a suitable area and in such a manner that it will not erode and cause sedimentation problems.
- The temporary sediment trap may be removed after the contributing drainage area is stabilized.

MAINTENANCE NOTES:

WETLAND SEED MIX:

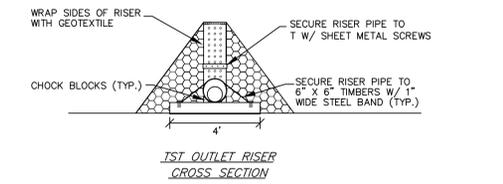
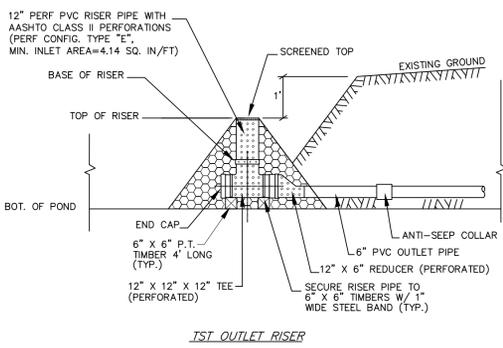
SPECIES: FOX SEDGE, (CAREX VULPINOIDEA), LURID SEDGE, (CAREX LURIDA), BLUNT BROOM SEDGE, (CAREX SCOPARIA), SENSITIVE FERN, (ONOCLEA SENSIBILIS), BLUE VERVAIN, (VERBENA HASTATA), HOP SEDGE, (CAREX LUPULINA), GREEN BULRUSH, (SCIRPUS ATROVIRENS), NODDING BUR MARIGOLD, (BIDENS CER-NUA), BRISTLY SEDGE, (CAREX COMOSA), FRINGED SEDGE, (CAREX CRINITA), AMERICAN MANNAGRASS, (GLYCERIA GRANDIS), WOOL GRASS, (SCIRPUS CYPERINUS), SOFT RUSH, (JUNCUS EFFUSUS), SPOTTED JOE PYE WEED, (EUPATORIUM MACULATUM), BONESET, (EUPATORIUM PERFORLATUM), MUD PLANTAIN, (ALISMA SUBCORDATUM), NEW ENGLAND ASTER, (ASTER NOVAE-ANGLIAE), RATTLESNAKE GRASS, (GLYCERIA CANADENSIS), PURPLESTEM ASTER (ASTER PUNICEUS), SOFT STEM BULRUSH, (SCIRPUS VALUOS), BLUEFLAG (IRIS VERSICOLOR), SWAMP MILKWEED, (ASCLEPIAS INCARNATA), MONKEY FLOWER, (MIMULUS RINGENS). THE FUNCTIONALITY OF EACH MIX WILL REMAIN UNCHANGED, ALTHOUGH MIX COMPOSITION MAY VARY DURING THE YEAR.

APPLICATION RATE: 1 POUND / 2,500 SQUARE FEET

UPLAND SEED MIX:

GRASSES
 VIRGINIA WILD RYE (ELYMUS VIRGINICUS), LITTLE BLUESTEM (SCHIZACHYRIUM SCOPARIUM), CREEPING RED FESCUE (FESTUCA RUBRA), BIG BLUESTEM (ANDROPODON GERARDII), INDIAN GRASS (SORGHASTRUM NUTANS), SWITCH GRASS (PANICUM VIRGATUM)
 WILDFLOWERS
 PARTRIDGE PEA (CHAMAECRISTA FASCICULATA), BUTTERFLY MILKWEED (ASCLEPIAS TUBEROSA), GOLDEN ALEXANDERS (ZIZIA AUREA), SMOOTH BLUE ASTER (ASTER LAEVIS), BUSH CLOVER (LESPEDEZA CAPITATA), PURPLE JOE PYE WEED (EUPATORIUM PURPUREUM), WILD BERGAMOT (MONARDA FISTULOSA), GREEN HEADED CENEFLOWER (RUDBECKIA LACINIATA), GRASS LEAVED GOLDENROD (EUTHAMIA GRAMINIFOLIA), NEW ENGLAND ASTER (ASTER NOVAE-ANGLIAE), EARLY GOLDENROD (SOLIDAGO JUNCEA)
 SHRUBS
 RED-OSIERDOGWOOD (CORNUS SERICEA), STAGHORN SUMAC (RHUS TYPHINA), WITCH HAZEL (HAMMELIS VIRGINIANA), BLACK CHERRY (PRUNUS SEROTINA)

APPLICATION RATE: 1 POUND / 1,250 SQUARE FEET



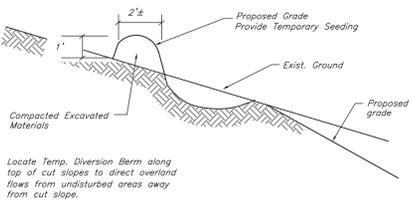
4 TEMPORARY SEDIMENT TRAP OUTLET RISER
N.T.S.

MODIFIED RIPRAP:

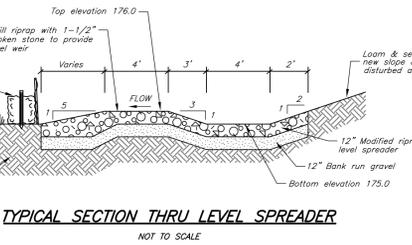
ROCK SIZE	% OF WEIGHT (MASS)
LESS THAN 10"	100%
6" to 10"	20 - 50%
4" to 6"	30 - 60%
2" to 4"	30 - 40%
1" to 2"	10 - 20%
LESS THAN 2"	0 - 10%



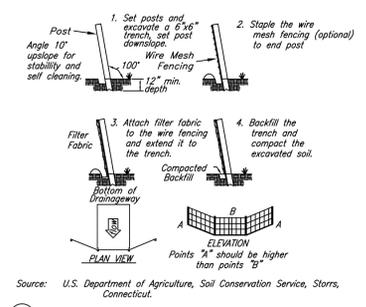
5 PERIMETER TEMPORARY SEDIMENT TRAP SECTION
N.T.S.



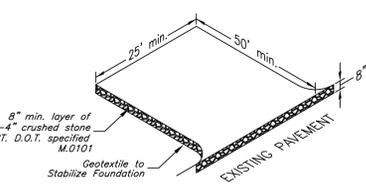
6 TEMPORARY DIVERSION BERM
NOT TO SCALE



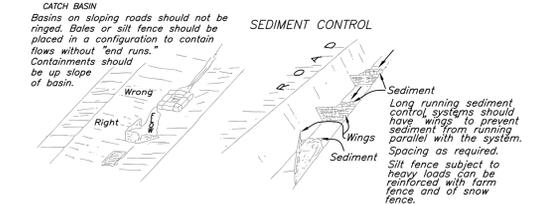
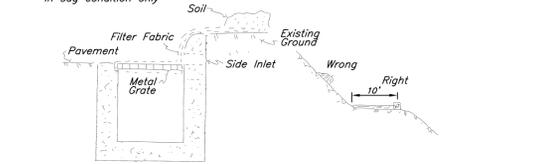
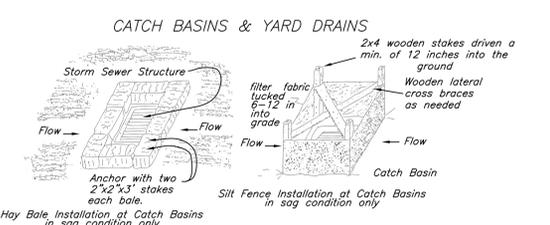
7 TYPICAL SECTION THRU LEVEL SPREADER
NOT TO SCALE



1 PLACEMENT AND CONSTRUCTION OF A SYNTHETIC FILTER BARRIER
N.T.S.

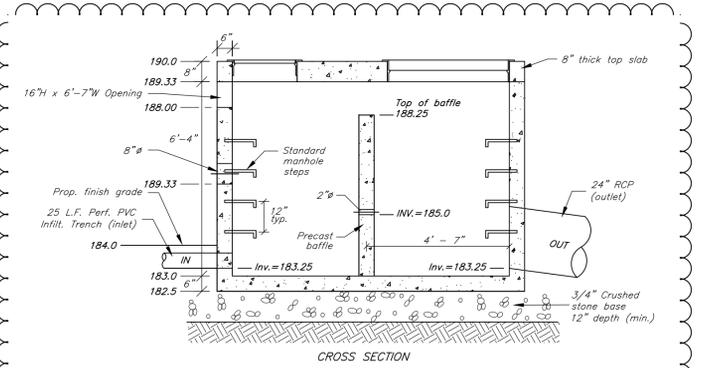


2 CONSTRUCTION ENTRANCE ANTI - TRACKING PAD
N.T.S.



Source: U.S. Department of Agriculture, Soil Conservation Service, Storrs, CT.

3 PLACEMENT OF CONTROL MEASURES AT CATCH BASINS & YARD DRAINS
N.T.S.



8 OUTLET CONTROL STRUCTURE #3 DETAIL
N.T.S.

REVISIONS			SILVER / PETRUCELLI + ASSOCIATES Architects / Engineers / Interior Designers	EROSION CONTROL DETAILS		Job No. 14-01
NO.	DESCRIPTION	DATE		TOWN OF NORTH STONINGTON CENTER FOR EMERGENCY SERVICES		Scale: As Noted
1	Town Engr. Comments	9/8/14	3190 Whitney Avenue, Hamden, CT 06518-2340 Tel. 203 230 9007 Fax. 203 230 8247 silverpetrucelli.com	#25 ROCKY HOLLOW ROAD		Date: 8/20/14
2	Town Engr. & Town Planner comments	10/7/14		NORTH STONINGTON, CONNECTICUT		Designed: D.W.S.
DONALD W. SMITH, JR., P.E. CONSULTING ENGINEER 56 GREENWOOD CIRCLE SEYMOUR, CT 06483 Tel. 203-888-4904 Fax 203-881-3434 dwsjrpe@scgglobal.net						Drawn: K.D.K.
						Sheet: C2