

## **Town of Berlin**

### Planning and Zoning Department

240 Kensington Road Berlin, Connecticut 06037 www.town.berlin.ct.us

### Town of Berlin Received

JUN 0 3 2021

Planning & Zoning Department Berlin, Connecticut

### SITE PLAN APPLICATION

☐ Site Plan	Site Plan Amendment
Project Name: Eversource Berlin Traini Property Owner(s): Eversource Energy	ng Yard Expansion
Project Address*: 107 Selden Street	
Map: 5 Block: 1 Lot: 122	Zone(s): OT Lot Area: 110.6 AC
<ul> <li>□ Amendment to Zoning Regulations – S</li> <li>□ Amendment to Zoning Map – Zone(s)</li> <li>□ Zoning Board of Appeals review needs</li> <li>□ Inland Wetlands and Water Course Co</li> </ul>	ipal Boundary of Newington/ Rocky Hill Section(s) affected ed
Name: Christopher P. Cardany	Firm Name: Langan CT, Inc.
Street Address: 555 Long Wharf Drive	City: New Haven ST: CT Zip: 06511
Email: ccardany@langan.com	Phone: 203-562-5771
Signature:	Date: 06/03/2021
Property Owner(s) Inform	mation (If Not the Applicant)
Name: Eversource Energy	Principal: Joe Mongillo
	City: Hartford ST: CT Zip: 06103
Email: joseph.mongillo@eversource.com	
*Letter of Authorization Required	

<sup>\*</sup>Any town official and/or employee that the town deems necessary may enter the property to verify information submitted with this application.

This Site Plan Involves: ☐ Additions ☐	Alterations	□ Demolition	☑ New Construction
Description of Project*: The yard, including electrical to gravel drives, fencing, and	raining equipmen	t, three structures or	n concrete pads,
*If more space is needed, then p	lease provide separate	narrative document.	
\$	SITE PLAN ZONI	NG STATISTICS	
	EXISTING	PROPOSED	REQUIRED
USE(S)			
COMMERCIAL  Gross Floor Area	***************************************		
Parking Spaces		<del></del>	
INDUSTRIAL Gross Floor Area			
Parking Spaces			
RESIDENTIAL Number of Units			
Number of Bedrooms Gross Floor Area			
Parking Spaces  OTHER USES  Gross Floor Area  Parking Spaces		er to the zoning chart 01 for zoning statistic	
To be completed by P&Z staff Fee Paid \$(Refe	er to current Fee Scheo	lule)	
Received by: 10 July	<u> </u>		Town of Berlin

Received

JUN 03 2021

Planning & Zoning Department Berlin, Connecticut

# TOWN OF BERLIN PLANNING & ZONING DEPARTMENT STAFF COMMENTS

**APPLICATION:** Site Plan Amendment

**APPLICANT:** Eversource Berlin Training Yard Expansion

**LOCATION:** 107 Selden Street **AGENDA DATE:** July 15, 2021

### To the Applicant:

• These are the comments received to date, additional comments may be forthcoming.

• Please submit any written response to Maureen Giusti, Acting Town Planner/Zoning Enforcement Officer at <a href="mailto:mgiusti@town.berlin.ct.us">mgiusti@town.berlin.ct.us</a> or revised plans directly to the Planning & Zoning Department in Room 121. We will forward your comments or distribute materials to the relevant departments.

### **Economic Development**

No comment

### Health District

No comment

### Board of Police Commissioners

No comment

### Police Chief

No comment

### Berlin Water Control

No comment

### Building Official

Structural documentation for control house required for permitting

### Fire Marshal

No comment

### Inland Wetlands

No comment

Emailed to Applicant: July 8, 2021

### Frances Semnoski

From:

Brian Phillips <bphillips@Langan.com>

Sent:

Monday, July 12, 2021 3:12 PM

To:

Maureen Giusti; Frances Semnoski

Cc:

Ron Miller

Subject:

RE: Berlin Staff Comments

Town of Berlin Received

JUL 12 2021

Planning & Zoning Department Berlin, Connecticut

Maureen,

Thank you for your reply. In the interim, we would like to formally respond to the one comment from the building official below:

Comment (07/08/21): Structural documentation for control house required for permitting

**Response (07/12/21)**: We plan to have a complete set of structural drawings for the proposed concrete pads for the training yard. The control house and the storage buildings are pre-engineered shed-like structures that Eversource will purchase. The structural engineer will provide engineered drawings for the footings and slabs for these pre-engineered structures.

Thank you, Brian Phillips, P.E. Project Engineer

### LANGAN

Direct: 203.784.3026 Mobile: 203.530.5150 File Sharing Link www.langan.com

CONNECTICUT NEW JERSEY NEW YORK MASSACHUSETTS PENNSYLVANIA WASHINGTON, DC VIRGINIA OHIO ILLINOIS FLORIDA TEXAS ARIZONA COLORADO WASHINGTON CALIFORNIA ATHENS CALGARY DUBAI LONDON PANAMA

A Carbon-Neutral Firm | Langan's goal is to be SAFE (Stay Accident Free Everyday)

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From: Maureen Giusti < mgiusti@town.berlin.ct.us>

Sent: Friday, July 9, 2021 2:46 PM

To: Brian Phillips <bphillips@Langan.com>; Frances Semnoski <fsemnosk@town.berlin.ct.us>

Subject: [External] RE: Berlin Staff Comments

Brian,

Thank you for your email. I am continuing to work on the Planning & Zoning Reviews for the applications on the agenda. Unfortunately our office is not only extremely busy, but is short-staffed as the ZEO recently left the town for another opportunity. While I'd hoped to have comments by the end of this week, I am still working through applications. Maureen

Maureen K. Giusti, AICP Acting Town Planner / ZEO

# Town of Berlin

Department of Economic Development

July 6, 2021

Joan Veley Chairwoman Planning and Zoning Commission Town of Berlin 240 Kensington Road Berlin, CT 06037

Re: Eversource Training Yard Expansion

Dear Chairwoman Veley and Commission Members:

In 2016, Eversource chose to set up their gas training facility in Berlin in instead of placing/constructing it in Massachusetts. This brought an investment of over \$1 million into Berlin and regularly brings gas technicians from throughout New England to the Eversource campus for their specialized training.

The application before you will allow Eversource the ability to expand their training capabilities here in town as well as again invest here. I am excited about this as it is shows their commitment to hiring, training and growing their workforce in Berlin.

I am fully in support of this project.

Thank you very much for your time this evening!

Sincerely,

Christopher Edge

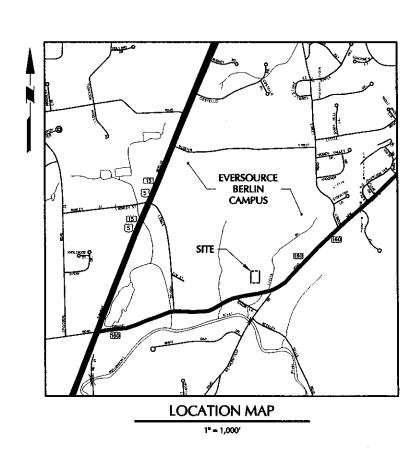
Economic Development Director

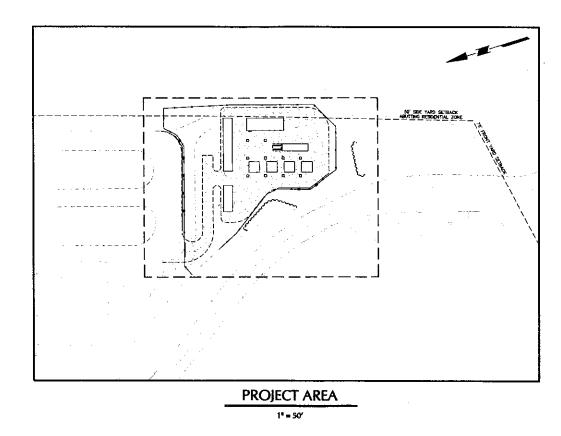
Visit our Web Site <a href="http://www.town.berlin.ct.us">http://www.town.berlin.ct.us</a>

# **EVERSOURCE TRAINING FACILITY**

# 107 SELDEN STREET BERLIN, CONNECTICUT

## SITE PLAN AMENDMENT APPLICATION





### **DRAWING LIST**

NUMBER	TITLE	DATE	REVISED
-	COVER SHEET	06/03/2021	
VT101	PARTIAL TOPOGRAPHIC SURVEY	09/18/2020	
VT102	PARTIAL TOPOGRAPHIC SURVEY	09/18/2020	
C\$101	SITE PLAN	06/03/2021	
C\$501	SITE DETAILS	06/03/2021	
CG101	GRADING & DRAINAGE PLAN	06/03/2021	
CG501	GRADING & DRAINAGE DETAILS	06/03/2021	
CE101	SOIL EROSION & SEDIMENT CONTROL PLAN	06/03/2021	
CE501	SOIL EROSION & SEDIMENT CONTROL NOTES & DETAILS	06/03/2021	
PA101	PROPOSED TRAINING YARD LAYOUT	06/03/2021	

Town of Berlin Received

JUN 0 3 2021

Planning & Zoning Department Berlin, Connecticut

APPLICANT/ CIVIL & GEOTECHNICAL ENGINEER, SURVEYOR LANGAN CT 555 LONG WHARF DRIVE NEW HAVEN, CT 06511 (203) 562-5771

OWNER EVERSOURCE ENERGY 56 PROSPECT STREET HARTFORD, CT 006103 (800) 286-5000 ARCHITECT
CLOHESSY, HARRIS AND KAISER, LLC
573 HOPMEADOW STREET
SIMSBURY, CT 06070
(860) 651-3777

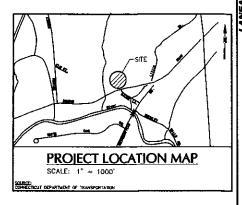
RELEASE DATES		
DATE ISSUED FOR		
06/03/2021	SITE PLAN AMENDMENT	

LANGAN

### NOTES

- 1. THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20—300b—11 THROUGH 20—300b—20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEY/OPS, INC. ON SEPTEMBER 26, 1998. 0. THIS SURVEY IS A TOPOGRAPHIC SURVEY CONFORMING TO A T-2 ACCURACY. THE PURPOSE OF THIS SURVEY IS TO DEPICT SITE FEATURES FOR FUTURE SITE DEVELOPMENT.
- THIS SURVEY IS BASED UPON EXISTING PHYSICAL CONDITIONS FOUND AT THE SUBJECT SITE.
- 3. THE MERIDIAN OF THIS SURVEY IS REFERENCED TO CONNECTICUT STATE PLANE COORDINATE SYSTEM NAD 83 (EPOCH 2011). POSITION WAS DETERMINED BY CLOBAL NAVIGATION SATELLITE SYSTEMS (CASS) AS PROVIDED BY HAGIN SMARTNET CONTINUOUSLY OPERATED REFERENCE STATIONS (CORS).
- 4. ELEVATIONS SHOWN ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) (GEOID 12B) AS DETERMINED BY GNSS
- 5. PLANIMETRIC AND TOPOGRAPHIC INFORMATION SHOWN HEREON HAS BEEN OBTAINED FROM GROUND SURVEYS BY LANGAN CT, INC. FIELD WORK COMPLETED DURING THE MONTH OF SEPTEMBER 2020 & NOVEMBER 2020.
- AS PER THE NATIONAL FLOOD INSURANCE PROGRAM FIRM MAP ENTITLED THARTFORD COUNTY, CONNECTICUT PANEL 513 OF 675, MAP NUMBER 09003C513, EFFECTIVE DATE SEPTEMBER 26, 2008" THE PROJECT AREA IS IN ZONE X (UNSHADED).
- 7. UNLESS SPECIFICALLY NOTED HEREON, STORM AND SANITARY SEWER INFORMATION (INCLUDING PIPE INVERT, PIPE MATERIAL, AND PIPE SIZE) WAS OBSERVED AND MEASURED AT FIELD LOCATED STRUCTURES (MANHOLES/CATCH BASINS, ETC.). CONDITIONS CAN VARY FROM THOSE ENCOUNTERED AT THE TIMES WHEN AND LOCATIONS WHERE DATA IS OBTAINED. DESPITE MEETING THE REQUIRED STANDARD OF CARE, THE SURVEYOR CANNOT, AND DOES NOT WARRANT THAT PIPE MATERIAL AND/OR PIPE SIZE THROUGHOUT THE PIPE RUN ARE THE SAME AS THOSE OBSERVED AT EACH STRUCTURE, OR THAT THE PIPE RUN IS STRAIGHT BETWEEN THE LOCATED STRUCTURES.
- 8. ADDITIONAL UTILITY (WATER, GAS, ELECTRIC ETC.) DATA MAY BE SHOWN FROM FIELD LOCATED SURFACE MARKINGS (BY OTHERS), EXISTING STRUCTURES, AND/OR FROM EXISTING DRAWINGS.
- 9. UNLESS SPECIFICALLY NOTED HEREON, THE SURVEYOR HAS NOT EXCAVATED TO PHYSICALLY LOCATE THE UNDERGROUND UTILITIES. THE SURVEYOR MAKES NO GUARANTEES THAT THE SHOWN UNDERGROUND UTILITIES ARE EITHER IN SERVICE, ABANDONED OR SUITABLE FOR USE, NOR ARE IN THE EXACT LOCATION OR CONFIGURATION INDICATED HEREON.
- 10. ALL BUILDINGS AND STRUCTURES WERE LOCATED AND MEASURED AT GROUND LEVEL. THE SURVEYOR MAKES NO DETERMINATIONS OR GUARANTEES AS TO THE ABSENCE, EXISTENCE OR LOCATION OF UNDERGOUND STRUCTURES, FOODINGAN, FOOTINGS, PROJECTIONS, WALLS, TANKS, SEPTIC SYSTEMS, ETC. NO TEST PITS, EXCAVATIONS OR GROUND PENETRATING RADAR WERE PERFORMED AS PART OF THIS SURVEY.
- 11. PRIOR TO ANY DESIGN OR CONSTRUCTION, THE PROPER UTILITY AGENCIES MUST BE CONTACTED FOR VERIFICATION OF UTILITY TYPE AND FOR FIELD LOCATIONS.
- 12. THIS SURVEY IS NOT VALID WITHOUT THE EMBOSSED OR INKED SEAL OF THE PROFESSIONAL

<b>LEGEND</b>	(NOT SH	OWN TO SCALE)		 
+		MONITORING WELL	₽C	 BITUMINOUS CURB
-		SIGN	SWS	 SINGLE WHITE STRIPE
_0		SHRUB	BWS	 BROKEN WHITE STRIPE
€3 *		TREE	SYS	 SINGLE YELLOW STRIPE
~==		CATCH BASIN	DYS	 DOUBLE YELLOW STRIPE
Œ		ELECTRIC BOX	<u> </u>	 WOOD GUARD RAIL
Б		GAS VALVE		 STOCKADE FENCE
Ø		MANHOLE (TYPE AS LABELED)	-××-	 CHAINLINK FENCE
a		POWER POLE		 TREE LINE
		TRAFFIC SIGNAL POLE	~_	 OVERHEAD WIRE
× 262.3	—	SPOT ELEVATION	<del></del>	 EASEMENT LINE
BIT		BITUMINOUS		 PROPERTY LINE
CONC		CONCRETE	<del></del>	 RIGHT-OF-WAY LINE
CP		CONCRETE PAD	322	 CONTOUR LINE







REVISIONS		
	BELIEF, THIS A AS NOTED HE	
IVES DFESSIONAL LA CT STATE LIC.	ND SURVEYOR	SIGNE

Description

LANGAN

Langen CT, Inc. 555 Long Wharf Drive New Haven, CT 06511

T: 203.562.5771 F: 203.789.8142 www.langan.com

Project

EVERSOURCE TRAINING CENTER

RLIN awina Title

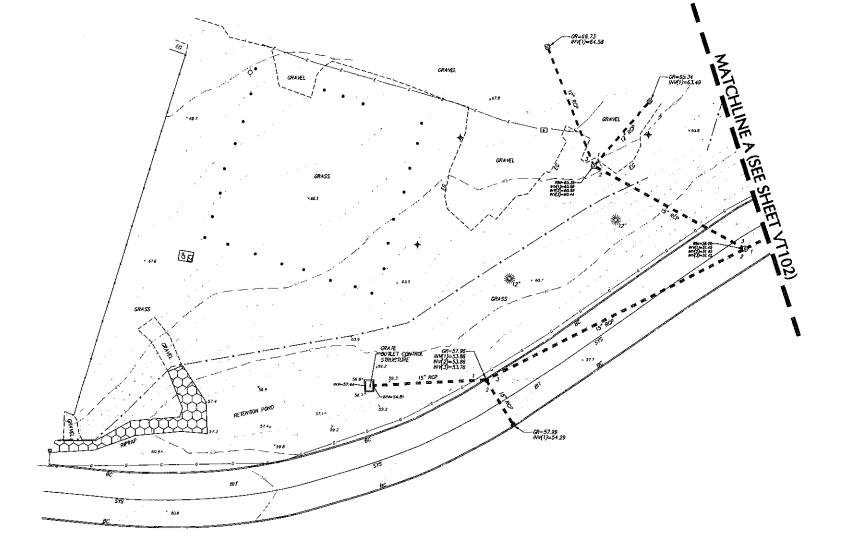
> PARTIAL TOPOGRAPHIC SURVEY

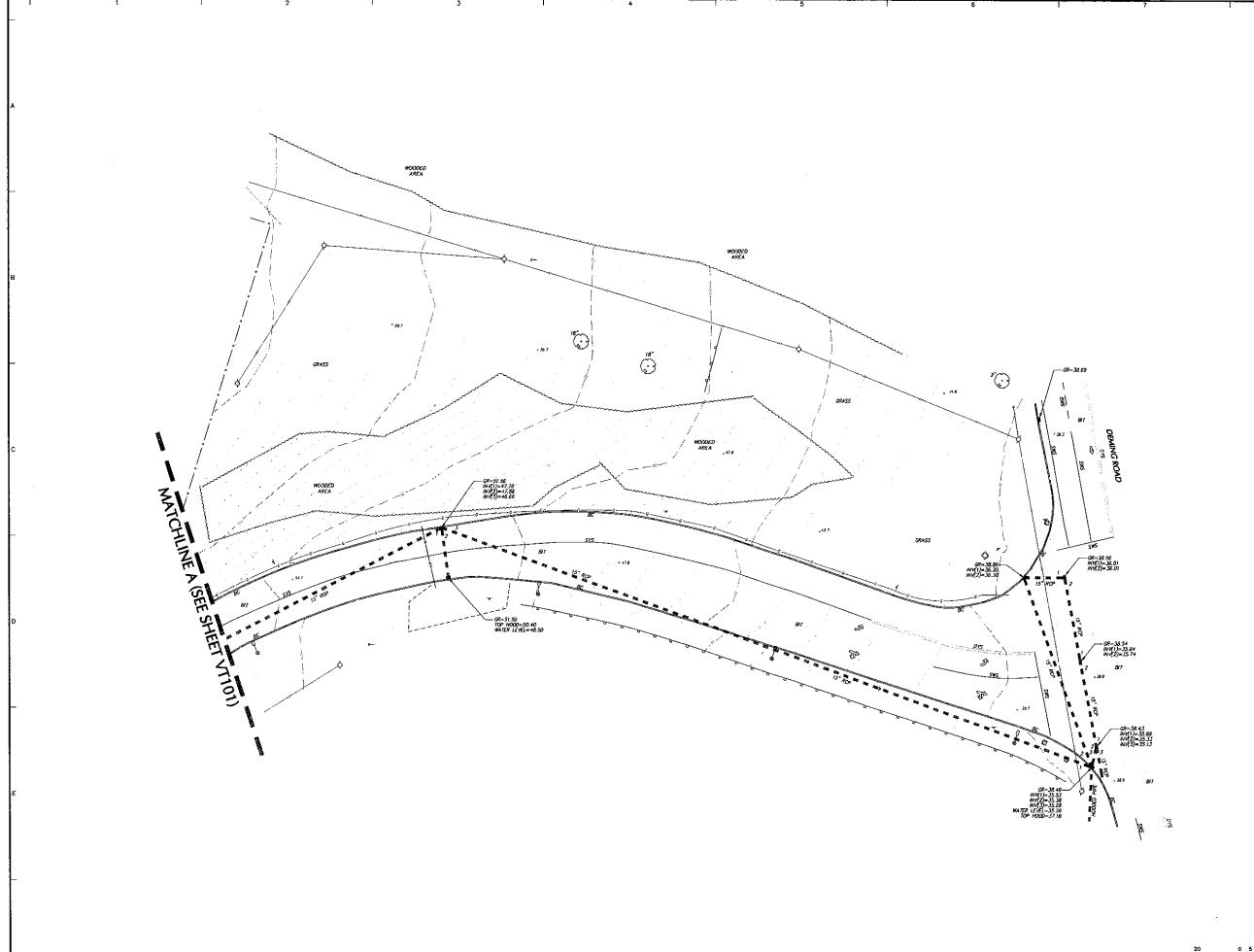
Project No. 140225201

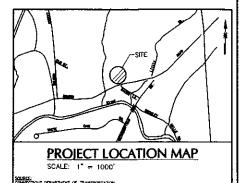
vT101

SG Checked By

0 0 5 10 20 SCALE: 1 INCH = 20 FEET









Dote Description No.

REVISIONS

"TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON."

ANDREW G. IVES DATE SIGNED PROFESSIONAL LAND SURVEYOR CT STATE LIC. NO. 70286

## LANGAN

Langez: CT, Inc. 555 Long Wharf Drive New Haven, CT 06511

1: 203.302.3771 F; 203.789.0142 www.saingain.

Project

### EVERSOURCE TRAINING CENTER

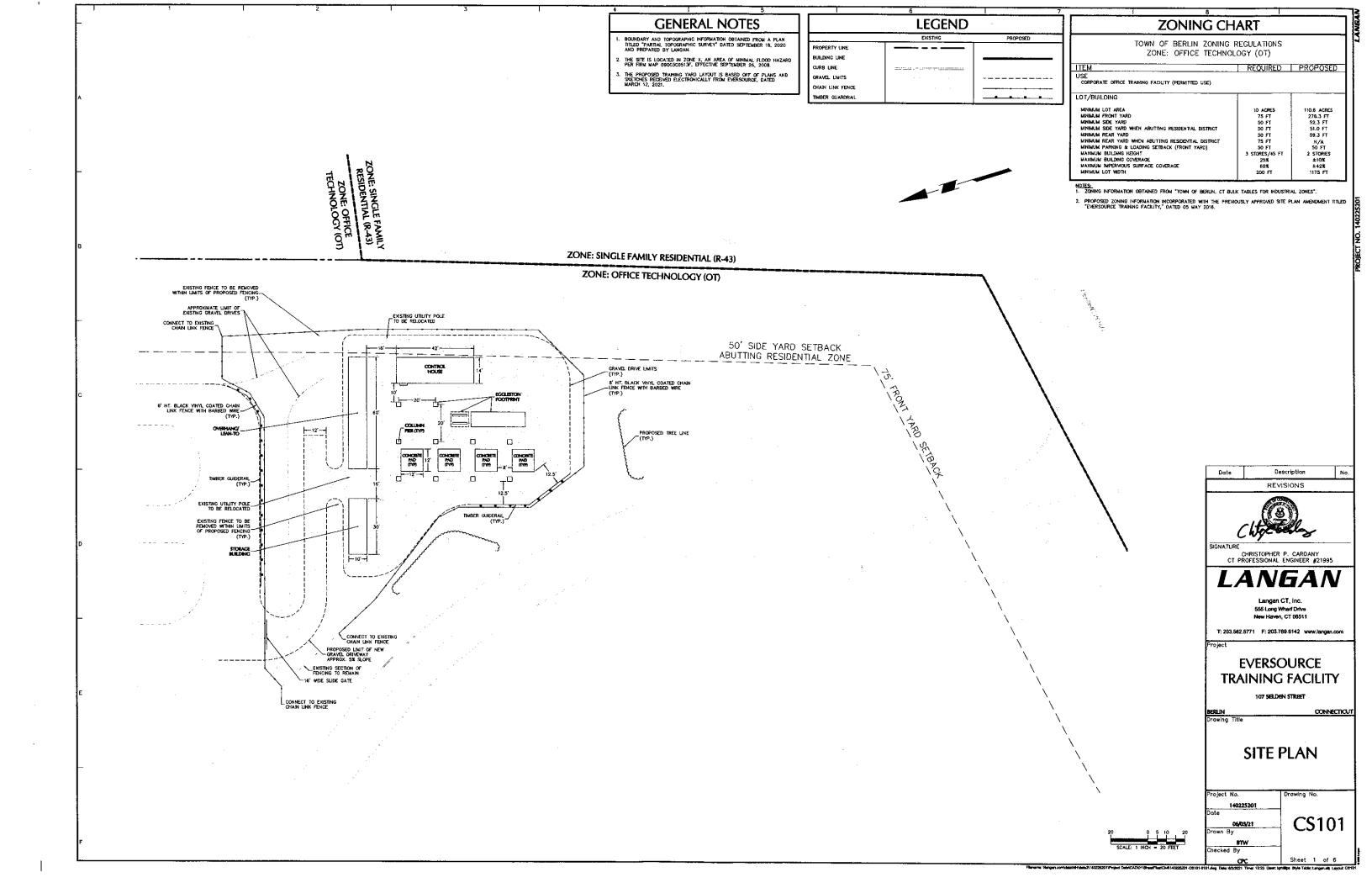
PARTIAL TOPOGRAPHIC SURVEY

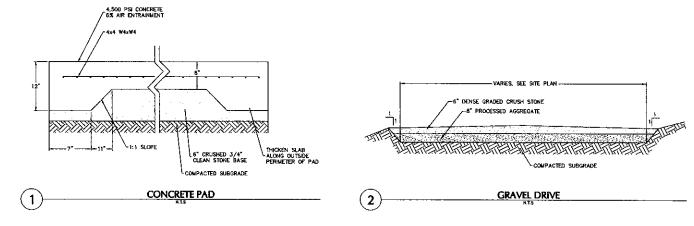
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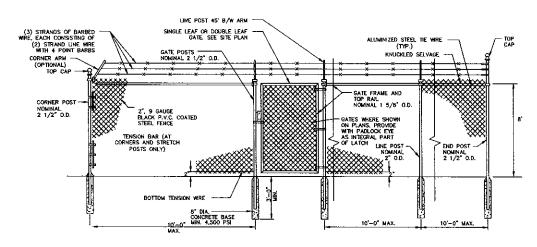
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Date
SEPTEMBER 18, 2020

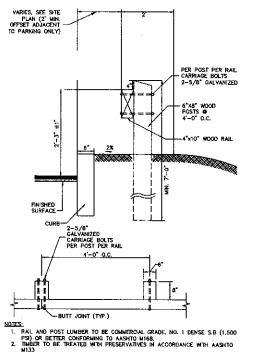
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SG



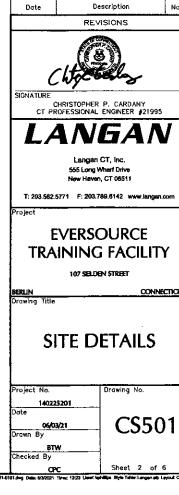




8' HT. BLACK VINYL COATED CHAIN LINK FENCE WITH BARBED WIRE 4



TIMBER GUIDERAIL





1.5%

CONCRETE PAD (TYP)

### **GENERAL NOTES**

- THE SITE IS LOCATED IN ZONE X, AN AREA OF MINIMAL FLOOD HAZARD PER FIRM MAP 0900300513F, EFFECTIVE SEPTEMBER 25, 2008.

### **GRADING & DRAINAGE NOTES**

- LOCATIONS AND ELEVATIONS OF ROOF LEADERS SHOULD BE COORDINATED WITH ARCHITECTURAL AND MEP DRAWINGS PRIOR TO CONSTRUCTION.
- CLEANOUTS SHALL BE PROVIDED FLUSH TO GRADE AT ALL LOCATIONS OF ROOF DRAIN INTERSECTIONS, BENDS AND UPSTREAM ENDS.
- ALL EXISTING STORM DRAINAGE PIPING AND STRUCTURES LOCATED WITHIN THE PROJECT SITE SHALL BE MAINTAINED UNLESS OTHERWISE NOTED.
- SITE CONTRACTOR TO INSTALL SILT SACK/INLET PROTECTION ON ALL EXISTING AND PROPOSED INLETS BEFORE COMMENCING CONSTRUCTION

- EXISTING STORMWATER DRAINAGE STRUCTURES AND PIPES ARE TO REMAIN UNTIL THE PROPOSED SYSTEM IS INSTALLED AND OPERATIONAL IN ACCORDANCE WITH NOTE 10.

LEGEND		
	EXISTING	PROPOSED
PROPERTY LINE		
BUILDING UNE	<u> </u>	
MINOR CONTOUR	149	149
MAJOR CONTOUR	150	
SPOT GRADE	1160 1	×[150.1]
STORM LINE	188 Ref 1988 1988 198	
CATCH BASIN	ib TE	<b>*</b>
YARD DRAIN		
STORN MANHOLE	<b>®</b>	•

Description REVISIONS



CHRISTOPHER P. CARDANY CT PROFESSIONAL ENGINEER #21995

## LANGAN

Langan CT, Inc. 555 Long Wherf Drive New Haven, CT 06511

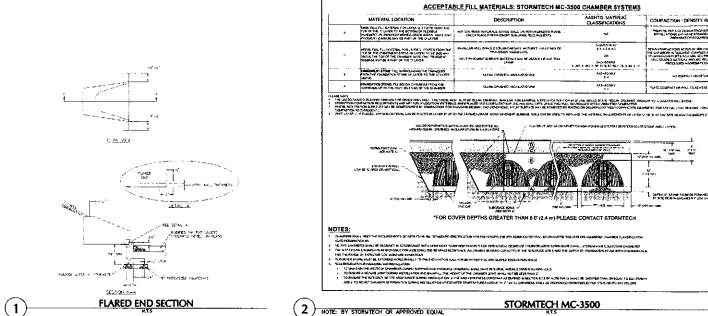
T: 203.562.5771 F: 203.789.8142 www.langan.com

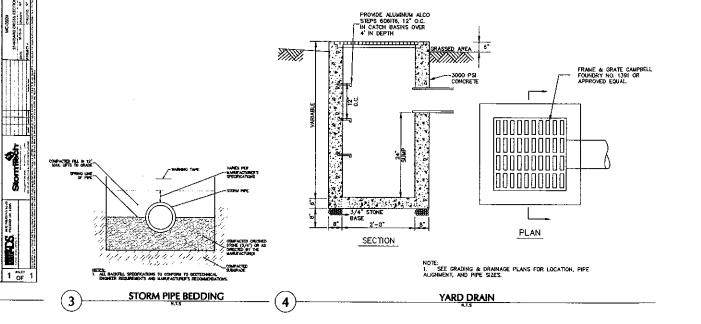
### **EVERSOURCE** TRAINING FACILITY

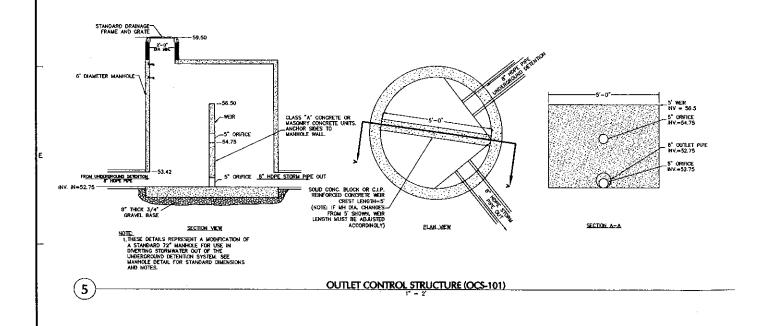
107 SELDEN STREET

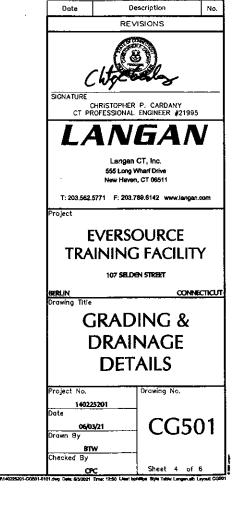
**GRADING & DRAINAGE PLAN** 

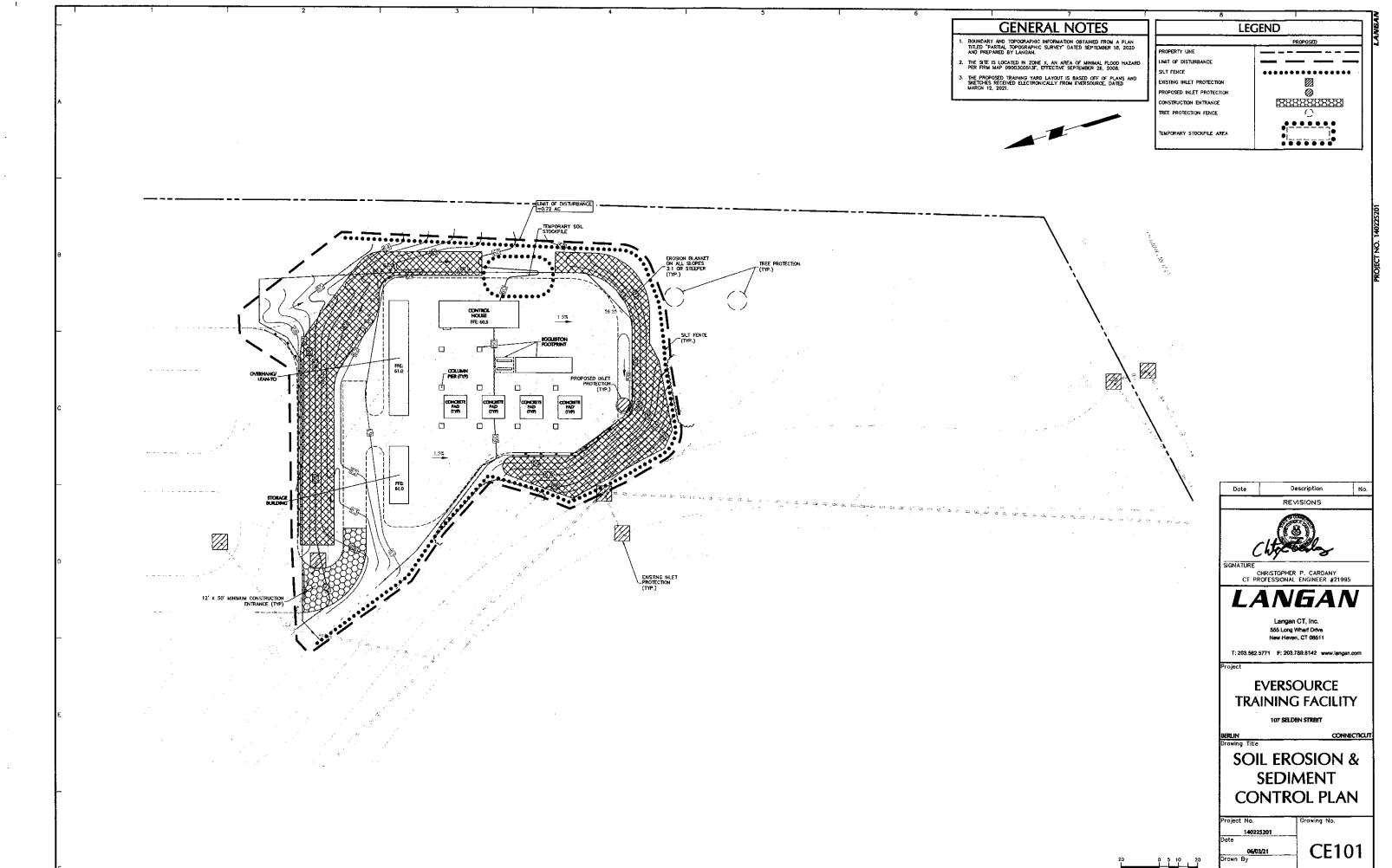
**CG101** 











### SOIL EROSION-SEDIMENT CONTROL NOTES

#### PROPOSED DEVELOPMENT

- CONSTRUCTION WILL INCLUDE EARTHWORK, CURBING, PAWING, UTILITY INSTALLATION, LANDSCAPING AND BUILDING CONSTRUCTION. ALL DEMOLIDON DEERIS AND SOL REMOVED, RELATED TO CONSTRUCTION STALL BE REMOVED AND DEPOSED OF IN ACCORDANCE WITH APPLICABLE STATE AND LOCAL LAWS COVERNING SUCH ACTIVITIES.
- 1. THE DETAILED EROSION AND SEDIMENT CONTROL MEASURES ARE DESIGNED TO PREVENT THE MIGRATION OF SOIL SEDIMENT FROM THE SITE.

#### OIL EROSION AND SEDIMENT CONTROL NOTES

- THE SOIL AND SEDIMENT CONTROL PRACTICES MUST BE INSTALLED IN ACCORDANCE WITH THE LOCAL COVERNING AUTHORITY AND THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION AND THE 2002 CONNECTICUT CUIDELINES FOR SOIL ENGISION AND SEDIMENT CONTROL.
- EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSTALLED PRIOR TO START OF DEMOLITION AND CONSTRUCTION AND DISTURBANCE OF SITE CONTRIBUTIONS OF THE OWNER OR ITS CONTRACTOR SHALL INSPECT, REPAIR AND READINGS ALL SEDMENT AND EROSION CONTROL DEVICES, ACCURATED TO THE STRUCTED, AND COMPLETED IN SUCH A MANNER OF INAT THE EPPOSED AREA OF ANY DISTURBED LAND SHALL BE LIMITED TO THE SHORTEST POSSIBLE PERIOD OF TIME.
- DISPOSAL OF COLLECTED SEDIMENT SHALL BE MADE TO AREA DESIGNATED BY THE OWNER'S SOIL ENGINEER.
- FILTER FABRIC/SILT FERCE WILL BE INSTALLED ALONG THE TOE OF ALL CRITICAL CUT AND FILL SLOPES.
- ALL AREAS WITHIN 500 FEET OF AN INHABITED DWELLING SHALL BE WETTED AS NECESSARY TO PROVIDE DUST CONTROL
- . PAVEMENT BASE COURSE MUST BE PLACED IN ALL NEW ROADWAY AREAS UPON COMPLETION OF FINE GRADING.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL PAYED ROADWAYS, ON AND OFF-STE, WHICH MUST BE KEPT FREE OF SITE OEDIFATIES SEDIMENT AT ALL DIAES. OUST SHALL BE CONTROLLED BY SPRINKLING OR OTHER APPROVED METHOD.
- . ALL SYORM DRAINAGE OUTLETS MUST BE STABILIZED, AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.
- SILT FENCES AND BARRIERS MUST BE CLEANED OR REPLACED PERIODICALLY TO REMOVE BUILT-UP SILT.
- 11. SEDIMENT TRAPS MUST BE CLEANED WHEN CAPACITY HAS BEEN REDUCED BY AN AVERAGE OF 2"-0" OVER ITS TOTAL AREA OR TO 70% OF ITS DESIGN VOLUMES, WHICHEVER OCCURS FIRST.
- ALL EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSPECTED ON A DAILY BASIS AND CLEANED IMMEDIATELY AFTER EACH STORM.
- 13. ANY TEMPORARY OR PERMANENT FACILITY DESIGNED FOR THE CONVEYANCE OF WATER AROUND, THROUGH, OR FROM THE EARTH CHANGE AREA SHALL BE DESIGNED TO LIMIT THE WATER FLOW TO A NON-EROSIVE VELOCITY.
- 14. THE CONTRACTOR SHALL CORRECT ANY OMISSIONS, ERRORS, OR FIELD OPERATIONS IMMEDIATELY AND IN ACCORDANCE WITH THE GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.
- 15. ANY CONVEYANCE OF THIS PROJECT PRIOR TO ITS COMPLETION WILL TRANSFER FULL RESPONSIBILITY FOR COMPLIANCE WITH THE CERTIFIED PLAN TO ANY SUBSCOURT OWNERS.
- 16. SOIL EROSION AND SEDIMENT CONTROLS MUST BE INSPECTED BY THE YOWN BEFORE WORK MAY COMMENCE.

THE PROPERTY OWNER AND/OR HIS/HER AGENTS MUST MAINTAIN (REPAIR/REPLACE), WHEN NECESSARY, THE SILTATION CONTROL UNTIL ALL DEVELOPMENT ACTIVITY SCOMPLETED AND ALL DISTURBED AREAS ARE PERMANDRILY STABILIZED.

#### TEMPORARY STABILIZATION

SEDIMENT DISPOSAL AREAS AND TOPSOIL STOCKPILES NOT SCHEDULED FOR CONSTRUCTION ACTIVITIES WITHIN THIRTY (30) DAYS OF DISTURBANCE SHALL BE STABILIZED AS FOLLOWS:

- A. SOIL AMENDMENTS AS NECESSARY.
- ANNUAL RYE GRASS SEEDING APPLIED AT A RATE OF NOT LESS THAN 1
   LB. PER 1.000 SF.

#### PERMANENT STABILIZATION

REFER TO LANDSCAPE PLANS FOR PERMANENT STABILIZATION METHODS + PROPOSED SEED MIXES.

- PERMANENT VEGETATION IS TO BE SEEDED OR SODOED ON ALL DISTURBED LAND AREAS WITHIN SEVEN (7) DAYS AFTER FINAL GRANDS, MULCH AS NECESSARY FOR SEED PROTECTION AND ESTABLISHMENT. AMEDISON, AS NECESSARY FOR SEED PROTECTION AND ESTABLISHMENT IN PROSSIBLE TO PERMANENTLY STABLIZE A DISTURBED AREA AFTER COMPLETION OF AN EARTH CHANGE OF MEHEL SIGNIFICANT EARTH CHANGE CONTITY CEASES, TEMPORARY SOL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED. ALL INSTRUBED AREAS, STOCKHILES SHALL BE MANTANED UNTIL PERMANENT SOLE BROSION CONTROL MEASURES SHALL BE MANTANED UNTIL PERMANENT SOLE BROSION CONTROL MEASURES SHALL BE MANTANED UNTIL PERMANENT SOLE BROSION CONTROL MEASURES SHALL BE MANTANED UNTIL PERMANENT SOLE BROSION CONTROL MEASURES SHALL BE MANTANED UNTIL PERMANENT SOLE BROSION CONTROL MEASURES SHALL BE MANTANED MALES ALL DISTURBED MEAS. STOCKHILES OF FILL OR EXCAVATED MATERIAL SHALL BE STABLIZED A MANDERN AS NOT TO CAUSE UNREASONABLE HAZARD TO PERSONS OR PROPERTY.
- B. MATERIALS SPECIFICATION: LAWN + MEADOW AREAS
  - ANY SOIL HAVING A pH OF FOUR OR LESS CONTAINING IRON SULFIDES SHALL BE COVERED WITH A MINIMUM OF THELVE INCHES OF SOIL HAVING A pH OF FIVE OR MORE PRIOR TO SEED BED PREPARATION.

DESTING TREE TO BE

TREE PROTECTION FENCE

"SILTSACK"

DISTRIBUTOR:

800-644-9223

ACS ENVIRONMENTAL

SECURE "SILTSACK" FILTER

- C. MULCHING SHALL BE DONE AT THE RATE OF SEVENTY TO MINETY POUNDS (70-90 LBS) PER 1,000 SQUARE FEET WITH UNROTTED SALT HAY.
- LIQUID MULCH BINDERS MUST BE USED TO ANCHOR SALT HAY, HAY OR STRAY MULCHES.
- (II) USE ONE OF THE FOLLOWING: SYNTHETIC OR ORGANIC BINDERS, BINDERS SLICK AS CURASOL DCA-70, PETRO SET, TERRA YACH, HYDRO MULCH AND AEROSPRAY UAN FE USED AT PATES RECOMMENDED BY THE MANUFACTURER OF ANCHOR MULCH MATERIALS. BINDERS CONTAINING PETROLEUM PRODUCTS SHALL NOT BE USED.
- NOTE: ALL NAMES GIVEN ABOVE ARE REGISTERED TRADE NAMES. THIS DOES NOT CONSTITUTE A RECOMMENDATION OF THESE TO THE EXCLUSION OF OTHER PRODUCTS.
- FILL MATERIAL SHALL BE FREE FROM DEBRIS, PERISHABLE OR COMBUSTIBLE MATERIAL AND FROZEN OR WET EARTH OR STONES LARGER THAN THREE INCHES IN MAXIMUM DIMENSION.
- CONSTRUCTION AREAS SHALL BE PERIODICALLY SPRAYED WITH WATER UNTIL THE SURFACE IS WET TO CONTROL THE GENERATION OF DUST.

- ALL REVISIONS AFTER APPROVAL HAS BEEN GRANTED SHALL BE FORWARDED TO THE APPROPRIATE DISTRICT FOR REVIEW.
- G. THE LOCAL GOVERNING AUTHORITY SHALL RECEIVE WRITTEN NOTIFICATION SEVENTY TWO HOURS BEFORE THE START OF ANY CONSTRUCTION.
- H. SEEDBED PREPARATION:
- (i) TOPSOIL SHOULD BE A MINIMUM OF SIX INCHES DEEP (LIGHTLY COMPACTED) BEFORE SEEDING.
- (8) TOPSOIL SHALL BE TESTED PER LANDSCAPE PLAN PRIOR TO SEEDING.
- (ii) WORK SOIL AMENDMENTS INTO SOIL AS NECESSARY AS NEARLY AS PRACTICAL TO A DEPTH OF FOUR INCHES WITH A DISC, SPRINGTOOTH HARROW OR OTHER SUTTABLE EQUIPMENT. THE FINAL HARROWING OR DISCOND OPERATION SHOULD BE ON THE CENERAL CONTOUR. CONTINUE ALL CLAY OR SILTY SOIL AND COARSE SANDS SHOULD BE ROLLED TO FIRM THE SEED BED WHEREVER FEASIBLE.
- (iv) REMOVE FROM THE SURFACE ALL STONES ONE INCH OR LARGER IN ANY DIMENSION. REMOVE ALL OTHER DEBRIS, SUCH AS WIRE, CABLE, TREE ROOTS, PIECES OF CONCRETE, CLODS, LUMPS, OR OTHER UNSUITABLE MATERIAL.
- (v) INSPECT SEED BED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT SOIL COMPACT, THE AREA MUST BE RETILLED AND FIRMED AS ABOVE.

### IGENCY SOIL EROSION AND SEDIMENT CONTROL NARRATIVE

- THE GENERAL CONTRACTOR WILL DESIGNATE PERSONNEL FOR 24 HOUR EMERGENCY RESPONSE IN THE EVENT OF SEVERE WEATHER AND INCREASED POTENTIAL FOR SEVERE EROSION.
- 20. THE GENERAL CONTRACTOR IS REQUIRED TO MAINTAIN ON SITE OR HAVE THE ABILITY TO RETRIEVE WITHIN 12 HOURS THE FOLLOWING MATERIALS IN THE EVENT THAT THERE ARE DEFICIENCES IN THE SESS MEASURED.
- A. 25% OF THE INSTALLED LENGTH OF SILT FENCE EQUIVALENT TONNAGE OF STONE FOR STABILIZATION OF 2 STABILIZATION ENTRANCES, STONE COULD BE USED FOR SLOPE REPAIRS, ENERGY DISSIPATER ENHANCEMENTS, ETC.
- C. HEAVY EQUIPMENT CAPABLE OF TRENCHING/EXCAVATING LARGE AREAS TO DIVERT AND CONTROL RUNOFF IN A CONTROLLED MANNER.
- . HAVE DESIGNATED A HYDRO-SEED CONTRACTOR CAPABLE OF RESPONDING TO THE SITE WITHIN 12 HOURS
- ANY STUMP GRINDINGS OR WOOD CHIPS GENERATED ON-SITE SHOULD BE RETAINED FOR USE TO BACK UP SILT FENCES. NFILTRATION BASIN NOTES
- 22. CONSTRUCTION OF THE BASINS SHOULD TAKE PLACE AT OR NEAR THE END OF THE DEVELOPMENT CONSTRUCTION.
- 23. PRIOR TO SITE GRADING, THE AREA OF THE INFILTRATION PRACTICES SHOULD BE ROPED OFF AND FLAGGED TO PREVENT SOIL COMPACTION BY HEAVY FOUNDAMENT.

TREE PROTECTION NOTES:

ALL DISTRICT THEIRS WHITE HAT LESS OF THEE PROTECTION PENCHON SOULS AS PROTECTION PENCHON SOULS AS THE PROTECTION OF THE

. ALL TEMPORABLY EXPOSED THEE POOTS SHALL BE COMPRED WITH 2 HONES OF SHALDOED HARDWOOD HALDWAND THOROUGHLY REPEATED ON A DALY BASIS AS DRECTED BY THE PROJECT LANDSCAPE AROUNTEST.

7. ALL WORK TO BE PERFURBED UNDER THE DIRECT SUPERVISION OF STREET THE OWNER'S REPRESENTATIVE OF THE PROJECT LANGUAGE ADVANCED.



BIONET SC150BN DOUBLE NET STRAW BLANKET - BIODEGRADABLE (OR APPROVED EQUAL) SLOPE INSTALLATION

NORTH AMERICAN GREEN EPCOIGH CONTROL Products
Guaranteed COLUTIONS

14649 HIGHWAY 41 NORTH EVANSVILLE, IN 47725 800-772-2040 www.nagreen.com

(1)

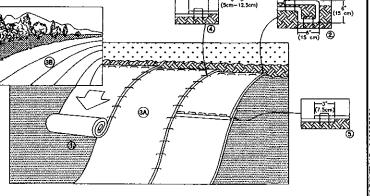
PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP's), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED,
NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOW

NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DO.

BEGIN AT THE TOP OF THE SLOPE BY MAKHORING THE RECY is IN A BY (15 CM) DETEN AS "(15 CM) DETEN TERMINE. MICHORITHE RECY is INTAL ARPHOVISIATELY 12" (30 CM) APART IN THE BOTTON OF THE TERMINE. MICHORITHE RECY IN THE A ROW OF STAPLES/STAKES PAPEROUNAITELY 12" (30 CM) APART IN THE BOTTON OF THE TRENCH. MICHORITHE PROPRIED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF RECY" IS MAKE OVER SEED AND COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF RECY" IN ARTHOUGH SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROVIMATELY 12" (30 CM) APART ACROSS THE WIDTH OF THE RECY" IN A ROW OF STAPLES/STAKES SPACED APPROVIMATELY 12" (30 CM) APART ACROSS THE WIDTH OF THE RECY" IN A ROW OF STAPLES/STAKES SPACED APPROVIMATELY 12" (30 CM) APART ACROSS THE WIDTH OF THE RECY" IN A ROW OF STAPLES/STAKES SPACED APPROVIMATELY 12" (30 CM) APART ACROSS THE WIDTH OF THE RECY" IN A ROW OF STAPLES/STAKES SPACED APPROVIMATELY 12" (30 CM) APART ACROSS THE WIDTH OF THE RECY" IN APPROPRIATE SIDE ACAINST THE SOR SURFACE BY PACING STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.

THE EDGES OF PARALLEL RECP's MUST BE STAPLED WITH APPROXIMATELY  $2^{\circ} - 5^{\circ}$  (5 CM - 12.5 CM) OVERLAP DEPENDING ON RECP's TYPE. . CONSECUTING RECP's SPLICED DOWN THE SLOPE MUST BE PLACED END (MER END (SHINGLE STMLE) WITH AN APPROXIMATE 3° (7.5 CM) OMERUP. STAPLE THROUGH OMERLAPPED AREA APPROXIMATELY 12° (30 CM) APART ACROSS ENTIRE RECP's WIGHT.

NOTE: CONTRACTOR TO PROVIDE EROSION CONTROL BLANKET ON ALL SLOPES 3:1 OR STEEPER.



SLOPE STABILIZATION (SLOPES >3H:1V)

STOCKPILE EXISTING GRADE **PROFILE** 

<u>PLAN</u> TEMPORARY STOCKPILE

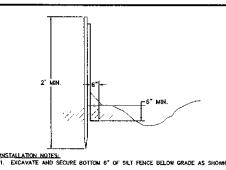
FILTER FABRIC MIRAFI 600X

CONSTRUCTION PAD LOCATION TO BE SET BY CONTRACTOR AND LOCATED
AS REQUIRED FOR CONSTRUCTION SEQUENCING

\_12" THICK STONE PAD: DOT NO.3 OR ASTM C~33 NO.3

2. SEE SOIL EROSION & SEDIMENT CONTROL PLAN, CEIDS, FOR DIMENSIONS

CONSTRUCTION ENTRANCE



- EXCEPT FOR THE END POST, DRIVE ALL POSTS INTO THE GROUND AT BACK SIDE OF TRENCH SPACED A MAXIMUM OF 8 FT O. C. SECURE FILTER FABRIC WITH ORAWSTRING TO POST WITH METAL FASTENERS AND REINFORCEMENT BETWEEN FASTENER AND FABRIC.

(FLOW

(3)

4" VERTICAL FACE-STRAWBALES NOT REQUIRED BEHIND CATCH BASINS WITH CURB PIECES.

- FLOW FLOW

TYPE B - CURB INLET

IES: Contractor is 10 clean inlet filter when restraint cord is no Longer visible as per manufacturer's specifications. 2. CONTRACTOR TO REMOVE FILTER JUST PRIOR TO PAYING

INLET PROTECTION

(5)

**CE501** 06/03/21

140225201

Description REVISIONS

CHRISTOPHER P. CARDANY
CT PROFESSIONAL ENGINEER #21995

ANGAN

Langan CT, Inc. 555 Long Wharf Orive New Haven, CT 06511

T: 203 562 5771 F: 203,789,6142 www.langan.c

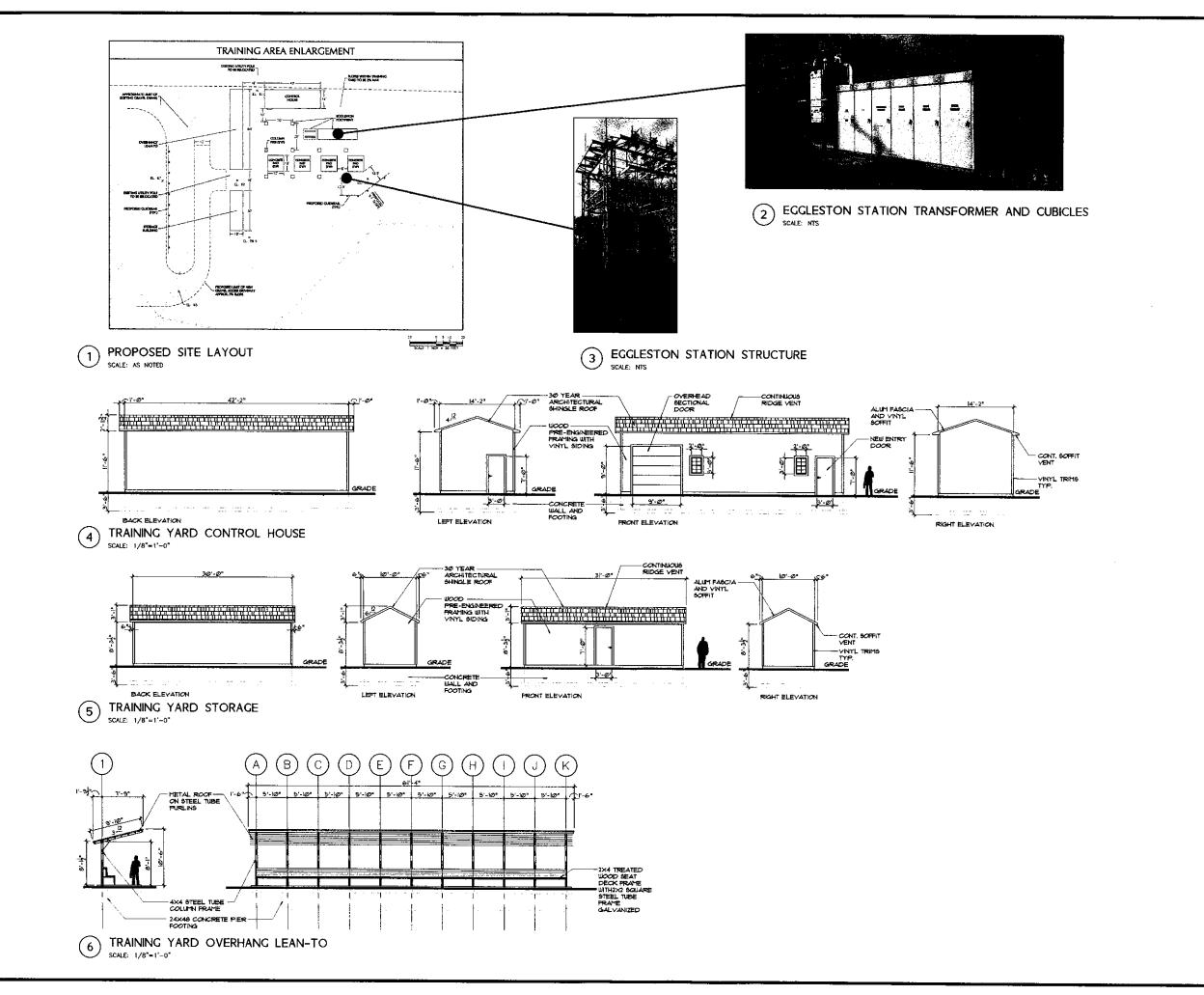
**EVERSOURCE** 

TRAINING FACILITY

107 SELDEN STREFT

"SÖIL EROSION &

**SEDIMENT CONTROL NOTES** & DETAILS



900

CLOHESSY HARRIS & KAISER, LLC

CREYSTONE COURT WEST 573 HOPMEADOW STREET PO BOX 95 SIMSBURY, CT 06070-0095

660-651-3777 Fax 860-651-7316 chk@chkarch.com



S CONNE

Consultants

SITE ENGINEERING LANGAN (203) 562--5771

MEP ENGINEERING OGL CONSULTING ENGINEERS (860) 236-4288

STRUCTURAL ENGINEERING SZEWCZAK ASSOCIATES (860) 677-4570

EVERSOURCE ELECTRICAL TRAINING YARD 107 SELDEN STREET BERLIN, CT

No. Date	Description	
Date		
Date		6/3/2021
Scale		AS NOTED
Project No	ımber	20084
Drawn By		RAM

PROPOSED TRAINING YARD LAYOUT

PA101