



**Connecticut Siting Council
Docket No. 272**

**Development & Management Plan
for the
Middletown-Norwalk
345-kV Transmission Line Project
Beseck Switching Station**

December 2005



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for the
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345-kV Transmission Line Project
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Connecticut Siting Council
Docket No. 272

Submitted By:
The Connecticut Light and Power Company

December 2005

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1.0 INTRODUCTION

The Connecticut Light and Power Company (CL&P) hereby submits this Development and Management (D&M) Plan for the Beseck Switching Station located in the Town of Wallingford, a part of the Middletown-Norwalk Project (the Project), in accordance with the Connecticut Siting Council (Council) Decision and Order for Docket No. 272 of April 7, 2005, and pursuant to Sections 16-50j-60 through 16-50j-62 of the Regulations of Connecticut State Agencies, *Requirements for a right-of-way development and management plan*. The Project consists of approximately 69 miles of 345-kV transmission line from CL&P's existing Scovill Rock Switching Station (located in the City of Middletown in Middlesex County), through New Haven County to CL&P's existing Norwalk Substation (located in the City of Norwalk in Fairfield County). The Project will include approximately 45 miles of overhead transmission line construction and 24 miles of underground transmission line construction. The overhead portion of the Project will extend from the Scovill Rock Switching Station to the East Devon Substation in the City of Milford. The underground portion will extend from the East Devon Substation to the Norwalk Substation in Norwalk. In addition to Beseck Switching Station, the Project will include the construction of two new electric substations (East Devon in the City of Milford and Singer in the City of Bridgeport), as well as modifications to the existing Norwalk Substation and Scovill Rock Switching Station. CL&P will own all overhead portions of the Project, as well as that portion from East Devon Substation to the first splice-vault west of the Housatonic River. CL&P ownership continues from the Singer Substation to the Norwalk Substation. The United Illuminating Company (UI) will build and own the Singer Substation and from the Singer Substation to the first splice-vault, inclusive of the splice-vault, west of the Housatonic River, a distance of approximately 5.75 miles.

CL&P plans to submit twelve D&M plans for its portion of the Project. The D&M plans will be developed based on the type of construction and geographic location along the route, as follows:

Switching Stations and Substations (4 D&M plans)

- Scovill Rock (Middletown) – Approved by the Council on August 25, 2005
- Beseck (Wallingford)
- East Devon (Milford)
- Norwalk (Norwalk)

Overhead Lines (4 D&M plans)

- Segment 1a: Scovill Rock Switching Station to Chestnut Junction, Oxbow Junction to Beseck Switching Station (with the exception of the Royal Oak Bypass), and Black Pond Junction to Beseck Switching Station
(Middletown, Haddam, Durham, Middlefield, Meriden, Wallingford)
- Segment 1b: Royal Oak Bypass
(Middlefield, Middletown)
- Segment 2a: Beseck Switching Station to Cheshire/Hamden Town line
(Wallingford, Cheshire)
- Segment 2b: from Cheshire/Hamden Town line to East Devon Substation
(Hamden, Bethany, Woodbridge, West Haven, Orange, Milford)

Underground Lines (3 D&M plans)

- Segment 3: East Devon Substation to UI ownership point in Stratford
(Milford, Stratford)
- Segment 4a: Singer Substation to Fairfield/Westport Town line
(Bridgeport, Fairfield)

- Segment 4b: Fairfield/Westport Town line to Norwalk Substation
(Westport, Norwalk)

Underground Watercourse and Railroad Crossings (1 D&M plan)
(Milford, Stratford, Bridgeport, Fairfield, Westport, Norwalk)

1.1 PROJECT DESCRIPTION

This D&M Plan covers the work associated with the construction of the new Beseck 345-kV Switching Station. Exhibit 3 of Appendix A depicts the general layout of the Beseck Switching Station and the terminus of four (4) 345-kV transmission lines. Equipment to be installed includes four line terminal structures, seven 345-kV circuit breakers, twenty 345-kV switches, buses, bus supports, an emergency generator for station service power and area lighting. An equipment enclosure will be constructed for protective relay, control and communications equipment. Foundations will be installed for all equipment. Chain link fencing will be installed around the perimeter of the site. A ground grid will be installed below the finished grade. The site will be surfaced with trap rock. Also shown in Exhibit 4 of Appendix A are proposed permanent access roads, retaining walls and drainage structures for the work.

The estimated total height of the line termination structures is 113 feet, 103 feet for the structure plus a 10-foot lightning mast. These will be the tallest structures at the Switching Station. The height of the bus work will be approximately 25 feet for the low buses and 41 feet for the high buses. The high buses are the main buses, a typical design for a breaker-and-a-half switching station. Overall dimensions of the fenced area will be approximately 460 feet by 510 feet.

The site is currently populated by trees and undergrowth that will be cleared and hauled away during construction. Site blasting and fill will be required to achieve final grade. The blasting procedures (Section 3.2.9) and grading plan (Exhibit 4, Appendix A) are included as a part of this document. After construction is complete, a landscape buffer will be planted to screen views from off-site. The landscaping plan is included as part of this document in Appendix A, Exhibit 8.

1.2 CONDITIONS

In addition to the *Requirements for a right-of-way development and management plan* found in Sections 16-5-j-60 et seq. of the Regulations of Connecticut State Agencies, the Council stipulated certain requirements for the D&M plans in conditions 14-21 of its Decision and Order. A copy of this portion of the Decision and Order is provided in Appendix B. Those requirements have been incorporated in this D&M Plan either directly or by reference. No permit from the U.S. Army Corps of Engineers is required for the proposed work. The General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities (DEP-PED-GP-015) from the Connecticut Department of Environmental Protection (DEP) will be required for the Project, including the Beseck Switching Station.

1.3 CONSULTATIONS

As part of the preparation of this D&M Plan, CL&P consulted with representatives of the Town of Wallingford on July 19, 2005 to discuss the project components in Wallingford, i.e., overhead transmission line construction and Beseck Switching Station construction. During the meeting, CL&P representatives outlined the D&M Plan process and reviewed the construction activities that would take place at the Beseck Switching Station. CL&P also provided information regarding points of contact at

CL&P for the Project. During this meeting the representatives of Wallingford requested a public meeting to discuss project concerns. This meeting was held on September 15, 2005.

Six Wallingford residents commented about concerns pertaining to the Beseck Switching Station. Their concerns were: noise abatement; screening through landscaping; and damage to water wells. The noise generating equipment is limited to the circuit breakers and an emergency generator. At nearby residences, the noise generated from a circuit breaker operation will be similar to the noise of a car door slamming closed on the street in front of the residence. Typically, each circuit breaker in the Switching Station may operate (open and close) a couple of times per year. The emergency generator will only operate when station power is interrupted due to distribution line outages and for maintenance purposes (which will be approximately 30 minutes per month during daytime hours). This unit will be enclosed in a weatherproof/acoustic enclosure and have a critical grade exhaust silencer. These sound control features will reduce full load sound levels to less than 75 dBA at a distance of 50 feet from any position surrounding the generator. With these controls, generator sound levels at the nearest residences will be less than 50 dBA. The noise produced by equipment at the Beseck Switching Station will be in compliance with applicable State and Local Noise Regulations. Estimated noise levels from the emergency generator will be in compliance with applicable state and local regulations. There is no need for additional noise abatement measures. A landscaping plan found in Exhibit 8 of Appendix A depicts CL&P's proposed mitigation to screen views from offsite. CL&P will repair or replace any wells determined to be damaged as a direct result of construction activity.

A draft of the Beseck D&M Plan was submitted to the chief elected official of Wallingford on November 18, 2005. His subsequent response letter of December 8, 2005 (please refer to Appendix D) noted three concerns. The Mayor requested that CL&P provide as much landscape screening as possible to shield the facility aesthetically. He also expressed concern about impacts to the Zolnik property (104 Carpenter Lane located northwest of the site). Finally, the Town of Wallingford owns and operates a 1,000,000-gallon water tank across the street from the Beseck Switching Station site and is concerned about impacts from blasting. See Appendix D for CL&P's December 16, 2005 correspondence to the Town providing a response to their concerns.

2.0 DRAWINGS AND SITE INFORMATION

The Beseck Switching Station will be a new CL&P 345-kV facility contained inside a fenced area with a surface of trap rock. CL&P performed and reported on extensive research on environmental conditions and cultural resources as part of the Docket No. 272 proceedings before the Council. The following provides descriptive information regarding the existing conditions at the site and the design and construction that will take place at Beseck Switching Station as part of the Project. As described below, this information is also shown on the drawings included in Appendix A.

2.1 KEY MAP

The Beseck Switching Station is located near the intersection of High Hill Road and Carpenter Lane in Wallingford, just west of the municipal boundary with Middlefield. The location is shown on the Key Map (Appendix A, Exhibit 1), as well as on an aerial photograph (Appendix A, Exhibit 2).

2.2 PLAN DRAWINGS

In addition to the key map and aerial photograph, this D&M Plan contains drawings depicting the General Arrangement Plan and Sections (Appendix A, Exhibit 3) and Site Grading Plan (Exhibits 4 and 5). The General Arrangement Plan and Sections provides locations of the components to be installed at the Switching Station. Drainage patterns, with locations for installation of sediment and erosion control materials, are shown on the Sedimentation and Erosion Control Plan (Appendix A, Exhibit 6).

2.3 LAND OWNERSHIP

The entire Station site is owned by Northeast Utilities (NU). One private parcel developed with a house belonging to John and Terry Zolnik (104 Carpenter Lane, Wallingford) is located to the northwest of the Switching Station site. The Zolnik dwelling is approximately 525 feet from the nearest site boundary. The driveway to the Zolnik house is situated along the northwestern portion of the Switching Station site as shown on Exhibits 2, 3 and 4.

Grading for the Beseck Switching Station will impact the Zolnik driveway to the northwest of the site. Following negotiations during which both driveway relocation and purchase of the entire parcel was discussed, CL&P reached an agreement with the Zolniks to purchase the parcel by the end of the year. Transfer of ownership from the Zolniks to CL&P should be completed by the end of the year.

2.4 PUBLIC ROADS AND LANDS

No public lands cross or adjoin the proposed Switching Station property. Carpenter Lane borders the property, approximately 100 feet south of the southern fence line of the Switching Station.

2.5 TOPOGRAPHY AND GRADING

This site is on a slope and will be regraded per the attached site grading drawings provided in Exhibits 4 and 5 of Appendix A.

2.6 STRUCTURE AND FOUNDATION LOCATIONS

The approximate location and type of structures and foundations on the site are shown on the General Arrangement Plan and Sections in Appendix A (Exhibit 3).

2.7 ACCESS POINTS FOR CONSTRUCTION

Access to the site for construction, operation, and maintenance will be from Carpenter Lane via two access roads to be constructed on NU property (Appendix A, Exhibit 4.). An access road for the existing transmission line is located just east of the proposed eastern access road (Appendix A, Exhibit 2). However, the existing access road will not be used for access to the Beseck Switching Station.

No other improvements to roads are necessary.

2.8 VEGETATION AND CLEARING

Vegetation at the Switching Station site is mature upland mixed hardwood forest (see Volume 9 of the Application to the Council, Segment 14) including maples, oaks, hickories and pine.

The clearing process involves:

- field survey to identify the boundaries of the Switching Station and key components requiring construction, such as access roads.
- preparatory clearing operation, starting with opening of access roads followed by clearing of the Switching Station site.

There will be no vegetation inside the fenced area of the Beseck Switching Station or up to 5 feet from the fence line after completion of the clearing process.

2.9 ENVIRONMENTALLY SENSITIVE AREAS

No sensitive areas such as watercourses, wetlands, areas of high erosion potential, or areas where there are federal or state protected species will be affected by the construction at Beseck Switching Station.

2.10 EXISTING UNDERGROUND UTILITIES

No known underground utilities will be crossed during the installation of the new facilities. "Call Before You Dig" will be contacted to confirm the absence of underground utilities prior to construction.

2.11 STAGING AREA AND CONSTRUCTION FACILITIES

The staging area for materials and equipment for the Beseck Switching Station construction will be on the Switching Station site. It will be the responsibility of the Construction Contractor to provide additional staging areas and/or construction facilities, if needed. Any additional staging and/or proposed construction locations will be submitted to the Council using the Change Process described in Appendix C. The Construction Contractor's office trailer will also be at the site. Parking will be along the proposed easternmost access road. Portable sanitary facilities will be used during construction. Temporary overhead phone, power lines and security lighting will be installed within the Switching Station during

construction. Consistent with CL&P transmission system standards, permanent phone lines, power lines for station service and security lighting will be installed as part of the permanent facility.

3.0 CONSTRUCTION INFORMATION

This section contains information concerning construction practices and mitigation measures related to the construction of the Beseck Switching Station.

3.1 TIMBER AND SNAG TREES

To maximize forest resource utilization, CL&P employed a professional forestry consulting firm to inventory trees on the properties affected by the construction and installation of the Project, including the construction of Beseck Switching Station.

3.1.1 Marketable Timber

Trees identified to be removed during construction of the Project fall into three categories of marketability:

- **Non-marketable Timber** – Trees that are generally small, seedling and sapling sized, or larger trees with significant defects.
- **Marginal Value Timber** – Trees that are generally poletimber sized (6-11 inch diameter at breast height (dbh)) or larger trees with some defects. Common uses for these trees include fuelwood, pulpwood, and pallet wood. This category also includes larger sawtimber trees whose economic value has been decreased due to high harvesting costs.
- **Marketable Timber** – Trees that are sawtimber sized (12+ inches dbh), sound and reasonably accessible to harvesting. Uses for these trees include veneer and dimensional lumber products.

Utilization of the harvested trees will fall into one or more of the following categories:

- **Chipped on Site** – These trees are usually non-marketable or marginally marketable. Chips would be blown onto upland portions along the adjacent ROW.
- **Cut, Trimmed and Piled on Site** – The harvested trees are trimmed, piled and available to neighboring landowners for use as fuelwood and other uses. This approach can be used in areas where the transportation of harvested wood has the potential for site impact.
- **Removed from Site** – The harvested trees and chips can be removed from site and be utilized at various mills. Markets, harvesting and transportation costs will determine the viability of this option.

All timber at the Beseck Switching Station site is marketable.

3.1.2 Snag Tree Maintenance

A snag tree is defined as a standing tree in some stage of decay that has one or more biological and structural attributes usable by wildlife. Snag trees can be used for cavity and branch nesting, perches, insect production and cover. There will be no need to manage for snag trees because the entire Switching Station will be developed and covered with trap rock.

3.2 CONSTRUCTION AND REHABILITATION PROCEDURES

Construction procedures for water crossings, sedimentation and erosion control, protected species, hydrologic features and cultural resource properties are described below.

3.2.1 Water Crossing Techniques

No water crossings are associated with the construction of the Beseck Switching Station.

3.2.2 Sedimentation and Erosion Control Procedures

Construction activities will comply with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control. Specific sedimentation and erosion control measures are shown on the Sedimentation and Erosion Control drawing in Appendix A, Exhibit 6. Details for typical sedimentation and erosion control measures are provided in Appendix A, Exhibit 7. Excess spoil material will be removed from the site by the contractor and disposed of in an approved location. Some spoil material may be retained for backfill.

Groundwater encountered during the drilling of foundations for Switching Station equipment will be discharged in accordance with the DEP Stormwater and Dewatering Wastewaters from Construction General Permit.

3.2.3 Precautions for Protected Species

Pursuant to consultation with the DEP Natural Diversity Database, there are no federal or state protected species located near the Beseck Switching Station.

3.2.4 Restoration of Hydrologic Features

Surface drainage will be significantly altered with elevation differences of approximately 50 feet in the northwest corner of the Switching Station. Two detention ponds have been incorporated into the design of the Beseck Switching Station to ensure there is no change in run-off potential from the site. All grading at the Switching Station is designed to utilize the detention basins.

3.2.5 Protection of Cultural Resources

CL&P provided a Cultural Resources Assessment Survey as part of the Application to the Council. The survey found no known cultural resources located in or near the Switching Station site. Further information is needed to complete the cultural resource assessment. In accordance with the Council Decision and Order Item #21, CL&P has retained Raber and Associates to survey the Beseck Switching Station site prior to construction to determine if any cultural resource sites that are eligible for inclusion on the National Register of Historic Places occur. The Phase II survey report is anticipated to be complete for Beseck Switching Station by early of 2006 with concurrence from the State Historic Preservation Officer (SHPO) of no significant adverse impacts to cultural resources.

3.2.6 Herbicide Use

No herbicides will be used for clearing associated with construction. Normal maintenance of the Switching Station yard, however, will include treatment of vegetation with Environmental Protection Agency approved herbicides. Normal maintenance outside the fence will include both mechanical clearing and herbicide treatment. Such vegetation control will be performed on a regularly scheduled basis.

3.2.7 Public Recreation Areas

No public recreation areas are located adjacent to, or near, the Beseck Switching Station.

3.2.8 Disposal and Maintenance Procedures

The Contractor will remove all debris, excess rock and soil and dispose of it in accordance with local, state, and federal regulations. No burning will occur at the Switching Station.

3.2.9 Blasting Procedures

Excavation of the site will include some blasting. All blasting will be performed by licensed blasting contractor(s), pursuant to the regulations of State and Local Fire Marshals. In addition, blasting near CL&P's existing transmission and distribution lines will be performed in accordance with CL&P's guidelines.

Blasting will be conducted in a manner that will maintain safe working conditions and avoid damage to adjacent areas and structures. There are no foundations within 250 feet of the site boundaries, nor are there any potable water wells within 150 feet. Blasting will be conducted by registered blasters and monitored by blasting inspectors. The precautions that will be taken during blasting include:

- Obtaining applicable state and/or local blasting permits;
- Installing blasting mats as required;
- Posting warning signals, signage and barricades;
- Following procedures for safe storage, handling, loading, firing, and disposal of explosive materials; and
- Conducting blasting between 7 am and 7 pm.

Blasting will be performed to meet or exceed all applicable federal, state, and local requirements covering the use of explosives. Excessive vibration will be controlled by limiting the size of charges and by using charge delays, which stagger each charge in a series of blasts.

Pre-blast inspections will be performed at the discretion of CL&P and vibration monitoring will be performed during the blasting procedure.

Post-blast inspections will be performed, as necessary. All damage complaints alleged to be associated with construction activities will be investigated and the owner will be compensated for damages or appropriate repairs will be made if it is determined that the damage was caused as a direct result of the blasting.

The area of potential blasting is shown on the Grading Plan in Appendix A, Exhibit 4.

3.2.10 Rehabilitation Plans

All of the ground surface of the Beseck Switching Station and a perimeter up to 5 feet past the proposed chain link fence will be covered in trap rock. Areas of the site with slopes greater than 2:1 will have topsoil imported to support sod planting, as shown on the Erosion and Sediment Plan in Appendix A, Exhibit 6. Planned landscaping elements to mitigate aesthetic impacts are shown in Appendix A, Exhibit 8.

3.2.11 Independent Environmental Consultant

In accordance with condition 20 of the Council's Decision and Order for the Project, CL&P will select and retain an independent environmental consultant, subject to approval by the Council, to monitor construction of the Middletown-Norwalk Project in accordance with Council-approved D&M Plans. The consultant will report regularly to the Council.

4.0 NOTICES AND REPORTS

This section outlines requirements regarding notifications and reporting procedures per Section 16-50j-62 of the Regulations of Connecticut State Agencies.

4.1 STAGING AND MATERIAL LAYDOWN AREAS

The staging and laydown area for this work will be designated within the Switching Station yard. If CL&P proposes to use a staging area other than the designated area, or if CL&P desires to use the staging area prior to final approval of this D&M Plan, CL&P will notify the Council and request such permission from the Council in accordance with Section 16-50j-62(a) of the Regulations of Connecticut State Agencies. Temporary overhead phone and power lines and security lighting will be installed within the staging area.

4.2 NOTICES TO THE COUNCIL

Three types of notices are required by the Council for construction. Each type is described below.

4.2.1 Notice of Beginning

CL&P will provide written notification to the Council a minimum of two weeks prior to the beginning of construction at the site.

4.2.2 Notice of Changes to D&M Plan

For all segments of this Project, CL&P intends to utilize a uniform procedure for interfacing with the Council regarding any changes to approved D&M Plans, namely, the procedure that the Council has already approved in connection with the D&M Plan for Scovill Rock Switching Station. This model, which has also been successfully applied for the Bethel-Norwalk Project (Docket No. 217), is described in Appendix C.

4.2.3 Notice of Completion

CL&P will provide the Council written notification of the completion of construction and site rehabilitation for the Switching Station.

4.3 NOTICE TO MUNICIPALITIES

CL&P will provide written notification to the Chief Elected Official of Wallingford a minimum of three weeks prior to the beginning of construction. CL&P will also notify the Chief Elected Official when the work at the Switching Station is complete.

4.4 NOTICE TO LANDOWNERS

CL&P will provide written notification to adjacent landowners a minimum of two weeks prior to the beginning of construction.

4.5 MONTHLY REPORTS

CL&P will provide the Council with written monthly progress reports which will include changes or deviations from the approved D&M Plan, if any.

4.6 FINAL REPORT

CL&P will provide a final report to the Council as required in Section 16-50j-62 of the Regulations of Connecticut State Agencies. The final report will contain the following information as prescribed in the regulations:

1. All agreements with abutters or other property owners regarding special maintenance precautions.
2. Significant changes to the D&M Plan that were required because of the property rights of underlying and adjoining owners or for other reasons.
3. Location of non-transmission materials which have been left in place.
4. Actual construction cost of the facility including but not limited to the following:
 - Clearing and access
 - Construction
 - Rehabilitation

5.0 ADDITIONAL ELEMENTS PER COUNCIL ORDER

The listing of additional elements identified in the Decision and Order for Docket No. 272 pertaining to D&M Plans is included in Appendix D. All applicable information is contained within the above portions of the plan and the related permits.

5.1 DECISION AND ORDER CHECKLIST

Following is a synopsis of the requirements for the D&M Plans for the Middletown-Norwalk Project as stated in the Decision and Order, followed by the location of the information in the Plan, or a statement if not applicable to this specific plan for the Beseck Switching Station.

ITEM FROM DECISION	LOCATION/APPLICABILITY
14. D&M Elements	
a. Detailed site plan showing access roads, foundations, staging areas for overhead route	General Arrangement Drawing, Appendix A
b. Detailed site plan showing splice vaults, duct banks, staging areas for underground route	Not Applicable (no underground)
c. Identification of boring sites for underground	Not Applicable (no underground)
d. Erosion and Sediment Control Plan	Section 3.2.2 and Site Erosion and Sediment Control Plan, Appendix A, Exhibits 6 & 7
e. Provisions for crossing wetlands and watercourses	Not Applicable (no wetlands or watercourses)
f. Vegetation Clearing Plan	Section 2.8
g. Wetland Restoration Plan	Not Applicable (no wetlands)
h. Invasive Species Management Plan	Not Applicable (no vegetation rehabilitation)
i. Plan for Pre-Construction Survey for species of concern	Not Applicable (no habitat)
j. Post-construction EMF Monitoring Plan	Section 5.2
k. Fencing of vernal pools; buffer around wetlands	Not Applicable (no vernal pools or wetlands)
l. Inland Wetlands Restoration Plan	Not Applicable (no wetlands)
m. Monitoring and Operations Plan for each water crossing	Not Applicable (no water crossings)
n. Traffic Control Plan	Not Applicable (no road closings)
o. Blasting Plan	Section 3.2.9
p. Groundwater Best Management Practices	Section 3.2.2
q. Identification of staging areas	Section 4.1
r. May spread excavated material in uplands; stockpile excavated soil from wetlands	Section 3.2.2 (There are no wetlands on site)

s. Limit conductor installation sites to cleared right-of-way, not in wetlands	Not Applicable (no conductors to be installed)
t. Plan to remove or adjust selected structures	Not Applicable (no structures for overhead lines to be removed or adjusted)
15. DEP Consultation (river crossings)	Not Applicable (no river crossings)
16. Regional Water Authority (RWA) Conditions	Not Applicable (not on RWA property)
17. DOT Encroachment Permit Process	Not Applicable (no areas of DOT encroachment)
18. Provide the Following Permits Prior to Construction (Public Health, OLISP, Water Crossings)	Not Applicable
19. Waste Management Permits	Section 3.2.8
20. Independent Environmental Consultant	Section 3.2.11
21. Phase II Archeological Reconnaissance Survey	Section 3.2.5

5.2 SUPPLEMENTAL PLANS AND INFORMATION

CL&P and UI intend to file a single electric and magnetic field monitoring plan for locations along the project route at a future date.

6.0 PROJECT SCHEDULE

The construction of the modifications at the Beseck Switching Station will take approximately 21 months from mobilization through construction and site restoration. The expected start of construction is April 2006, with completion by February 2008. The new equipment will be placed in service upon completion of the associated 345-kV line sections and substation improvements. Daily work hours for construction activities are expected to fluctuate between eight and twelve hours per day as determined by the Construction Contractor to meet the project schedule.

BESECK SWITCHING STATION CONSTRUCTION SCHEDULE

Grading mobilization	April 2006
Clear/Grade Site	April – October 2006
Construction Contractor Mobilization	March 2007
Subgrade installation	March-June 2007
(Includes foundations and supports)	
Controls work	March-April 2007
Equipment delivery	June-September 2007
Equipment installation	July-October 2007
Install control wiring	August-October 2007
Testing	September-February 2008

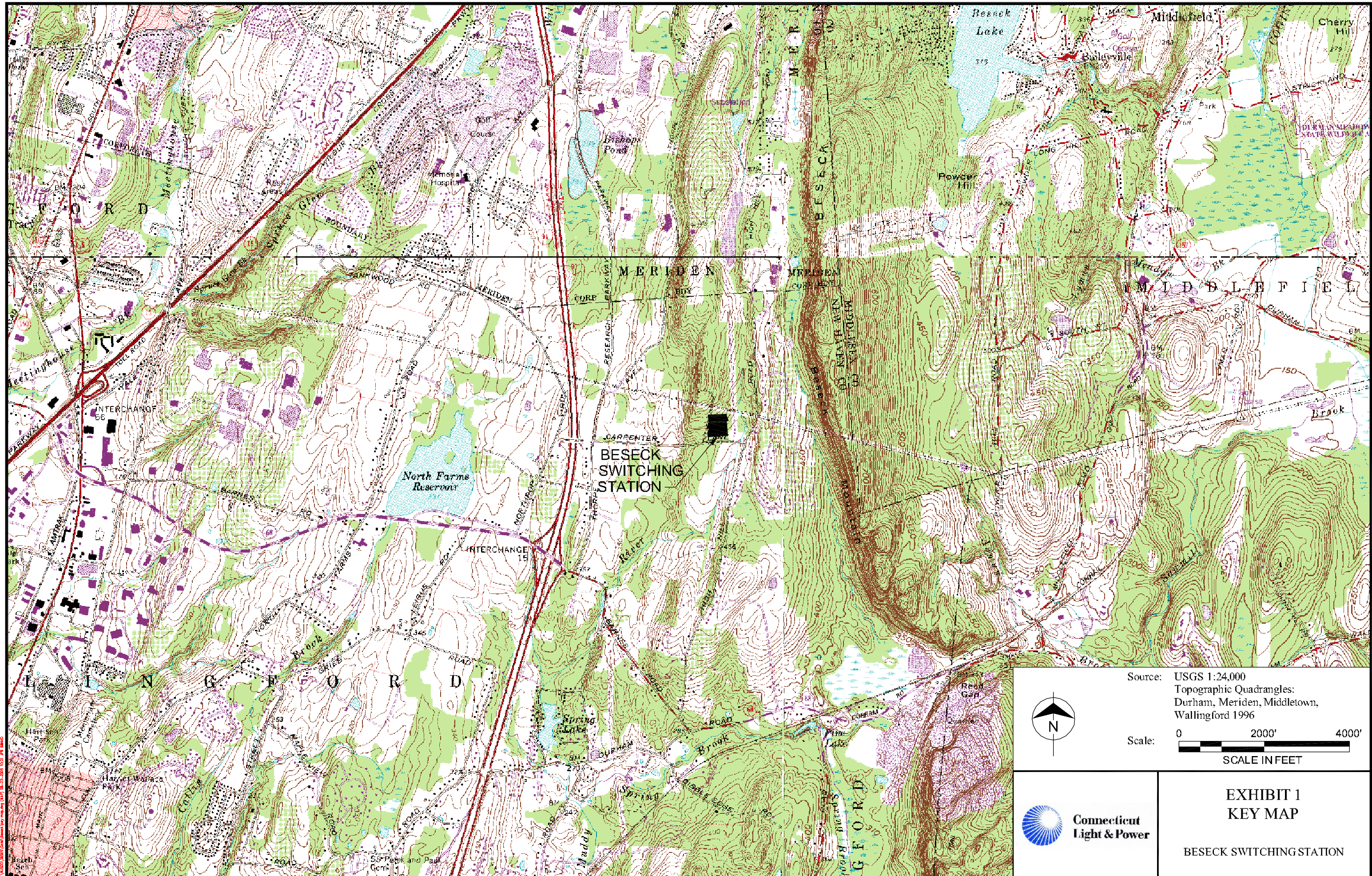
APPENDICES

- A Drawings**
- B Selected Portions of Decision
and Order**
- C D&M Plan Change Approval
Process**
- D Municipal Correspondence**

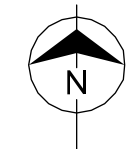
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DRAWINGS

- EXHIBIT 1 – Key Map
- EXHIBIT 2 – Aerial Photograph
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- EXHIBIT 5 – Site Grading Sections
- EXHIBIT 6 – Sedimentation and
Erosion Control Plan
- EXHIBIT 7 – Sedimentation and
Erosion Control
Details
- EXHIBIT 8 – Landscape Plan



Source: USGS 1:24,000
 Topographic Quadrangles:
 Durham, Meriden, Middletown,
 Wallingford 1996



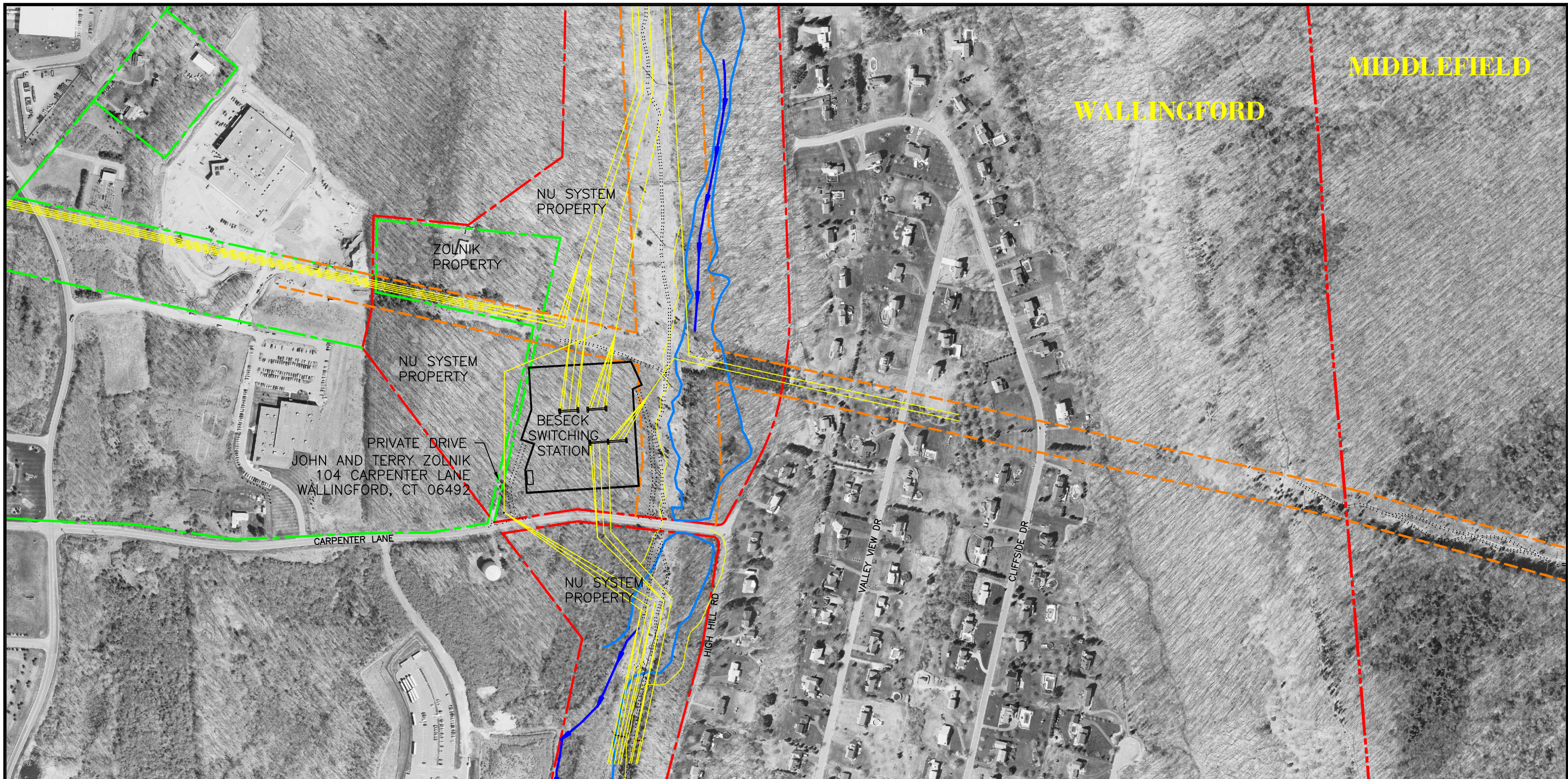
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 SCALE IN FEET










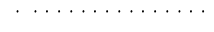

**Connecticut
 Light & Power**

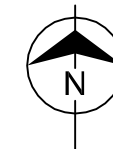
**EXHIBIT 1
 KEY MAP**

BESECK SWITCHING STATION



LEGEND

- | | | | |
|---|---|---|-------------------|
|  | NORTHEAST UTILITIES SYSTEM PROPERTY LINES |  | WATERCOURSE |
|  | TOWN LINE |  | WETLANDS BOUNDARY |
|  | PROPERTY LINE |  | WETLANDS OFFSET |
|  | LIMIT OF RIGHT OF WAY |  | ACCESS ROAD |
| | |  | FENCE LINE |



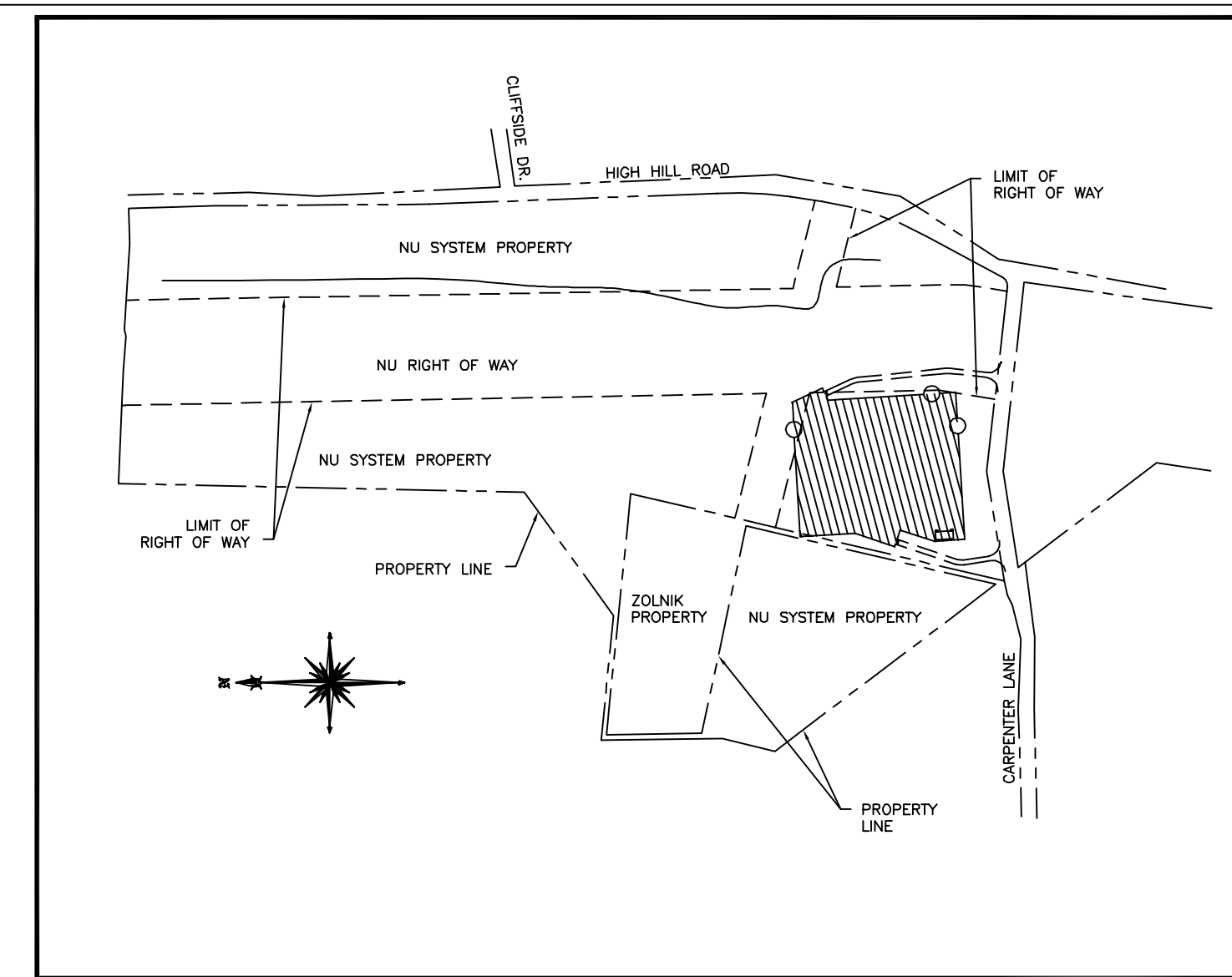
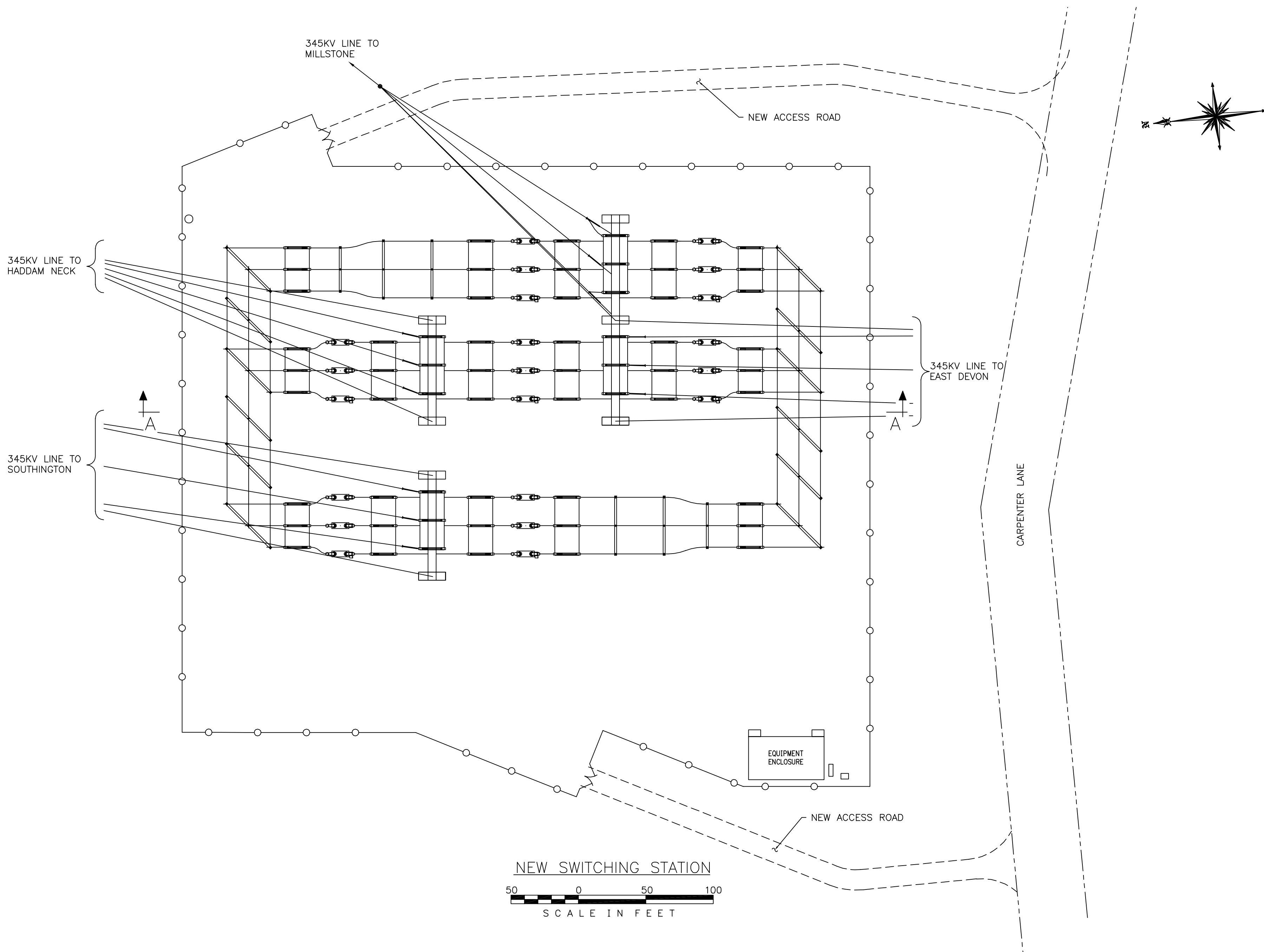
Scale: 1"=400'



EXHIBIT 2
AERIAL PHOTO

BESECK SWITCHING STATION

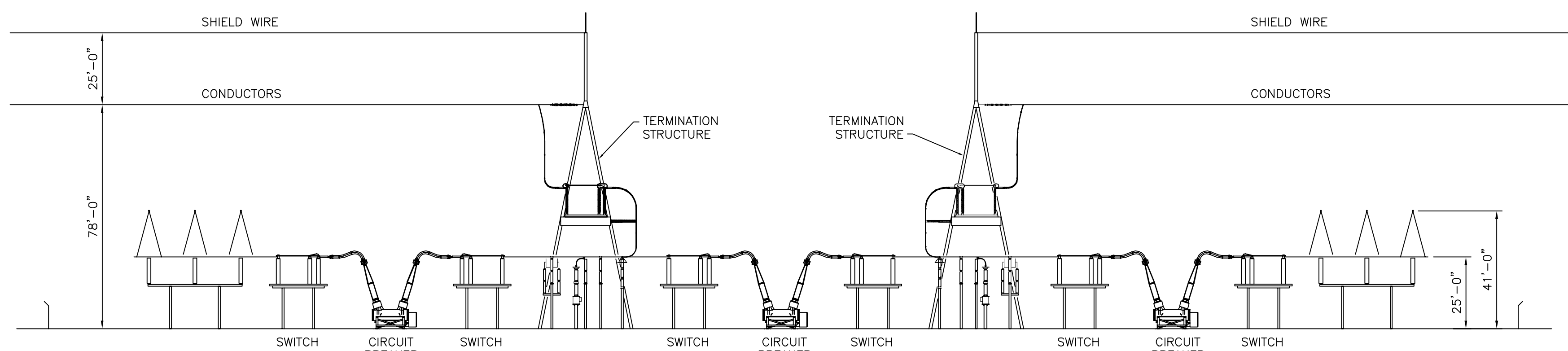
MIDDLETOWN-NORWALK 345-kV TRANSMISSION LINE PROJECT
BESECK 345-kV SWITCHING STATION



LOCATION PLAN
NOT TO SCALE

NOTES:

1. COMPANY OWNS ALL BESECK SWITCHING STATION PROPERTY IN FEE.
2. FOUNDATIONS SHALL BE SPREAD FOOTINGS WITH A DEPTH OF 3'-6" TO 5' BELOW GRADE.



SECTION A-A
SCALE IN FEET

CAD
GENERATED
DWG
MAKE NO
MANUAL
CHANGES

BEFORE CHANGES	VOID DWG.
AFTER CHANGES	NO BEFORE DWG.
REVISIONS DURING CONSTRUCTION	

NORTHEAST UTILITIES SERVICE CO.

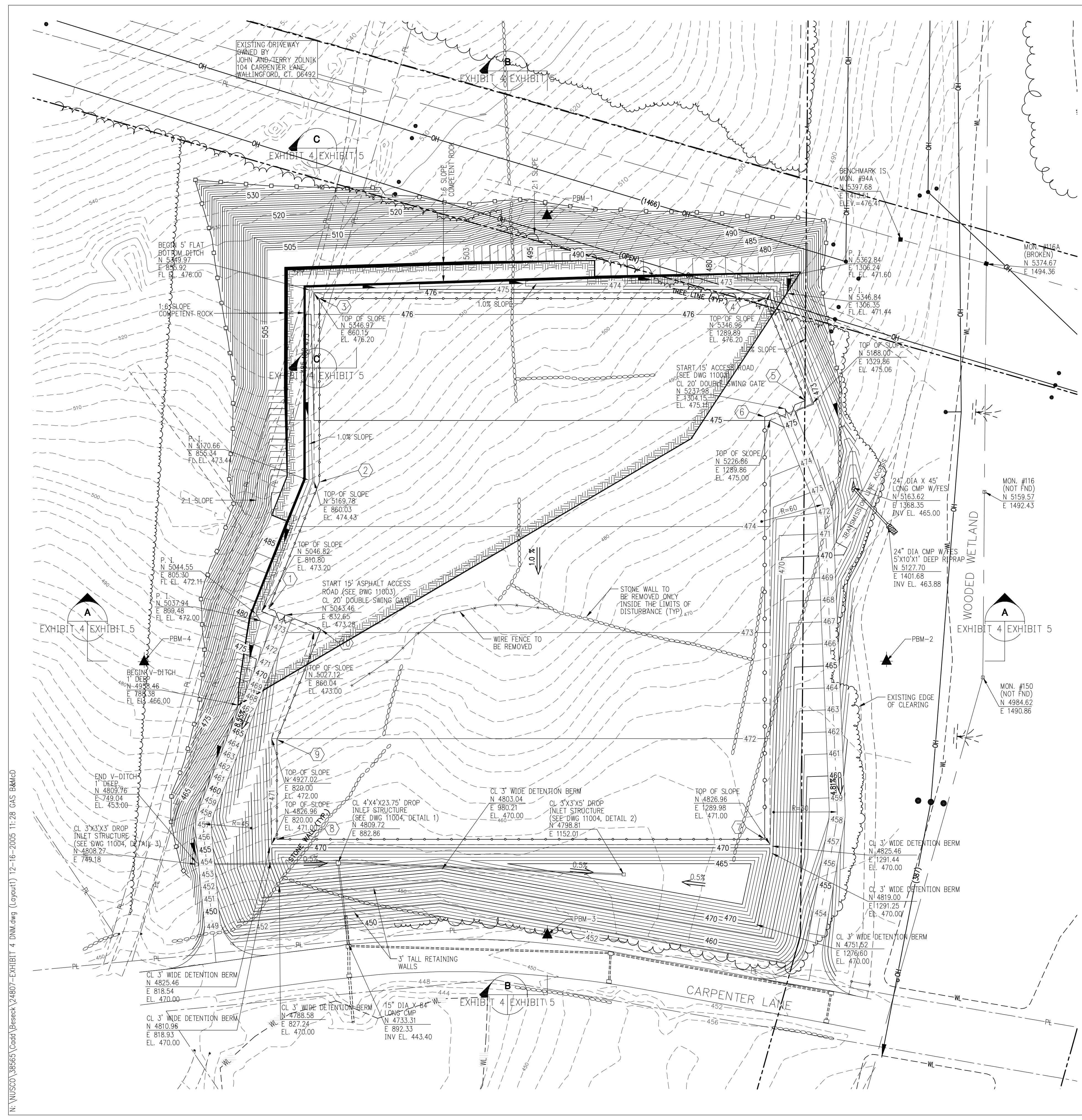
FOR THE CONNECTICUT LIGHT & POWER COMPANY

TITLE BESECK SWITCHING STATION
PROPOSED
GENERAL ARRANGEMENT - PLAN & SECTIONS
WALLINGFORD, CT.

BY TAT	CHKD	APP	APP
DATE DEC. 12, 2005	DATE	DATE	DATE
SCALE AS NOTED		DWG. NO.	EXHIBIT 3

MF	NO.	DATE	REVISIONS	BY	CHK	APP	APP

N:\MSD20\3507A\3507A\BESECK\ALT 10\24897-02001.dwg 11-16-2004 15:40 BRS



ABBREVIATIONS

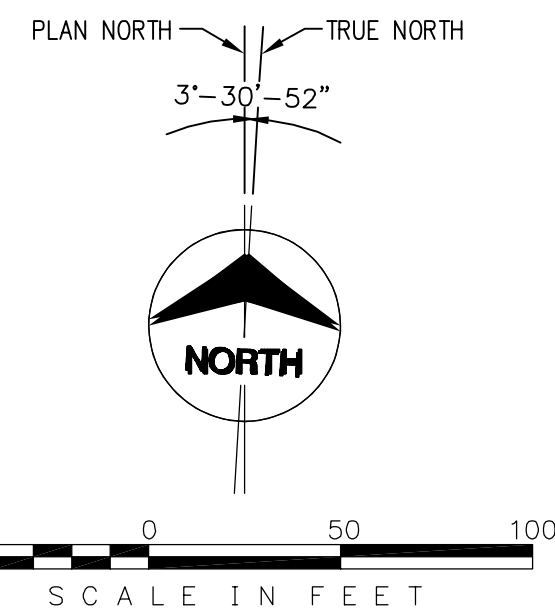
- R - RADIUS
- CL - CENTERLINE
- FL - FLOWLINE
- TYP - TYPICAL
- WL - WETLAND
- PL - PROPERTY LINE
- TOS - TOP OF SLOPE
- PBM - PERMANENT BENCH MARK
- CMP - CORRUGATED METAL PIPE
- FES - FLARED END SECTION
- PI - POINT OF INTERSECTION
- MON - MONUMENT

LEGEND

- PROPERTY LINE
- EASEMENT
- 6' CHAINLINK FENCE
- 8' SUBSTATION FENCE
- EXISTING WIRE FENCE TO BE REMOVED
- TOP OF SLOPE
- EXISTING MINOR CONTOUR
- 500 --- EXISTING MAJOR CONTOUR
- 500 — FINISHED GRADE CONTOUR
- 1.0% DIRECTION AND PERCENT OF SLOPE
- FLOWLINE
- CULVERT
- DROP INLET
- TRANSMISSION LINE POLE
- OH — OVERHEAD TRANSMISSION LINE
- WOODED WETLAND
- WL — WOODED WETLAND BOUNDARY
- ▲ PERMANENT BENCH MARK
- ESTIMATED LIMITS OF BLASTING (SEE NOTE 8)
- EDGE OF RIGHT-OF-WAY
- EDGE OF CLEARING
- RIPRAP
- EXISTING STONE WALL

NOTES:

1. ELEVATIONS ARE TO TOP OF SUBGRADE, BOTTOM OF CRUSHED ROCK SURFACING AND SEED/SOD BED (TOP OF AGGREGATE WORKING SURFACE).
2. ALL FILL SLOPES ARE 3' HORIZONTAL TO 1' VERTICAL (3:1). ALL CUT SLOPES ARE (2:1) UNLESS COMPETENT ROCK IS ENCOUNTERED. COMPETENT ROCK FACES ARE 1' HORIZONTAL TO 6' VERTICAL (1:6), EXCEPT WHERE INDICATED.
3. THE WEST ACCESS ROAD SHALL BE SURFACED WITH ASPHALT PAVEMENT AS SHOWN ON 24807-11003. THE EAST ACCESS ROAD AND THE SURFACE OF THE AREA WITHIN THE SUBSTATION AND EXTENDING 5' BEYOND THE SUBSTATION FENCE SHALL BE SURFACED WITH 3" AGGREGATE WORKING SURFACE.
4. THE SURVEY WAS COMPLETED ON MARCH 29, 2005. THE TOPOGRAPHIC AND BOUNDARY SURVEY WAS PROVIDED BY NORTHEAST UTILITIES SERVICE CO.
5. ALL DISTURBED AREAS SHALL HAVE TOPSOIL PLACED AND SEED SPREAD AS SPECIFIED UNLESS ANOTHER COVER TREATMENT IS INDICATED.
6. CULVERT SHALL BE INDICATED DIA CORRUGATED METAL PIPE (CMP) INCLUDING FLARED END SECTION (FES) AS SPECIFIED. SEE DETAIL 3 AND TYPICAL SECTION CMP END SECTION, DWG 11003.
7. THE FENCE SHALL BE INSTALLED AS SHOWN IN FENCE AND DOUBLE SWING GATE TYPICAL SECTIONS ON DWG 11004.
8. THE ESTIMATED LIMITS OF BLASTING WAS DETERMINED USING THE GEOTECHNICAL STUDY COMPLETED ON MAY 19, 2005 BY CLARENCE WELTI ASSOCIATES, INCORPORATED.
9. 8' SUBSTATION FENCE COMPRISED OF 7' OF FENCE FABRIC AND 1' CONSISTING OF 3 STRANDS OF BARBED WIRE.



SUBSTATION FENCE CORNER COORDINATES

POINT	NORTHING	EASTING
1	5049.60	817.30
2	5168.81	865.03
3	5341.96	865.15
4	5341.96	1284.88
5	5245.70	1323.39
6	5230.26	1284.91
7	4831.96	1284.98
8	4831.96	825.00
9	4926.05	825.00
10	5029.90	866.54

PERMANENT BENCHMARK LOCATIONS

NO.	NORTHING	EASTING
PBM-1	5420.00	1080.00
PBM-2	5000.00	1400.00
PBM-3	4742.00	1080.00
PBM-4	5000.00	700.00

REFERENCE DRAWINGS

22331-5-12-05 TOPOGRAPHIC SURVEY

BEFORE CHANGES	VOID DWG.
AFTER CHANGES	NO BEFORE DWG.
REVISIONS DURING CONSTRUCTION	

NORTHEAST UTILITIES SERVICE CO.
 FOR THE CONNECTICUT LIGHT & POWER COMPANY
 TITLE BEESCK SWITCHING STATION
 SITE GRADING PLAN
 WALLINGFORD, CT.

BY	BPB-BMCD	CHKD	APP	APP
DATE	12-12-05	DATE	DATE	DATE
SCALE	AS NOTED	DWG. NO.	EXHIBIT 4	

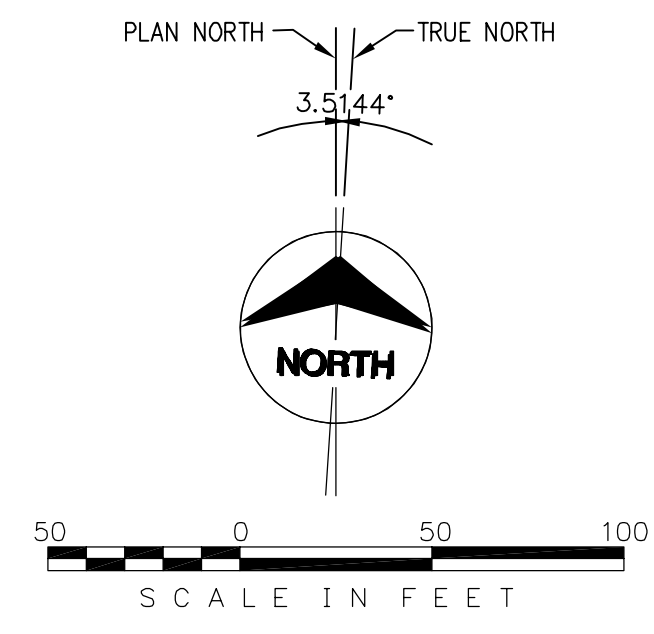
MF NO.	DATE	REVISIONS	BY	CHK	APP	APP

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- ABBREVIATIONS**
- R - RADIUS
 - CL - CENTERLINE
 - FL - FLOWLINE
 - TYP - TYPICAL
 - WL - WETLAND
 - ℙ - PROPERTY LINE
 - CMP - CORRUGATED METAL PIPE
 - FES - FLARED END SECTION

- LEGEND**
- ℙ— PROPERTY LINE
 - EASEMENT
 - FENCE
 - - - - TOP OF SLOPE
 - - - - EXISTING MINOR CONTOUR
 - - 500 - - EXISTING MAJOR CONTOUR
 - 500 - FINISHED GRADE CONTOUR
 - 1.0% DIRECTION AND PERCENT OF SLOPE
 - ▶ FLOWLINE
 - ◻ CULVERT
 - ◻ DROP INLET
 - TRANSMISSION LINE POLE
 - OH- OVERHEAD TRANSMISSION LINE
 - ⬮ CRUSHED ROCK
 - ⬮ WOODED WETLAND
 - WL- WOODED WETLAND BOUNDARY
 - ▲ PERMANENT BENCHMARK
 - ◻ RIPRAP
 - SILT FENCE
 - ◻ CURB INLET PROTECTION
 - ||| STRAW BALE



- NOTES:**
- ELEVATIONS ARE TO TOP OF SUBGRADE, BOTTOM OF CRUSHED ROCK SURFACING AND SEED/SOD BED (TOP OF AGGREGATE WORKING SURFACE).
 - THE COORDINATES INDICATED ARE BASED ON PLAN NORTH.
 - ALL SIDE SLOPES TO EXISTING GRADE ARE 3' HORIZONTAL TO 1' VERTICAL (3:1), EXCEPT WHERE INDICATED.
 - THE ACCESS ROAD SHALL BE SURFACED AS SHOWN ON 24807-11003. THE SURFACE OF THE AREA WITHIN THE SUBSTATION AND EXTENDING 5' BEYOND THE FUTURE SUBSTATION FENCE SHALL BE SURFACED WITH 6" AGGREGATE WORKING SURFACE.
 - SLOPES OF 2:1 OR GREATER, OTHER THAN NATURAL ROCK BARRIERS SHALL BE STABILIZED WITH EROSION CONTROL BLANKETS.
 - ALL DISTURBED AREAS SHALL HAVE TOPSOIL PLACED AND SEED SPREAD AS SPECIFIED UNLESS ANOTHER COVER TREATMENT IS INDICATED.
 - 6" THICK CRUSHED ROCK SHALL BE PLACED TO 5' OUTSIDE THE SUBSTATION FENCE. 6" THICK CRUSHED ROCK SHALL BE PLACED ON WEST SIDE OF EAST ACCESS DRIVE FOR TEMPORARY CONSTRUCTION PARKING.

REFERENCE DRAWINGS
22331-5-12-05 TOPOGRAPHIC SURVEY

CAD GENERATED DWG
MAKE NO MANUAL CHANGES

BEFORE CHANGES	VOID DWG.
AFTER CHANGES	NO BEFORE DWG.
REVISIONS DURING CONSTRUCTION	

NORTHEAST UTILITIES SERVICE CO.
FOR THE CONNECTICUT LIGHT & POWER COMPANY
TITLE BESECK SWITCHING STATION
SEDIMENTATION AND EROSION CONTROL PLAN
WALLINGFORD, CT.

BY	BPB-BMCD	CHKD	APP	APP
DATE	12-12-05	DATE	DATE	DATE
SCALE	AS NOTED	DWG. NO.		EXHIBIT 6

MF	NO.	DATE	REVISIONS	BY	CHK	APP	APP

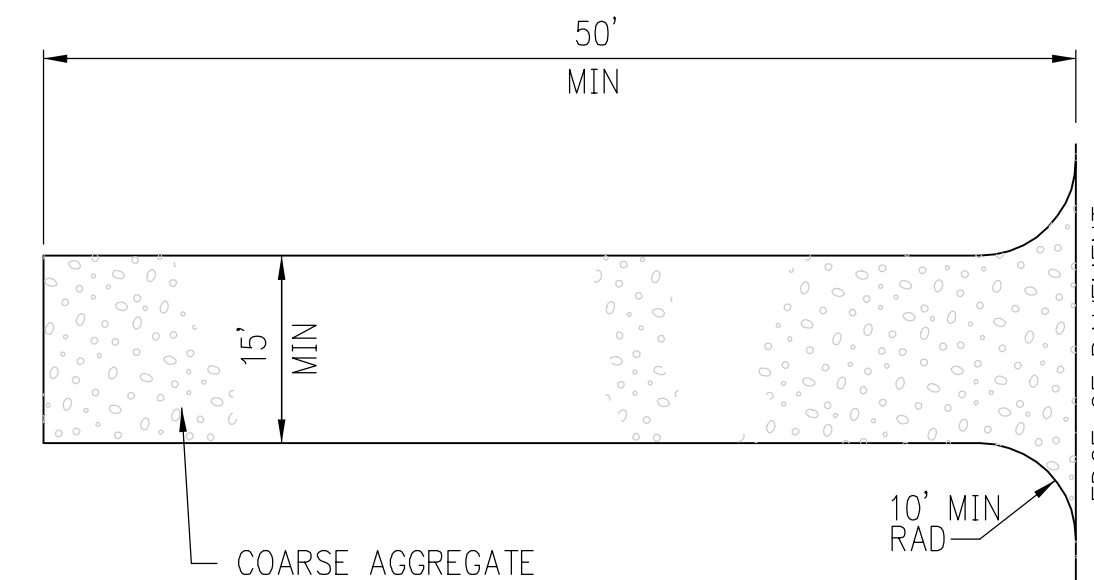
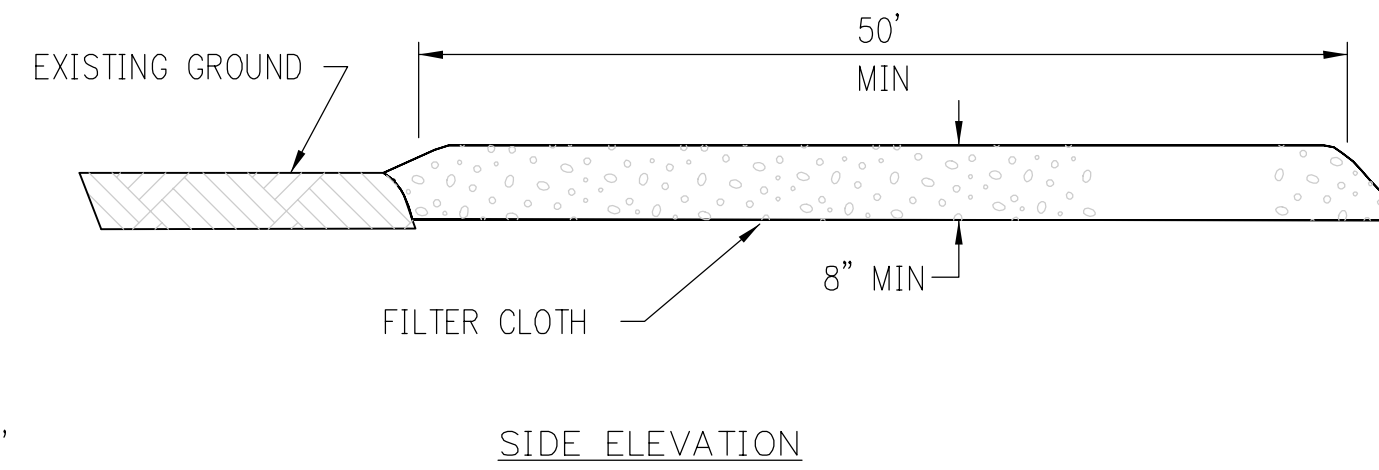
N:\USCO\36565\Cadd\Besck\24807-11005.dwg (Layout1) 12-12-2005 14:15 OAS B&M

TEMPORARY STONE CONSTRUCTION ENTRANCE CONSTRUCTION SPECIFICATIONS

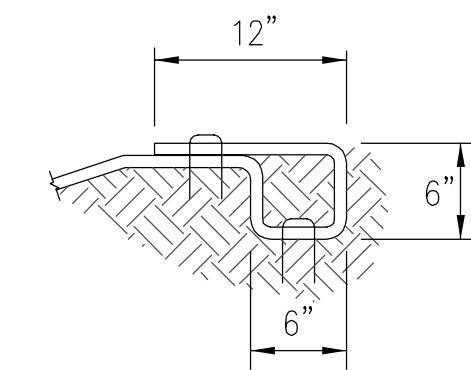
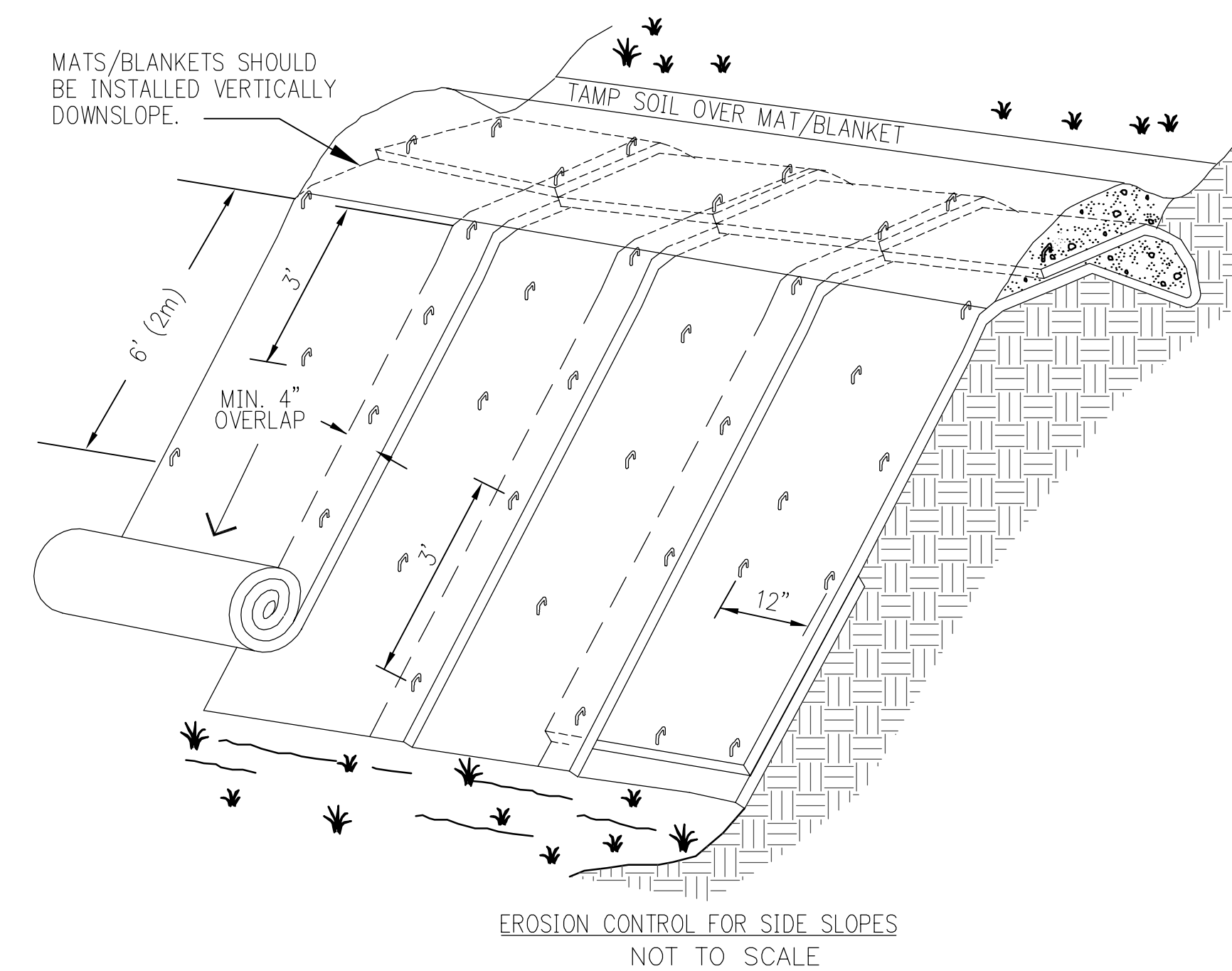
1. THE AREA OF THE ENTRANCE MUST BE EXCAVATED A MINIMUM OF 3 INCHES AND MUST BE CLEARED OF ALL VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL. THE FILTER FABRIC UNDERLINER WILL THEN BE PLACED THE FULL WIDTH AND LENGTH OF THE ENTRANCE.
2. FOLLOWING THE INSTALLATION OF THE FILTER CLOTH, THE STONE SHALL BE PLACED TO THE SPECIFIED DIMENSIONS. ANY DRAINAGE FACILITIES REQUIRED BECAUSE OF WASHING SHOULD BE CONSTRUCTED ACCORDING TO SPECIFICATIONS. CONVEYANCE OF SURFACE WATER UNDER ENTRANCE, THROUGH CULVERTS, SHALL BE PROVIDED AS REQUIRED. IF SUCH CONVEYANCE IS IMPOSSIBLE, THE CONSTRUCTION OF A "MOUNTABLE" BERM WITH 5:1 SLOPES WILL BE PERMITTED.
3. THE FILTER CLOTH UTILIZED SHALL BE A NONWOVEN FABRIC CONSISTING ONLY OF CONTINUOUS CHAIN POLYMERIC FILAMENTS OR YARNS OF POLYESTER. THE FABRIC SHALL BE INERT TO COMMONLY ENCOUNTERED CHEMICALS AND HYDROCARBONS, BE MILDEW AND ROT RESISTANT.

MAINTENANCE

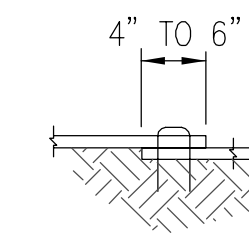
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR THE WASHING AND REWORKING OF EXISTING STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY. THE USE OF WATER TRUCKS TO REMOVE MATERIALS DROPPED, WASHED, OR TRACKED ONTO ROADWAYS WILL NOT BE PERMITTED UNDER ANY CIRCUMSTANCES.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL PUBLIC STREETS FREE OF CONSTRUCTION DEBRIS AND SEDIMENT.



TEMPORARY STONE CONSTRUCTION ENTRANCE

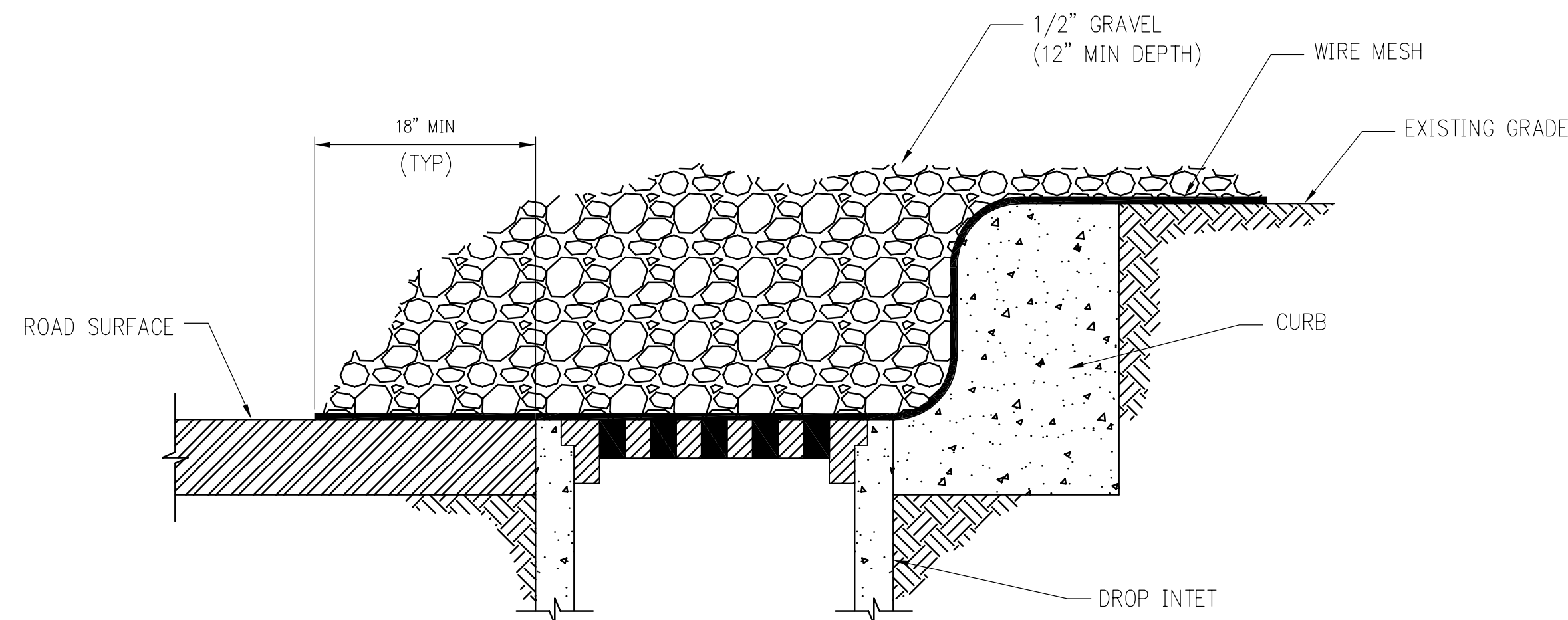


TERMINAL SLOPE AND CHANNEL ANCHOR TRENCH

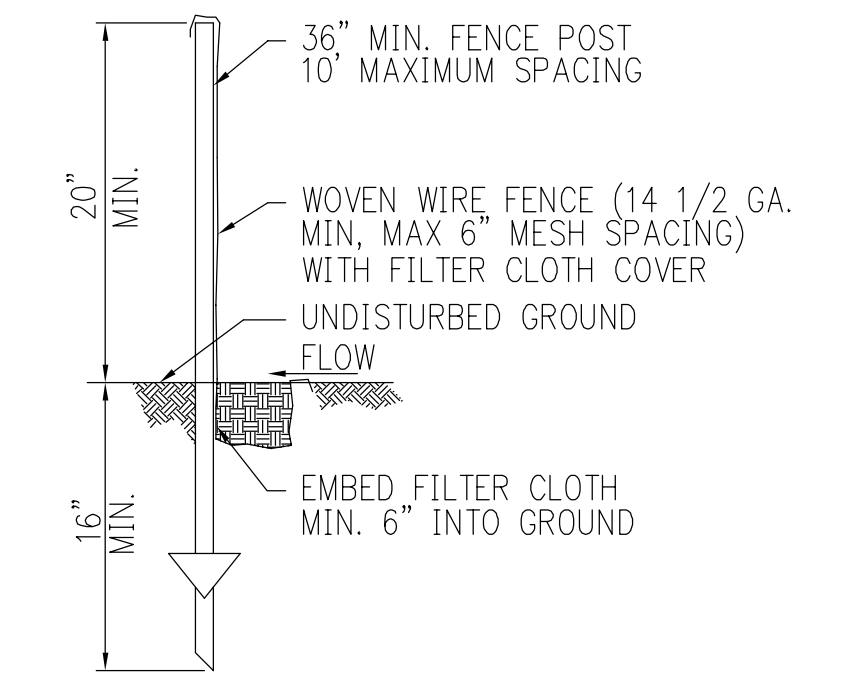


STANDARD MATTING OVERLAP

EROSION CONTROL BLANKETS NOT TO SCALE



CURB DROP INLET PROTECTION DETAIL

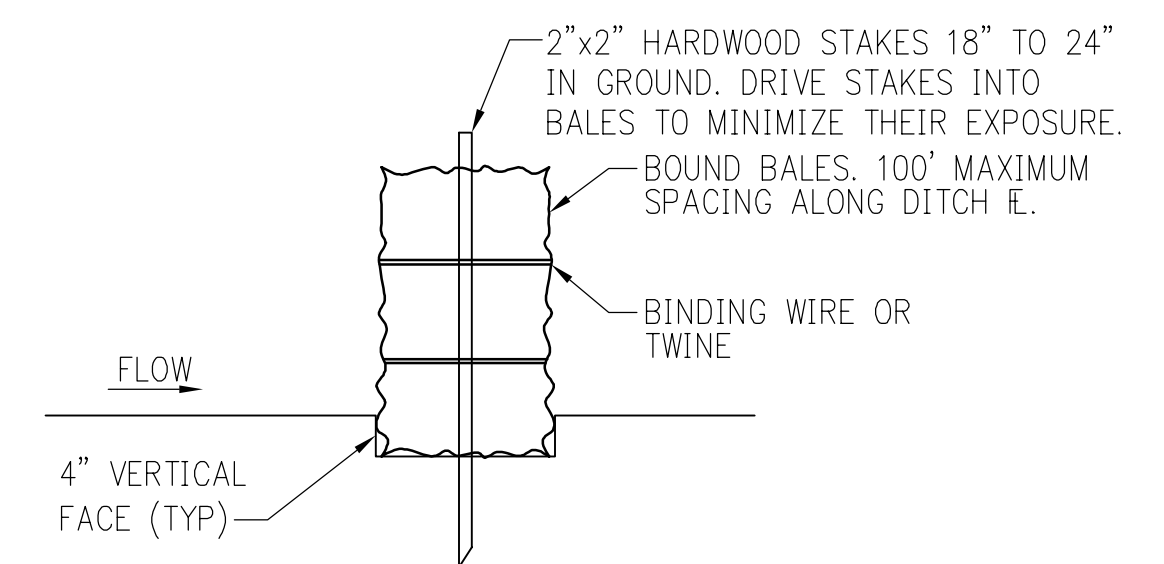


CONSTRUCTION NOTES FOR FABRICATED SILT FENCE:

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

POSTS: STEEL EITHER "I" OR "U" TYPE OR 2" HARDWOOD
 FENCE: WOVEN WIRE 14 1/2 GA. 6" MAX MESH OPENING
 FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA T140 OR APPROVED EQUAL
 PREFAB. UNIT: GEOFAB, ENVIROFENCE OR APPROVED EQUAL

DETAIL 2 SILT FENCE NOT TO SCALE



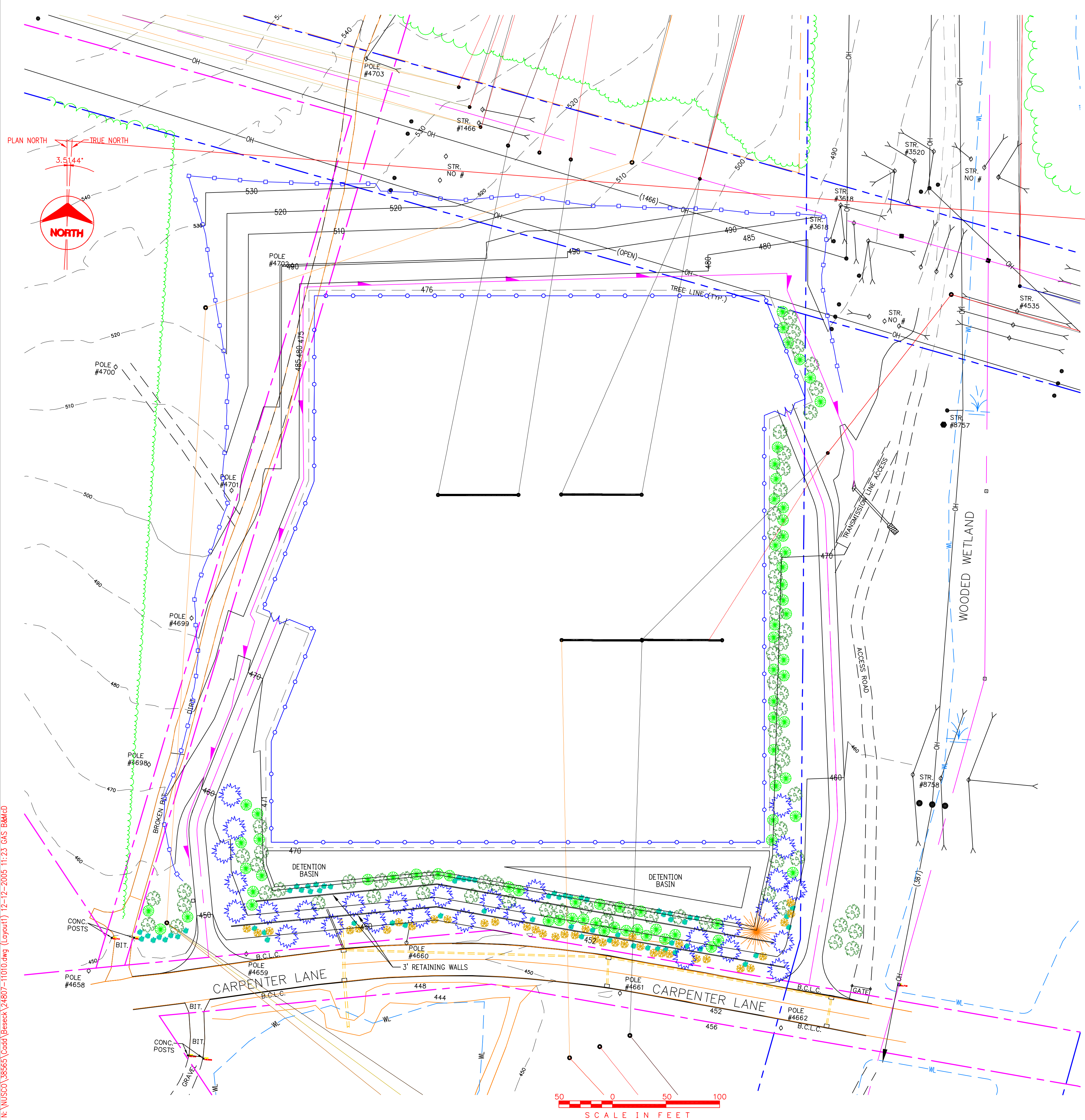
DETAIL 4 STRAW BALE DETAIL NOT TO SCALE

CAD GENERATED DWG
 MAKE NO MANUAL CHANGES

BEFORE CHANGES	VOID DWG.
AFTER CHANGES	NO BEFORE DWG.
REVISIONS DURING CONSTRUCTION	

NORTHEAST UTILITIES SERVICE CO.							
FOR THE CONNECTICUT LIGHT & POWER COMPANY							
TITLE BESECK SWITCHING STATION							
SEDIMENTATION AND EROSION CONTROL DETAILS							
WALLINGFORD, CT.							
BY	BPB-BMCD	CHKD		APP		APP	
DATE	12-12-05	DATE		DATE		DATE	
SCALE	AS NOTED				DWG. NO.		EXHIBIT 7

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NOTES:

- All plant material shall be nursery grown and shall conform to the American Standard for Nursery Stock published by the American Association of Nurserymen.
- All plants shall be delivered to the site securely balled in burlap or in original containers, with all labels intact. All plants must be free of disease and insects, and will be inspected on the site by the Owner's Representative prior to planting.
- The Owner's Representative reserves the right to reject any plants not in conformance with the specifications or in unacceptable condition.
- Contractor shall stake all planting locations and receive approval of all locations from the Owner's Representative prior to planting.
- All trees and shrubs shall be mulched individually with 4 to 6 inches depth of wood chips per NU Specifications for Landscaping.
- All plant material shall be guaranteed for one year after planting, and contractor shall maintain the planting including all watering, weeding, or other maintenance necessary for a period of one year after planting.
- Contractor will provide watering, weeding, cultivating, spraying, and pruning necessary to keep plant materials in a healthy growing condition.
- No plant shall be placed inside the top of slope of the detention basin. All damage to the detention basin Claymax liner shall be repaired as specified.

LANDSCAPE LEGEND

SYMBOL	QUANTITY	NAME	SIZE
	30	WHITE PINE (Pinus strobus)	5'-6' HT
	69	RED CEDAR (Juniperus virginiana)	4'-5' HT
	37	APPLE SERVICEBERRY (Amelanchier x grandiflora)	3 1/2'-4' HT
	72	DARK AMERICAN ARBROVITAE (Thuja occidentalis 'Nigra')	4'-5' HT
	1	NORWAY SPRUCE (Picea abies)	6'-8' HT
	64	Viburnum (in variety-Blackhaw, Arrowood, Nannyberry)	1 1/2'-2' HT

ABBREVIATIONS

- WL - WETLAND
- TOS - TOP OF SLOPE

LEGEND

- PROPERTY LINE
- EASEMENT
- FENCE
- TOP OF SLOPE
- EXISTING MAJOR CONTOUR
- FINISHED GRADE CONTOUR
- FLOWLINE
- CULVERT
- DROP INLET
- TRANSMISSION LINE POLE
- OVERHEAD TRANSMISSION LINE
- WOODED WETLAND
- WOODED WETLAND BOUNDARY

REFERENCE DRAWINGS
22331-5-12-05 TOPOGRAPHIC SURVEY

BEFORE CHANGES	VOID DWG.
AFTER CHANGES	NO BEFORE DWG.
REVISIONS DURING CONSTRUCTION	

NORTHEAST UTILITIES SERVICE CO.
FOR THE CONNECTICUT LIGHT & POWER COMPANY
TITLE BESECK SWITCHING STATION
LANDSCAPE PLAN
WALLINGFORD, CT.

BY RMG	CHKD APP	APP
DATE 12-12-05	DATE	DATE
SCALE AS NOTED	DWG. NO.	EXHIBIT 8

MF NO.	DATE	REVISIONS	BY	CHK	APP	APP



CAD GENERATED DWG
MAKE NO MANUAL CHANGES

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APPENDIX B

DOCKET NO. 272

SELECTED PORTIONS OF DECISION AND ORDER

APPENDIX B

DOCKET 272

SELECTED PORTIONS OF DECISION AND ORDER

14. The Certificate Holders shall not commence construction of the overhead and underground electric transmission system until securing Council approval of a D&M Plan, consistent with the Regulations of Connecticut State Agencies Section 16-50j-60 through Section 16-50j-62 and which includes the following elements:
 - a. A detailed site plan showing the placement of the access roads, structure foundations, equipment and material staging area for the overhead route;
 - b. A detailed site plan showing the underground route, splice boxes, provisions for underground cable protection, and equipment and material staging area;
 - c. Identification of horizontal directional drill and jack and boring sites;
 - d. An erosion and sediment control plan, consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control as amended for both overhead and underground routes;
 - e. Provisions for crossing inland wetland and watercourses for both overhead and underground routes;
 - f. Vegetative clearing plan;
 - g. A wetland restoration plan;
 - h. Invasive species management plan;
 - i. A Plan for a pre-construction survey for all other endangered, threatened and species of special concern, flag areas of mudwort and bayonet grass, sweep areas for eastern box turtle and wood turtle prior to construction and abide to construction periods as outlined by the DEP Wildlife Division;
 - j. A post-construction electric and magnetic field monitoring plan;
 - k. A plan for installing construction fencing at vernal pools near construction activities and a buffer area be established around inland wetlands;
 - l. An inland wetlands restoration plan;
 - m. Monitoring and Operations Plan for each water body crossing;
 - n. A traffic control plan to include scheduling of construction hours during nights and/or weekends and mitigation of lighting and noise;
 - o. A blasting plan
 - p. Groundwater best management practices plan;
 - q. Identification of developed areas for staging and equipment lay down, field office trailers, sanitary facilities and parking before establishing a new area;
 - r. Excavated material in upland construction may be allowed to be graded in proximity to the structure and excavated soil in wetland construction shall be stockpiled in an upland area for use in wetland restoration;
 - s. Conductor installation sites shall be within the existing right-of-way, use of existing cleared areas, to the extent possible, and pulling sites will not be allowed in wetlands;
 - t. A plan for the following: structure #4010 may be eliminated; in Woodbridge, details on removal of structure #3920 and new poles may be eliminated in the area of wetland #133; a number of structures within wetland #70 adjacent to Tamarac Swamp in Wallingford may be reduced, especially structures #8769 and 8800; and a set of existing pole structures immediately adjacent to the Farmington Can Recreational Trail in Hamden could be removed.

15. The Certificate Holders are directed to consult with DEP on the following matters:
 - a. Concerning horizontal directional drill and the jack and bore crossing techniques;
 - b. Forging streams; and
 - c. Construction scheduling at the Milford boat launch and the line should be sited so as to not interfere unreasonably with any future maintenance needs.

16. The Certificate Holders shall abide to the following Regional Water Authority (RWA) conditions:
 - a. Shall provide all information necessary for the RWA to prepare a DPH Change in Use Application and Revocable License Agreement for the construction activities on RWA owned watershed land.
 - b. Shall prepare a Stormwater Pollution Prevention Plan (SWPPP) during the development of the Development and Management Plan (D&M Plan). The D&M Plan shall be prepared in accordance with the Connecticut Guidelines for Soil Erosion and Sediment Control.
 - c. Refueling of construction equipment on public water supply watershed and aquifer areas shall only be conducted over portable spill container areas. Absorbent spill response materials shall be readily available on-site. The RWA shall be immediately notified of any hazardous material spills or other water quality incidents on its public water supply watershed or aquifers.
 - d. Any fuel, oils, paints solvents, or other hazardous material stored on-site during the construction process shall be in a secure area with at least 100 percent secondary containment.
 - e. Submittal of an Integrated Pest Management Plan for long-term maintenance of right-of-ways and submittal of an annual summary of pesticide use and other maintenance activities on RWA property.
 - f. If blasting is required, pre-blast surveys of RWA facilities shall be done, recording seismographs shall be in place during blasting and copies of the survey and sand seismograph results shall be provided to the RWA.
 - g. Provision of reimbursement for reasonable costs incurred by the RWA regarding review and inspection of the Project, including costs for review by its special consultants, and costs associated with designing and relocating the RWA's facilities, if required.
 - h. Preliminary and final D&M Plans shall be provided to the RWA for its review comments. The RWA shall be allowed at least 30 days to review and comment.
 - i. The RWA shall receive between three and five days notice prior to commencement of construction activity on public water supply watershed or aquifers, or in the vicinity of RWA facilities.

17. The Certificate Holders shall use the DOT encroachment permit process developed for Docket No. 217 project as a template.

18. The Certificate Holders shall provide the following permits prior to the commencement of construction:
 - a. Department of Public Health change-in-use permit;
 - b. Office of Long Island Sound Programs (OLISP) coastal permits for the Singer and East Devon Substations; and
 - c. DEP water body crossing permits.

19. The Certificate Holders shall obtain necessary waste management permits for activity in any solid waster disposal areas and remove and dispose of contaminated soil per municipal, state and federal regulations.
20. The Certificate Holders shall hire an independent environmental consultant, subject to Council approval, to monitor and report on the installation of the overhead and underground transmission system.
21. The Certificate Holders shall conduct a Phase II Archeological Reconnaissance Survey in consultation with the Connecticut Historical Commission prior to construction.

APPENDIX C

D&M PLAN CHANGE APPROVAL PROCESS

APPENDIX C

D&M PLAN CHANGE APPROVAL PROCESS

Identification of Significant Changes:

Once CL&P identifies a required change to the D&M Plan, it must determine whether it is a “significant change,” because such changes require advance Council approval. CL&P proposes the following criteria for identifying significant changes: a “significant change” is a change to the Project that significantly reduces the amount of protection to the environment or significantly increases potential public concerns. To be “significant”, the change must have a meaningful impact to the environment, public, or other permits.

For the underground portion of the Project, once CL&P identifies a potential change, it will consult with a Connecticut Department of Transportation (CDOT) representative to reach an agreement as to whether the change is “significant.” Any changes to existing CDOT facilities or affecting planned projects of CDOT would be considered “significant.”

Procedure for Council Review of “Significant Changes” to D&M Plan:

“Urgent” Case: If the change is “urgent” (i.e., if having to wait until the next regularly scheduled meeting of the Council to obtain approval of the change would have a material impact on construction cost or scheduling), then CL&P will contact Council staff to determine if the Council chairman will grant oral permission for the change so as to allow construction to continue in accordance with the proposed change. If oral permission is granted, CL&P will continue construction in accordance with the change and will file documentation regarding the change within 24 hours. If oral permission is denied, CL&P will file the proposed D&M Plan Change with the Council for review and will hold construction impacted by the change pending the Council’s determination.

“Non-Urgent” Case: If the change is not “urgent,” then CL&P will file the proposed D&M Plan Change with the Council for review at its next meeting and will delay the construction impacted by the change pending the Council’s determination.

Procedure for Council Review of Other Types of Changes to the D&M Plan:

For purposes of reviewing and processing changes to an approved D&M Plan that are not deemed to be “significant”, CL&P will categorize the change as one of the following:

Non-significant change: a change to the Project that may reduce the amount of protection to the environment or may increase potential public concerns, but only in a minor or trivial manner.

Positive Change: A change to the Project that increases the amount of protection to the environment or decreases public concerns, having no negative aspects in this regard (that is, positive impacts may not be considered to offset any negative impacts).

Minor Change: A change to a design aspect of a drawing, where the design has no bearing on the environment or potential public concerns.

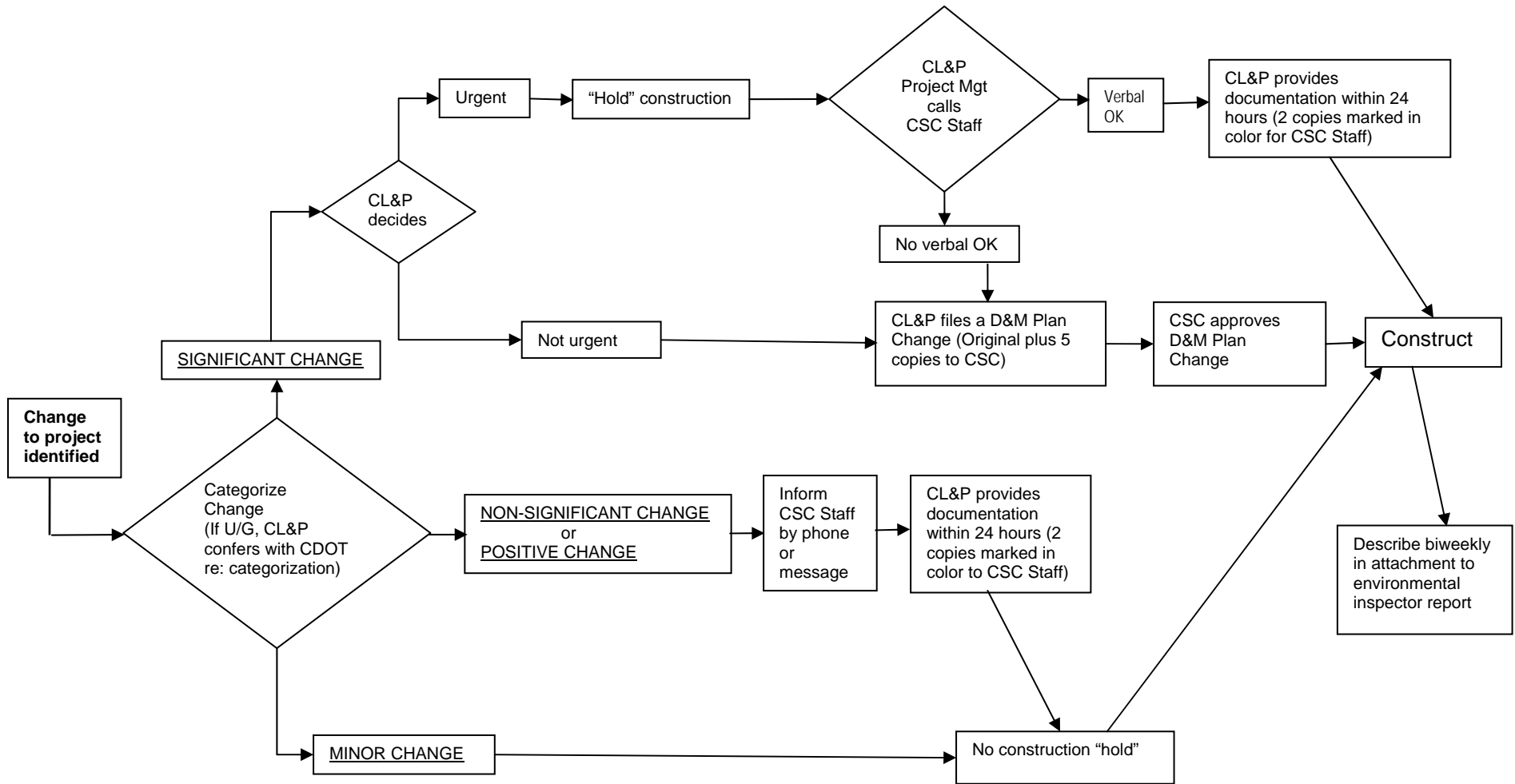
For “non-significant” and “positive” changes, CL&P will inform Council staff of the change by phone (or telephone message) and will file appropriate documentation with the Council within 24 hours. There will be no “hold” on construction for such non-significant and positive changes.

For “minor changes”, there will be no formal notification process prior to proceeding with construction incorporating the change, and the reporting of such changes will occur biweekly, as described below.

Biweekly Reporting of All Changes to D&M Plans

CL&P will document all D&M Plan changes - significant, non-significant, positive, and minor – in an attachment to the environmental inspector’s biweekly report.

Middletown-Norwalk Transmission Project
D&M Plan Change Approval Process



APPENDIX D
MUNICIPAL CORRESPONDENCE



OFFICE OF THE MAYOR
TOWN OF WALLINGFORD
CONNECTICUT

WILLIAM W. DICKINSON, JR.
MAYOR

45 SOUTH MAIN STREET
WALLINGFORD, CT 06492
TELEPHONE 203 294-2070
FAX 203 294-2073

December 8, 2005

Ms. Anne Bartosewicz
Middletown-Norwalk Project Director
Connecticut Light & Power
107 Selden Street
Berlin, CT 06037

RE: Draft D&M Plan; Beseck Switching Station

Dear Ms. Bartosewicz:

The Town of Wallingford offers the following comments with respect to the Draft D&M Plan-Beseck Switching Station. We want to ensure that the parties responsible for the D&M plan provide as much landscape screening as is possible to shield this facility from surrounding properties. The Town wants the Middletown-Norwalk project to retain as much of the existing vegetation including mature trees, as practicable to help achieve this goal.

There is a specific concern regarding the property immediately adjacent on the easterly side of the proposed switching station, an existing driveway and a utility pole line to service the owner of 104 Carpenter Lane. Your plans indicate an elimination of a portion of that driveway but do not identify any of the existing structure conflicts. No provisions are shown to relocate any poles or wires necessary to continue utility services to 104 Carpenter Lane. Our Electric Division owns equipment on those poles and we request whatever plans are available that will address this problem.

Lastly, the Town of Wallingford owns and operates a 1,000,000-gallon water tank on Carpenter Lane opposite your Beseck Switching Station. We are extremely concerned about the proposed blasting and the possible impacts on this prestressed concrete structure and associated facilities. We expect a full report on pre-blast conditions and guarantees that there will be no adverse effects caused by this procedure.

We will appreciate a response from you regarding our concerns. Thank you.

Sincerely,

A handwritten signature in cursive script that reads "William W. Dickinson, Jr." with a long horizontal flourish extending to the right.

William W. Dickinson, Jr.
Mayor

jms

cc: Raymond Smith, Director of Utilities



**Connecticut
Light & Power**

The Northeast Utilities System

107 Selden Street, Berlin CT 06037

Northeast Utilities Service Company
P.O. Box 270
Hartford, CT 06141-0270
(860) 665-5000

December 16, 2005

The Honorable William W. Dickinson
Mayor, Town of Wallingford
Municipal Building
45 South Main Street
Wallingford, CT 06492-0427

References:

1. Mayor William Dickinson letter to Anne Bartosewicz, "Draft D&M Plan; Beseck Switching Station," dated December 8, 2005.
2. Anne Bartosewicz transmittal letter to Mayor William Dickinson, "Draft D&M Plan; Beseck Switching Station," dated November 18, 2005.

Dear Mayor Dickinson,

As requested, we are responding to your comments and concerns (Reference 1) regarding the draft D&M Plan for the new Beseck Switching Station (Reference 2).

Landscaping/Screening

The landscaping plan for the Beseck Switching Station has been modified since our November 18 draft D&M Plan submittal. The south embankment along Carpenter Lane was modified from a single slope to a two-step slope with a retaining wall that necessitated changes in landscaping. Your comment has been noted and we will ensure that adequate landscaping is provided to reduce the visual effects of the new Switching Station.

Property at 104 Carpenter Lane

Following negotiations during which both driveway relocation and the purchase of the property were discussed, we have reached an agreement with the owners to purchase the property at 104 Carpenter Lane by the end of this year. The agreement includes a provision for the Zolniks to remain in the home until the start of construction of the Beseck Switching Station, currently scheduled for April 1, 2006. The concern you raise is not expected to be an issue since no utility poles will be moved before that date.



m | n middletown | norwalk

Integrity of Town Water Tank / Blasting

Excavation of the Beseck Switching Station site is expected to include some blasting that will be conducted in a manner that maintains safe working conditions and avoids damage to adjacent areas and structures. Blasting performed will meet or exceed all applicable federal, state and local requirements covering the use of explosives. Excessive vibration will be controlled by limiting the size of charges and by using charge delays, which stagger each charge in a series of blasts. In the unlikely event that structural damage due to blasting occurs at a nearby structure -- such as the Town's water tank -- the owner will be compensated for damages or appropriate repairs will be made.

Additional information on blasting can be found in the D&M Plan, Section 3.2.9.

Please contact me if you have additional questions or concerns at 860-665-2771.

Sincerely,



Anne Bartosewicz
Middletown-Norwalk Project Director

c: Raymond Smith, Wallingford Director of Public Utilities