

THE CONNECTICUT VALLEY ELECTRIC TRANSMISSION RELIABILITY PROJECTS

APPLICATION TO THE

CONNECTICUT SITING COUNCIL

FOR CERTIFICATES OF ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED FOR

THE CONNECTICUT PORTION

OF THE GREATER SPRINGFIELD RELIABILITY PROJECT

AND FOR

THE MANCHESTER TO MEEKVILLE JUNCTION CIRCUIT SEPARATION PROJECT

BY

THE CONNECTICUT LIGHT & POWER COMPANY

VOLUME 10 of 11

OCTOBER 2008

VOLUME 10: ROUTE ILLUSTRATION

EX. 1: Typical Cross Sections and Photo Simulations

EX.2: Plan & Profile Drawings

EX. 1: Typical Cross Sections and Photo Simulations

INTRODUCTION

The Cross-Section drawings and simulated photographs provide a visual representation of the Connecticut portion of the North Bloomfield to Agawam 345-kV Line Route and the proposed modifications to existing 115-kV transmission line facilities between the North Bloomfield Substation and the Connecticut/Massachusetts state border with Agawam, Massachusetts. Cross-sections are also included for the proposed layout of the Manchester to Meekville Junction Circuit Separation Project. Alternative cross sections are included in this section, including the GSRP Massachusetts Southern Route Alternative, underground variations for GSRP. Each cross-section contains a key map in bottom left corner to direct the viewer to the appropriate location of the cross-section along the respective route. Only the portions of the routes in Connecticut are included in this section.

The simulated photographs provide a visual representation of what the ROWs look like today and a simulation of what these ROWs might look like once the project is complete. The simulated photographs are shown on the facing page with the respective cross section as applicable. These photographs are intended to provide the reader with a visual view of the overhead line structures.

The Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route – Cross-Section Drawings, XS-1 and XS-2

Greater Springfield Reliability Project
North Bloomfield Substation to Granby Junction in the Town of Bloomfield
Transmission Rights-of-Way
Typical Cross Section XS-1

The existing line structures will remain and a line of new 345-kV H-Frame structures would be installed.

(Existing Transmission Right-of-Way Configuration)



Existing electric transmission line structures looking southwest from State Highway 189, north of North Bloomfield Substation.

(Simulation of the Proposed Transmission Right-of-Way Configuration)



Proposed electric transmission line structures looking southwest from State Highway 189, north of North Bloomfield Substation.

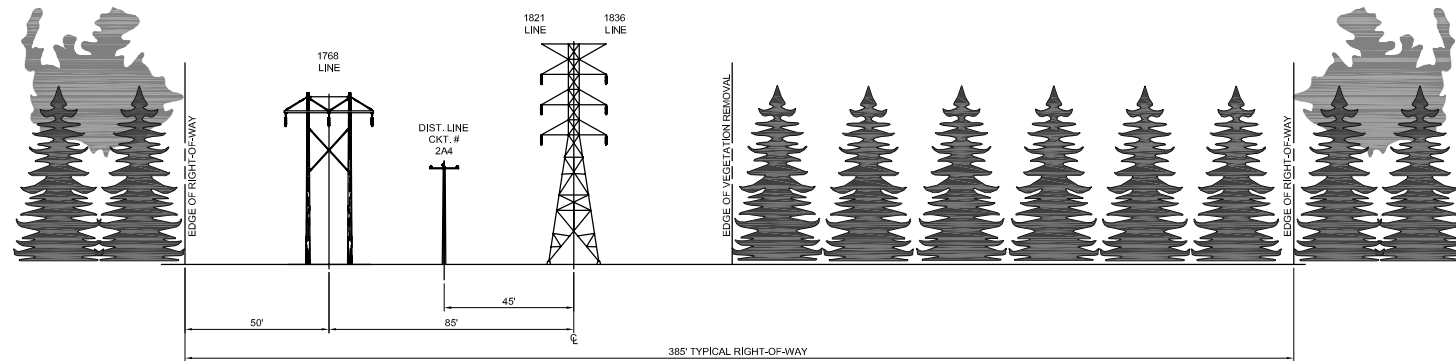
NOTE: See Drawing XS-1 for a representation of the typical transmission structures, typical heights of the structures, and ROW width for this cross section.

EXISTING LAYOUT
NORTH BLOOMFIELD S/S
TO
GRANBY JCT.

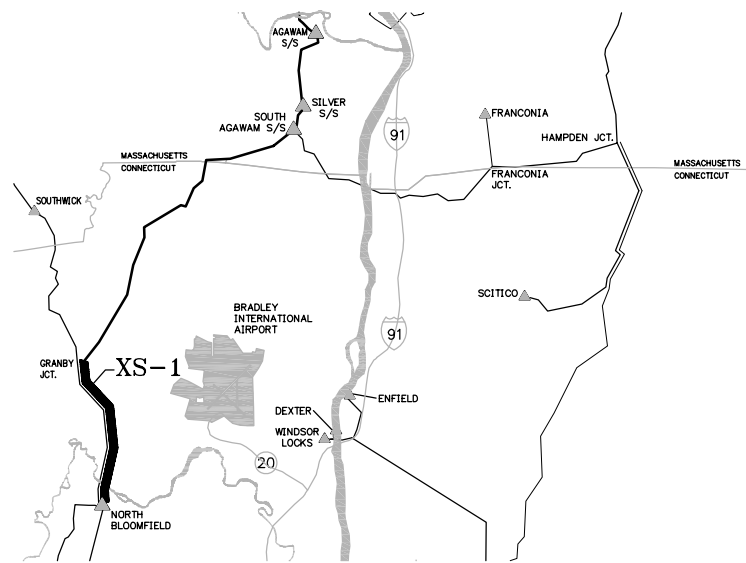
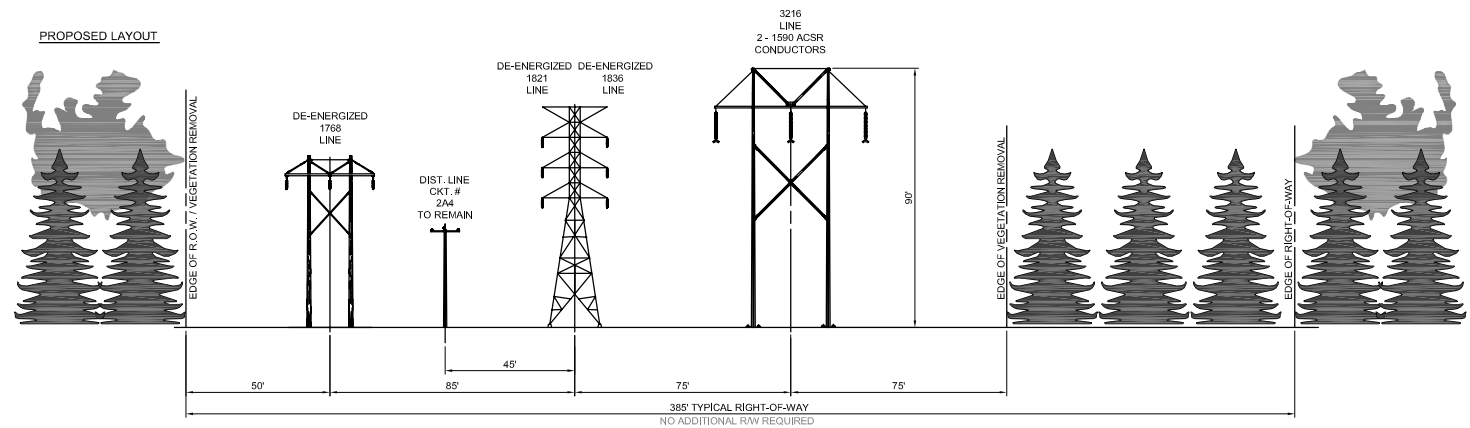
4.7 MILES

EXISTING
RIGHT-OF-WAY
385' TYP.

LOOKING
NORTH



PROPOSED LAYOUT



NOTES:

1. EXISTING STRUCTURES TO REMAIN.
2. EXISTING CIRCUITS 1768, 1821, & 1836 WILL BE DE-ENERGIZED.
3. STRUCTURE HEIGHTS WERE DETERMINED FROM TYPICAL EXPECTED SPANS. TOWER HEIGHTS ARE SUBJECT TO CHANGE WITH THE COMPLETION OF FINAL DESIGN.
4. DISTRIBUTION BEGINS ON THE NORTH SIDE OF THE FARMINGTON RIVER AND CONTINUES NORTH.

PRELIMINARY -
SUBJECT TO CHANGE



TITLE **GREATER SPRINGFIELD RELIABILITY PROJECT
PROPOSED CROSS SECTIONS
NORTH BLOOMFIELD S/S TO GRANBY JCT.**

BY J. LIGHTNER	CHKD P.M. WILLIAMS	APP	APP
DATE 9/17/08	DATE	DATE	DATE
SCALE NONE	MICROFILM DATE	DWG. NO. XS-1	
P.A. #			

Greater Springfield Reliability Project
Granby Junction to 0.5 miles south of Connecticut/Massachusetts border in the Town of East Granby
Transmission Rights-of-Way
Typical Cross Section XS-2

The existing line structures will remain and a line of new 345-kV H-Frame structures would be installed.

(Existing Transmission Right-of-Way Configuration)



Existing electric transmission line structures looking south from Newgate Road, northeast of Granby Junction.

(Simulation of the Proposed Transmission Right-of-Way Configuration)



Proposed electric transmission line structures looking south from Newgate Road, northeast of Granby Junction.

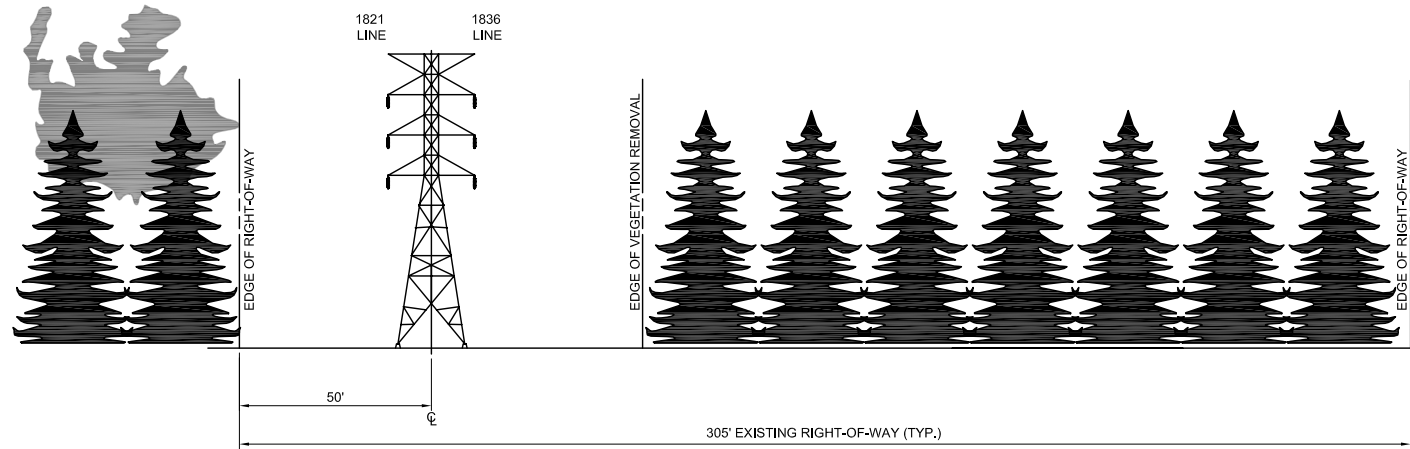
NOTE: See Drawing XS-2 for a representation of the typical transmission structures, typical heights of the structures, and ROW width for this cross section.

EXISTING LAYOUT
GRANBY JCT.
TO
CT/MA BORDER

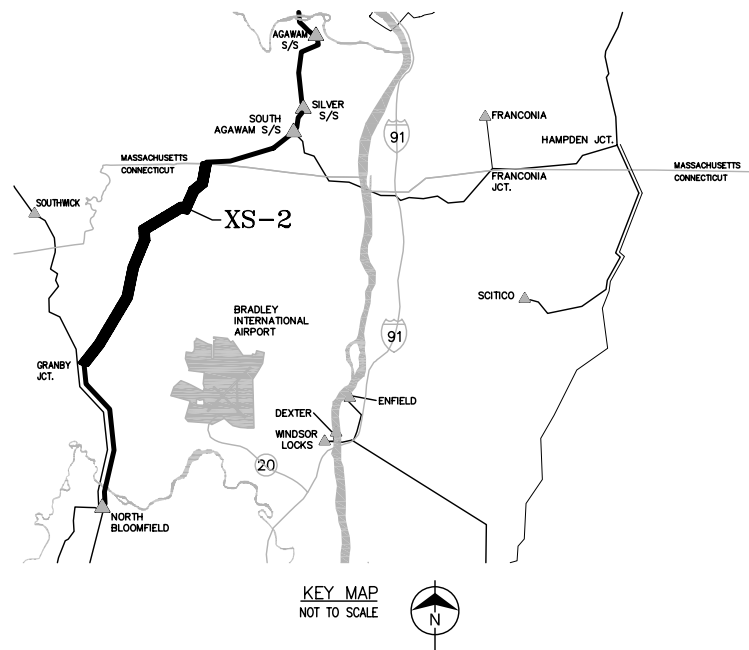
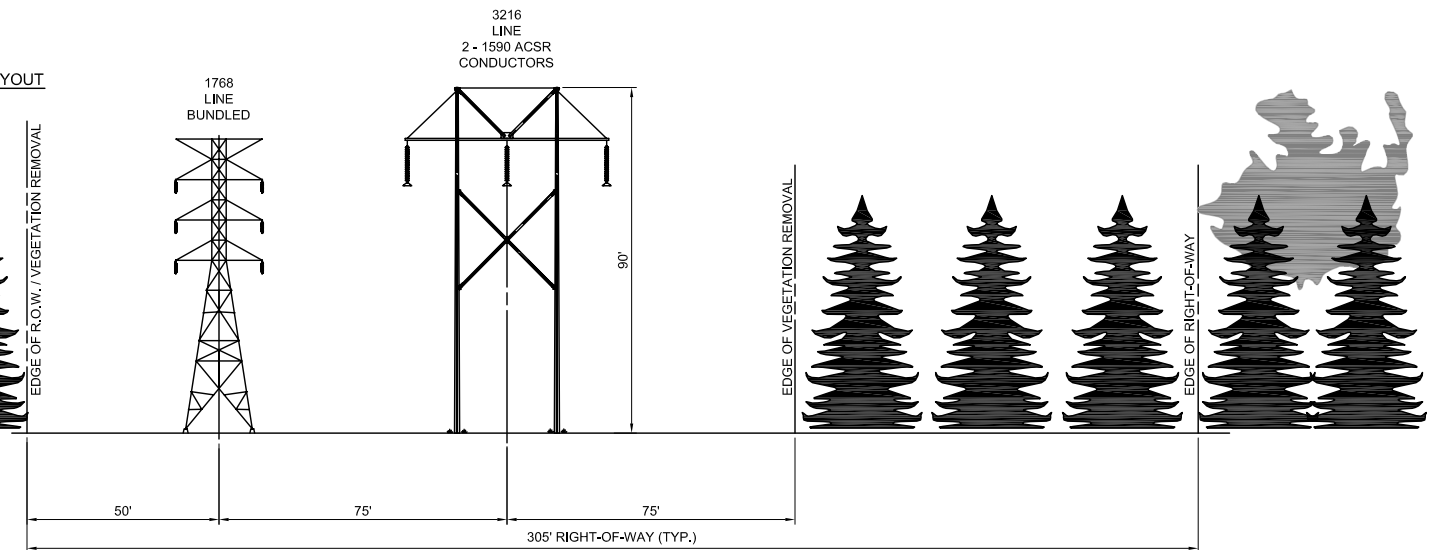
7.2 MILES

EXISTING
RIGHT-OF-WAY
305'

LOOKING
NORTH



PROPOSED LAYOUT



CONSTRUCTION SEQUENCE:

1. PREPARE CORRIDOR: INSTALL ACCESS ROADS, COMPLETE VEGETATION CLEARING AND REMOVE OBSTRUCTIONS AS REQUIRED.
2. CONSTRUCT NEW 345KV STRUCTURES, NO EXTENDED OUTAGE ON ADJACENT CIRCUITS ANTICIPATED.

NOTES:

1. EXISTING STRUCTURES TO REMAIN.
2. 1821 & 1836 TO BE RECONFIGURED INTO A SINGLE CIRCUIT.
3. STRUCTURE HEIGHTS WERE DETERMINED FROM TYPICAL EXPECTED SPANS, TOWER HEIGHTS ARE SUBJECT TO CHANGE WITH THE COMPLETION OF FINAL DESIGN.
4. REFER TO XS-2 BMP FOR EMF REDUCTION LAYOUT.

CRITERIA	MAX SPAN UNDER NORMAL TENSION		MAX SPAN UNDER HIGH TENSION	
	I-STRING	STRAIN	I-STRING	STRAIN
345 - 115 CLEARANCE	842 @ 6 PSF WIND	998 @ 6 PSF WIND	935 @ 6 PSF WIND	1108 @ 6 PSF WIND
345 - EDGE OF ROW CLEARANCE	2426 @ 9 PSF WIND	2482 @ 9 PSF WIND	2685 @ 9 PSF WIND	2748 @ 9 PSF WIND
345 - EDGE OF ROW CLEARANCE	1860 @ 25.6 PSF EXTREME WIND	1923 @ 25.6 PSF EXTREME WIND	2015 @ 25.6 PSF EXTREME WIND	2084 @ 25.6 PSF EXTREME WIND

PRELIMINARY -
SUBJECT TO CHANGE



TITLE **GREATER SPRINGFIELD RELIABILITY PROJECT
PROPOSED CROSS SECTIONS
GRANBY JCT. TO CT/MA BORDER**

BY J. LIGHTNER	CHKD P.M. WILLIAMS	APP	APP
DATE 9/15/08	DATE	DATE	DATE
SCALE NONE	MICROFILM DATE	DWG. NO. XS-2	
P.A. #			

Greater Springfield Reliability Project
Granby Junction to 0.5 miles south of Connecticut/Massachusetts border in the Town of Suffield
Transmission Rights-of-Way
Typical Cross Section XS-2

The existing structures will remain and a line of new 345-kV H-Frame structures would be installed.

(Existing Transmission Right-of-Way Configuration)



(Simulation of the Proposed Transmission Right-of-Way Configuration)



Existing electric transmission structures looking north from Phelps Rd, northeast of Granby Junction.

Proposed electric transmission structures looking north from Phelps Rd, northeast of Granby Junction.

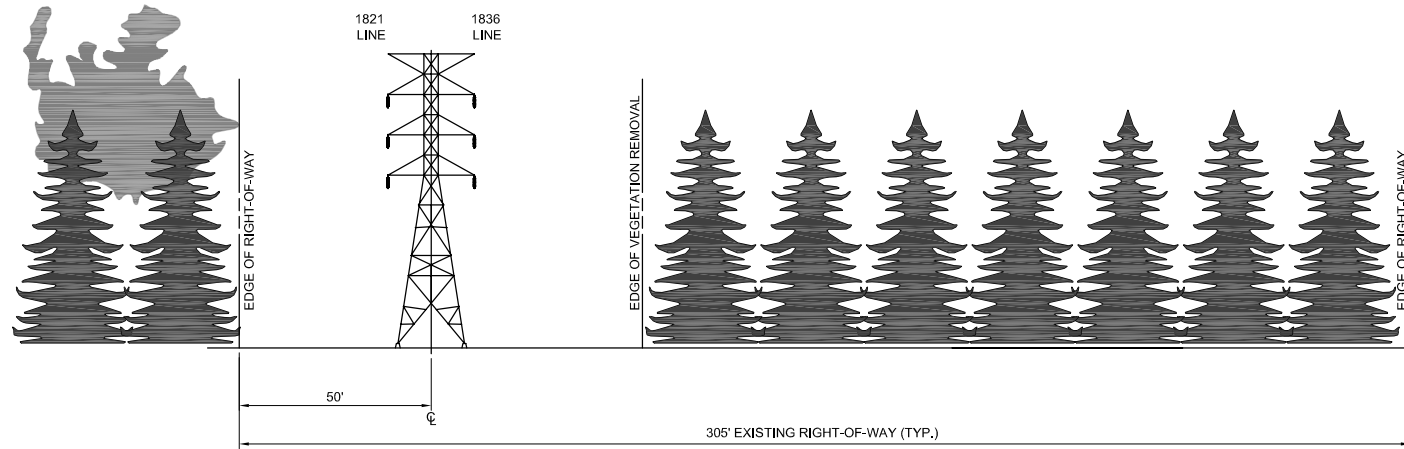
NOTE: See Drawing XS-2 for a representation of the typical transmission structures, typical heights of the structures, and ROW width for this cross section.

EXISTING LAYOUT
GRANBY JCT.
TO
CT/MA BORDER

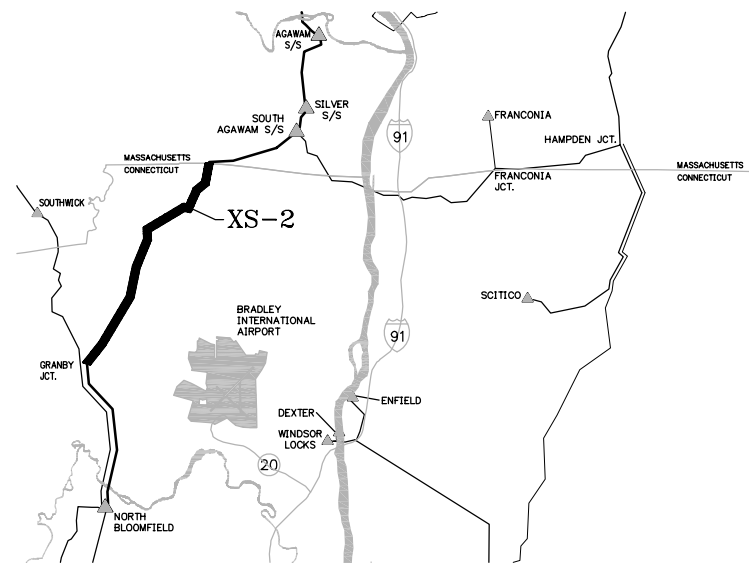
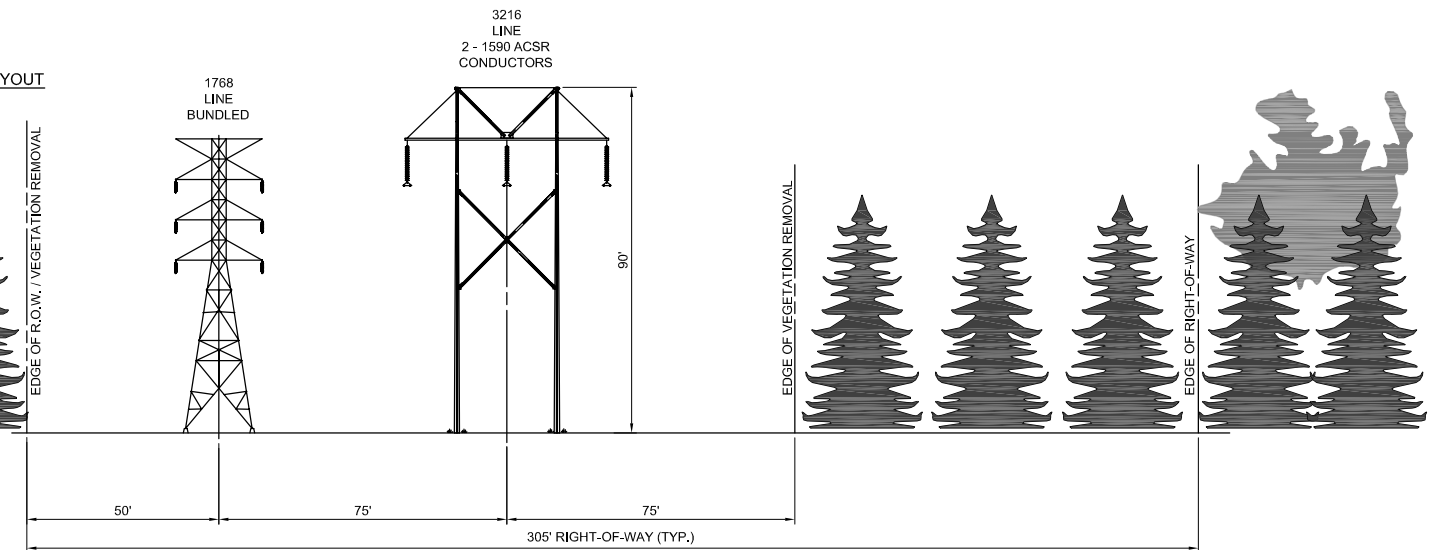
7.2 MILES

EXISTING
RIGHT-OF-WAY
305'

LOOKING
NORTH



PROPOSED LAYOUT



KEY MAP
NOT TO SCALE

PRELIMINARY -
SUBJECT TO CHANGE

NOTES:

1. EXISTING STRUCTURES TO REMAIN.
2. 1821 & 1836 TO BE RECONFIGURED INTO A SINGLE CIRCUIT.
3. STRUCTURE HEIGHTS WERE DETERMINED FROM TYPICAL EXPECTED SPANS. TOWER HEIGHTS ARE SUBJECT TO CHANGE WITH THE COMPLETION OF FINAL DESIGN.
4. REFER TO XS-2 BMP FOR EMF REDUCTION LAYOUT.
5. REFER TO XS-2 UG FOR UNDERGROUND CONFIGURATION.



TITLE **GREATER SPRINGFIELD RELIABILITY PROJECT
PROPOSED CROSS SECTIONS
GRANBY JCT. TO CT/MA BORDER**

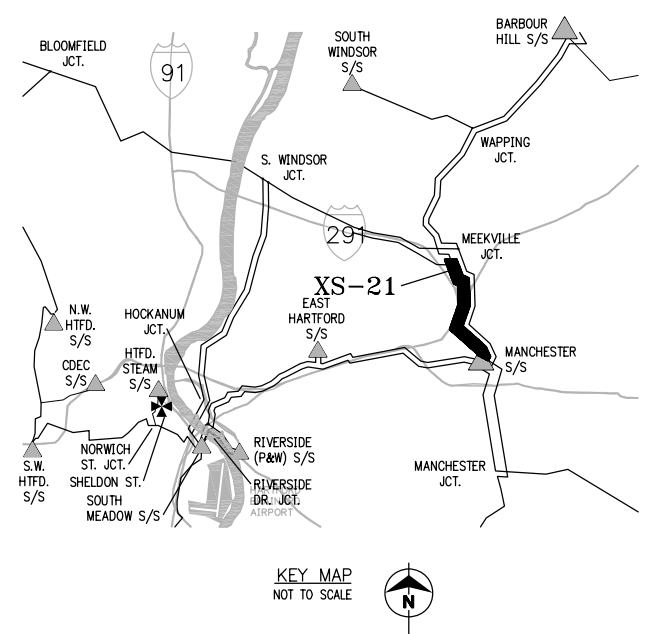
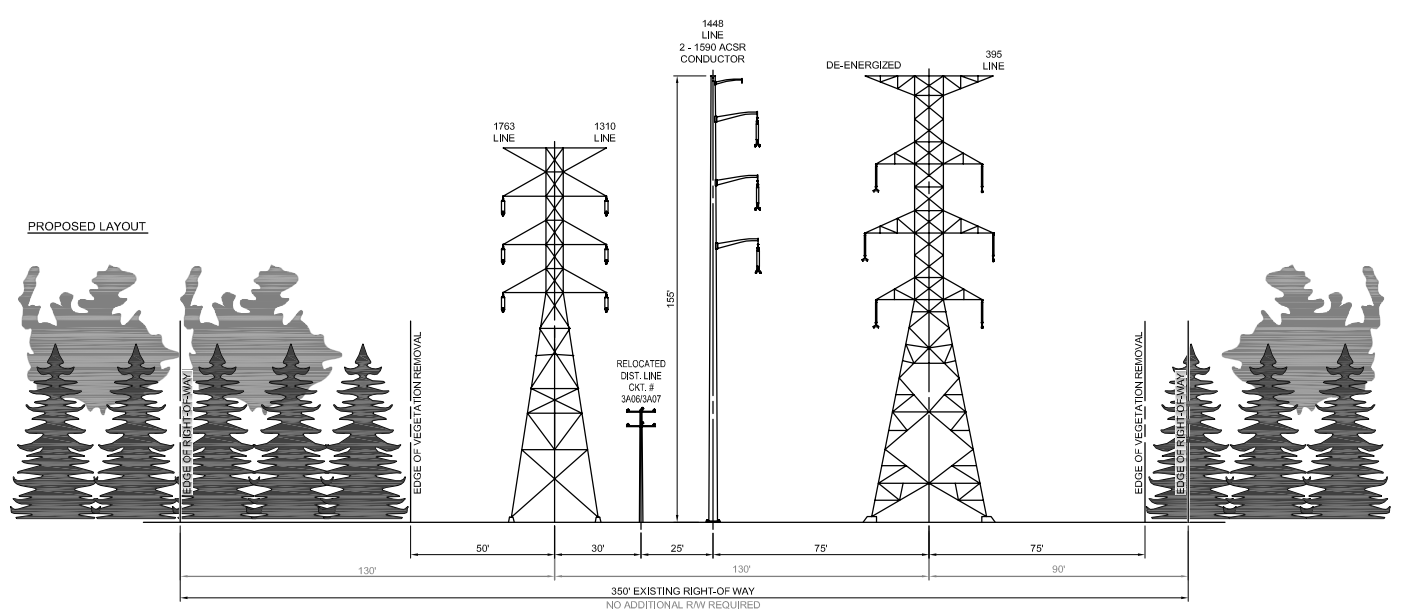
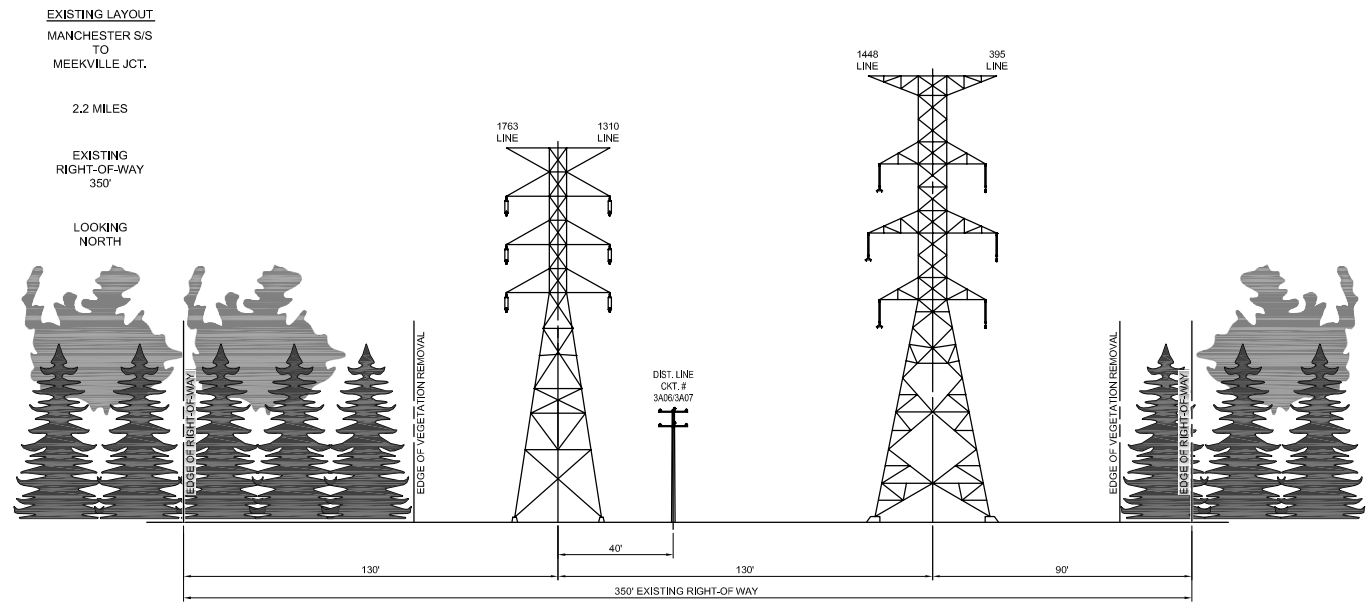
BY J. LIGHTNER	CHKD P.M. WILLIAMS	APP	APP
DATE 9/15/08	DATE	DATE	DATE
SCALE NONE	MICROFILM DATE	DWG. NO. XS-2	
P.A. #			

N:\PROJECTS\45700\Drawings\Sheet\Drawings\XS-2.dwg (9/15/08 10:58 AM) BMM

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The Manchester to Meekville Junction Circuit Separation Project in Connecticut – Cross-Section Drawing, XS-21

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**PRELIMINARY -
 SUBJECT TO CHANGE**



- NOTES:**
1. STRUCTURE HEIGHTS WERE DETERMINED FROM TYPICAL EXPECTED SPANS. TOWER HEIGHTS ARE SUBJECT TO CHANGE WITH THE COMPLETION OF FINAL DESIGN.
 2. STREAMS, BUILDINGS AND OTHER OBSTRUCTIONS MAY REQUIRE VARIANCES FROM TYPICAL CROSS SECTION.
 3. DISTRIBUTION SHOULD BE CONSTRUCTED UTILIZING SPACER CABLE FOR COMPACT LAYOUTS.
 4. DE-ENERGIZED CONDUCTORS ARE TO REMAIN IN PLACE.

TITLE GREATER SPRINGFIELD RELIABILITY PROJECT
 PROPOSED CROSS SECTIONS
 MANCHESTER S/S TO MEEKVILLE JCT.

BY J. LIGHTNER	CHKD P.M. WILLIAMS	APP	APP
DATE 9/15/08	DATE	DATE	DATE
SCALE NONE	MICROFILM DATE	DWG. NO. XS-21	
P.A. #			

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The EMF Reduction Layout As Proposed in the Field Management Design Plan – Cross-Section Drawings, XS-2 BMP and XS-21 BMP

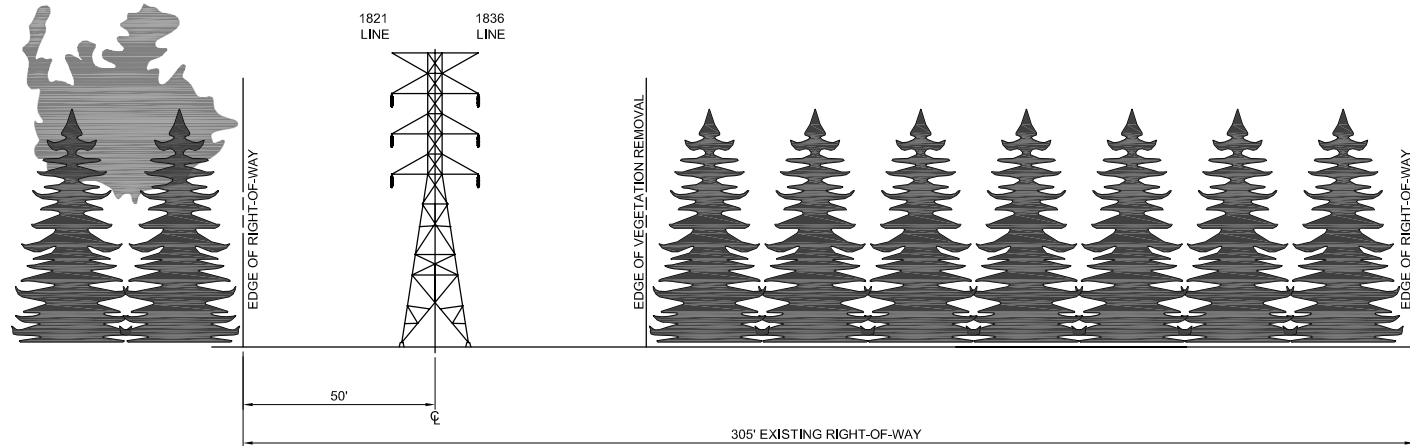
Note: This page intentionally left blank

EXISTING LAYOUT
 EXISTING STR. 3191
 TO
 EXISTING STR. 3221

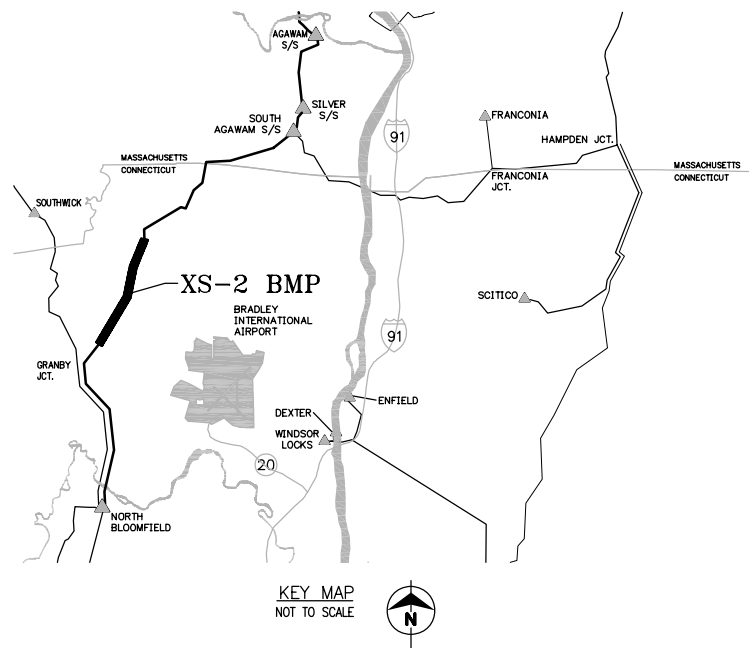
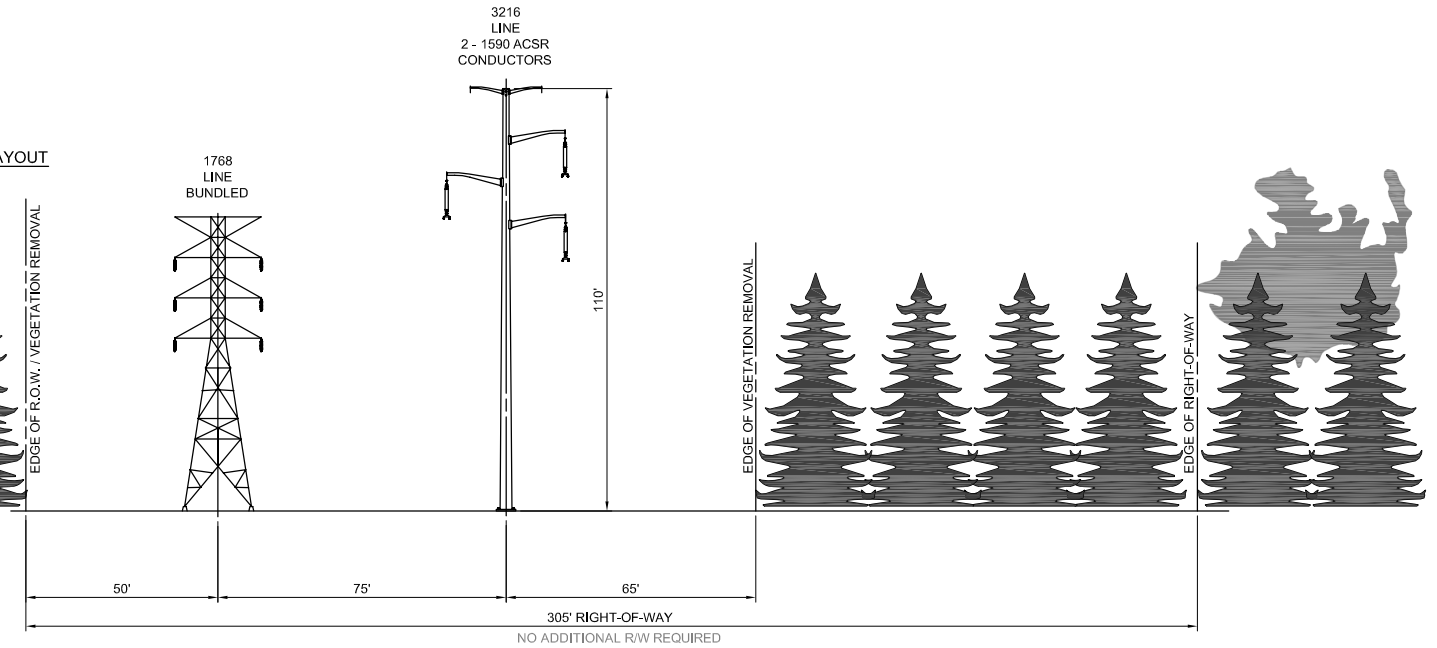
3.2 MILES

EXISTING
 RIGHT-OF-WAY
 305'

LOOKING
 NORTH



PROPOSED LAYOUT



KEY MAP
 NOT TO SCALE

NOTES:

1. EXISTING STRUCTURES TO REMAIN.
2. 1821 & 1836 TO BE RECONFIGURED INTO A SINGLE CIRCUIT.
3. STRUCTURE HEIGHTS WERE DETERMINED FROM TYPICAL EXPECTED SPANS. TOWER HEIGHTS ARE SUBJECT TO CHANGE WITH THE COMPLETION OF FINAL DESIGN.

PRELIMINARY -
 SUBJECT TO CHANGE



TITLE **GREATER SPRINGFIELD RELIABILITY PROJECT
 PROPOSED CROSS SECTIONS
 EXISTING STR. 3191 TO EXISTING STR. 3221**

BY J. LIGHTNER	CHKD P.M. WILLIAMS	APP	APP
DATE 9/15/08	DATE	DATE	DATE
SCALE NONE	MICROFILM DATE	DWG. NO. XS-2 BMP	
P.A. #			

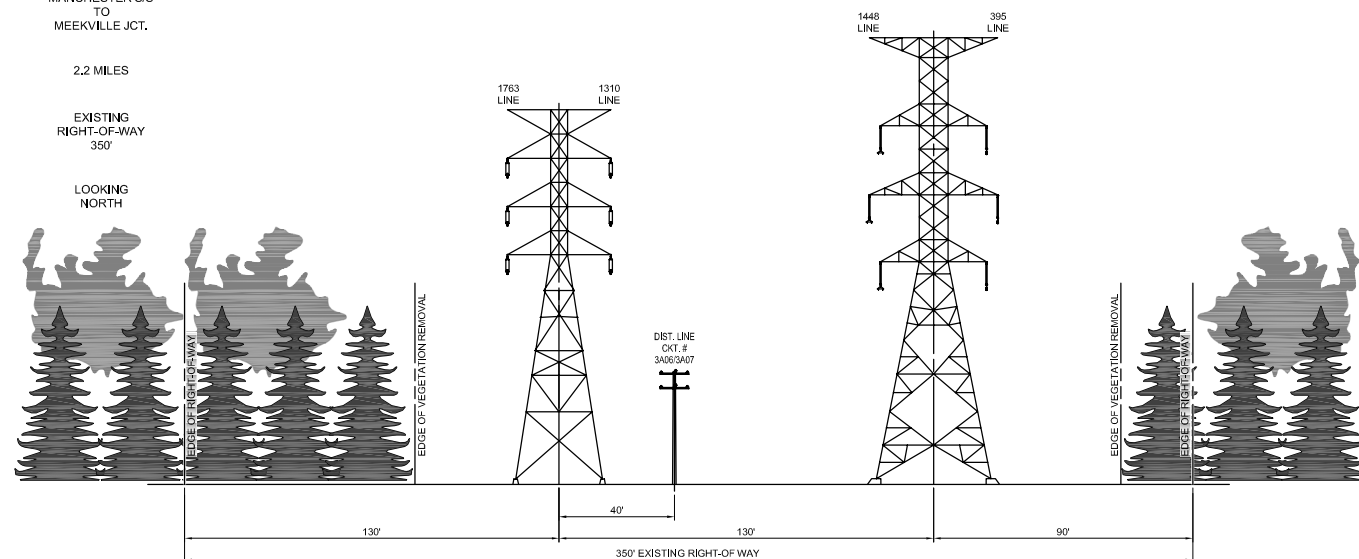
Note: This page intentionally left blank

EXISTING LAYOUT
MANCHESTER S/S
TO
MEEKVILLE JCT.

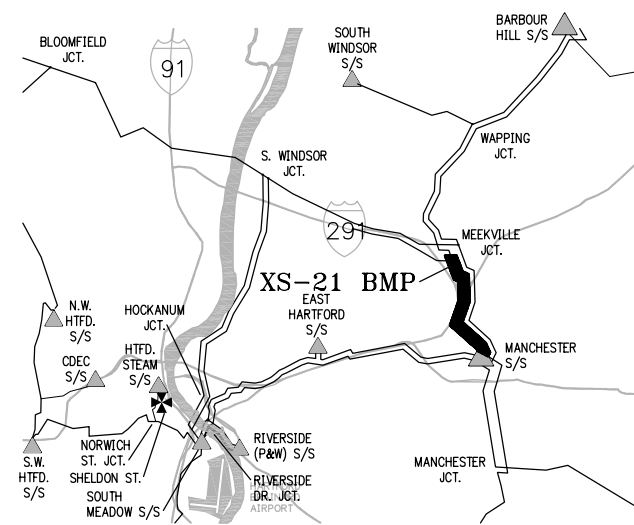
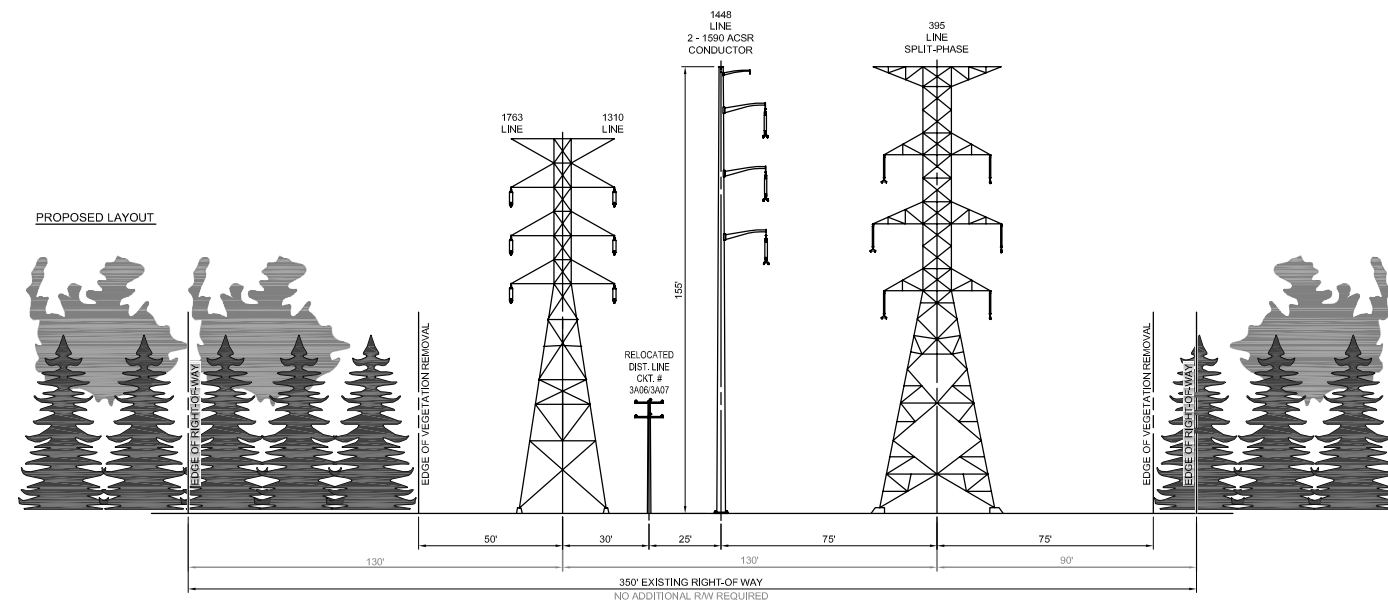
2.2 MILES

EXISTING
RIGHT-OF-WAY
350'

LOOKING
NORTH



PROPOSED LAYOUT



KEY MAP
NOT TO SCALE



PRELIMINARY -
SUBJECT TO CHANGE



TITLE **GREATER SPRINGFIELD RELIABILITY PROJECT
PROPOSED CROSS SECTIONS
MANCHESTER S/S TO MEEKVILLE JCT.**

BY J. LIGHTNER	CHKD P.M. WILLIAMS	APP	APP
DATE 9/15/08	DATE	DATE	DATE
SCALE NONE	MICROFILM DATE	DWG. NO. XS-21 BMP	
P.A. #			

NOTES:

- STRUCTURE HEIGHTS WERE DETERMINED FROM TYPICAL EXPECTED SPANS. TOWER HEIGHTS ARE SUBJECT TO CHANGE WITH THE COMPLETION OF FINAL DESIGN.
- STREAMS, BUILDINGS AND OTHER OBSTRUCTIONS MAY REQUIRE VARIANCES FROM TYPICAL CROSS SECTION.
- DISTRIBUTION SHOULD BE CONSTRUCTED UTILIZING SPACER CABLE FOR COMPACT LAYOUTS.

Note: This page intentionally left blank

The Connecticut Portion of the Massachusetts Southern Route Alternative – Cross-Section Drawings, XS-S05 and XS-S07

Greater Springfield Reliability Project
Connecticut River to Structure 2002 in the Town of Suffield
Transmission Rights-of-Way
Typical Cross Section XS-S05

The existing structures will remain and a line of new 345-kV H-Frame structures would be installed.

(Existing Transmission Right-of-Way Configuration)



(Simulation of the Proposed Transmission Right-of-Way Configuration)



Existing electric transmission structures looking west from Mapleton Street, south east of South Agawam Switching Station.

Proposed electric transmission structures looking west from Mapleton Street, south east of South Agawam Switching Station.

NOTE: See Drawing XS-S05 for a representation of the typical transmission structures, typical heights of the structures, and ROW width for this cross section.

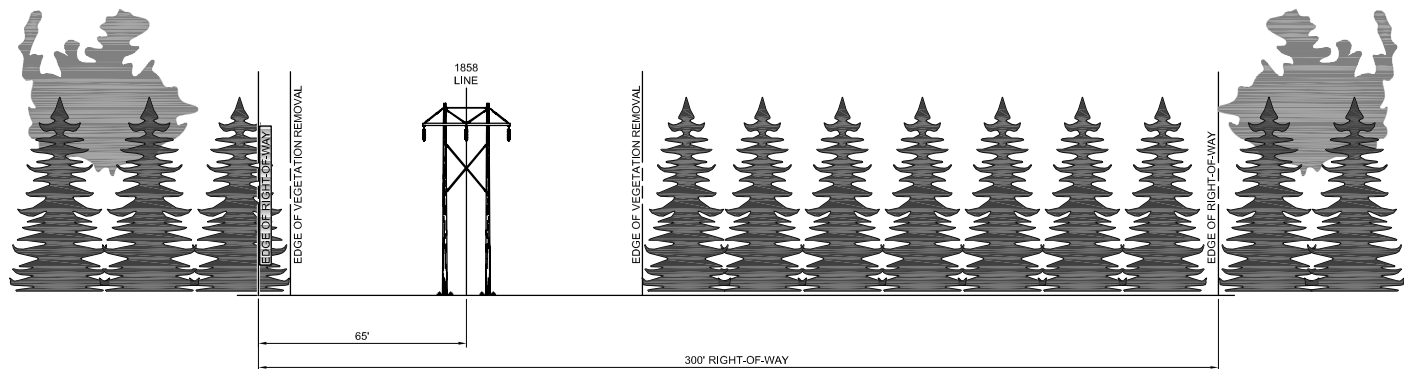
EXISTING LAYOUT

CT/MA BORDER
TO
CT RIVER/
CT/MA BORDER

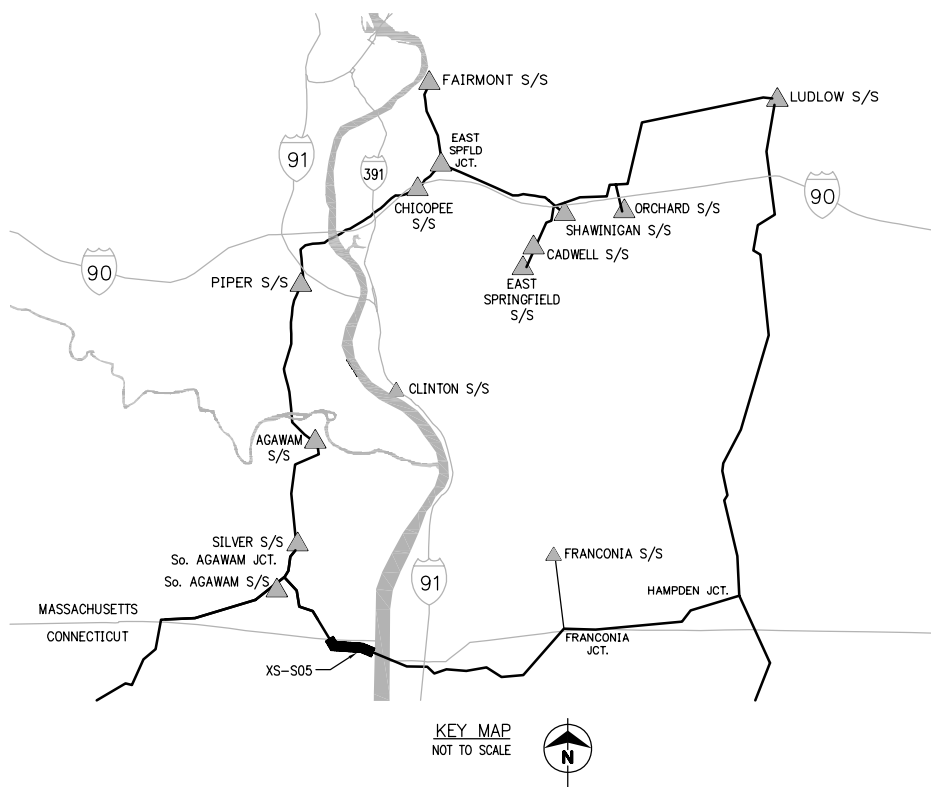
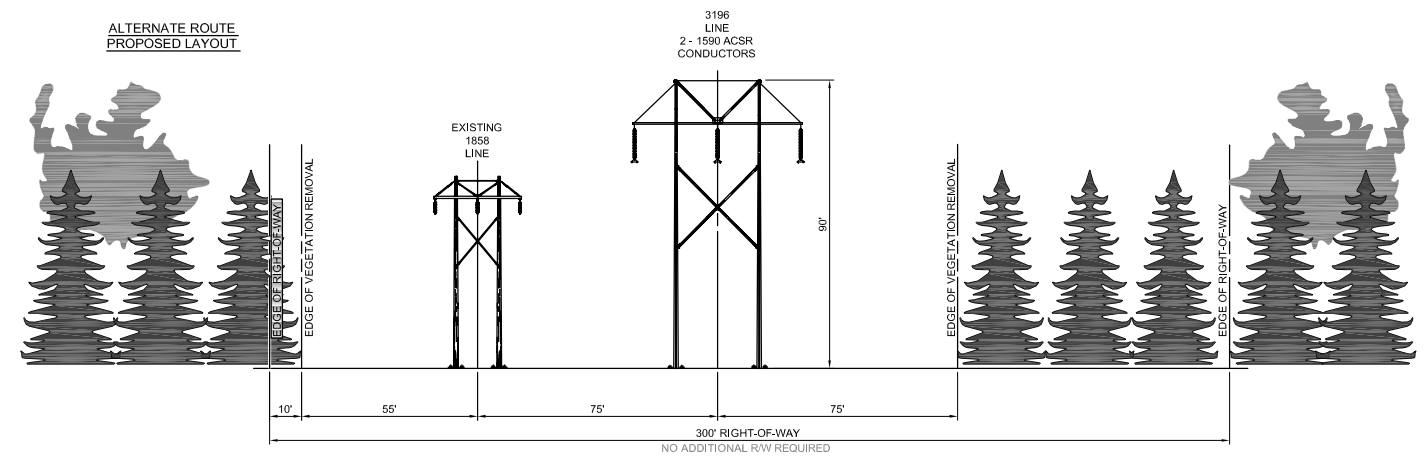
1.1 MILES

EXISTING
RIGHT-OF-WAY
300'

LOOKING
EAST



ALTERNATE ROUTE
PROPOSED LAYOUT



**PRELIMINARY -
SUBJECT TO CHANGE**



TITLE
**GREATER SPRINGFIELD RELIABILITY PROJECT
ALTERNATE ROUTE PROPOSED CROSS SECTIONS
CT/MA BORDER TO CT RIVER/CT/MA BORDER**

BY J. LIGHTNER	CHKD P.M. WILLIAMS	APP	APP
DATE 9/15/08	DATE	DATE	DATE
SCALE NONE	MICROFILM DATE	DWG. NO. XS-S05	
P.A. #			

Greater Springfield Reliability Project
Brainard Road to Route 918 in the Town of Enfield
Transmission Rights-of-Way
Typical Cross Section XS-S07

The existing structures will remain and new 345-kV horizontal structures would be installed.

(Existing Transmission Right-of-Way Configuration)



(Simulation of the Proposed Transmission Right-of-Way Configuration)



Existing electric transmission structures looking west from Bright Meadow Road Boulevard and Enfield Street, in Enfield, Connecticut.

Proposed electric transmission structures looking west from Bright Meadow Road Boulevard and Enfield Street, in Enfield, Connecticut.

NOTE: See Drawing XS-S07 for a representation of the typical transmission structures, typical heights of the structures, and ROW width for this cross section.

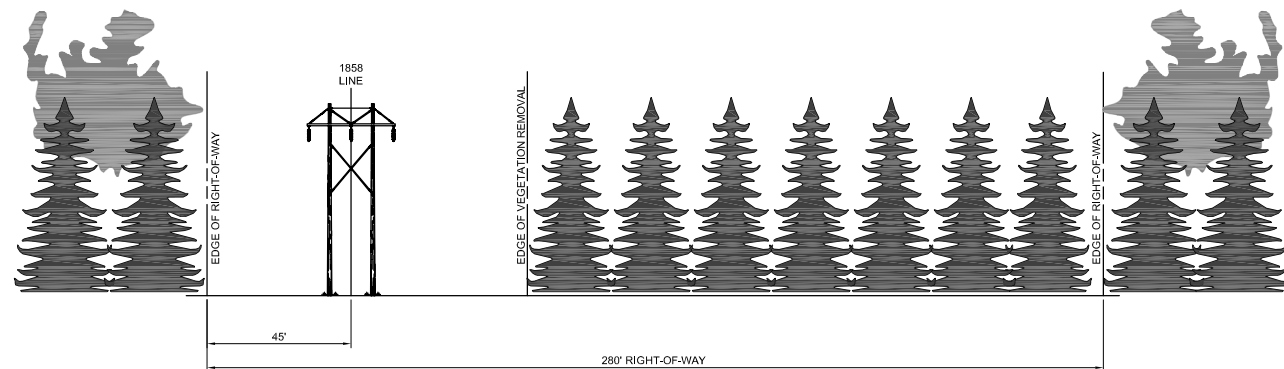
EXISTING LAYOUT

MA/CT BORDER
TO
MA/CT BORDER/
FRANCONIA JCT.

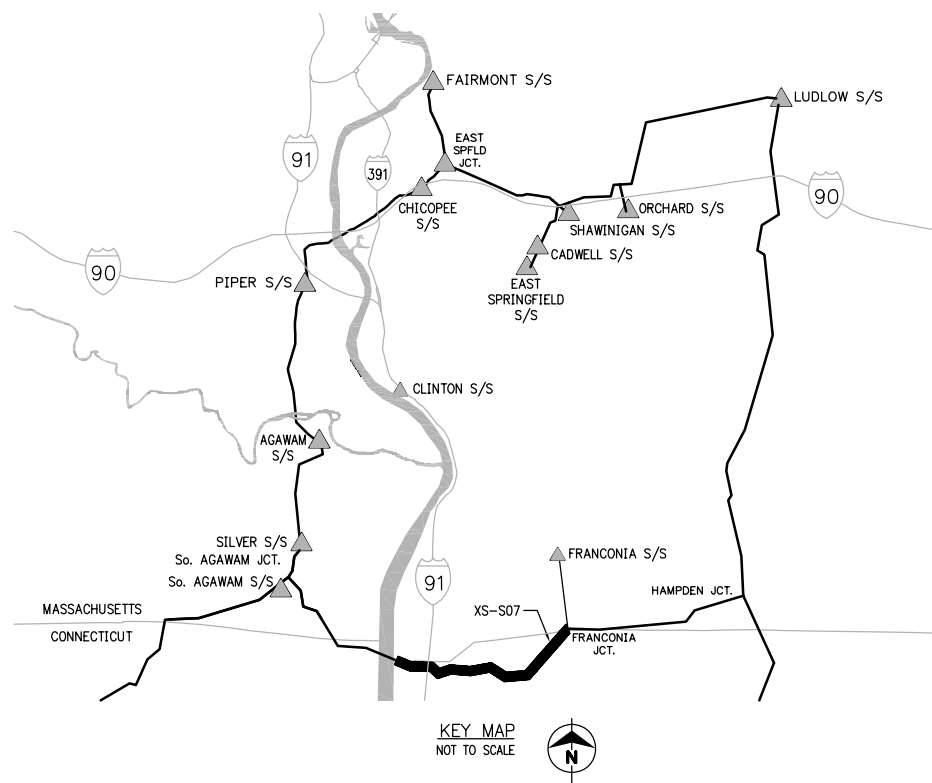
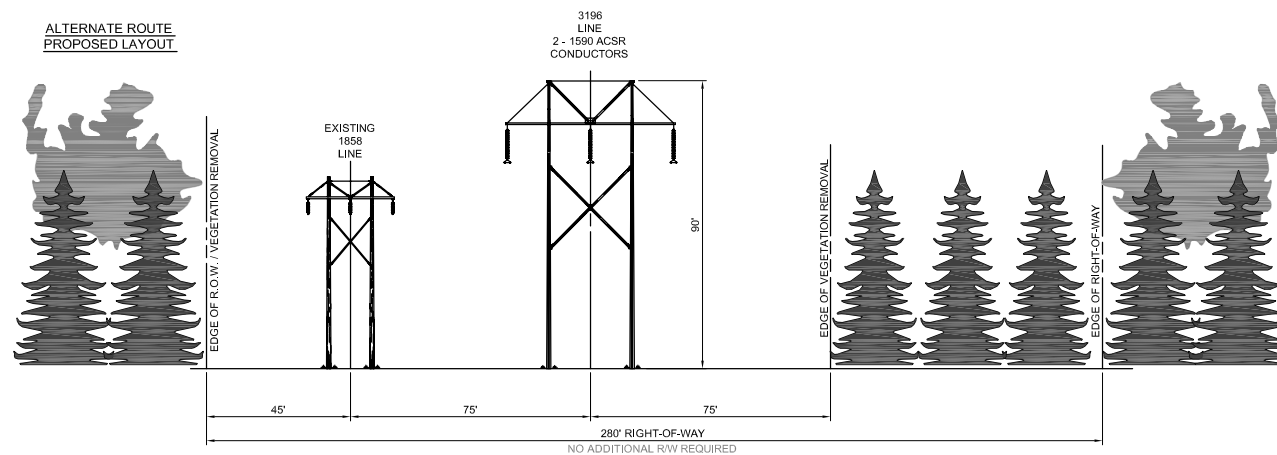
4.3 MILES

EXISTING
RIGHT-OF-WAY
280'-300'

LOOKING
EAST



**ALTERNATE ROUTE
PROPOSED LAYOUT**



PRELIMINARY -
SUBJECT TO CHANGE



TITLE
GREATER SPRINGFIELD RELIABILITY PROJECT
ALTERNATE ROUTE PROPOSED CROSS SECTIONS
MA/CT BORDER TO MA/CT BORDER/FANCONIA JCT.

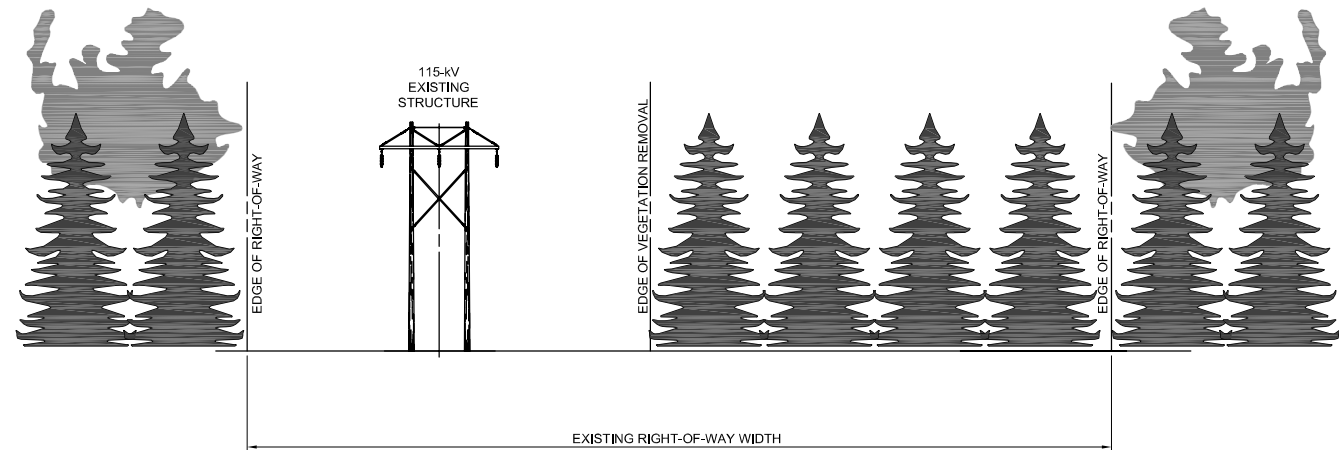
BY J. LIGHTNER	CHKD P.M. WILLIAMS	APP	APP
DATE 9/15/08	DATE	DATE	DATE
SCALE NONE	MICROFILM DATE	DWG. NO. XS-S07	
P.A. #			

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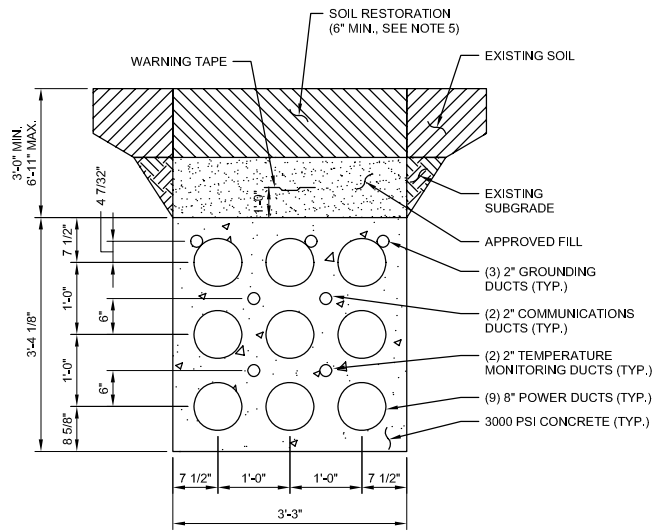
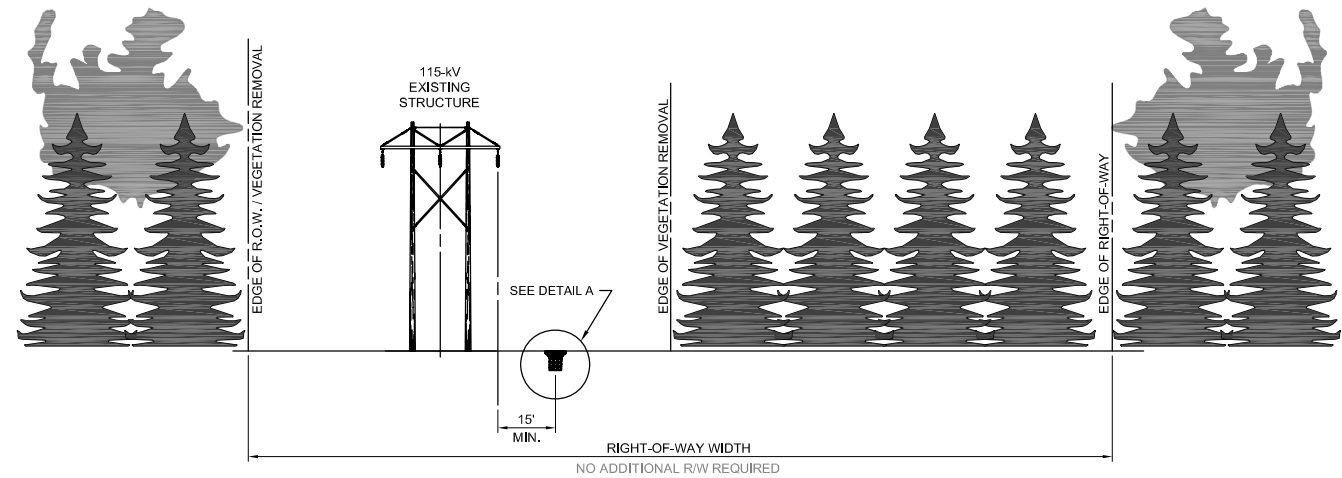
The Underground Line Route Variations in Connecticut – Cross-Section Drawings, XS-UG ROW and XS-UG ROAD

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EXISTING LAYOUT



**ALTERNATE UG LAYOUT
345-kV UG IN EXISTING R.O.W.**



DETAIL A
TYPICAL DUCT BANK
NOT TO SCALE

NOTES:

1. EXISTING STRUCTURES TO REMAIN.
2. 1821 & 1836 TO BE RECONFIGURED INTO A SINGLE CIRCUIT.
3. LOCATION OF DUCT BANK SHOWN IS TYPICAL. DUCT BANK LOCATION MAY CHANGE WITH TERRAIN AND AS OBSTACLES ARE ENCOUNTERED.
4. EXISTING STRUCTURE SHOWN IS FOR REFERENCE ONLY. ACTUAL STRUCTURES LAYOUT WILL VARY BY LOCATION.
5. SOIL RESTORATION DEPTH WILL BE INCREASED FOR CULTIVATED FIELDS AND OTHER LOCATIONS AS REQUIRED.

**PRELIMINARY -
SUBJECT TO CHANGE**

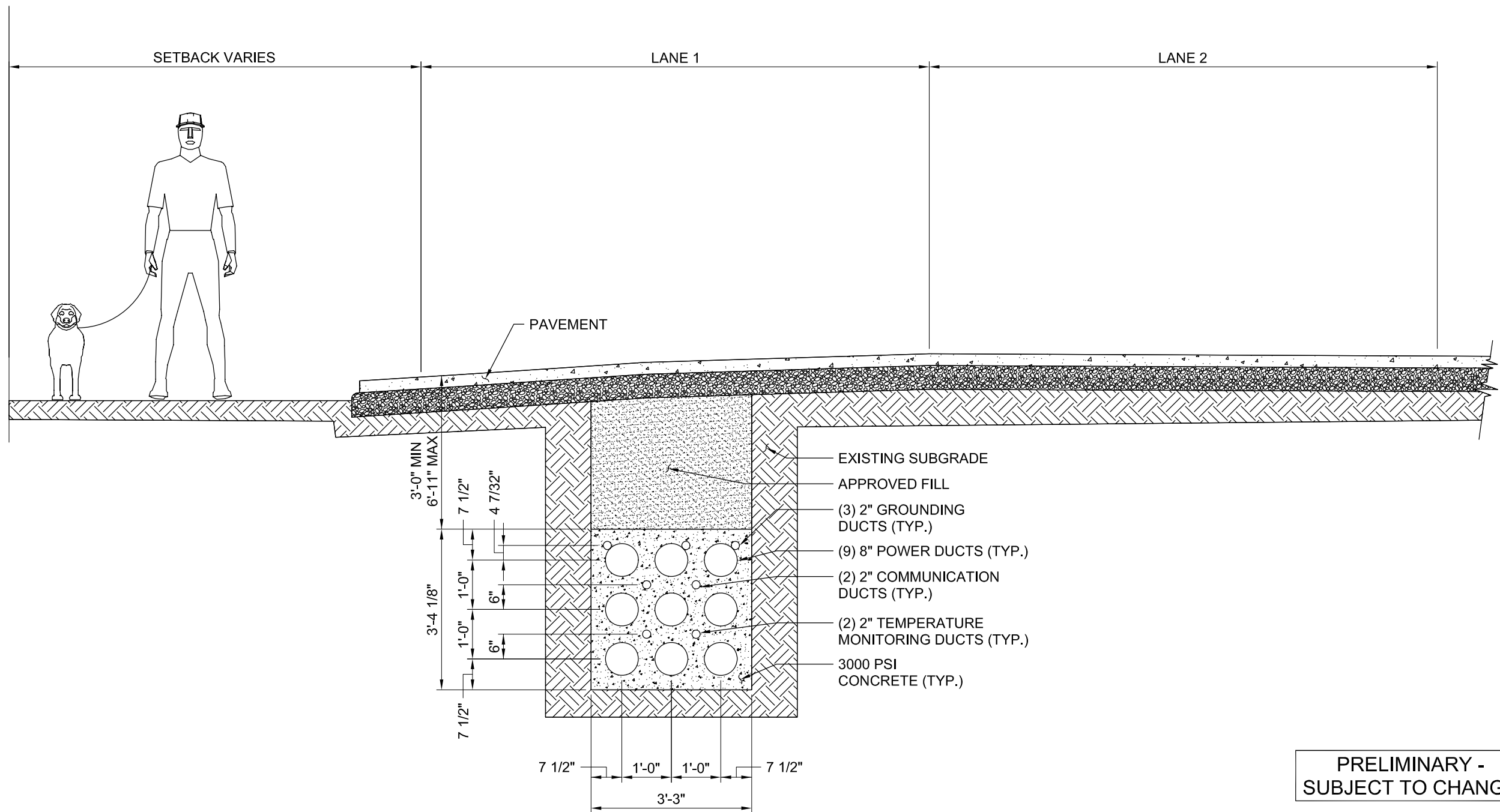


TITLE GREATER SPRINGFIELD RELIABILITY PROJECT
345-kV UNDERGROUND ALTERNATIVE CROSS SECTIONS
345-kV UNDERGROUND IN EXISTING RIGHT-OF-WAY

BY J. LIGHTNER	CHKD P.M. WILLIAMS	APP	APP
DATE 9/16/08	DATE	DATE	DATE
SCALE NONE	MICROFILM DATE	DWG. NO. XS-UG ROW	
P.A. #			

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ALTERNATE UG LAYOUT
345-kV UG IN ROAD



PRELIMINARY -
SUBJECT TO CHANGE



TITLE **GREATER SPRINGFIELD RELIABILITY PROJECT**
345-kV UNDERGROUND ALTERNATIVE CROSS SECTIONS
345-kV UNDERGROUND IN EXISTING ROAD

BY J. LIGHTNER	CHKD P.M. WILLIAMS	APP	APP
DATE 9/19/08	DATE	DATE	DATE
SCALE NONE	MICROFILM DATE	DWG. NO. XS-UG ROAD	
P.A. #			

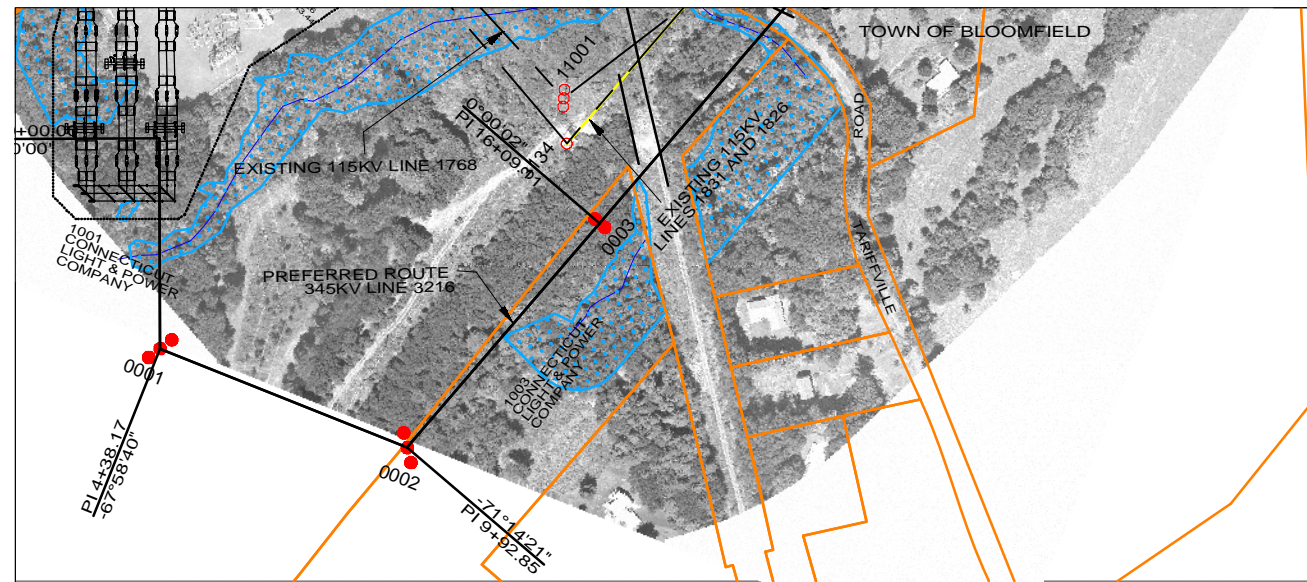
N:\PROJECTS\45700\Drawings\Drawings\345-kV UG IN ROAD\345-kV UG IN ROAD.dwg (2008-09-19 11:24 AM) BMM

EX.2: Plan & Profile Drawings

INTRODUCTION

The Plan and Profile drawings show an overhead view (plan) and an elevation view (profile) of the Connecticut portion of the North Bloomfield to Agawam 345-kV Line Route facilities and the Manchester to Meekville Junction Circuit Separation Project. Only the segments of the preferred layout and routes with facilities in Connecticut are included in this section. The seventeen Plan and Profile drawings were produced using recent (2007) aerial photography, aerial survey data and PLS-CADD (a trademarked software product), a widely used computer program for designing transmission lines.

The Plan views are drawn at an approximate scale of one-inch equal to 400 feet. The profile views provide both the vertical elevation of the structures and the horizontal distance along the right-of-way. It is drawn at a dual scale of one-inch equal to 80 feet in the vertical direction and one-inch equal to 400 feet in the horizontal direction. This dual scale distorts the true scale of the structure heights, making them appear taller. This is done to exaggerate the details of the transmission structures and ground elevations. Additionally, the drawings show the elevation of vegetation that abuts the right-of-way.



LEGEND

PROPOSED 115 OR 345KV CENTERLINE		PROPOSED STRUCTURE	
EXISTING TRANSMISSION CENTERLINE		STRUCTURE REMAIN	
LINE OF LOCATION		STRUCTURE REMOVE	
EXISTING ROW		WIRE CROSSING	
PROPOSED ROW		WETLANDS	
PROPERTY LINE		WATER	
TOWN BOUNDARY		SPECIES HABITAT	
		GND PROFILE LEFT 15'	
		GND PROFILE CENTER	
		GND PROFILE RIGHT 15'	

VERTICAL SCALE IN FEET: 0 to 80

HORIZONTAL SCALE IN FEET: 0 to 400

		PRELIMINARY DESIGN			
		SUBJECT TO CHANGE			
C	09/19/08	PRELIMINARY LAYOUT CSC APPLICATION	NHZ	PMW	
B	04/24/08	PRELIMINARY LAYOUT WITH UPDATED ALIGNMENT	NHZ	PMW	
A	11/07/07	PRELIMINARY LAYOUT	NHZ	PMW	
NO.	DATE	DESIGN REVISIONS	BY	CHK	APP APP

SINCE 1898

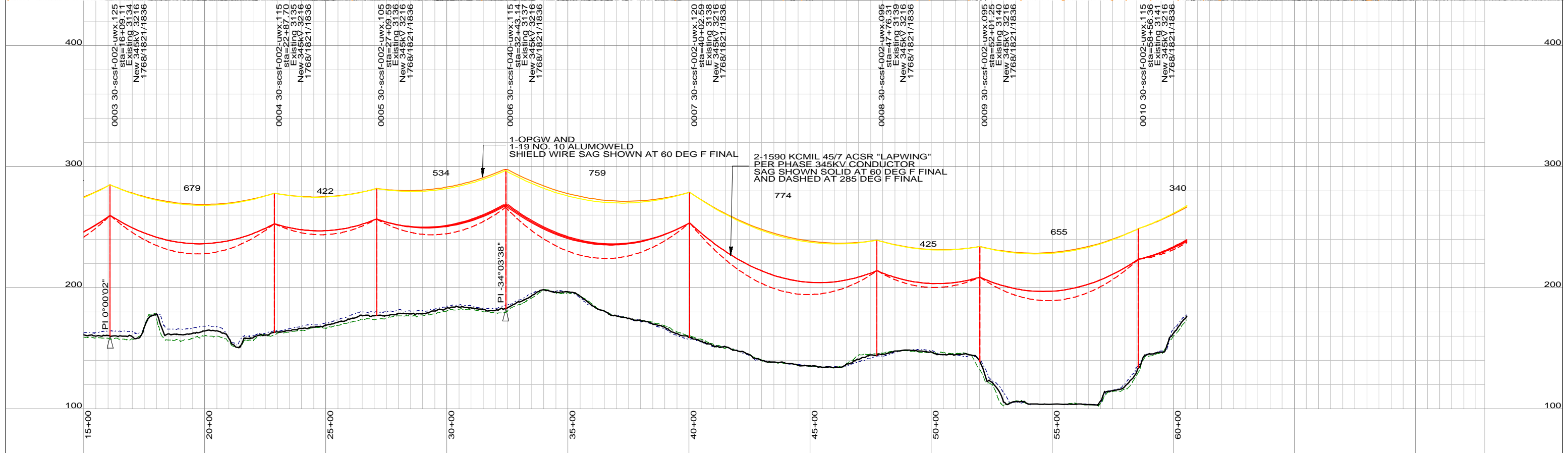
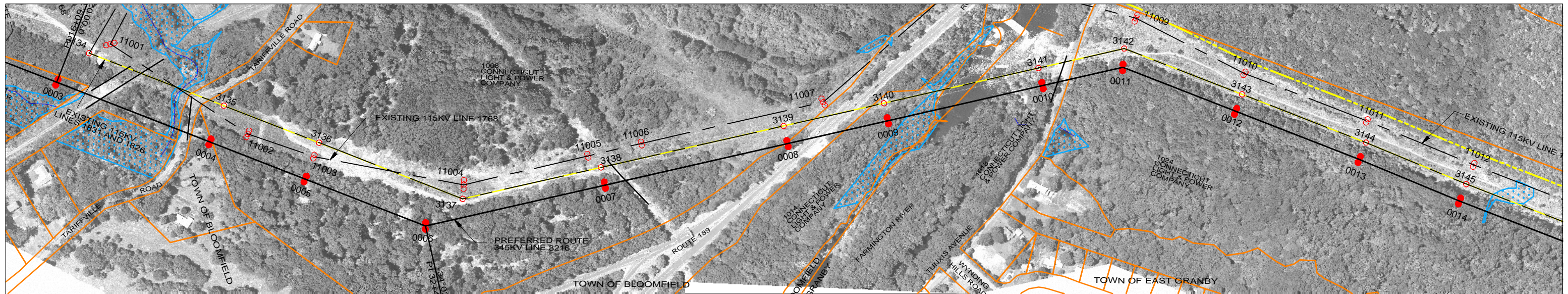
date 9/19/2008	detailed N. ZLATANOVA
designed P. WILLIAMS	checked P. WILLIAMS

FOR CONNECTICUT LIGHT & POWER

TITLE GREATER SPRINGFIELD RELIABILITY PROJECT

N. BLOOMFIELD TO CT/MA BORDER PLAN & PROFILES SHEET 1 OF 13

BY	BMcD	CHKD	APP	APP
DATE	9/19/2008	DATE	DATE	DATE
V-SCALE	1":80'	SIZE	B	FIELD BOOK & PAGES
H-SCALE	1":400'	V.S.		R.E.DWG. NO.
R.E. PROJ. NUMBER	45709			NUSCO DWG NO.



LEGEND

PROPOSED 115 OR 345KV CENTERLINE	—	PROPOSED STRUCTURE	●
EXISTING TRANSMISSION CENTERLINE	- - -	STRUCTURE REMAIN	○
LINE OF LOCATION	—	STRUCTURE REMOVE	⊗
EXISTING ROW	—	WIRE CROSSING	+
PROPOSED ROW	—	WETLANDS	
PROPERTY LINE	—	WATER	
TOWN BOUNDARY	—	SPECIES HABITAT	
		GND PROFILE LEFT 15'	—
		GND PROFILE CENTER	—
		GND PROFILE RIGHT 15'	—

VERTICAL SCALE IN FEET: 0 to 80

HORIZONTAL SCALE IN FEET: 0 to 400

**PRELIMINARY DESIGN
SUBJECT TO CHANGE**

NO.	DATE	DESIGN REVISIONS	BY	CHK	APP	APP
C	09/19/08	PRELIMINARY LAYOUT CSC APPLICATION	NHZ	PMW		
B	04/24/08	PRELIMINARY LAYOUT WITH UPDATED ALIGNMENT	NHZ	PMW		
A	11/07/07	PRELIMINARY LAYOUT	NHZ	PMW		

Burns & McDonnell
SINCE 1898

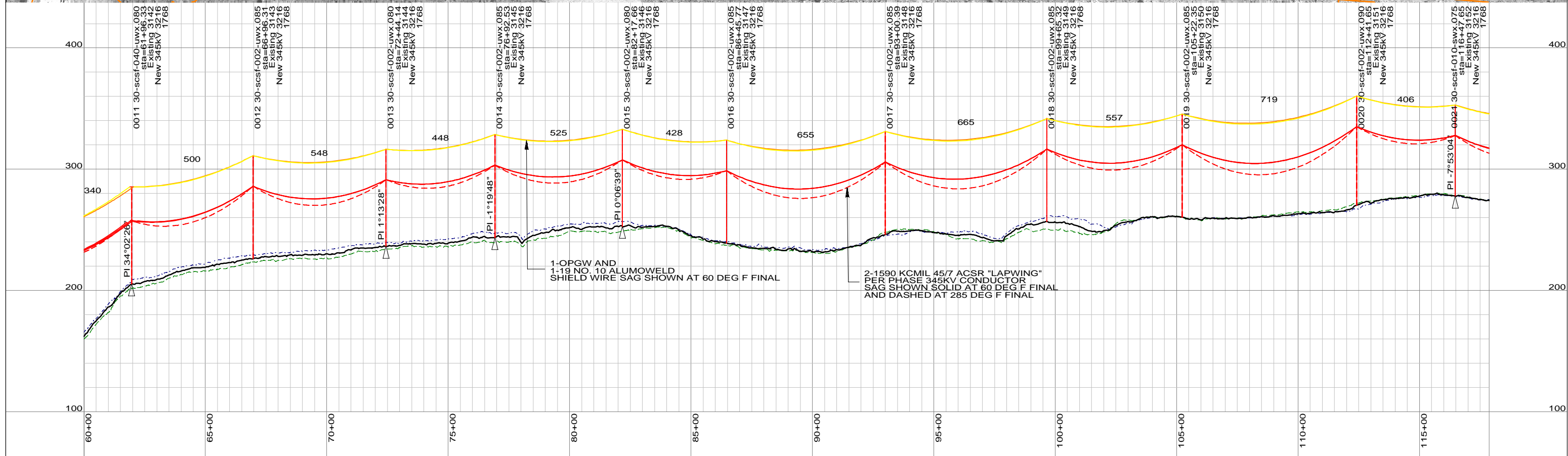
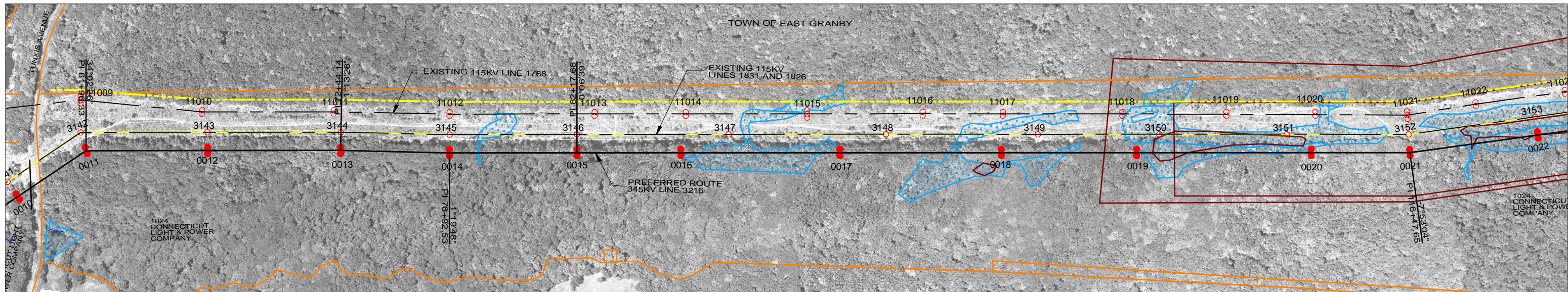
date: 9/19/2008
designed: P. WILLIAMS

detailed: N. ZLATANOVA
checked: P. WILLIAMS

Northeast Utilities Service Co.
FOR CONNECTICUT LIGHT & POWER

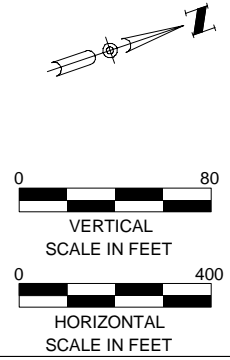
TITLE GREATER SPRINGFIELD RELIABILITY PROJECT
N. BLOOMFIELD TO CT/MA BORDER PLAN & PROFILES SHEET 2 OF 13

BY	BMCD	CHKD	APP	APP
DATE	9/19/2008	DATE	DATE	DATE
V-SCALE	1"=80'	SIZE	B	FIELD BOOK & PAGES
H-SCALE	1"=400'	V.S.		R.E.DWG. NO.
R.E. PROJ. NUMBER	45709			NUSCO DWG NO.



LEGEND

PROPOSED 115 OR 345KV CENTERLINE	—	PROPOSED STRUCTURE	●
EXISTING TRANSMISSION CENTERLINE	- - -	STRUCTURE REMAIN	○
LINE OF LOCATION	—	STRUCTURE REMOVE	⊗
EXISTING ROW	—	WIRE CROSSING	+
PROPOSED ROW	—	WETLANDS	
PROPERTY LINE	—	WATER	
TOWN BOUNDARY	—	SPECIES HABITAT	
		GND PROFILE LEFT 15'	- - -
		GND PROFILE CENTER	—
		GND PROFILE RIGHT 15'	- - -



		PRELIMINARY DESIGN SUBJECT TO CHANGE			
C	09/19/08	PRELIMINARY LAYOUT CSC APPLICATION	NHZ	PMW	
B	04/24/08	PRELIMINARY LAYOUT WITH UPDATED ALIGNMENT	NHZ	PMW	
A	11/07/07	PRELIMINARY LAYOUT	NHZ	PMW	
NO.	DATE	DESIGN REVISIONS	BY	CHK	APP



date 9/19/2008
designed P. WILLIAMS
detailed N. ZLATANOVA
checked P. WILLIAMS

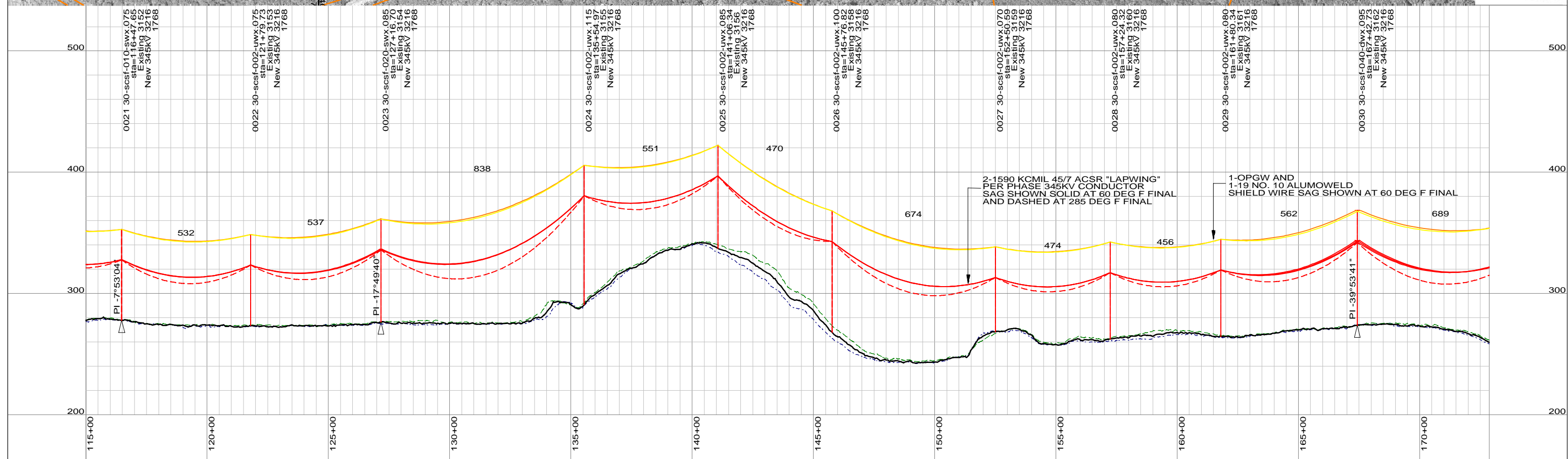
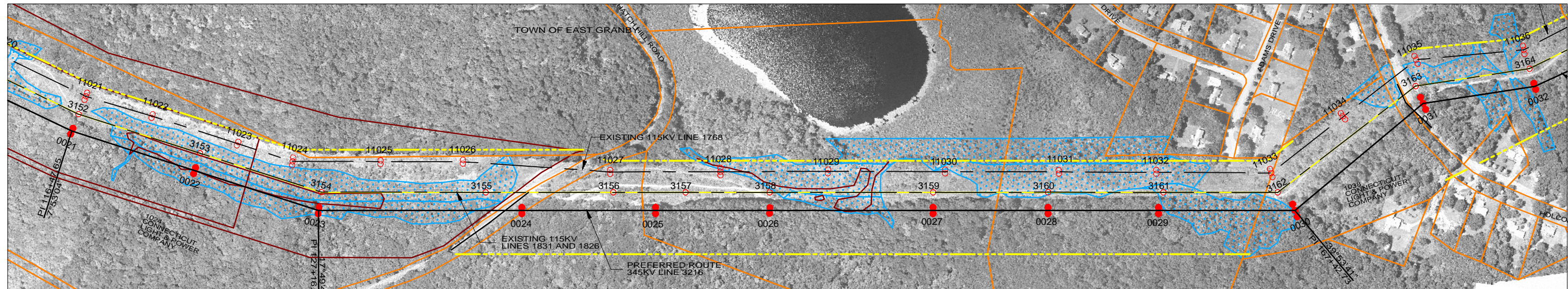


Northeast Utilities Service Co.

FOR CONNECTICUT LIGHT & POWER


TITLE GREATER SPRINGFIELD RELIABILITY PROJECT
N. BLOOMFIELD TO CT/MA BORDER PLAN & PROFILES SHEET 3 OF 13

BY BMcD	CHKD	APP	APP
DATE 9/19/2008	DATE	DATE	DATE
V-SCALE 1":80'	SIZE B	FIELD BOOK & PAGES	
H-SCALE 1":400'	V.S.	R.E.DWG. NO.	
R.E. PROJ. NUMBER 45709	NUSCO DWG NO.		




LEGEND	
PROPOSED 115 OR 345KV CENTERLINE	—
EXISTING TRANSMISSION CENTERLINE	- - -
LINE OF LOCATION	—
EXISTING ROW	—
PROPOSED ROW	—
PROPERTY LINE	—
TOWN BOUNDARY	—
PROPOSED STRUCTURE	●
STRUCTURE REMAIN	○
STRUCTURE REMOVE	⊗
WIRE CROSSING	+
WETLANDS	~
WATER	~
SPECIES HABITAT	~
GND PROFILE LEFT 15'	—
GND PROFILE CENTER	—
GND PROFILE RIGHT 15'	—

PRELIMINARY DESIGN SUBJECT TO CHANGE						
NO.	DATE	DESIGN REVISIONS	BY	CHK	APP	APP
C	09/19/08	PRELIMINARY LAYOUT CSC APPLICATION	NHZ	PMW		
B	04/24/08	PRELIMINARY LAYOUT WITH UPDATED ALIGNMENT	NHZ	PMW		
A	11/07/07	PRELIMINARY LAYOUT	NHZ	PMW		



Burns & McDonnell
SINCE 1898

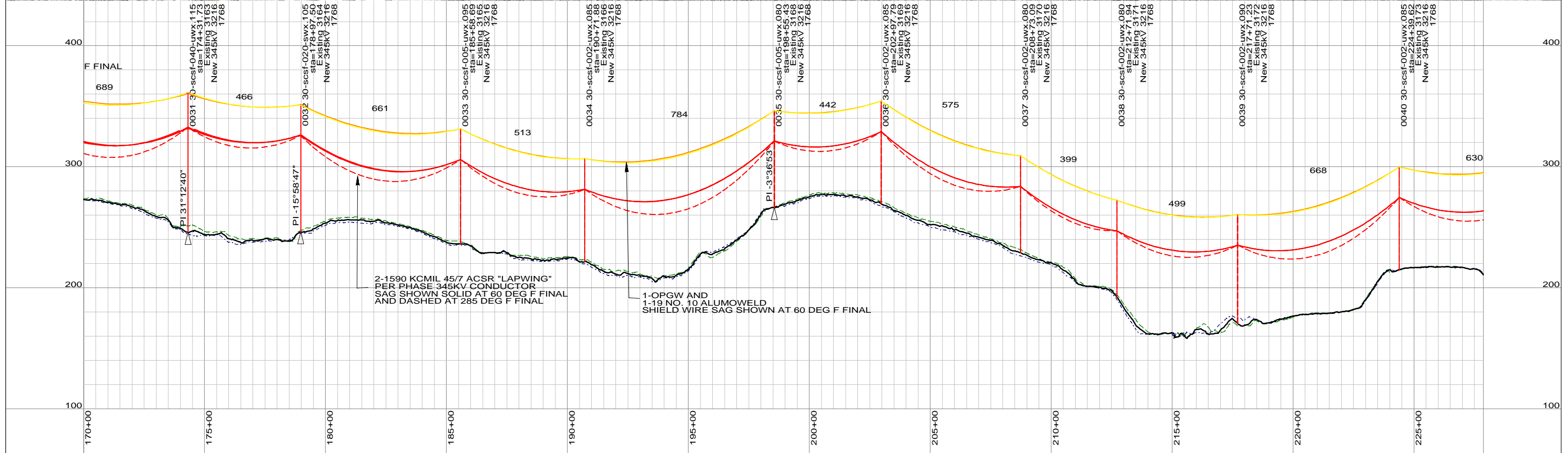
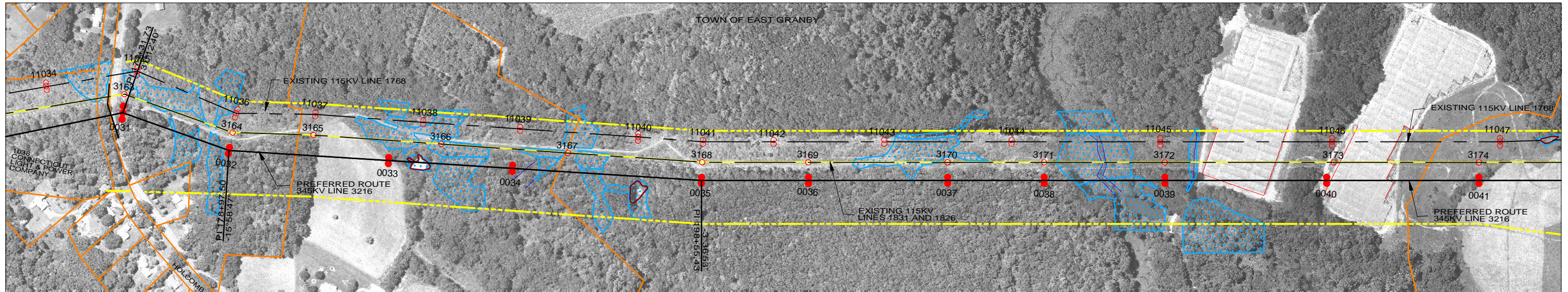
date	9/19/2008	detailed	N. ZLATANOVA
designed	P. WILLIAMS	checked	P. WILLIAMS



Northeast Utilities Service Co.
FOR CONNECTICUT LIGHT & POWER

TITLE GREATER SPRINGFIELD RELIABILITY PROJECT
N. BLOOMFIELD TO CT/MA BORDER PLAN & PROFILES SHEET 4 OF 13

BY	BMCD	CHKD	APP	APP
DATE	9/19/2008	DATE	DATE	DATE
V-SCALE	1":80'	SIZE	B	FIELD BOOK & PAGES
H-SCALE	1":400'	V.S.		R.E.DWG. NO.
R.E. PROJ. NUMBER	45709			NUSCO DWG NO.



LEGEND

PROPOSED 115 OR 345KV CENTERLINE	—	PROPOSED STRUCTURE	●
EXISTING TRANSMISSION CENTERLINE	- - -	STRUCTURE REMAIN	○
LINE OF LOCATION	—	STRUCTURE REMOVE	⊗
EXISTING ROW	—	WIRE CROSSING	+
PROPOSED ROW	—	WETLANDS	
PROPERTY LINE	—	WATER	
TOWN BOUNDARY	—	SPECIES HABITAT	
		GND PROFILE LEFT 15'	—
		GND PROFILE CENTER	—
		GND PROFILE RIGHT 15'	—

VERTICAL SCALE IN FEET

 HORIZONTAL SCALE IN FEET

**PRELIMINARY DESIGN
SUBJECT TO CHANGE**

NO.	DATE	DESIGN REVISIONS	BY	CHK	APP	APP
C	09/19/08	PRELIMINARY LAYOUT CSC APPLICATION		NHZ	PMW	
B	04/24/08	PRELIMINARY LAYOUT WITH UPDATED ALIGNMENT		NHZ	PMW	
A	11/07/07	PRELIMINARY LAYOUT		NHZ	PMW	

SINCE 1898

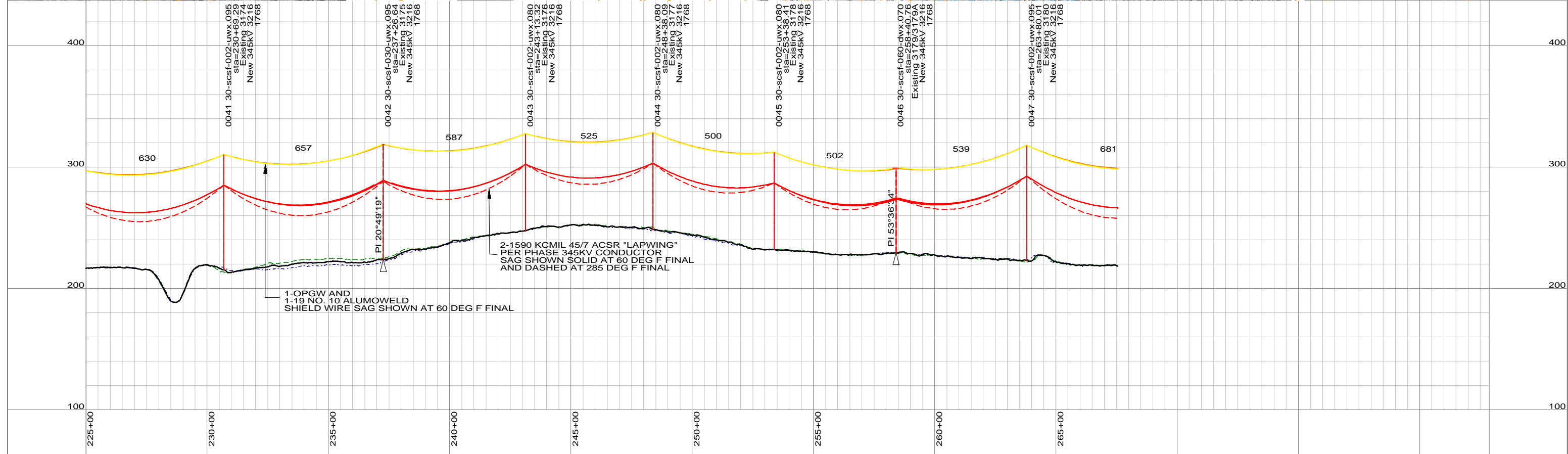
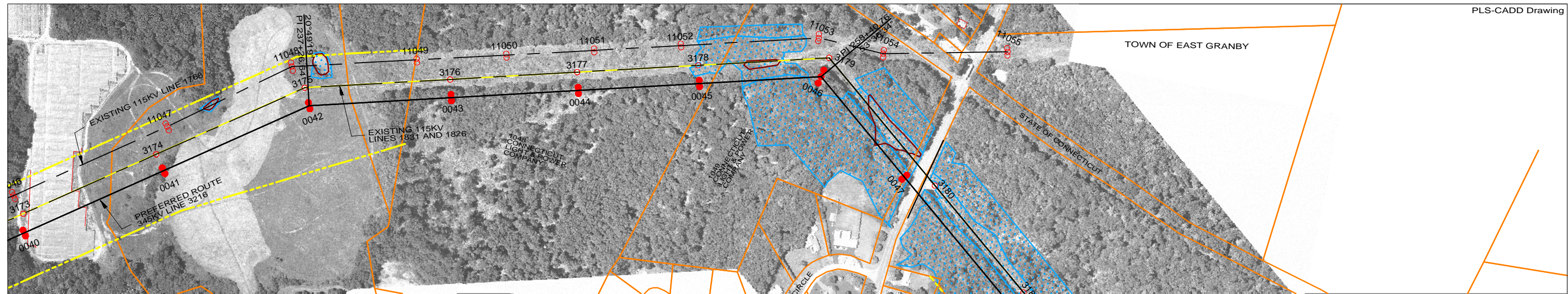
date	9/19/2008	detailed	N. ZLATANOVA
designed	P. WILLIAMS	checked	P. WILLIAMS

FOR CONNECTICUT LIGHT & POWER

TITLE GREATER SPRINGFIELD RELIABILITY PROJECT

N. BLOOMFIELD TO CT/MA BORDER PLAN & PROFILES SHEET 5 OF 13

BY	BMCD	CHKD	APP	APP
DATE	9/19/2008	DATE	DATE	DATE
V-SCALE	1":80'	SIZE	B	FIELD BOOK & PAGES
H-SCALE	1":400'	V.S.		R.E.DWG. NO.
R.E. PROJ. NUMBER	45709			NUSCO DWG NO.




LEGEND

PROPOSED 115 OR 345KV CENTERLINE	—	PROPOSED STRUCTURE	●
EXISTING TRANSMISSION CENTERLINE	- - -	STRUCTURE REMAIN	○
LINE OF LOCATION	—	STRUCTURE REMOVE	⊗
EXISTING ROW	—	WIRE CROSSING	+
PROPOSED ROW	—	WETLANDS	
PROPERTY LINE	—	WATER	
TOWN BOUNDARY	—	SPECIES HABITAT	
		GND PROFILE LEFT 15'	—
		GND PROFILE CENTER	—
		GND PROFILE RIGHT 15'	—


**PRELIMINARY DESIGN
SUBJECT TO CHANGE**

NO.	DATE	DESIGN REVISIONS	BY	CHK	APP	APP
C	09/19/08	PRELIMINARY LAYOUT CSC APPLICATION	NHZ	PMW		
B	04/24/08	PRELIMINARY LAYOUT WITH UPDATED ALIGNMENT	NHZ	PMW		
A	11/07/07	PRELIMINARY LAYOUT	NHZ	PMW		



Burns & McDonnell
SINCE 1898

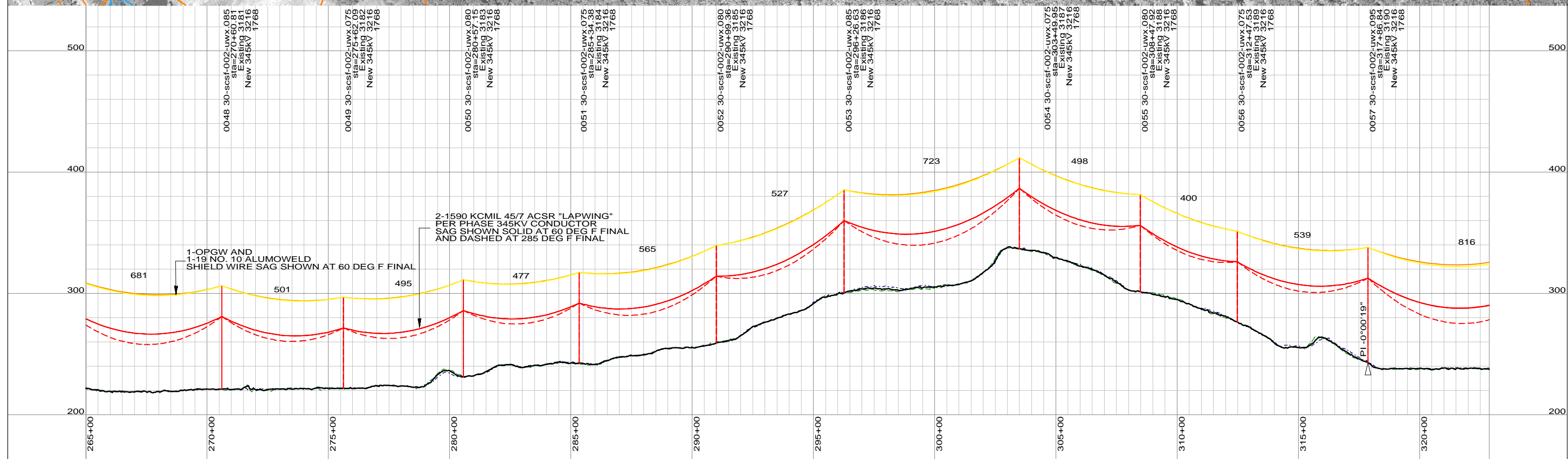
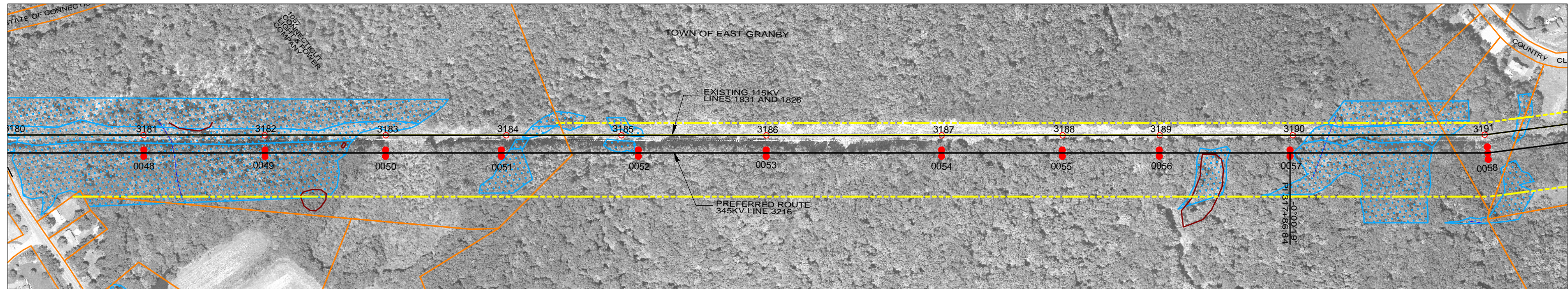
date 9/19/2008 designed P. WILLIAMS	detailed N. ZLATANOVA checked P. WILLIAMS
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Northeast Utilities Service Co.
FOR CONNECTICUT LIGHT & POWER

TITLE GREATER SPRINGFIELD RELIABILITY PROJECT
N. BLOOMFIELD TO CT/MA BORDER PLAN & PROFILES SHEET 6 OF 13

BY	BMcD	CHKD	APP	APP
DATE	9/19/2008	DATE	DATE	DATE
V-SCALE	1":80'	SIZE	B	
H-SCALE	1":400'	V.S.	FIELD BOOK & PAGES	
R.E. PROJ. NUMBER	45709		R.E.DWG. NO.	
			NUSCO DWG NO.	



LEGEND

PROPOSED 115 OR 345KV CENTERLINE	—	PROPOSED STRUCTURE	●
EXISTING TRANSMISSION CENTERLINE	- - -	STRUCTURE REMAIN	○
LINE OF LOCATION	—	STRUCTURE REMOVE	⊗
EXISTING ROW	—	WIRE CROSSING	+
PROPOSED ROW	—	WETLANDS	
PROPERTY LINE	—	WATER	
TOWN BOUNDARY	—	SPECIES HABITAT	
		GND PROFILE LEFT 15'	—
		GND PROFILE CENTER	—
		GND PROFILE RIGHT 15'	—

VERTICAL SCALE IN FEET: 0 to 80

HORIZONTAL SCALE IN FEET: 0 to 400

**PRELIMINARY DESIGN
SUBJECT TO CHANGE**

NO.	DATE	DESIGN REVISIONS	BY	CHK	APP	APP
C	09/19/08	PRELIMINARY LAYOUT CSC APPLICATION	NHZ	PMW		
B	04/24/08	PRELIMINARY LAYOUT WITH UPDATED ALIGNMENT	NHZ	PMW		
A	11/07/07	PRELIMINARY LAYOUT	NHZ	PMW		

SINCE 1898

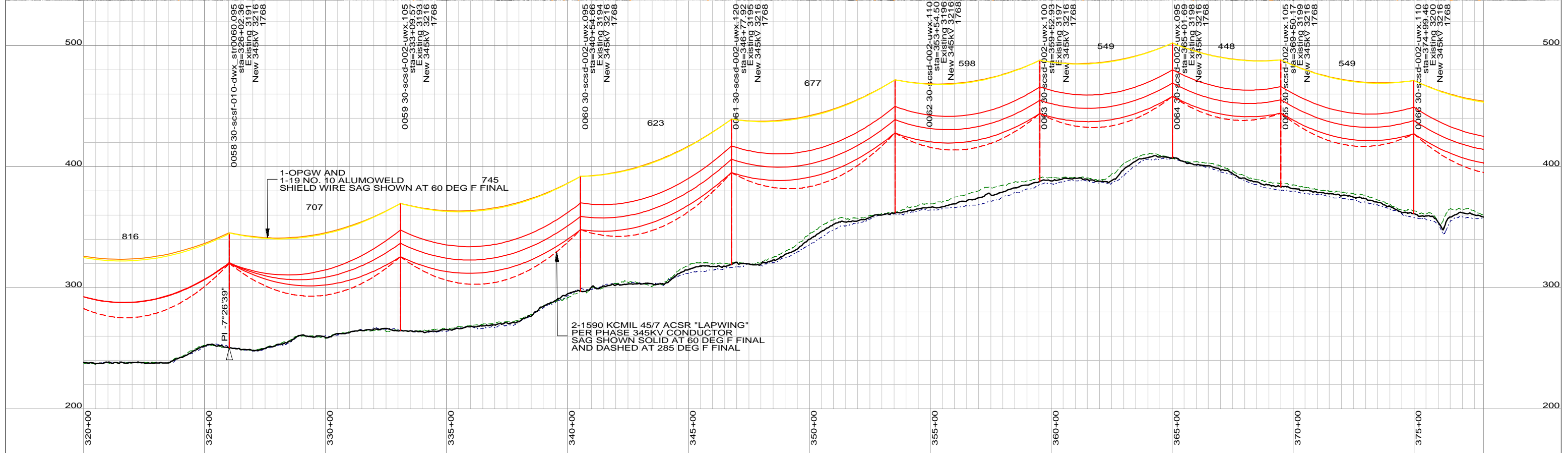
date	9/19/2008	detailed	N. ZLATANOVA
designed	P. WILLIAMS	checked	P. WILLIAMS

FOR CONNECTICUT LIGHT & POWER

TITLE GREATER SPRINGFIELD RELIABILITY PROJECT

N. BLOOMFIELD TO CT/MA BORDER PLAN & PROFILES SHEET 7 OF 13

BY	BMCD	CHKD	APP	APP
DATE	9/19/2008	DATE	DATE	DATE
V-SCALE	1":80'	SIZE	B	FIELD BOOK & PAGES
H-SCALE	1":400'	V.S.		R.E.DWG. NO.
R.E. PROJ. NUMBER	45709			NUSCO DWG NO.



LEGEND

PROPOSED 115 OR 345KV CENTERLINE	—	PROPOSED STRUCTURE	●
EXISTING TRANSMISSION CENTERLINE	- - -	STRUCTURE REMAIN	○
LINE OF LOCATION	—	STRUCTURE REMOVE	⊗
EXISTING ROW	—	WIRE CROSSING	+
PROPOSED ROW	—	WETLANDS	
PROPERTY LINE	—	WATER	
TOWN BOUNDARY	—	SPECIES HABITAT	
		GND PROFILE LEFT 15'	—
		GND PROFILE CENTER	—
		GND PROFILE RIGHT 15'	—

VERTICAL SCALE IN FEET: 0 to 80
HORIZONTAL SCALE IN FEET: 0 to 400

**PRELIMINARY DESIGN
SUBJECT TO CHANGE**

NO.	DATE	DESIGN REVISIONS	BY	CHK	APP	APP
C	09/19/08	PRELIMINARY LAYOUT CSC APPLICATION	NHZ	PMW		
B	04/24/08	PRELIMINARY LAYOUT WITH UPDATED ALIGNMENT	NHZ	PMW		
A	11/07/07	PRELIMINARY LAYOUT	NHZ	PMW		

Burns & McDonnell
SINCE 1898

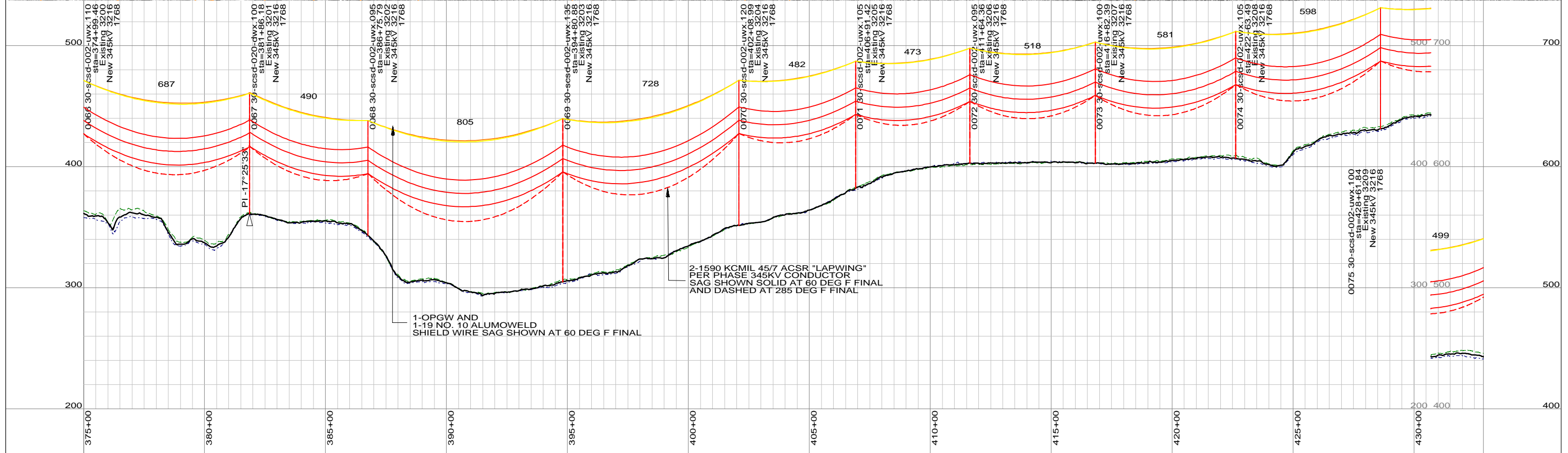
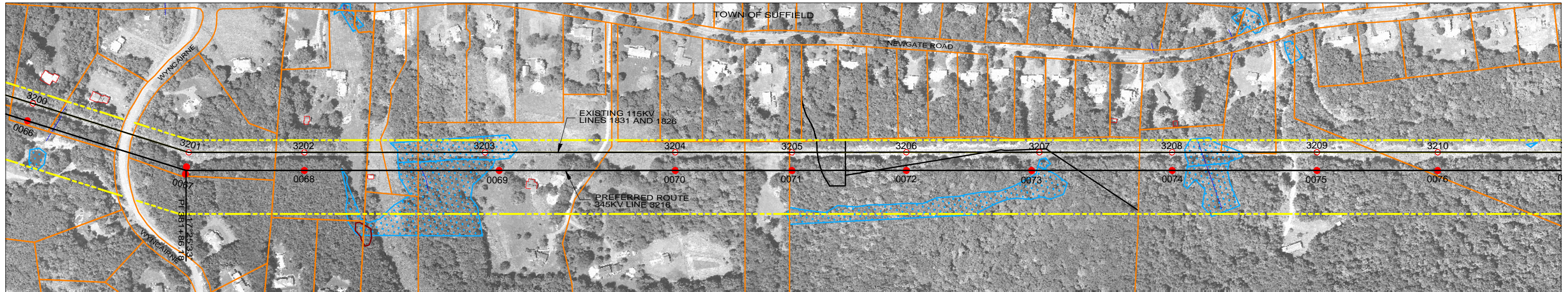
date 9/19/2008
designed P. WILLIAMS

detailed N. ZLATANOVA
checked P. WILLIAMS

Northeast Utilities Service Co.
FOR CONNECTICUT LIGHT & POWER

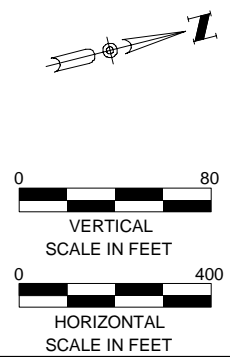
TITLE **GREATER SPRINGFIELD RELIABILITY PROJECT**
N. BLOOMFIELD TO CT/MA BORDER PLAN & PROFILES SHEET 8 OF 13

BY BMcD	CHKD	APP	APP
DATE 9/19/2008	DATE	DATE	DATE
V-SCALE 1"=80'	SIZE B	FIELD BOOK & PAGES	
H-SCALE 1"=400'	V.S.	R.E.DWG. NO.	
R.E. PROJ. NUMBER 45709	NUSCO DWG NO.		



LEGEND

PROPOSED 115 OR 345KV CENTERLINE	—	PROPOSED STRUCTURE	●
EXISTING TRANSMISSION CENTERLINE	- - -	STRUCTURE REMAIN	○
LINE OF LOCATION	—	STRUCTURE REMOVE	⊗
EXISTING ROW	—	WIRE CROSSING	+
PROPOSED ROW	—	WETLANDS	~
PROPERTY LINE	—	WATER	~
TOWN BOUNDARY	—	SPECIES HABITAT	~
		GND PROFILE LEFT 15'	—
		GND PROFILE CENTER	—
		GND PROFILE RIGHT 15'	—



**PRELIMINARY DESIGN
SUBJECT TO CHANGE**

NO.	DATE	DESIGN REVISIONS	BY	CHK	APP	APP
C	09/19/08	PRELIMINARY LAYOUT CSC APPLICATION	NHZ	PMW		
B	04/24/08	PRELIMINARY LAYOUT WITH UPDATED ALIGNMENT	NHZ	PMW		
A	11/07/07	PRELIMINARY LAYOUT	NHZ	PMW		



date 9/19/2008
designed P. WILLIAMS
detailed N. ZLATANOVA
checked P. WILLIAMS

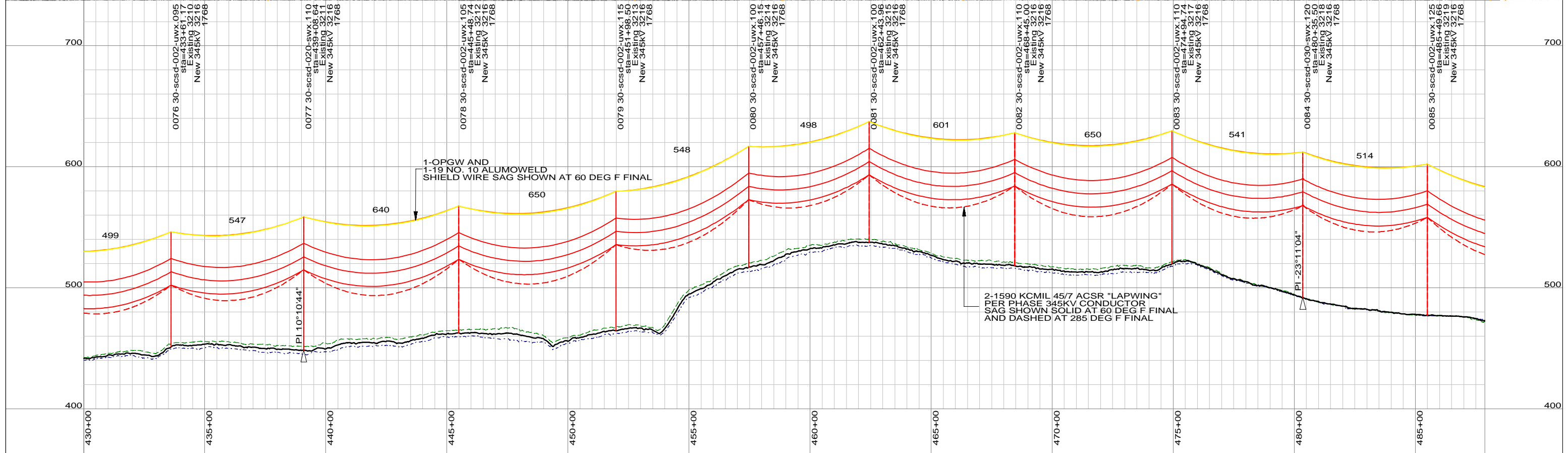


Northeast Utilities Service Co.

FOR CONNECTICUT LIGHT & POWER

TITLE GREATER SPRINGFIELD RELIABILITY PROJECT
N. BLOOMFIELD TO CT/MA BORDER PLAN & PROFILES SHEET 9 OF 13

BY	BMCD	CHKD	APP	APP
DATE	9/19/2008	DATE	DATE	DATE
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H-SCALE	1":400'	V.S.		R.E.DWG. NO.
R.E. PROJ. NUMBER	45709			NUSCO DWG NO.



LEGEND

PROPOSED 115 OR 345KV CENTERLINE	—	PROPOSED STRUCTURE	●
EXISTING TRANSMISSION CENTERLINE	- - -	STRUCTURE REMAIN	○
LINE OF LOCATION	—	STRUCTURE REMOVE	⊗
EXISTING ROW	—	WIRE CROSSING	+
PROPOSED ROW	—	WETLANDS	
PROPERTY LINE	—	WATER	
TOWN BOUNDARY	—	SPECIES HABITAT	
		GND PROFILE LEFT 15'	—
		GND PROFILE CENTER	—
		GND PROFILE RIGHT 15'	—

VERTICAL SCALE IN FEET: 0 to 80

HORIZONTAL SCALE IN FEET: 0 to 400

**PRELIMINARY DESIGN
SUBJECT TO CHANGE**

NO.	DATE	DESIGN REVISIONS	BY	CHK	APP	APP
C	09/19/08	PRELIMINARY LAYOUT CSC APPLICATION		NHZ	PMW	
B	04/24/08	PRELIMINARY LAYOUT WITH UPDATED ALIGNMENT		NHZ	PMW	
A	11/07/07	PRELIMINARY LAYOUT		NHZ	PMW	

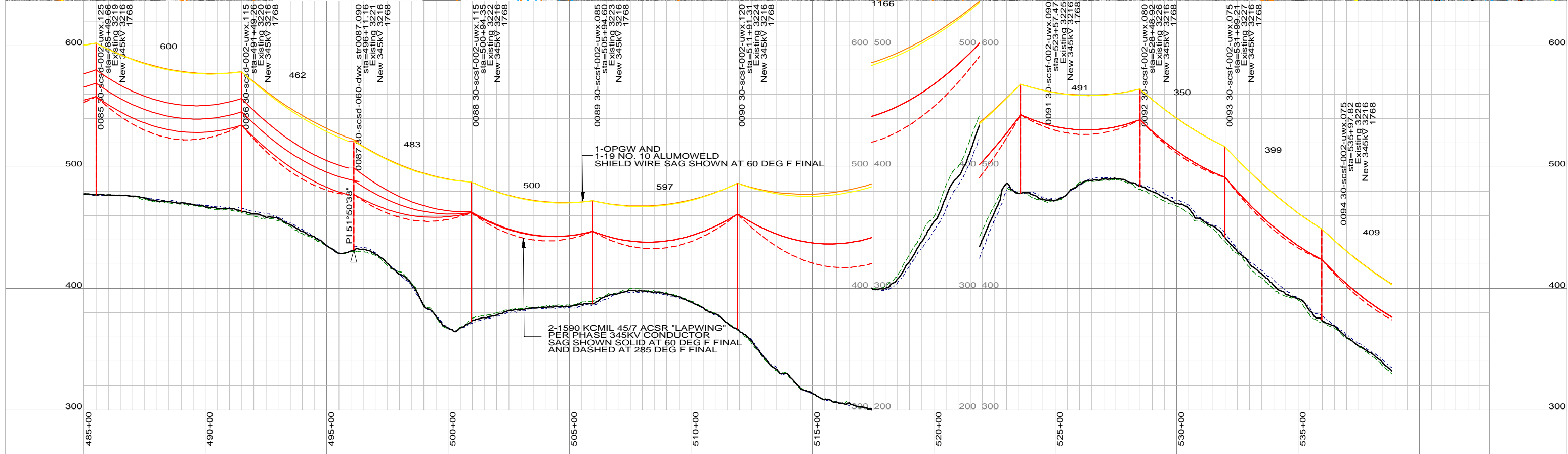
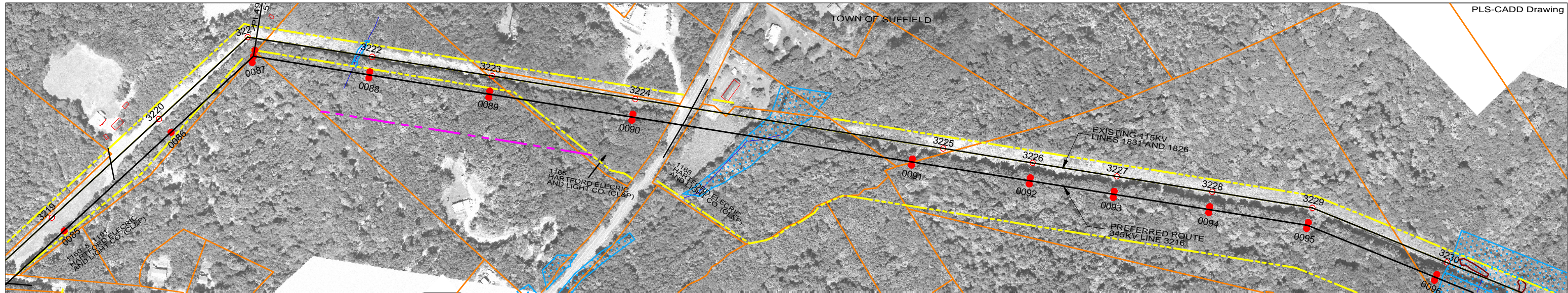
Burns & McDonnell
SINCE 1898

date: 9/19/2008
designed: P. WILLIAMS
detailed: N. ZLATANOVA
checked: P. WILLIAMS

Northeast Utilities Service Co.
FOR CONNECTICUT LIGHT & POWER

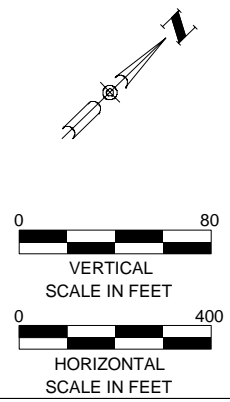
TITLE: GREATER SPRINGFIELD RELIABILITY PROJECT
N. BLOOMFIELD TO CT/MA BORDER PLAN & PROFILES SHEET 10 OF 13

BY: BMcD	CHKD:	APP:	APP:
DATE: 9/19/2008	DATE:	DATE:	DATE:
V-SCALE: 1"=80'	SIZE: B	FIELD BOOK & PAGES	
H-SCALE: 1"=400'	V.S.	R.E.DWG. NO.	
R.E. PROJ. NUMBER: 45709		NUSCO DWG NO.	



LEGEND

PROPOSED 115 OR 345KV CENTERLINE	—	PROPOSED STRUCTURE	●
EXISTING TRANSMISSION CENTERLINE	- - -	STRUCTURE REMAIN	○
LINE OF LOCATION	—	STRUCTURE REMOVE	⊗
EXISTING ROW	—	WIRE CROSSING	+
PROPOSED ROW	—	WETLANDS	~
PROPERTY LINE	—	WATER	~
TOWN BOUNDARY	—	SPECIES HABITAT	~
		GND PROFILE LEFT 15'	—
		GND PROFILE CENTER	—
		GND PROFILE RIGHT 15'	—



**PRELIMINARY DESIGN
SUBJECT TO CHANGE**

NO.	DATE	DESIGN REVISIONS	BY	CHK	APP	APP
C	09/19/08	PRELIMINARY LAYOUT CSC APPLICATION		NHZ	PMW	
B	04/24/08	PRELIMINARY LAYOUT WITH UPDATED ALIGNMENT		NHZ	PMW	
A	11/07/07	PRELIMINARY LAYOUT		NHZ	PMW	



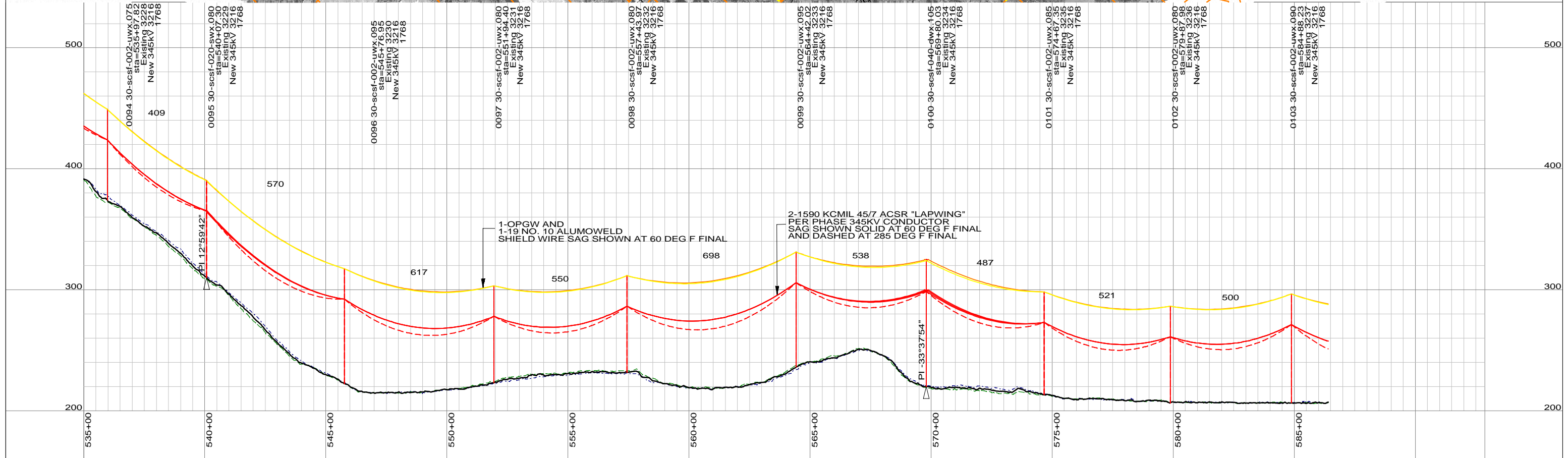
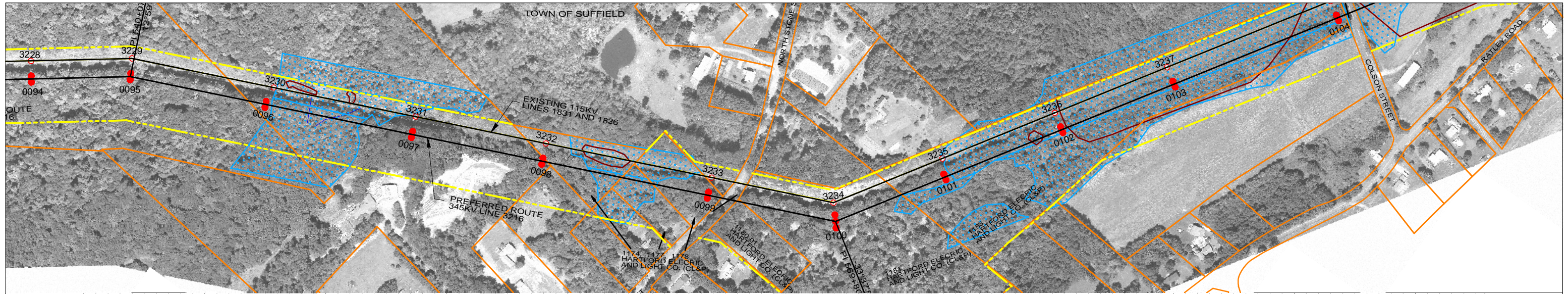
date 9/19/2008
designed P. WILLIAMS
detailed N. ZLATANOVA
checked P. WILLIAMS



Northeast Utilities Service Co.
FOR CONNECTICUT LIGHT & POWER

TITLE GREATER SPRINGFIELD RELIABILITY PROJECT
N. BLOOMFIELD TO CT/MA BORDER PLAN & PROFILES SHEET 11 OF 13

BY BMcD	CHKD	APP	APP
DATE 9/19/2008	DATE	DATE	DATE
V-SCALE 1":80'	SIZE B	FIELD BOOK & PAGES	
H-SCALE 1":400'	V.S.	R.E.DWG. NO.	
R.E. PROJ. NUMBER 45709	NUSCO DWG NO.		



LEGEND

PROPOSED 115 OR 345KV CENTERLINE	—	PROPOSED STRUCTURE	●
EXISTING TRANSMISSION CENTERLINE	- - -	STRUCTURE REMAIN	○
LINE OF LOCATION	—	STRUCTURE REMOVE	⊗
EXISTING ROW	—	WIRE CROSSING	+
PROPOSED ROW	—	WETLANDS	~
PROPERTY LINE	—	WATER	~
TOWN BOUNDARY	—	SPECIES HABITAT	~
		GND PROFILE LEFT 15'	—
		GND PROFILE CENTER	—
		GND PROFILE RIGHT 15'	—

0 80
VERTICAL SCALE IN FEET

0 400
HORIZONTAL SCALE IN FEET

**PRELIMINARY DESIGN
SUBJECT TO CHANGE**

NO.	DATE	DESIGN REVISIONS	BY	CHK	APP	APP
C	09/19/08	PRELIMINARY LAYOUT CSC APPLICATION	NHZ	PMW		
B	04/24/08	PRELIMINARY LAYOUT WITH UPDATED ALIGNMENT	NHZ	PMW		
A	11/07/07	PRELIMINARY LAYOUT	NHZ	PMW		

Burns & McDonnell
SINCE 1898

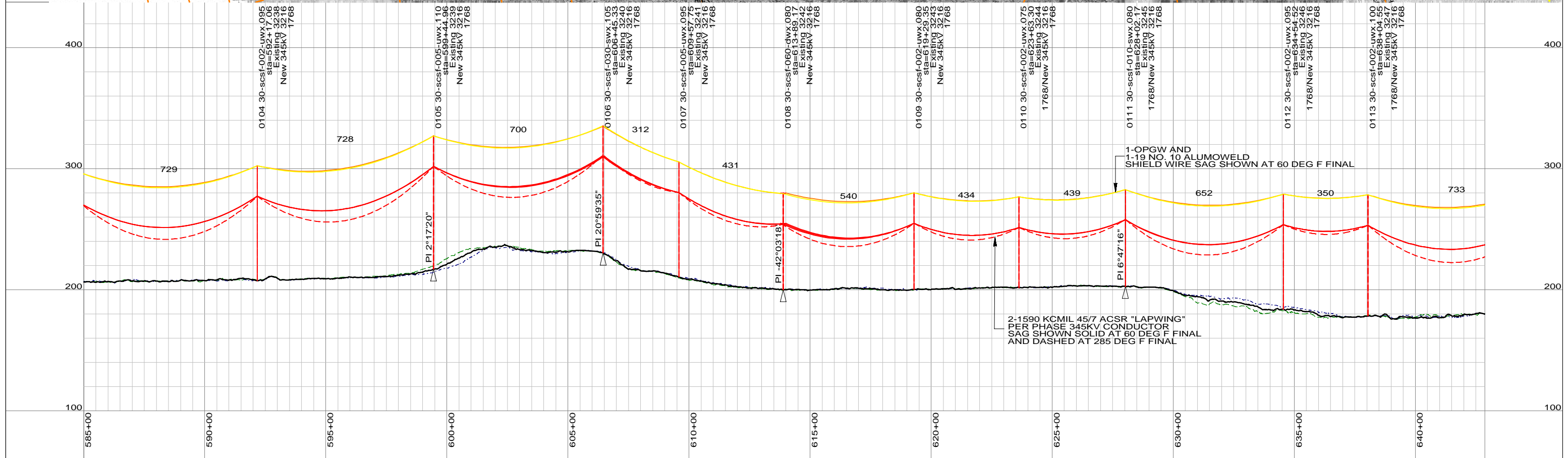
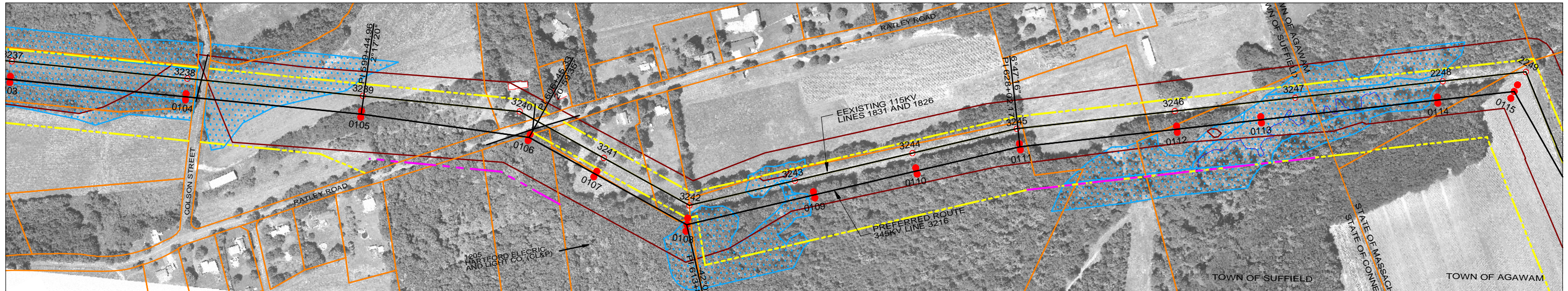
date 9/19/2008
designed P. WILLIAMS

detailed N. ZLATANOVA
checked P. WILLIAMS

Northeast Utilities Service Co.
FOR CONNECTICUT LIGHT & POWER

TITLE **GREATER SPRINGFIELD RELIABILITY PROJECT**
N. BLOOMFIELD TO CT/MA BORDER PLAN & PROFILES SHEET 12 OF 13

BY BMcD	CHKD	APP	APP
DATE 9/19/2008	DATE	DATE	DATE
V-SCALE 1"=80'	SIZE B	FIELD BOOK & PAGES	
H-SCALE 1"=400'	V.S.	R.E.DWG. NO.	
R.E. PROJ. NUMBER 45709		NUSCO DWG NO.	



LEGEND

PROPOSED 115 OR 345KV CENTERLINE	—	PROPOSED STRUCTURE	●
EXISTING TRANSMISSION CENTERLINE	- - -	STRUCTURE REMAIN	○
LINE OF LOCATION	—	STRUCTURE REMOVE	⊗
EXISTING ROW	—	WIRE CROSSING	+
PROPOSED ROW	—	WETLANDS	
PROPERTY LINE	—	WATER	
TOWN BOUNDARY	- . -	SPECIES HABITAT	
		GND PROFILE LEFT 15'	- - -
		GND PROFILE CENTER	—
		GND PROFILE RIGHT 15'	- - -

VERTICAL SCALE IN FEET: 0 to 80

HORIZONTAL SCALE IN FEET: 0 to 400

**PRELIMINARY DESIGN
SUBJECT TO CHANGE**

NO.	DATE	DESIGN REVISIONS	BY	CHK	APP	APP
C	09/19/08	PRELIMINARY LAYOUT CSC APPLICATION	NHZ	PMW		
B	04/24/08	PRELIMINARY LAYOUT WITH UPDATED ALIGNMENT	NHZ	PMW		
A	11/07/07	PRELIMINARY LAYOUT	NHZ	PMW		

Burns & McDonnell
SINCE 1898

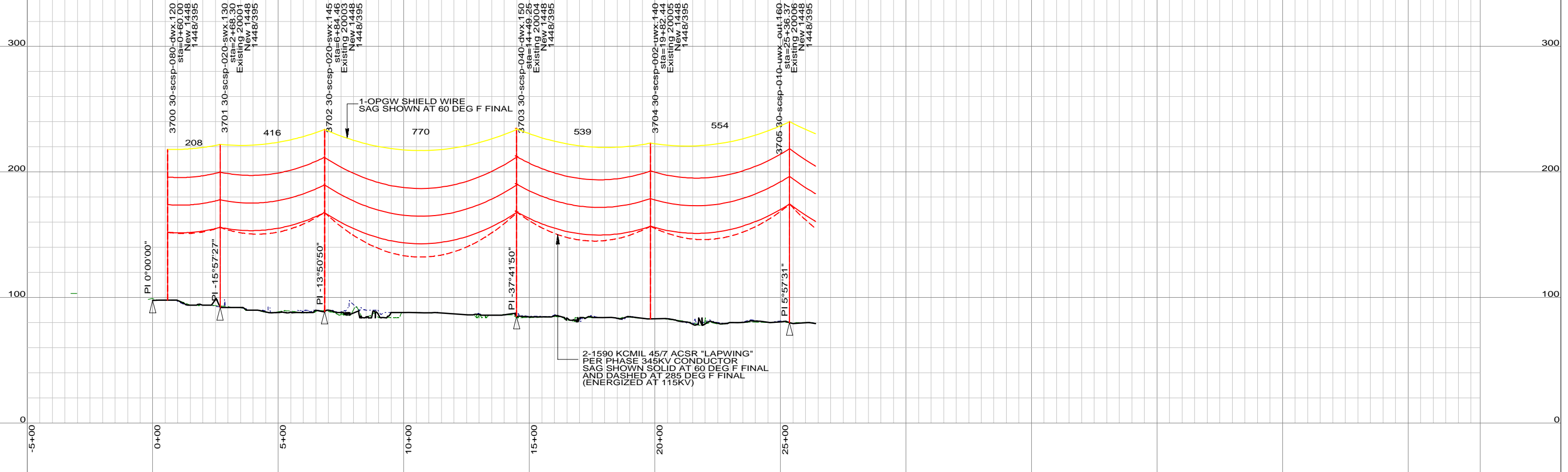
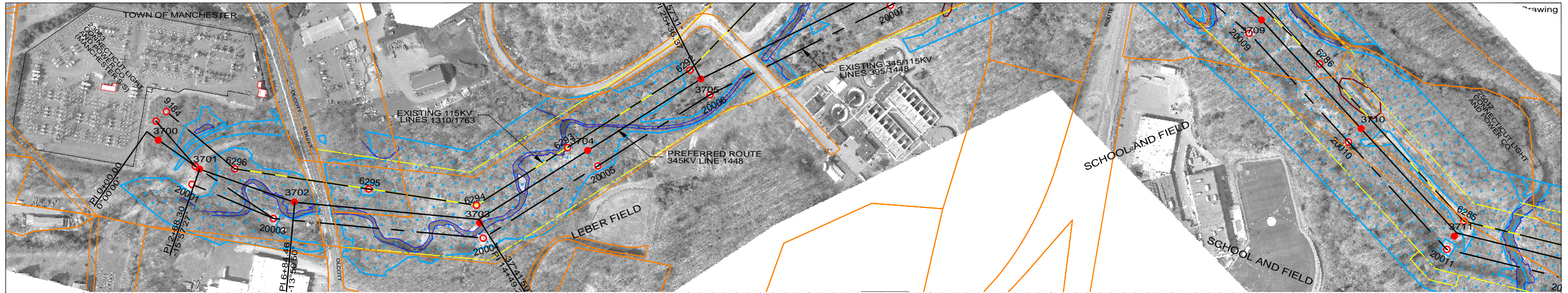
date: 9/19/2008
designed: P. WILLIAMS

detailed: N. ZLATANOVA
checked: P. WILLIAMS

Northeast Utilities Service Co.
FOR CONNECTICUT LIGHT & POWER

TITLE GREATER SPRINGFIELD RELIABILITY PROJECT
N. BLOOMFIELD TO CT/MA BORDER PLAN & PROFILES SHEET 13 OF 13

BY: BMcD	CHKD:	APP:	APP:
DATE: 9/19/2008	DATE:	DATE:	DATE:
V-SCALE: 1"=80'	SIZE: B	FIELD BOOK & PAGES	
H-SCALE: 1"=400'	V.S.:	R.E.DWG. NO.	
R.E. PROJ. NUMBER: 45709		NUSCO DWG NO.	



LEGEND

PROPOSED 115 OR 345KV CENTERLINE	—	PROPOSED STRUCTURE	●
EXISTING TRANSMISSION CENTERLINE	- - -	STRUCTURE REMAIN	○
LINE OF LOCATION	—	STRUCTURE REMOVE	⊗
EXISTING ROW	—	WIRE CROSSING	+
PROPOSED ROW	—	WETLANDS	~
PROPERTY LINE	—	WATER	~
TOWN BOUNDARY	—	SPECIES HABITAT	~
		GND PROFILE LEFT 15'	—
		GND PROFILE CENTER	—
		GND PROFILE RIGHT 15'	—

VERTICAL SCALE IN FEET

HORIZONTAL SCALE IN FEET

**PRELIMINARY DESIGN
SUBJECT TO CHANGE**

NO.	DATE	DESIGN REVISIONS	BY	CHK	APP	APP
C	09/19/08	PRELIMINARY LAYOUT CSC APPLICATION	NHZ	PMW		
B	08/13/08	UPDATED LAYOUT BETWEEN EXISTING LINES	NHZ	PMW		
A	06/17/08	PRELIMINARY LAYOUT BETWEEN EXISTING LINES	NHZ	PMW		

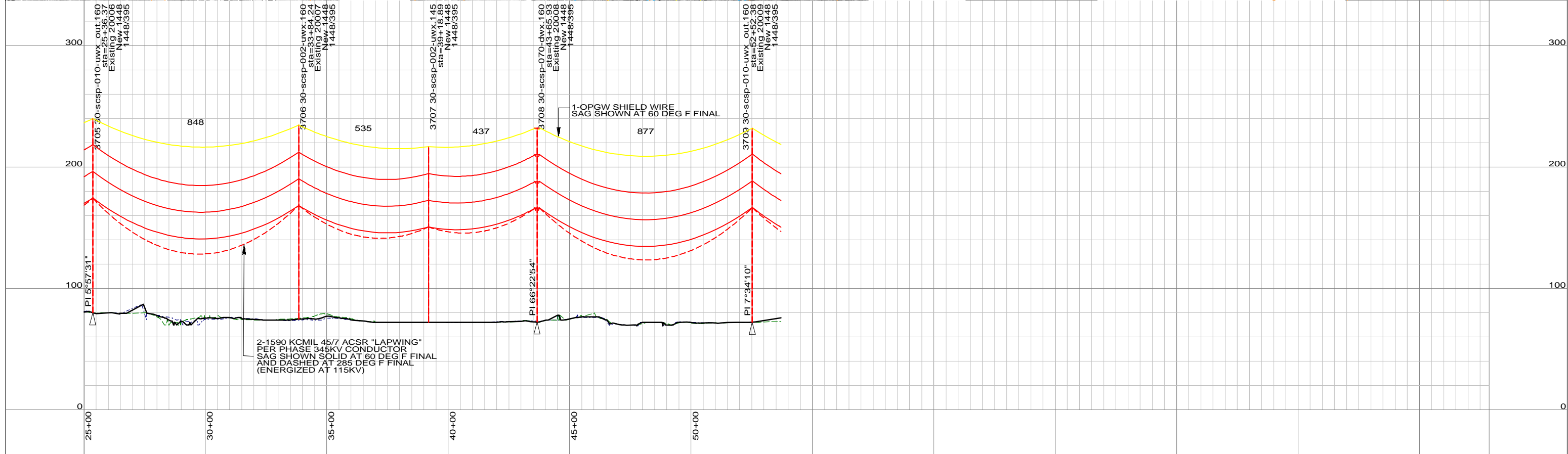
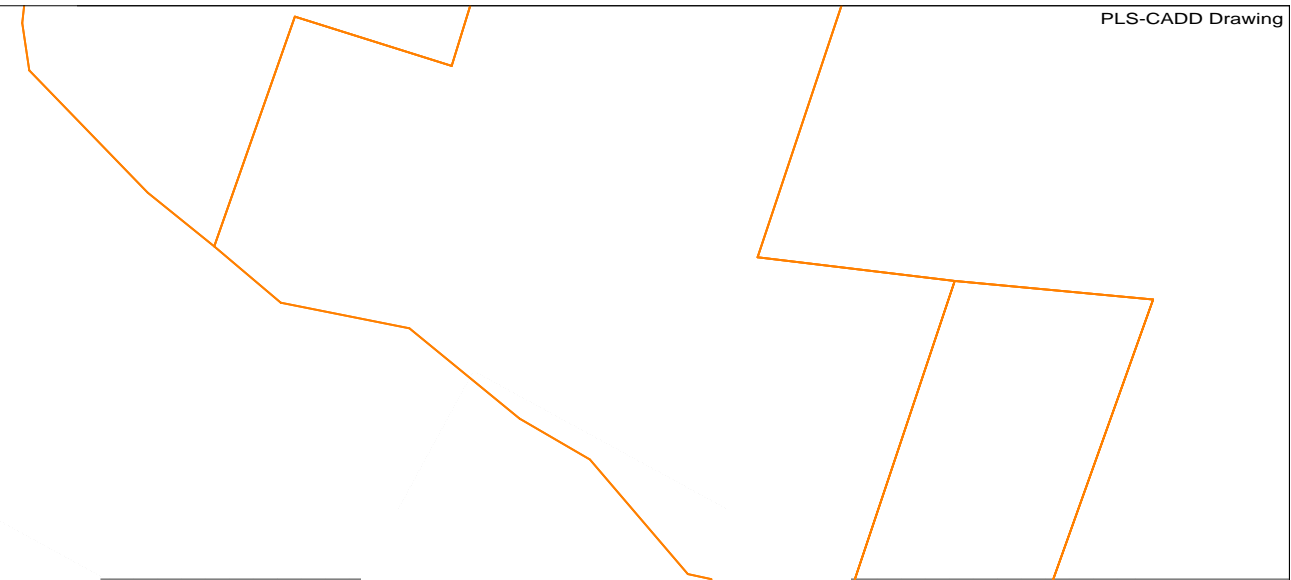
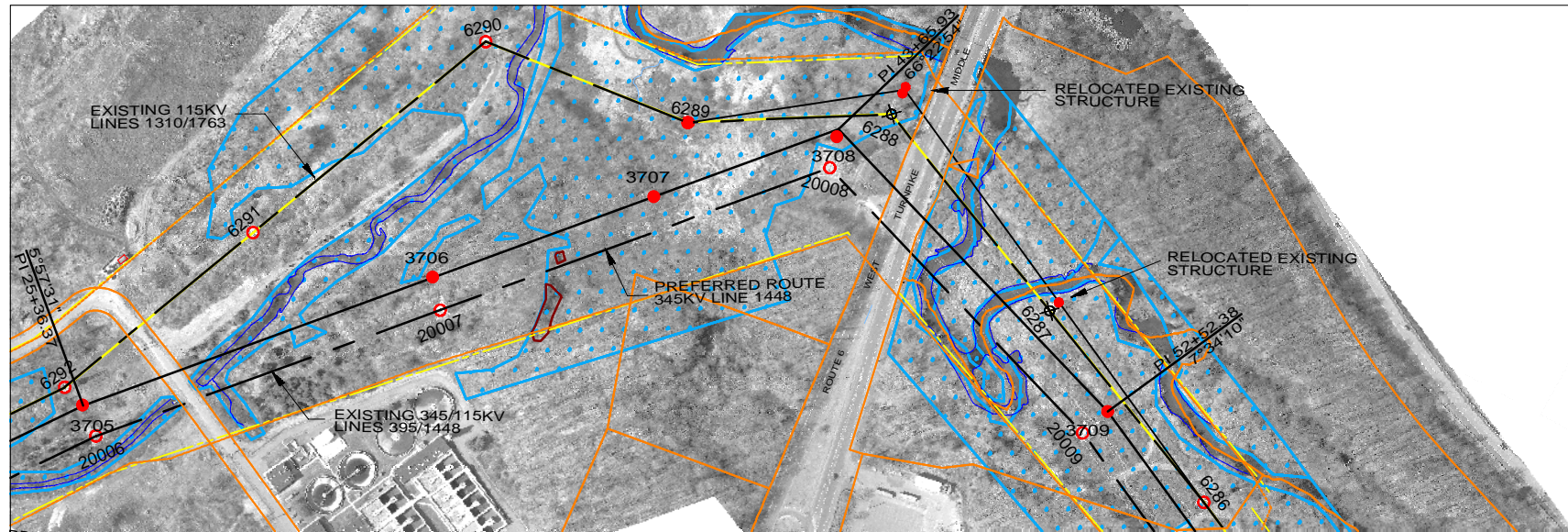
SINCE 1898

date	09/19/2008	detailed	N. ZLATANOVA
designed	P. WILLIAMS	checked	P. WILLIAMS

FOR CONNECTICUT LIGHT & POWER

**TITLE GREATER SPRINGFIELD RELIABILITY PROJECT
MANCHESTER - MEEKVILLE JCT
PLAN AND PROFILES SHEET 1 OF 4**

BY	BMCD	CHKD	APP	APP
DATE	9/19/2008	DATE	DATE	DATE
V-SCALE	1":80'	SIZE	B	FIELD BOOK & PAGES
H-SCALE	1":400'	V.S.		R.E.DWG. NO. B
R.E. PROJ. NUMBER	45709	NUSCO DWG NO.		



LEGEND

PROPOSED 115 OR 345KV CENTERLINE	—	PROPOSED STRUCTURE	●
EXISTING TRANSMISSION CENTERLINE	- - -	STRUCTURE REMAIN	○
LINE OF LOCATION	—	STRUCTURE REMOVE	⊗
EXISTING ROW	—	WIRE CROSSING	+
PROPOSED ROW	—	WETLANDS	
PROPERTY LINE	—	WATER	
TOWN BOUNDARY	—	SPECIES HABITAT	
		GND PROFILE LEFT 15'	—
		GND PROFILE CENTER	—
		GND PROFILE RIGHT 15'	—

VERTICAL SCALE IN FEET

HORIZONTAL SCALE IN FEET

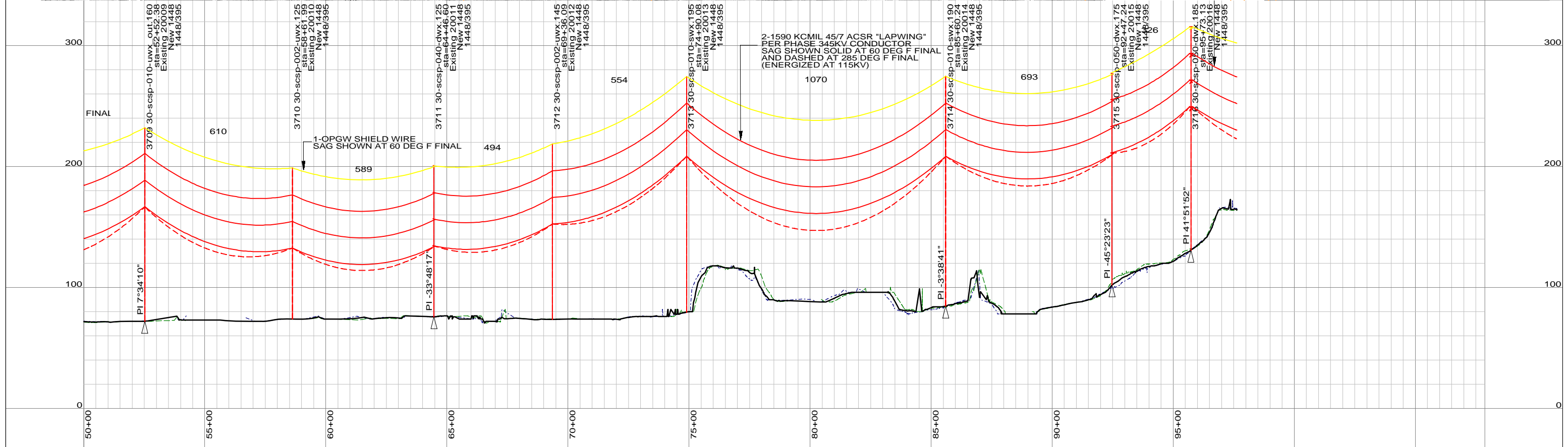
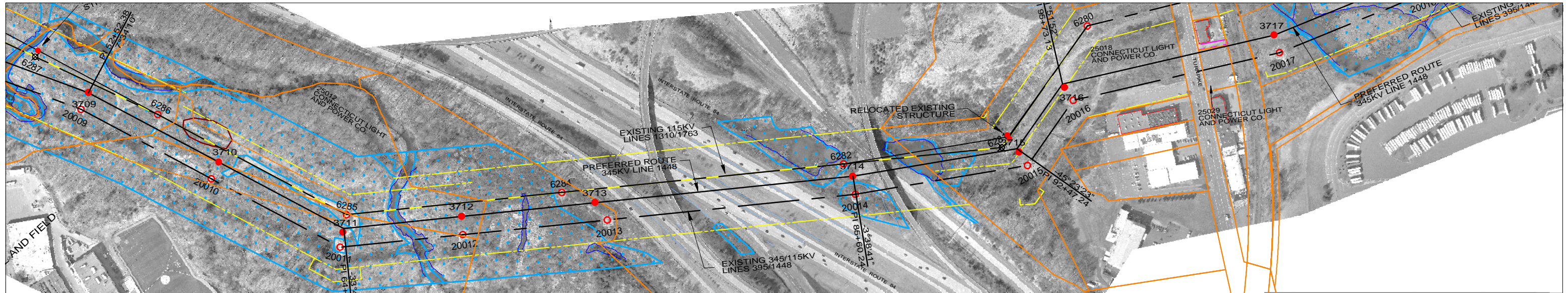
PRELIMINARY DESIGN						
SUBJECT TO CHANGE						
NO.	DATE	DESIGN REVISIONS	BY	CHK	APP	APP
C	09/19/08	PRELIMINARY LAYOUT CSC APPLICATION	NHZ	PMW		
B	08/13/08	UPDATED LAYOUT BETWEEN EXISTING LINES	NHZ	PMW		
A	06/17/08	PRELIMINARY LAYOUT BETWEEN EXISTING LINES	NHZ	PMW		

date	09/19/2008	detailed	N. ZLATANOVA
designed	P. WILLIAMS	checked	P. WILLIAMS

FOR CONNECTICUT LIGHT & POWER

**TITLE GREATER SPRINGFIELD RELIABILITY PROJECT
MANCHESTER - MEEKVILLE JCT
PLAN AND PROFILES SHEET 2 OF 4**

BY	BMcd	CHKD	APP	APP
DATE	9/19/2008	DATE	DATE	DATE
V-SCALE	1":80'	SIZE	B	FIELD BOOK & PAGES
H-SCALE	1":400'	V.S.		R.E.DWG. NO. B
R.E. PROJ. NUMBER	45709		NUSCO DWG NO.	



LEGEND

PROPOSED 115 OR 345KV CENTERLINE	—	PROPOSED STRUCTURE	●
EXISTING TRANSMISSION CENTERLINE	- - -	STRUCTURE REMAIN	○
LINE OF LOCATION	—	STRUCTURE REMOVE	⊗
EXISTING ROW	—	WIRE CROSSING	+
PROPOSED ROW	—	WETLANDS	
PROPERTY LINE	—	WATER	
TOWN BOUNDARY	—	SPECIES HABITAT	
		GND PROFILE LEFT 15'	—
		GND PROFILE CENTER	—
		GND PROFILE RIGHT 15'	—

VERTICAL SCALE IN FEET: 0 to 80

HORIZONTAL SCALE IN FEET: 0 to 400

PRELIMINARY DESIGN
SUBJECT TO CHANGE

NO.	DATE	DESIGN REVISIONS	BY	CHK	APP	APP
C	09/19/08	PRELIMINARY LAYOUT CSC APPLICATION	NHZ	PMW		
B	08/13/08	UPDATED LAYOUT BETWEEN EXISTING LINES	NHZ	PMW		
A	06/17/08	PRELIMINARY LAYOUT BETWEEN EXISTING LINES	NHZ	PMW		

Burns & McDonnell
SINCE 1898

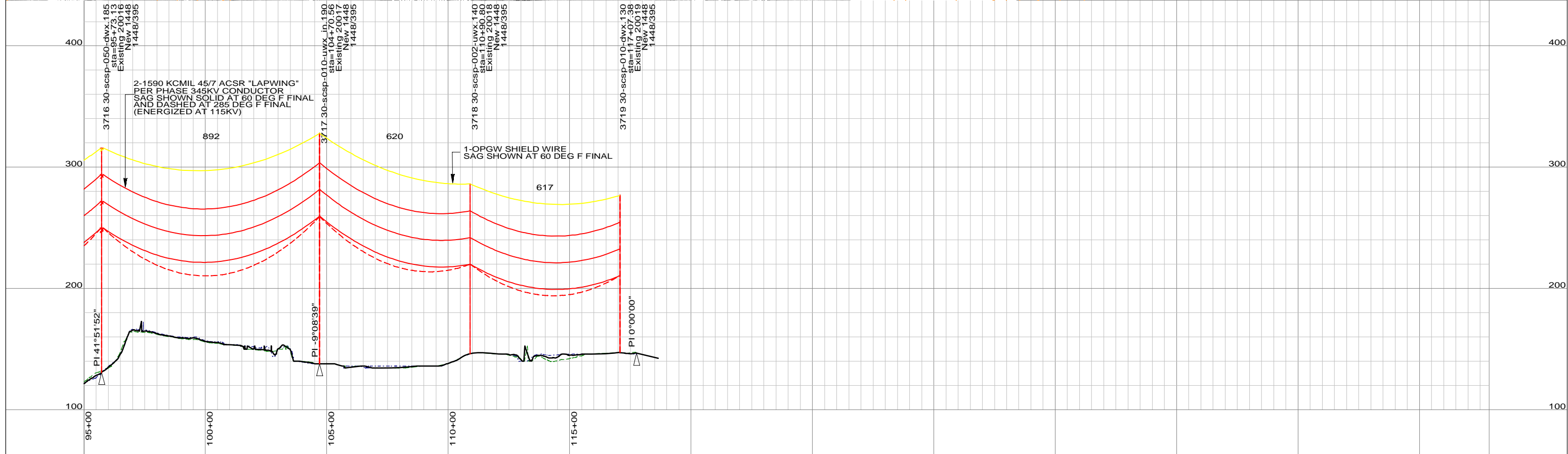
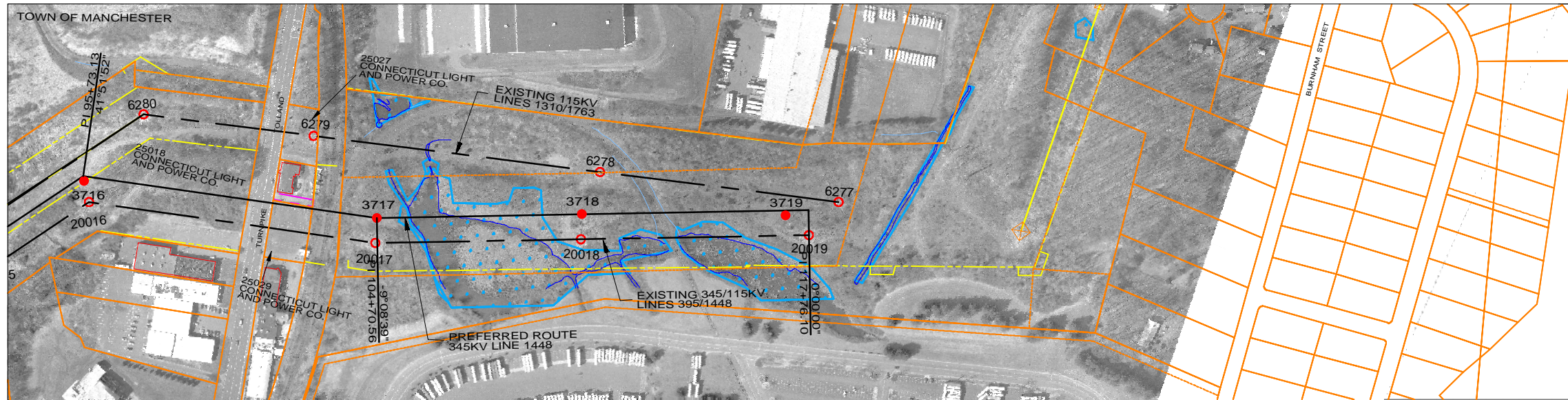
date: 09/19/2008
designed: P. WILLIAMS

detailed: N. ZLATANOVA
checked: P. WILLIAMS

Northeast Utilities Service Co.
FOR CONNECTICUT LIGHT & POWER

TITLE: GREATER SPRINGFIELD RELIABILITY PROJECT
MANCHESTER - MEEKVILLE JCT
PLAN AND PROFILES SHEET 3 OF 4

BY: BMcD	CHKD:	APP:	APP:
DATE: 9/19/2008	DATE:	DATE:	DATE:
V-SCALE: 1"=80'	SIZE: B	FIELD BOOK & PAGES	
H-SCALE: 1"=400'	V.S.	R.E.DWG. NO.	B
R.E. PROJ. NUMBER: 45709		NUSCO DWG NO.	



LEGEND

PROPOSED 115 OR 345KV CENTERLINE	—	PROPOSED STRUCTURE	●
EXISTING TRANSMISSION CENTERLINE	- - -	STRUCTURE REMAIN	○
LINE OF LOCATION	—	STRUCTURE REMOVE	⊗
EXISTING ROW	—	WIRE CROSSING	+
PROPOSED ROW	—	WETLANDS	
PROPERTY LINE	—	WATER	
TOWN BOUNDARY	- · - · -	SPECIES HABITAT	
		GND PROFILE LEFT 15'	- · - · -
		GND PROFILE CENTER	—
		GND PROFILE RIGHT 15'	- · - · -

VERTICAL SCALE IN FEET: 0 to 80

HORIZONTAL SCALE IN FEET: 0 to 400

PRELIMINARY DESIGN
SUBJECT TO CHANGE

NO.	DATE	DESIGN REVISIONS	BY	CHK	APP	APP
C	09/19/08	PRELIMINARY LAYOUT CSC APPLICATION	NHZ	PMW		
B	08/13/08	UPDATED LAYOUT BETWEEN EXISTING LINES	NHZ	PMW		
A	06/17/08	PRELIMINARY LAYOUT BETWEEN EXISTING LINES	NHZ	PMW		

SINCE 1898

date	09/19/2008	detailed	N. ZLATANOVA
designed	P. WILLIAMS	checked	P. WILLIAMS

FOR CONNECTICUT LIGHT & POWER

**TITLE GREATER SPRINGFIELD RELIABILITY PROJECT
MANCHESTER - MEEKVILLE JCT
PLAN AND PROFILES SHEET 4 OF 4**

BY	BMcD	CHKD	APP	APP
DATE	9/19/2008	DATE	DATE	DATE
V-SCALE	1":80'	SIZE	B	FIELD BOOK & PAGES
H-SCALE	1":400'	V.S.		R.E.DWG. NO. B
R.E. PROJ. NUMBER	45709	NUSCO DWG NO.		