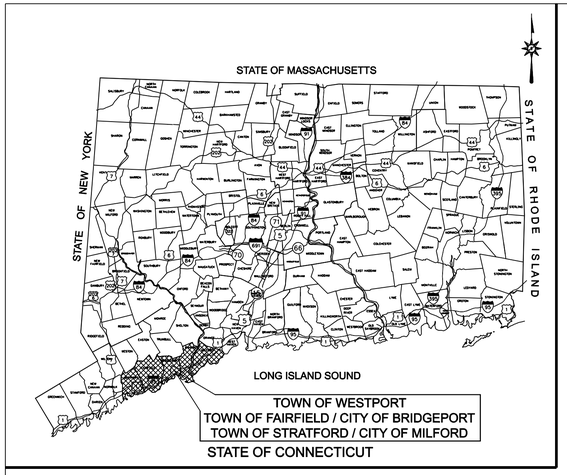
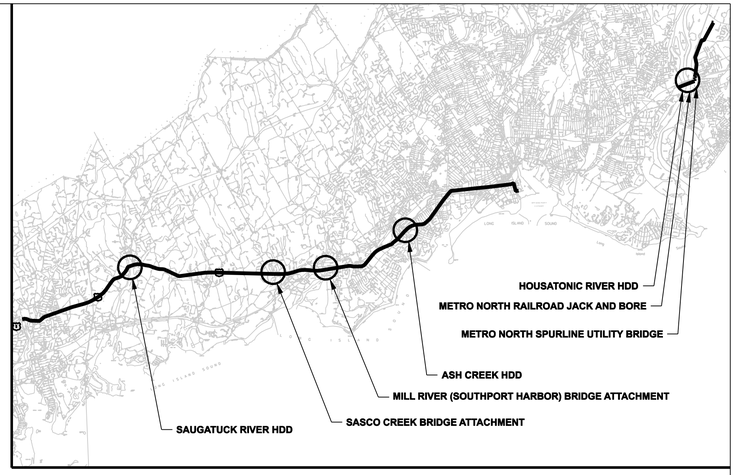


LOCATION MAP

N.T.S.

middletown | norwalk



VICINITY MAP

N.T.S.

CONNECTICUT SITING COUNCIL
DOCKET NO. 272

DEVELOPMENT & MANAGEMENT PLAN

FOR THE

MIDDLETOWN-NORWALK
345-kV TRANSMISSION LINE PROJECT

UNDERGROUND CABLE CROSSINGS OF WATERCOURSES AND RAILROADS

TOWN OF WESTPORT / TOWN OF FAIRFIELD / CITY OF BRIDGEPORT / TOWN OF STRATFORD / CITY OF MILFORD, CONNECTICUT

VOLUME 2 OF 3

Burns & McDonnell
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Connecticut Light & Power
The Northeast Utilities System

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01224-16010 PG 003	UNDERGROUND CABLE CROSSINGS OF WATERCOURSES AND RAILROADS GENERAL NOTES AND LEGEND
01224-16010 PG 004	TOWN OF WESTPORT DRAWING LAYOUT INDEX SHEET
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01223-16010 PG 004	TOWN OF STRATFORD/CITY OF MILFORD DRAWING LAYOUT INDEX SHEET
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01224-10001 PG 035	TOWN OF WESTPORT PLAN AND PROFILE Sta. 237+00 TO 246+00
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01224-10001 PG 088A	TOWN OF FAIRFIELD ROUTE PLAN AND PROFILE Sta. 631+00 TO 644+00
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01224-16404 PG 001	ASH CREEK HORIZONTAL DIRECTIONAL DRILL
01223-10001 PG 001	TOWN OF STRATFORD PLAN AND PROFILE Sta. 1000+00 TO 1003+00
01223-10001 PG 002	TOWN OF STRATFORD/ CITY OF MILFORD PLAN AND PROFILE Sta. 1002+00 TO 1010+50
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01224-15003 PG 002	EROSION CONTROL DETAILS

* DRAWING FOR CONSTRUCTIION ONLY, NOT SUBMITTED TO CSC AS PART OF D&M PLAN.

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NORTHEAST UTILITIES SERVICE CO.

FOR THE CONNECTICUT LIGHT & POWER COMPANY

TITLE MIDDLETOWN-NORWALK 345kV TRANSMISSION PROJECT
UNDERGROUND CABLE CROSSINGS OF WATERCOURSES AND RAILROADS
PAGE INDEX

BY SEN-BMCD	CHKD	APP	APP
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ABBREVIATIONS

BUILDINGS	
GAR.	GARAGE
GUIDE RAILS	
MBR	METAL BEAM RAIL
CGRM	CABLE GUIDE RAIL METAL POSTS
CGRW	CABLE GUIDE RAIL WOOD POSTS
TGR	TIMBER GUIDE RAIL
FENCES/WALLS	
CLF	CHAIN LINK FENCE
PICK.FENCE	PICKET FENCE
RAIL FENCE	WOOD RAIL FENCE
STOCK.FENCE	STOCKADE FENCE
WIRE FENCE	WIRE FENCE
RET.WALL	RETAINING WALL
MONUMENTATION	
CHD	CONN.HIGHWAY DEPT.MON.
DH	DRILL HOLE
I.PIN	IRON PIN
I.PIPE	IRON PIPE
MAG.NAIL	MAGNETIC NAIL
MON.	MONUMENT
PK NAIL	"PK" NAIL
SPIKE	SPIKE
SURFACE/WALL/CURB MATERIALS	
BIT.	BITUMINOUS
BOL.	BOLLARD
CONC.	CONCRETE
GRAN.	GRANITE
GRAV.	GRAVEL
B.C.L.C.	BITUMINOUS CONCRETE LIP CURB
UTILITY - WATER	
WG	WATER GATE (OR CURB BOX)
WM	WATER METER
TRAFFIC	
LOOP DET.	LOOP DETECTOR
UTILITY - COMMUNICATIONS AND ELECTRIC	
ELEC.MH	ELECTRIC MANHOLE
TEL.MH	TELEPHONE/COMMUNICATIONS MANHOLE
TRANS.	TRANSFORMER
UI	UNITED ILLUMINATING
SNET	SOUTHERN NEW ENGLAND TELEPHONE
CL&P	CONNECTICUT LIGHT AND POWER

UTILITY - GAS	
GG	GAS GATE
ST.	STEEL
PIPE MATERIALS	
CI	CAST IRON
DI	DUCTILE IRON
H.P.	HIGH PRESSURE
L.P.	LOW PRESSURE
PLA	PLASTIC
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
CMP	CORRUGATED METAL PIPE
WRP	WRAPPED PIPE
600#	600 PSI
CWD	CREOSOTE WOOD DUCT
MTD	MULTITILED DUCTS
STD	SINGLE TILED DUCTS
F	FIBERGLASS
P	PLASTIC
I	IRON
W	WOOD
HWF	
TH	TEST HOLE
STRUCTURES	
"C" CB	CURBED CATCH BASIN
"C-L" CB	CURBLESS CATCH BASIN
MH	MANHOLE
SAN.	SANITARY
STM.	STORM
TF	TOP OF FRAME
INV.	INVERT
BTM	BOTTOM
N/A	NOT AVAILABLE
MISC.	
(ABAN)	ABANDONED
(MAP)	COMPILED FROM EXISTING MAPPING
UG	UNDERGROUND

LEGEND

Edge Of Road
Concrete Pavement
Dirt Road
B.C.L.C.
Curb (Type As Labeled)
Guide Rail
Concrete Median Barrier
Railroad Tracks
Fence
Storm
Sanitary
Gas Main
Water Main
Underground Electric
Telephone Duct Bank
Underground Tele. Conduit
Overhead Wires
Retaining Wall
Highway Line
Street Line
Property Line
Lot Line Of Common Ownership
Town Line
DUCT BANK
Water/RR Crossing
Demolition
Approx.Limits of Thermally Approved Unbound Aggregate Backfill

Easement Line
Edge of Water
Stone Wall
Transmission Tower
Riprap
Hedge Row
Tree Line
Shrub
All Trees
Hand Hole
Pedestrian Signal
Span Pole
Mast Arm
Traffic Controller
Traffic Signal
Sign
2-Post Sign
Double-Faced Sign
Billboard
Utility Pole
Utility Pole With Light
General Purpose Lamp
Light Standard
Guy Wire
Guy Pole
Water Meter
Hydrant
Type "C-L" Catch Basin
Type "C" Catch Basin
Manhole
Benchmark
Control Point
Monuments
Pin,Pipe,Drillhole
Marsh
Wetlands Boundary
Fiber Optic Handhole
Splice Vault
Test Hole
Temperature Monitor Station
PLANS UNDER DIFFERENT SUBMISSION

GENERAL NOTES

1. THE UTILITIES AND NATURAL FEATURES SHOWN HEREON ARE BASED ON FIELD SURVEYS, AERIAL PHOTOGRAPHY AND RECORD DOCUMENTS. OTHER FACILITIES MAY EXIST NOT DISCOVERED THROUGH THE RECORD CHECK. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION, BOTH HORIZONTAL AND VERTICAL, OF ALL UTILITIES THROUGH THE APPROPRIATE UTILITY COMPANIES. CALL BEFORE YOU DIG.
2. ALL VERTICAL RADII ARE 400' UNLESS OTHERWISE NOTED.
3. DUCT BANK SHALL MAINTAIN MINIMUM COVER DEPTH OF 2'-6" UNLESS OTHERWISE SHOWN ON DRAWINGS. MAINTAIN 2'-0" VERTICAL CLEARANCE OVER OR UNDER EXISTING UTILITIES UNLESS OTHERWISE SHOWN ON DRAWINGS.
4. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE RETURNED TO THE ORIGINAL CONDITIONS AS DETERMINED BY NORTHEAST UTILITIES.
5. COORDINATES AND STATIONING INDICATED ARE AT CENTERLINE OF DUCT BANK.
6. SEE INDEX KEY MAPS FOR THE DESIGNATION BETWEEN MUNICIPAL ROADS AND STATE ROADS.
7. TREES AND SHRUBS SHALL BE REMOVED AND REPLACED WITH SIMILAR TYPES AND SIZES TYPICAL OF GENERAL CONSUMER NURSERY STOCK, PROVIDED THAT NO REPLACEMENT TREE SHALL EXCEED TWELVE (12) FEET IN HEIGHT, NOR SHALL ANY REPLACEMENT SHRUB EXCEED A THREE (3) GALLON POT AND PROVIDED THAT NOTHING SHALL BE PLANTED WITHIN FIFTEEN (15) FEET OF AN INSTALLED VAULT OR WITHIN TEN (10) FEET OF AN INSTALLED CABLE DUCT BANK.
8. COORDINATES ARE BASED ON THE CONNECTICUT STATE PLANE COORDINATE SYSTEM. (NAD 83)
9. VERTICAL DATUM IS BASED ON NAVD 88.
10. SILT FENCE SHALL BE USED ALONG THE DOWN SLOPE SIDE OF THE CONSTRUCTION AREA WHERE THERE IS THE POTENTIAL FOR STORM WATER RUNOFF. THIS INCLUDES ANY PERVIOUS AREAS ALONG THE ROUTE. INLET PROTECTION SHALL BE USED IN ROADWAYS WHERE STORM DRAINS ARE PRESENT AND POTENTIAL FOR STORM WATER RUNOFF EXISTS.
11. TEMPORARY AND PERMANENT EASEMENTS WILL BE ACQUIRED FOR INSTALLATION OF THE DUCT BANK AND VAULTS ALONG PRIVATE PROPERTY. A TYPICAL VAULT LOCATION INSTALLED ALONG PRIVATE PROPERTY REQUIRES A PERMANENT EASEMENT OF APPROXIMATELY 10,000 SF AND A TEMPORARY EASEMENT OF APPROXIMATELY 6,500 SF.
12. VAULT AND DUCT BANK LOCATIONS ARE SUBJECT TO ADJUSTMENT DUE TO UNFORESEEN CONDITIONS.
13. NORTHING AND EASTING DESIGNATIONS FOR SPLICE VAULT LOCATIONS ARE REFERENCED TO CENTER OF SPLICE VAULT.

ONE CALL SYSTEMS
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CALL BEFORE YOU DIG.....IT'S THE LAW!
48 HOUR NOTICE REQUIRED

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FOR THE CONNECTICUT LIGHT & POWER COMPANY

TITLE MIDDLETOWN-NORWALK 345kV TRANSMISSION PROJECT
UNDERGROUND CABLE CROSSINGS OF WATERCOURSES AND RAILROADS
GENERAL NOTES AND LEGEND

BY SEN-BMCD	CHKD	APP	APP
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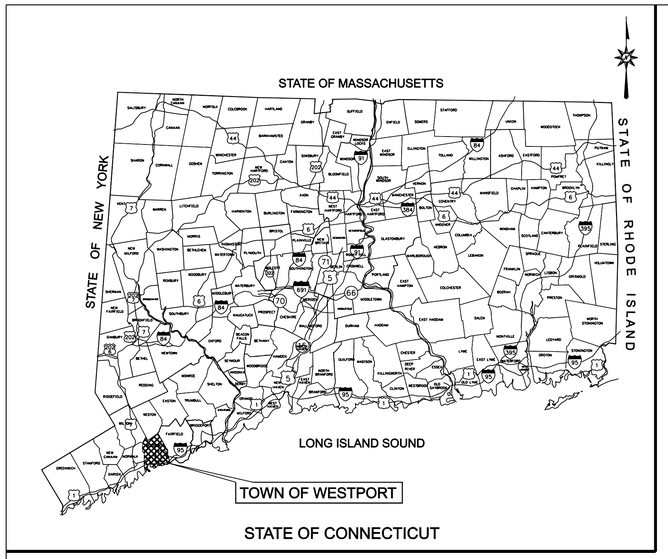
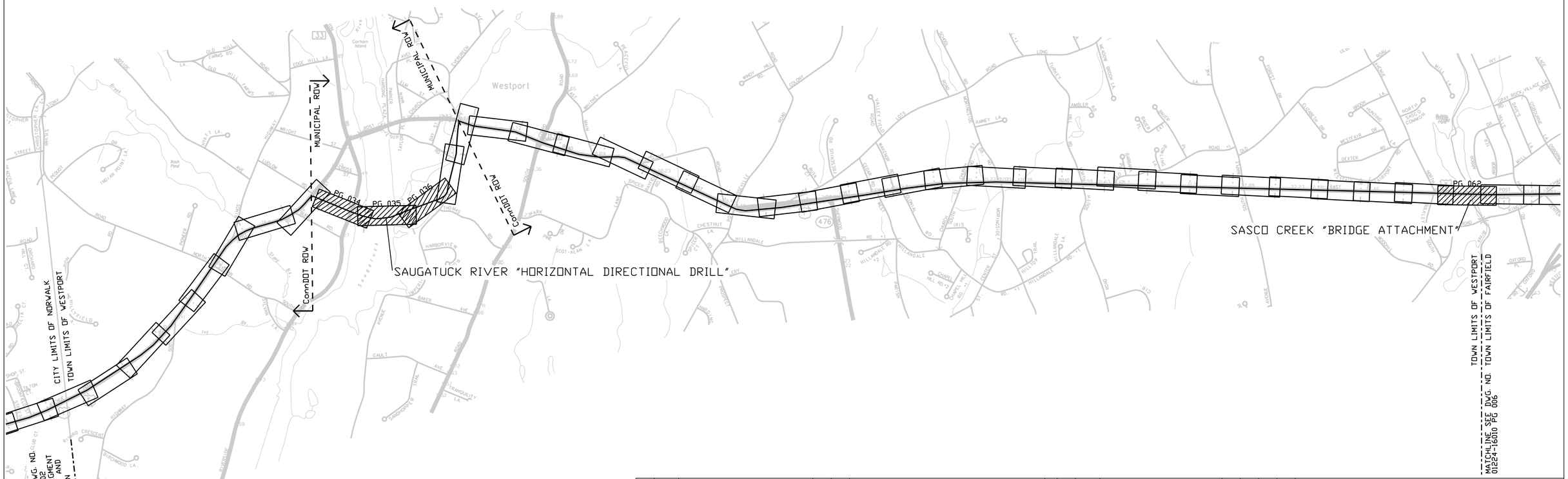


LOCATION MAP

N.T.S.

TOWN OF WESTPORT

NOT TO SCALE



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TITLE MIDDLETOWN–NORWALK 345kV TRANSMISSION PROJECT

TOWN OF WESTPORT
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BY SEN–BMCD	CHKD	APP	APP
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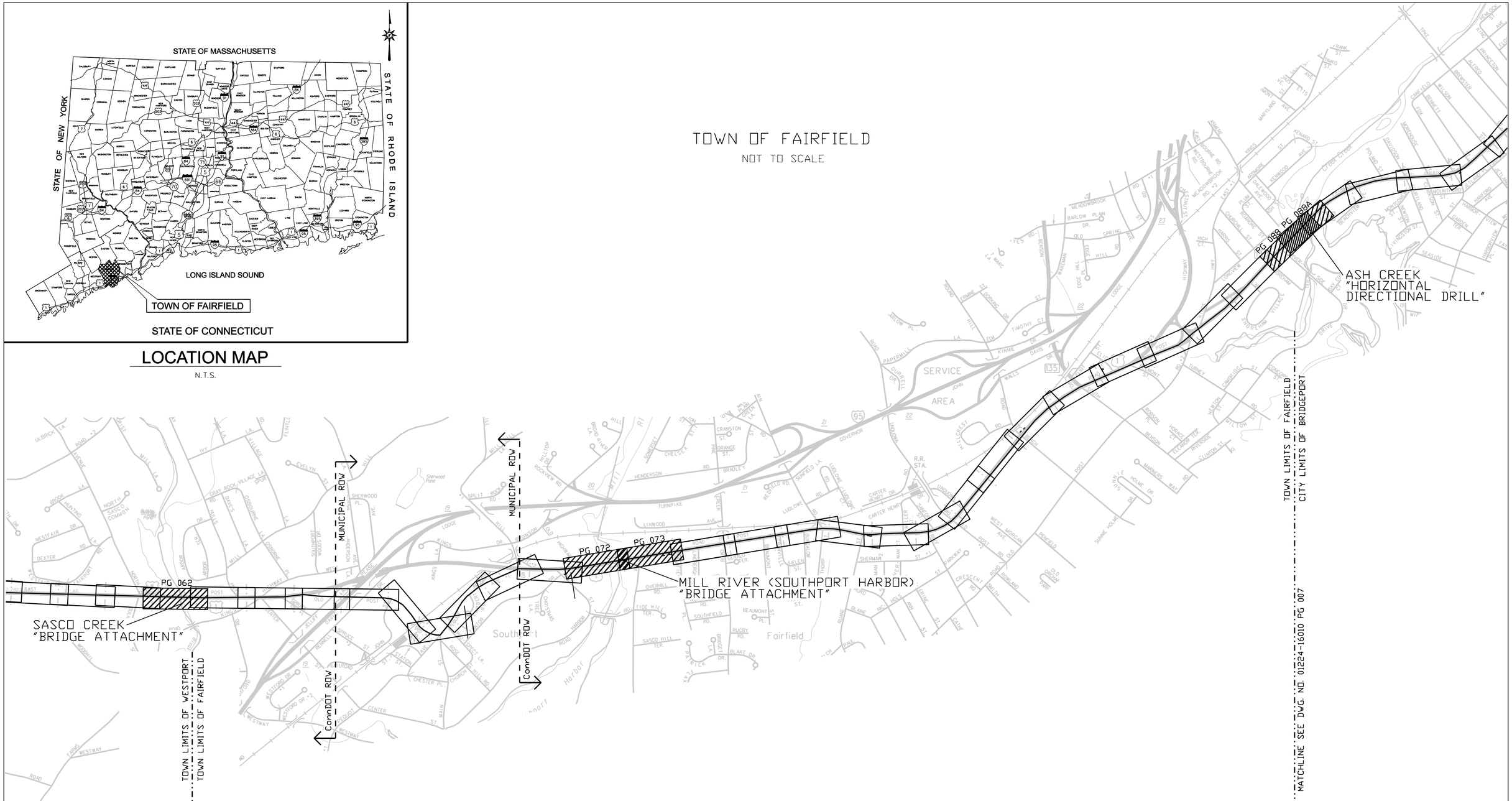
LOCATION MAP

N.T.S.

TOWN OF FAIRFIELD

NOT TO SCALE



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TITLE MIDDLETOWN–NORWALK 345kV TRANSMISSION PROJECT

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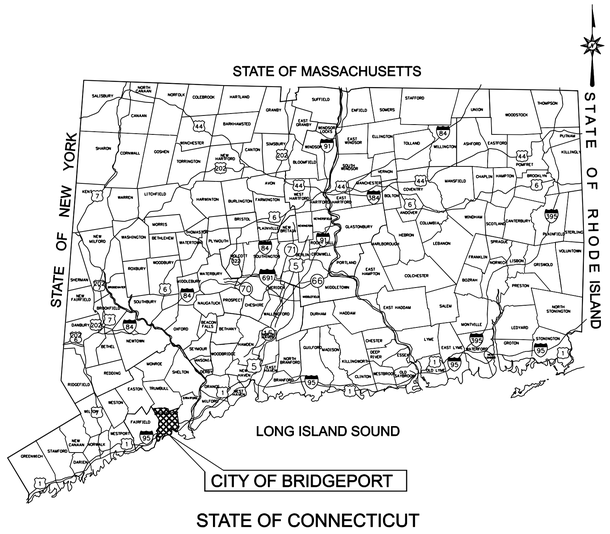
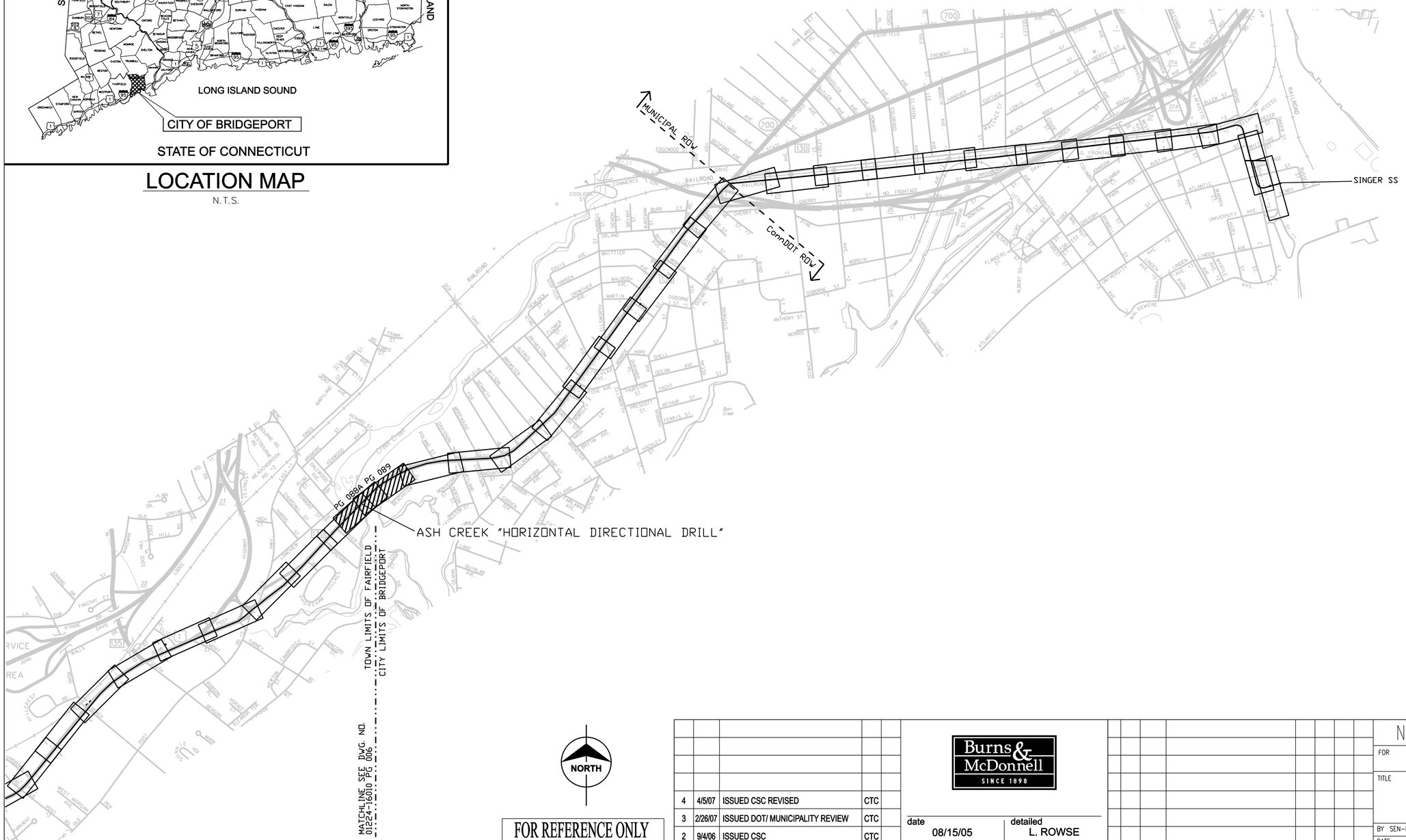


LOCATION MAP

N.T.S.

CITY OF BRIDGEPORT

NOT TO SCALE



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TITLE MIDDLETOWN–NORWALK 345kV TRANSMISSION PROJECT

CITY OF BRIDGEPORT
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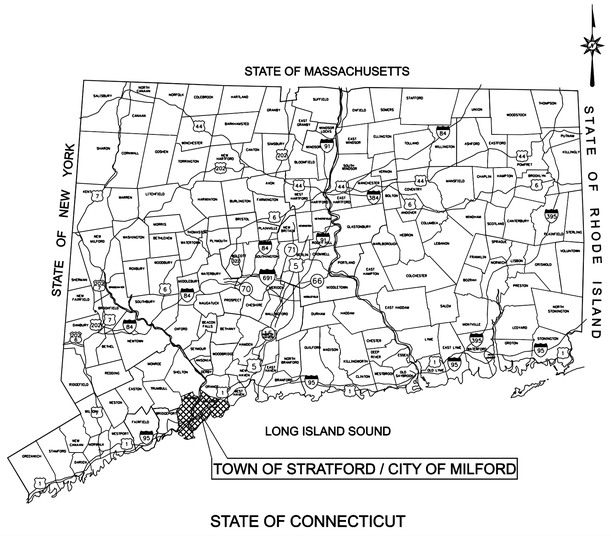
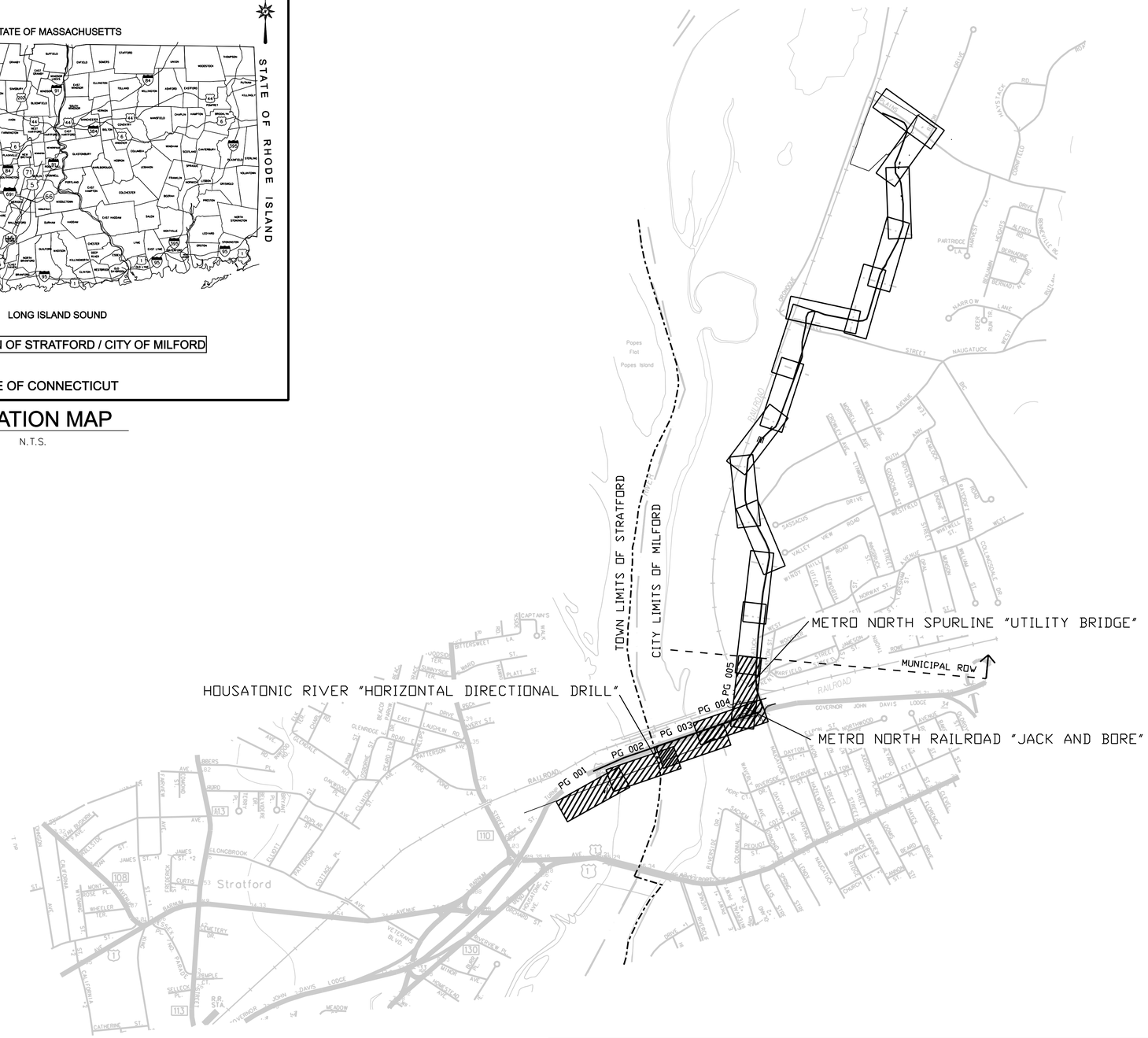


LOCATION MAP

N.T.S.

TOWN OF STRATFORD
CITY OF MILFORD

NOT TO SCALE



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TITLE MIDDLETOWN–NORWALK 345kV TRANSMISSION PROJECT

TOWN OF STRATFORD / CITY OF MILFORD
DRAWING LAYOUT INDEX SHEET

BY SEN–BMCD	CHKD	APP	APP
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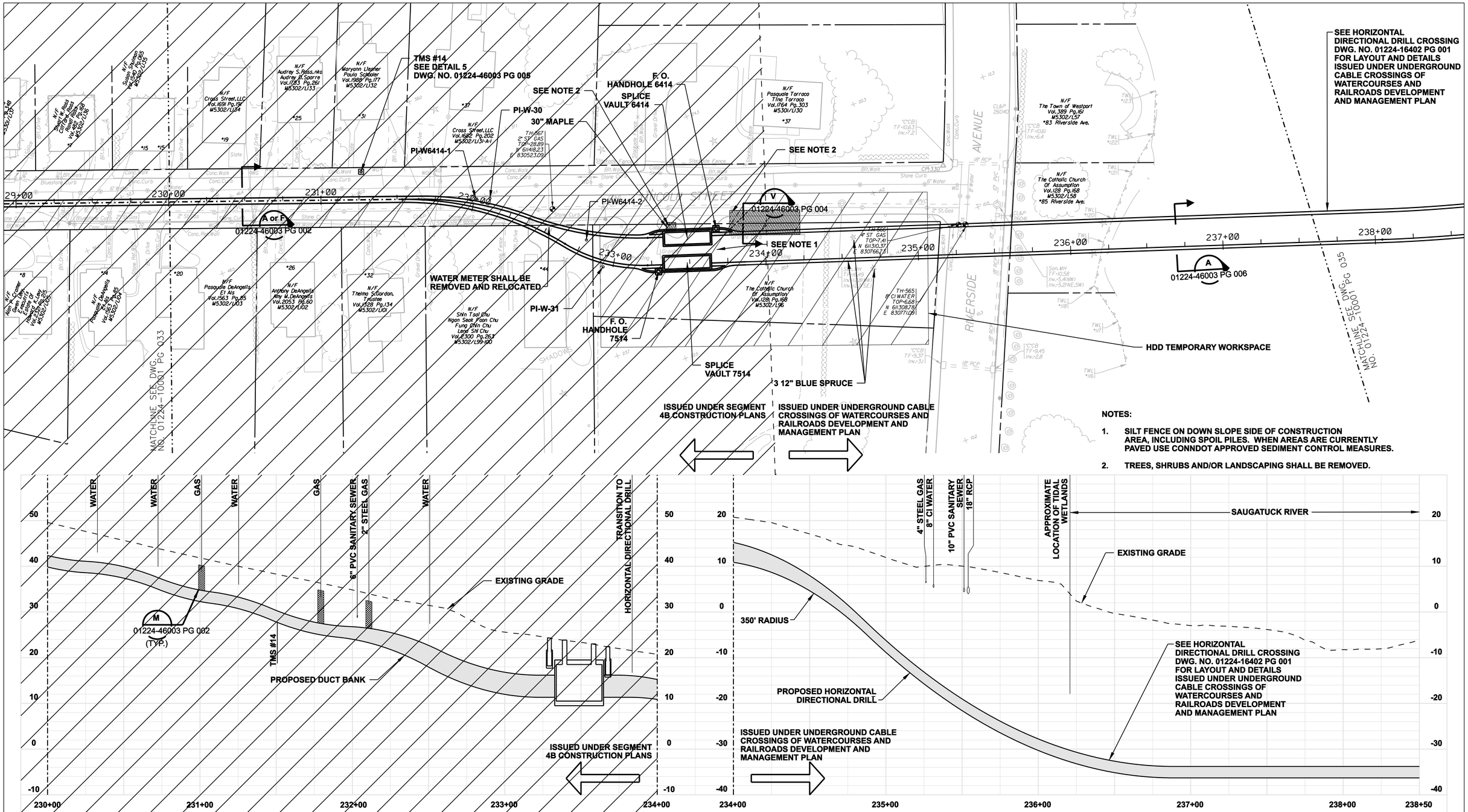
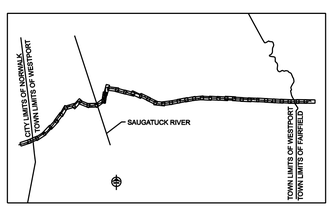


NOTES:

1. SILT FENCE ON DOWN SLOPE SIDE OF CONSTRUCTION AREA, INCLUDING SPOIL PILES. WHEN AREAS ARE CURRENTLY PAVED USE CONNDOT APPROVED SEDIMENT CONTROL MEASURES.
2. TREES, SHRUBS AND/OR LANDSCAPING SHALL BE REMOVED.



NORTH

0 30' 60'
HORIZONTAL SCALE IN FEET
0 10' 20'
VERTICAL SCALE IN FEET

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MF	NO.	DATE	REVISIONS	BY	CHK	APP	APP

NORTHEAST UTILITIES SERVICE CO.

FOR THE CONNECTICUT LIGHT & POWER COMPANY

TITLE MIDDLETOWN–NORWALK 345kV TRANSMISSION PROJECT

TOWN OF WESTPORT
PLAN AND PROFILE Sta. 230+00 to 238+50

BY SEN–BMCD	CHKD	APP	APP
DATE 11–10–05	DATE	DATE	DATE
SCALE AS NOTED	D	DWG. NO. 01224–10001 PG 034	

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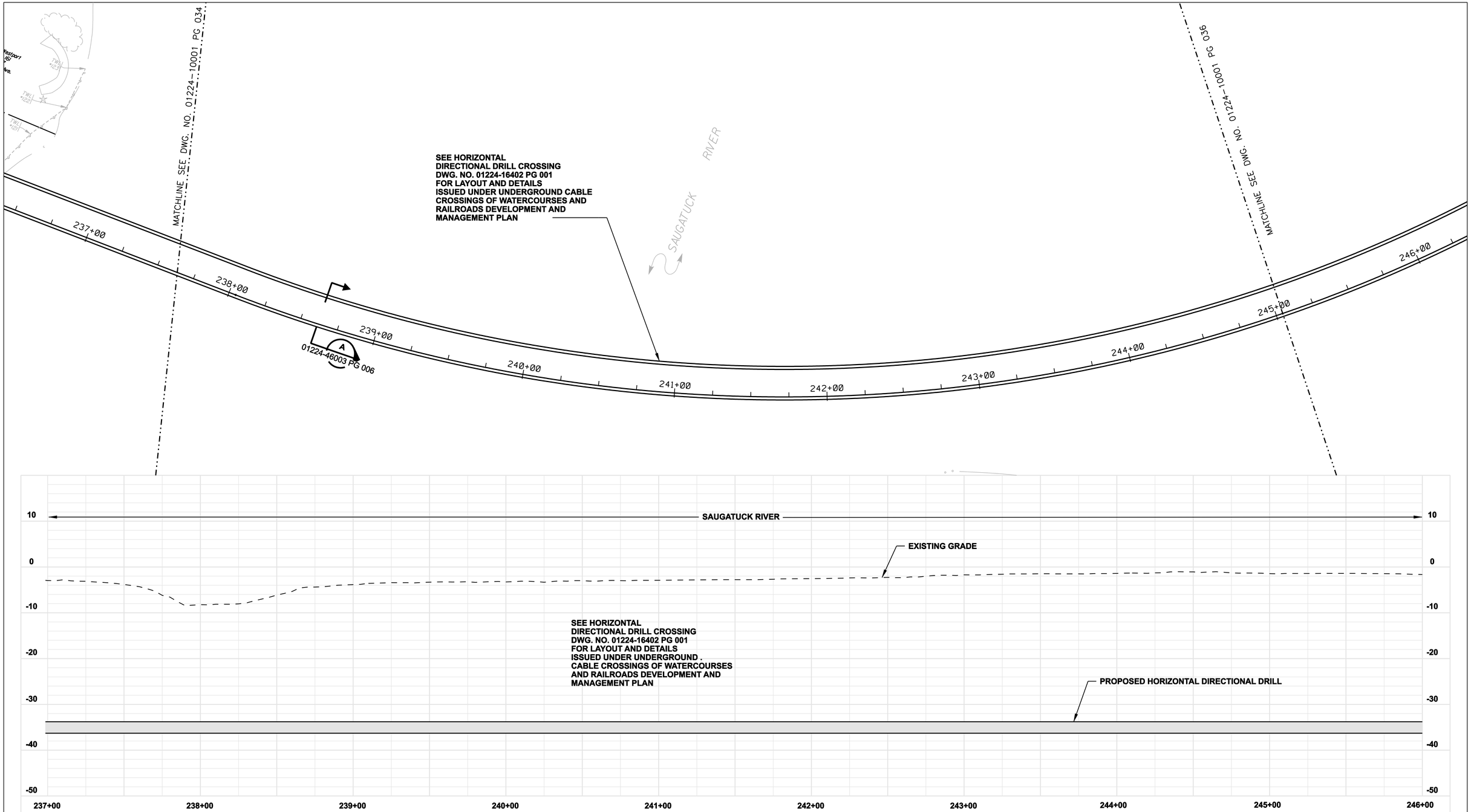

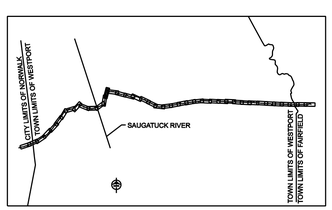

NORTH

0 30' 60'
HORIZONTAL SCALE IN FEET
0 10' 20'
VERTICAL SCALE IN FEET

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

DOCKET No. 272

no.	date	revisions	by	chk
4	4/5/07	ISSUED CSC REVISED	CTC	
3	2/26/07	ISSUED DOT/ MUNICIPALITY REVIEW	CTC	
2	9/4/06	ISSUED CSC	CTC	
1	6/1/06	ISSUED 60% PRELIMINARY	CTC	

Burns & McDonnell
SINCE 1898

date 11/10/05
detailed L. ROWSE
designed C. COURTRIGHT
checked S. NEWLAND

MF	NO.	DATE	REVISIONS	BY	CHK	APP	APP

NORTHEAST UTILITIES SERVICE CO.

FOR THE CONNECTICUT LIGHT & POWER COMPANY

TITLE MIDDLETOWN–NORWALK 345kV TRANSMISSION PROJECT

TOWN OF WESTPORT
PLAN AND PROFILE Sta. 237+00 to 246+00

BY SEN–BMCD	CHKD	APP	APP
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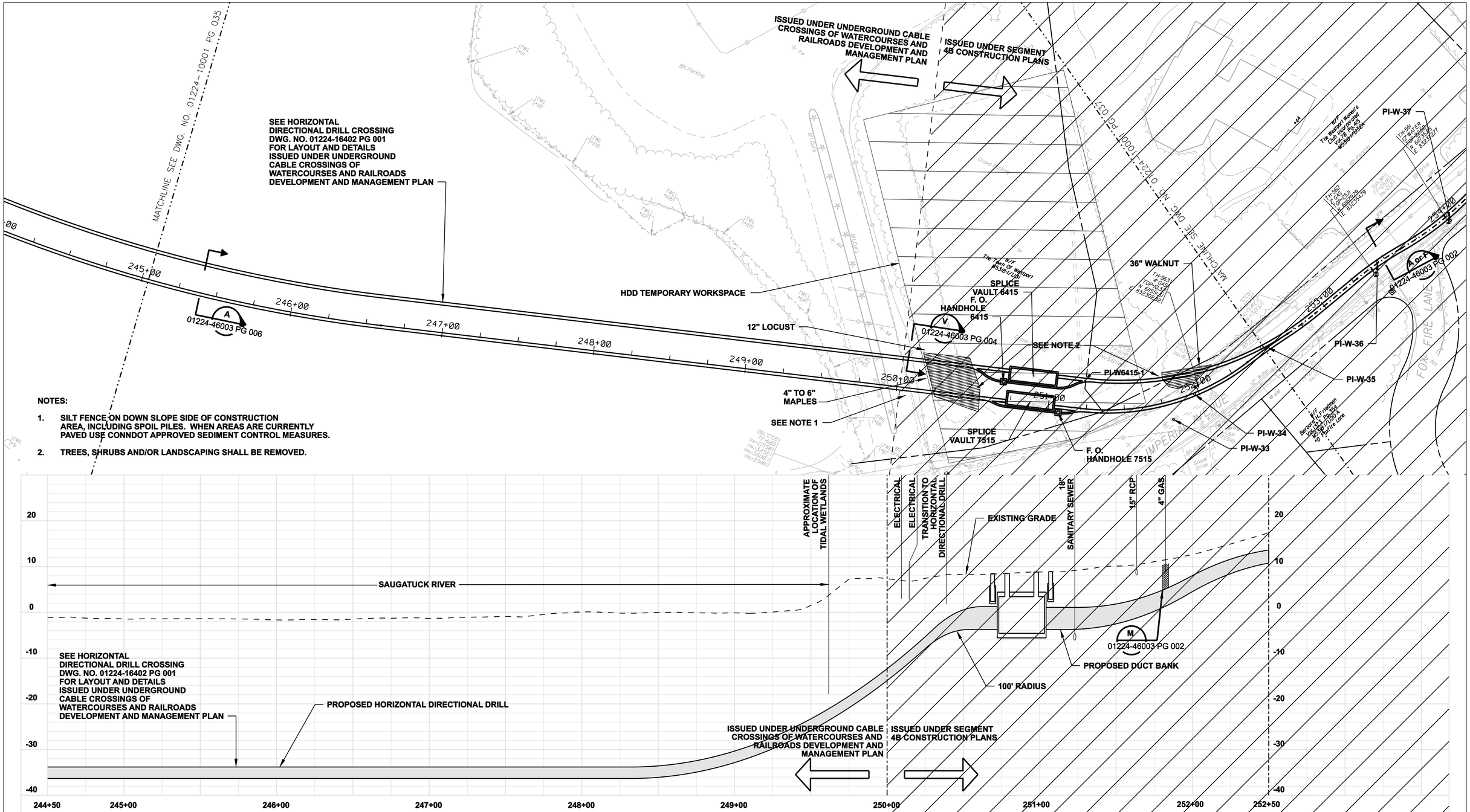
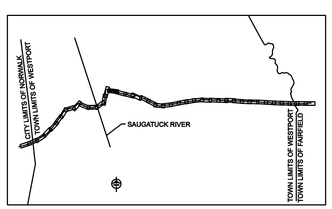


NOTES:

1. SILT FENCE ON DOWN SLOPE SIDE OF CONSTRUCTION AREA, INCLUDING SPOIL PILES. WHEN AREAS ARE CURRENTLY PAVED USE CONNDOT APPROVED SEDIMENT CONTROL MEASURES.
2. TREES, SHRUBS AND/OR LANDSCAPING SHALL BE REMOVED.



NORTH

0 30' 60'
HORIZONTAL SCALE IN FEET
0 10' 20'
VERTICAL SCALE IN FEET

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1	6/1/06	ISSUED 60% PRELIMINARY	CTC	

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SINCE 1898

date 11/10/05
detailed L. ROWSE
designed C. COURTRIGHT
checked S. NEWLAND

MF	NO.	DATE	REVISIONS	BY	CHK	APP	APP

NORTHEAST UTILITIES SERVICE CO.

FOR THE CONNECTICUT LIGHT & POWER COMPANY

TITLE MIDDLETOWN–NORWALK 345kV TRANSMISSION PROJECT

TOWN OF WESTPORT
PLAN AND PROFILE Sta. 244+50 to 252+50

BY SEN–BMCD	CHKD	APP	APP
DATE 11–10–05	DATE	DATE	DATE
SCALE AS NOTED	D	DWG. NO. 01224–10001 PG 036	

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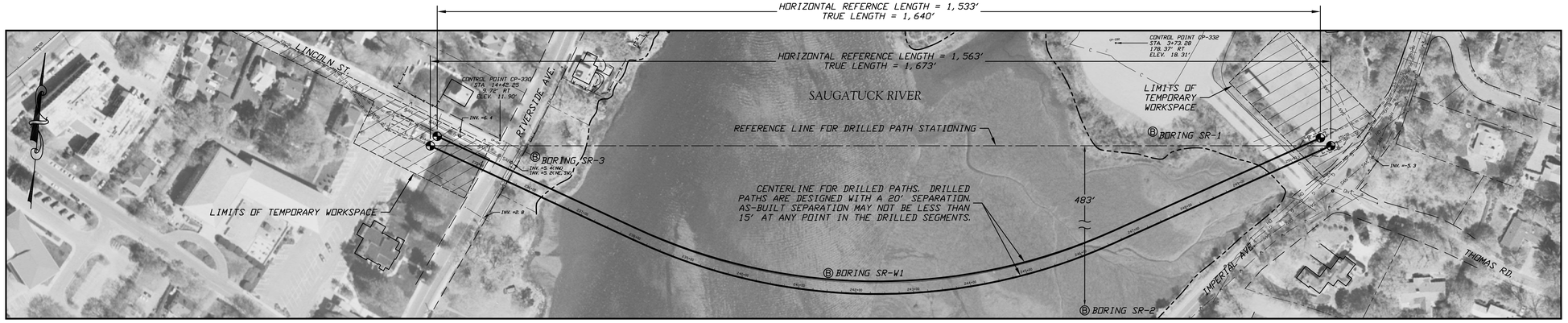
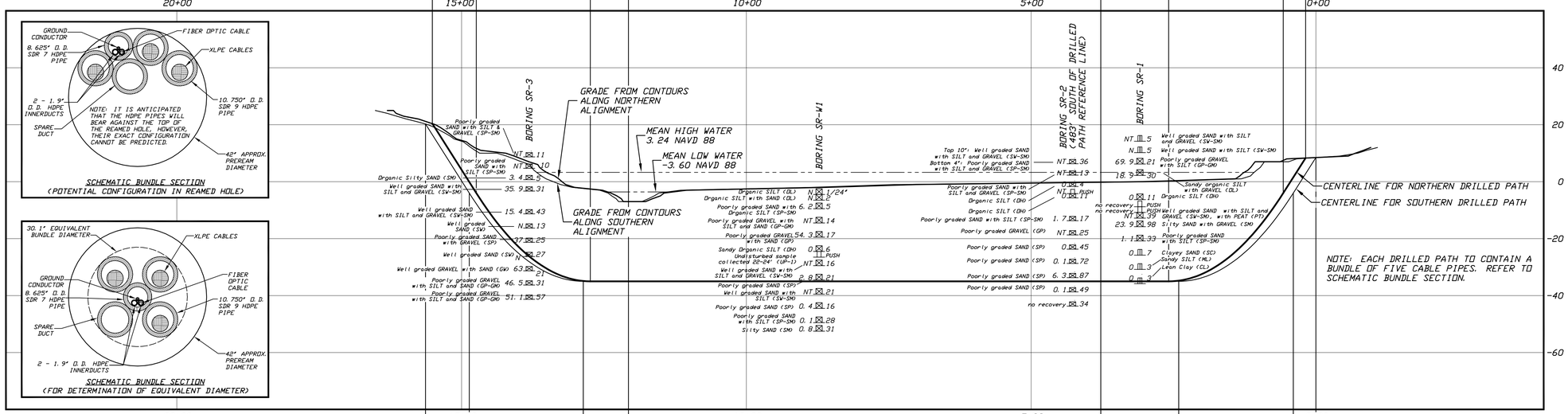


PLAN

SCALE: 1" = 100'

COORDINATES FOR NORTHERN HDD ALIGNMENT



COORDINATES FOR SOUTHERN HDD ALIGNMENT

PROFILE

SCALE: 1" = 100' HORIZONTAL
1" = 20' VERTICAL

EXIT POINT @ 16°
15+63.29, 20.24, 0.00' RIGHT
N 611329.63, E 830652.03

P.T. 16° SAG BEND
14+86.54, -4.01'
35.50 LEFT

P.T. 49° SIDE BEND
12+07.05, -35.00
164.80' LEFT

P.C. 16° SAG BEND
12+86.41, -35.00'
128.08 LEFT
RADIUS = 800'

P.C. 49° SIDE BEND
3+77.73, -35.00
169.93' LEFT
RADIUS = 1000'

P.T. 16° SAG BEND
2+40.81, -35.00
108.08' LEFT

P.C. 16° SAG BEND
0+39.64, -4.01
17.79' LEFT
RADIUS = 800'

ENTRY POINT @ 16°
0+00.00, 8.45, 0.00' RIGHT
N 611470.39, E 832208.97

PROTECTION OF UNDERGROUND FACILITIES

CONTRACTOR SHALL UNDERTAKE THE FOLLOWING STEPS PRIOR TO COMMENCING DRILLING OPERATIONS:

1. CONTACT THE UTILITY LOCATION/ NOTIFICATION SERVICE FOR THE CONSTRUCTION AREA.

2. POSITIVELY LOCATE AND STAKE ALL EXISTING UNDERGROUND FACILITIES. ANY FACILITIES LOCATED WITHIN 10 FEET OF THE DESIGNED DRILLED PATH SHALL BE EXPOSED.

3. MODIFY DRILLING PRACTICES AND DOWNHOLE ASSEMBLIES AS NECESSARY TO PREVENT DAMAGE TO EXISTING FACILITIES.

GENERAL NOTES

1. TOPOGRAPHIC SURVEY DATA PROVIDED BY BL COMPANIES, MERIDEN, CONNECTICUT.

2. NORTHINGS AND EASTINGS ARE IN U.S. SURVEY FEET REFERENCED TO CONNECTICUT STATE PLANE COORDINATES, NAD 83.

3. ELEVATIONS ARE IN FEET REFERENCED TO NAVD 88.

4. STATIONING IS IN FEET BY HORIZONTAL MEASUREMENT AND IS REFERENCED TO CONTROL ESTABLISHED FOR THE DRILLED SEGMENTS.

5. DRILLED PATH COORDINATES REFER TO CENTERLINE OF PIPE.

PILOT HOLE TOLERANCES

THE PILOT HOLES SHALL BE DRILLED TO THE TOLERANCES LISTED BELOW. HOWEVER, IN ALL CASES, RIGHT-OF-WAY RESTRICTIONS AND CONCERN FOR ADJACENT UTILITIES SHALL TAKE PRECEDENCE OVER THESE TOLERANCES.

1. ELEVATION - PLUS 0 FEET, MINUS 10 FEET

2. ALIGNMENT - PLUS OR MINUS 5 FEET BUT NO CLOSER THAN 15 FEET BETWEEN THE DRILLED PATHS

3. ENTRY POINT - AT THE STAKED LOCATION

4. EXIT POINT - PLUS OR MINUS 5 FEET IN ALIGNMENT, PLUS OR MINUS 10 FEET IN LENGTH

GEOTECHNICAL NOTES

1. GEOTECHNICAL DATA TAKEN FROM A MARCH 2006 GEOTECHNICAL EVALUATION REPORT PRODUCED BY GZA GEOENVIRONMENTAL, INC., NORWOOD, MASSACHUSETTS. REFER TO THIS REPORT FOR MORE DETAILED SUBSURFACE INFORMATION.

2. THE LETTER "N" TO THE LEFT OF A SPLIT SPOON SAMPLE INDICATES THAT NO GRAVEL WAS OBSERVED IN THE SAMPLE. THE LETTERS "NT" INDICATE THAT GRAVEL WAS OBSERVED BUT NO GRADATION TESTS WERE PERFORMED.

3. THE GEOTECHNICAL DATA IS ONLY DESCRIPTIVE OF THE LOCATIONS ACTUALLY SAMPLED. EXTENSION OF THIS DATA OUTSIDE OF THE ORIGINAL BORINGS MAY BE DONE TO CHARACTERIZE THE SOIL CONDITIONS; HOWEVER, COMPANY DOES NOT GUARANTEE THESE CHARACTERIZATIONS TO BE ACCURATE. CONTRACTOR MUST USE HIS OWN EXPERIENCE AND JUDGEMENT IN INTERPRETING THIS DATA.

GENERAL LEGEND

DRILLED PATH ENTRY/EXIT POINT

GEOTECHNICAL LEGEND

B — BORING LOCATION

2" O.D. SPLIT SPOON SAMPLE

53 23 — PENETRATION RESISTANCE IN BLOWS PER FOOT FOR A 140 POUND HAMMER FALLING 30 INCHES
— PERCENTAGE OF GRAVEL BY WEIGHT FOR SAMPLES CONTAINING GRAVEL

3" O.D. SPLIT SPOON SAMPLE

53 23 — PENETRATION RESISTANCE IN BLOWS PER FOOT FOR A 140 POUND HAMMER FALLING 30 INCHES
— PERCENTAGE OF GRAVEL BY WEIGHT FOR SAMPLES CONTAINING GRAVEL

0 100' 200'
HORIZONTAL SCALE IN FEET
0 20' 40'
VERTICAL SCALE IN FEET

ISSUED FOR CONSTRUCTION

no.	date	revisions	by	chk

John D. Hair, P.E.
Consulting Engineer

date	detailed
09-01-06	
designed	checked
JDH&A (JSP/MST)	JDH&A (DLB)

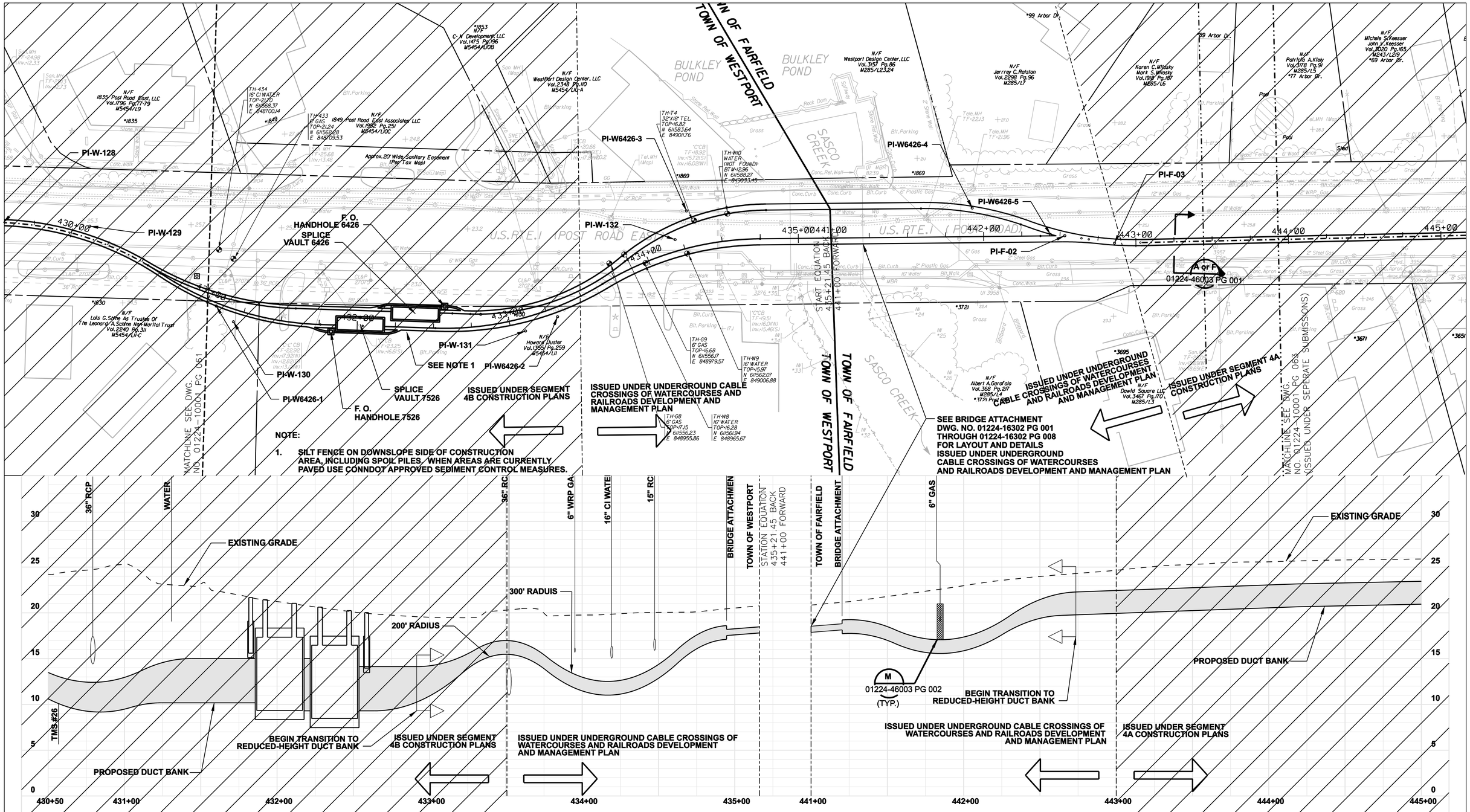
MF	NO.	DATE	REVISIONS	BY	CHK	APP	APP

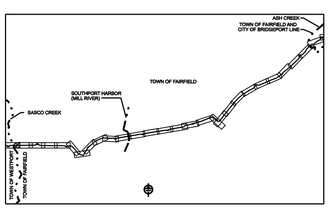
NORTHEAST UTILITIES SERVICE CO.

FOR THE CONNECTICUT LIGHT & POWER COMPANY

TITLE MIDDLETOWN–NORWALK 345kV TRANSMISSION PROJECT
PLAN AND PROFILE
CROSSING OF THE SAUGATUCK RIVER
BY HORIZONTAL DIRECTIONAL DRILLING
WESTPORT, CONNECTICUT

BY	CHKD	APP	APP
DATE	DATE	DATE	DATE
SCALE AS NOTED	D	DWG. NO. 01224–16402 PG 001	





NORTH

0 30' 60'
HORIZONTAL SCALE IN FEET
0 5' 10'
VERTICAL SCALE IN FEET

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Burns & McDonnell
SINCE 1898

date 08/15/05
detailed L. ROWSE
designed C. COURTRIGHT
checked S. NEWLAND

MF	NO.	DATE	REVISIONS	BY	CHK	APP	APP

NORTHEAST UTILITIES SERVICE CO.

FOR THE CONNECTICUT LIGHT & POWER COMPANY

TITLE MIDDLETOWN–NORWALK 345kV TRANSMISSION PROJECT

TOWN OF WESTPORT/TOWN OF FAIRFIELD
PLAN AND PROFILE Sta. 430+50 to 445+00

BY SEN–BMCD	CHKD	APP	APP
DATE 8–15–05	DATE	DATE	DATE
SCALE AS NOTED	D	DWG. NO. 01224–10001 PG 062	

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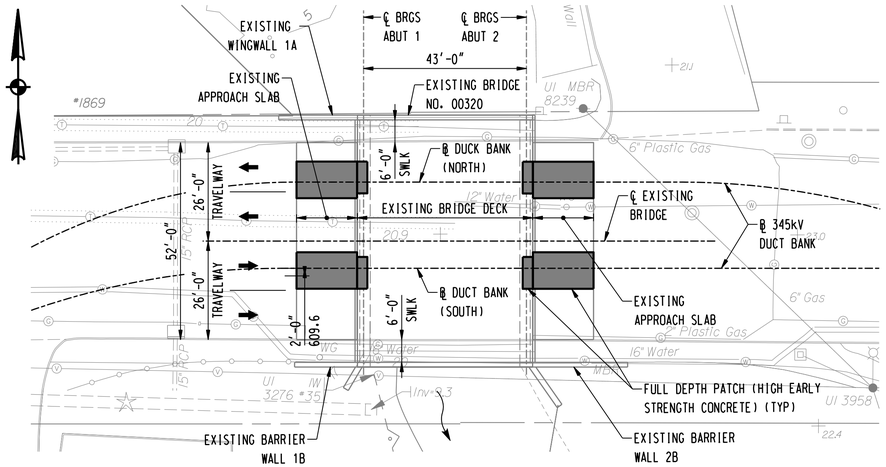
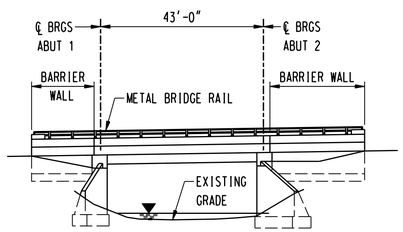


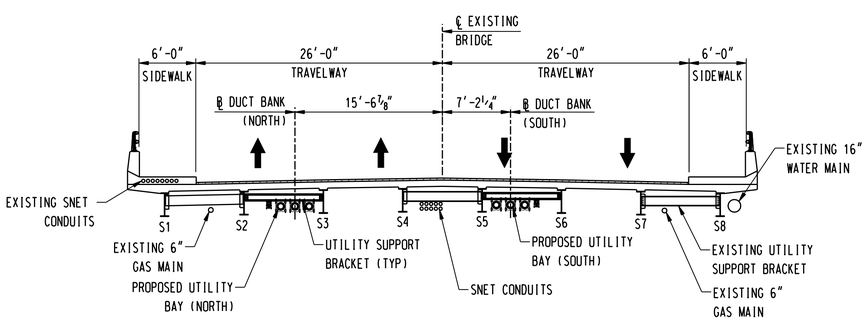
PLAN

SCALE: 1" = 20'-0"



ELEVATION

SCALE: 1" = 20'-0"



TYPICAL CROSS SECTION

SCALE: 1/8" = 1'-0"

TABLE OF QUANTITIES

ITEM	UNIT	QUANTITY
REMOVAL OF BITUMINOUS WEARING SURFACE	SY	120
STRUCTURE EXCAVATION - EARTH (COMPLETE)	CY	46
PERVIOUS STRUCTURE BACKFILL	CY	7
SUPERPAVE 0.500"	TON	10
SUPERPAVE #4	TON	7
SHEAR CONNECTORS (SITE G)	LS	1
CLASS "A" CONCRETE	CY	3
FULL DEPTH PATCH (HIGH EARLY STRENGTH CONCRETE)	CY	36
ASPHALTIC PLUG EXPANSION JOINT SYSTEM	LF	60
DEFORMED STEEL BARS (EPOXY COATED)	LB	1600
DRILLING AND GROUTING REINFORCING BARS	LF	400
STRUCTURAL STEEL - MISCELLANEOUS (SITE G)	CWT	50
MEMBRANE WATERPROOFING (WOVEN GLASS FABRIC)	SY	108
DAMPPROOFING	SY	10
REMOVAL OF EXISTING MASONRY	CF	3
INSTALLATION OF FIBERGLASS CONDUIT SYSTEM - COMPLETE	LS	1

NOTICE TO BRIDGE INSPECTORS

THE DEPARTMENT'S BRIDGE SAFETY PROCEDURES REQUIRE THIS BRIDGE TO BE INSPECTED FOR, BUT NOT LIMITED TO, ALL APPROPRIATE COMPONENTS INDICATED IN THE GOVERNING MANUALS FOR BRIDGE INSPECTION. ATTENTION MUST BE GIVEN TO INSPECTING THE FOLLOWING SPECIAL COMPONENTS AND DETAILS. (THE LISTING FOR COMPONENTS FOR SPECIFIC ATTENTION SHALL NOT BE CONSTRUED TO REDUCE THE IMPORTANCE OF INSPECTION OF ANY OTHER COMPONENT OF THE STRUCTURE.) THE FREQUENCY OF INSPECTION OF THIS STRUCTURE SHALL BE IN ACCORDANCE WITH THE GOVERNING MANUALS FOR BRIDGE INSPECTION, UNLESS OTHERWISE DIRECTED BY THE MANAGER OF BRIDGE SAFETY AND EVALUATION.

COMPONENT OR DETAIL	STRUCTURE SHEET REFERENCE
NONE	-

INSPECTION OF FIELD WELDS

METHOD	UNIT	QUANTITY
ULTRASONIC	inch	0
MAGNETIC PARTICLE	feet	0

CONCRETE DISTRIBUTION

SUPERSTRUCTURE	C.Y.	36
SUBSTRUCTURE	C.Y.	3
FOOTINGS	C.Y.	0
TOTAL	C.Y.	39

TRANSPORTATION DIMENSIONS AND MASS DATA

MEMBER	SHIPPING LENGTH	SHIPPING HEIGHT	SHIPPING WIDTH	SHIPPING WEIGHT
DIAPHRAGM	8' - 4 5/8"	1'-6"	6"	250 LB.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATION BY BL COMPANIES AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OF ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

GENERAL NOTES

SPECIFICATIONS: CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 816 (2004), SUPPLEMENTAL SPECIFICATIONS DATED JULY, 2005, AND THE SPECIAL PROVISIONS.

DESIGN SPECIFICATIONS: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 3RD EDITION (2004); AS SUPPLEMENTED BY THE CONNECTICUT DEPARTMENT OF TRANSPORTATION BRIDGE DESIGN MANUAL, 2003 EDITION, UP TO AND INCLUDING 2006 REVISIONS.

ALLOWABLE DESIGN STRESSES:

CLASS "A" CONCRETE	BASED ON	f'c = 3000 PSI
FULL DEPTH PATCH CONCRETE	BASED ON	f'c = 4000 PSI
REINFORCEMENT		
ASTM A615, GRADE 60	BASED ON	fy = 60,000 PSI
STRUCTURAL STEEL		
AASHTO M270, GRADE 50T2	BASED ON	Fy = 50,000 PSI

STRUCTURAL STEEL: SEE STRUCTURAL STEEL NOTES FOR DESIGNATIONS AND REQUIREMENTS.

PAINT: NO PAINTING OF THE STRUCTURAL STEEL IS REQUIRED. STEEL SURFACES ARE TO BE HOT-DIP GALVANIZED IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

DIMENSIONS & ELEVATIONS: WHEN DIMENSIONS AND ELEVATIONS ARE GIVEN TO LESS THAN THREE DECIMAL PLACES, THE OMITTED DIGITS SHALL BE CONSIDERED TO BE ZEROS. ALL ELEVATIONS ARE GIVEN IN DECIMAL FEET.

BITUMINOUS CONCRETE OVERLAY: THIS SHALL CONSIST OF TWO LIFTS. THE FIRST SHALL BE SUPERPAVE #4 (1" THICK) AND THE SECOND SHALL BE SUPERPAVE 0.50-INCH (1 1/2" THICK).

EXISTING DIMENSIONS: DIMENSIONS OF THE EXISTING STRUCTURE SHOWN ON THESE PLANS ARE FOR GENERAL REFERENCE ONLY. THEY HAVE BEEN TAKEN FROM THE ORIGINAL DESIGN DRAWINGS AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL TAKE ALL FIELD MEASUREMENTS NECESSARY TO ASSURE PROPER FIT OF THE FINISHED WORK AND SHALL ASSUME FULL RESPONSIBILITY FOR THEIR ACCURACY. WHEN SHOP DRAWINGS BASED ON FIELD MEASUREMENTS ARE SUBMITTED FOR APPROVAL, THE FIELD MEASUREMENTS SHALL ALSO BE SUBMITTED FOR REFERENCE BY THE REVIEWER.

CONCRETE NOTES

REMAIN-IN-PLACE: THE USE OF REMAIN-IN-PLACE FORMS ON THIS STRUCTURE IS NOT ALLOWED.

COMPOSITE CONSTRUCTION: NO TEMPORARY INTERMEDIATE SUPPORTS SHALL BE USED PRIOR TO AND DURING THE PLACING AND SETTING OF THE CONCRETE DECK SLAB. LIVE LOADS (TRAFFIC AND CONSTRUCTION) WILL BE PERMITTED ON THE FULL DEPTH PATCH ONLY AFTER THE CONCRETE HAS REACHED A STRENGTH OF f'c = 4,000 PSI.

CLASS "A" CONCRETE: CLASS "A" CONCRETE SHALL BE USED FOR THE SUBSTRUCTURES.

FULL DEPTH PATCH CONCRETE: FULL DEPTH PATCH CONCRETE SHALL BE USED FOR THE BRIDGE DECK AND APPROACH SLABS WITHIN IN LIMITSSHOWN ON THESE PLANS. SEE SPECIAL PROVISIONS FOR THE HIGH EARLY STRENGTH AND NON-SHRINK REQUIREMENTS. COST OF FURNISHING AND INSTALL FULL DEPTH PATCH CONCRETE SHALL BE PAID FOR UNDER THE ITEM "FULL DEPTH PATCH HIGH EARLY STRENGTH CONCRETE)".

JOINT SEAL: SEE SPECIAL PROVISIONS

EXPOSED EDGES: EXPOSED EDGES OF CONCRETE SHALL BE BEVELED 1"X1", UNLESS OTHERWISE NOTED.

CONCRETE COVER: ALL REINFORCEMENT SHALL HAVE TWO INCHES OF CLEAR COVER, UNLESS OTHERWISE NOTED.

REINFORCEMENT: ALL REINFORCEMENT SHALL BE ASTM A615, GRADE 60.

CONSTRUCTION JOINTS: CONSTRUCTION JOINTS, OTHER THAN THOSE SHOWN ON THE PLANS, WILL NOT BE PERMITTED WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.

EPOXY COATED REINFORCING BARS: ALL REINFORCEMENT IN THE SUPERSTRUCTURE, INCLUDING THE CONCRETE DECK SLAB SHALL BE EPOXY COATED UNLESS OTHERWISE NOTED. THESE BARS SHALL BE INCLUDED IN THE PAY ITEM FOR "DEFORMED STEEL BARS (EPOXY COATED)". ALL REINFORCEMENT IN THE CONCRETE APPROACH SLABS INCLUDING THOSE IN THE HEADERS SHALL BE EPOXY COATED. THESE BARS SHALL BE INCLUDED IN THE ITEM "DEFORMED STEEL BARS (EPOXY COATED)".

FELT: COST OF FURNISHING AND PLACING 15-LBS ROOFING FELT IS INCLUDED IN THE ITEM "CLASS 'A' CONCRETE".

PREFORMED EXPANSION JOINT FILLER: THE COST OF FURNISHING AND INSTALLING PREFORMED EXPANSION JOINT FILLERS SHALL BE INCLUDED IN THE ITEM "CLASS 'A' CONCRETE".

CLOSED CELL ELASTOMER: THE COST OF FURNISHING AND INSTALLING CLOSED CELL ELASTOMER SHALL BE INCLUDED IN THE COST OF THE ITEM "CLASS 'A' CONCRETE".

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www.blcompanies.com

date 2/22/07
detailed M .BEAULIEU
designed M. BEAULIEU
checked D. QUINIT / B. KUTA

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NORTHEAST UTILITIES SERVICE CO.

FOR THE CONNECTICUT LIGHT & POWER COMPANY

TITLE MIDDLETOWN–NORWALK 345kV TRANSMISSION PROJECT

SASCO CREEK
GENERAL PLAN, ELEVATION AND SECTION

BY	CHKD	APP	APP
DATE	DATE	DATE	DATE
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ISSUED UNDER SEGMENT 4A CONSTRUCTION PLANS

ISSUED UNDER UNDERGROUND CABLE CROSSINGS OF WATERCOURSES AND RAILROADS DEVELOPMENT AND MANAGEMENT PLAN

MATCHLINE SEE DWG. NO. 01224-10001 PG 071

MATCHLINE SEE DWG. NO. 01224-10001 PG 073

SEE BRIDGE ATTACHMENT DWG. NO. 01224-16303 PG 001 THROUGH DWG. NO. 01224-16303 PG 008 FOR LAYOUT AND DETAILS ISSUED UNDER UNDERGROUND CABLE CROSSINGS OF WATERCOURSES AND RAILROADS DEVELOPMENT AND MANAGEMENT PLAN

LACEY PLACE (Private)

U.S. RTE. 1 (POST ROAD)

SOUTHPORT HARBOR

PI-F-44

PI-F6430-2

PI-F-43

SPLICE VAULT 6430

F.O. HANDHOLE 6430

PI-F-46

PI-F-45

PI-MR-01

PI-MR-02

PI-MR-03

PI-MR-04

A or F 01224-46003 PG 002

507+00 508+00 509+00 510+00 511+00 512+00 513+00 514+00

16" SANITARY SEWER

6" PLASTIC GAS

6" PLASTIC GAS (MAP)

WATER

M 01224-46003 PG 002 (TYP.)

EXISTING GRADE

TELEPHONE

6" WATER

12" CI GAS (MAP)

TELEPHONE

16" WATER

WATER

6" GAS (ABAND)

SANITARY SEWER

BRIDGE ATTACHMENT

BRIDGE ATTACHMENT

6" GAS (ABAND)

16" WATER

TELEPHONE

12" GAS (MAP)

PROPOSED DUCT BANK

ISSUED UNDER SEGMENT 4A CONSTRUCTION PLANS

ISSUED UNDER UNDERGROUND CABLE CROSSINGS OF WATERCOURSES AND RAILROADS DEVELOPMENT AND MANAGEMENT PLAN

SEE BRIDGE ATTACHMENT DWG. NO. 01224-16303 PG 001 THROUGH DWG. NO. 01224-16303 PG 008 FOR LAYOUT AND DETAILS ISSUED UNDER UNDERGROUND CABLE CROSSINGS OF WATERCOURSES AND RAILROADS DEVELOPMENT AND MANAGEMENT PLAN

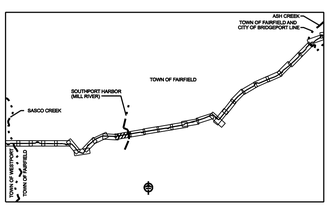
BEGIN TRANSITION TO REDUCED-HEIGHT DUCT BANK

BEGIN TRANSITION TO REDUCED-HEIGHT DUCT BANK

30 25 20 15 10 5 0

20 15 10 5 0 -5 -10

505+50 506+00 507+00 508+00 509+00 510+00 511+00 512+00 513+00 514+00



NORTH

0 30' 60'
HORIZONTAL SCALE IN FEET

0 5' 10'
VERTICAL SCALE IN FEET

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Burns & McDonnell SINCE 1898

date 08/15/05 | detailed L. ROWSE

designed C. COURTRIGHT | checked S. NEWLAND

MF	NO.	DATE	REVISIONS	BY	CHK	APP	APP

NORTHEAST UTILITIES SERVICE CO.

FOR THE CONNECTICUT LIGHT & POWER COMPANY

TITLE MIDDLETOWN–NORWALK 345kV TRANSMISSION PROJECT

TOWN OF FAIRFIELD ROUTE
PLAN AND PROFILE Sta. 505+50 to 514+50

BY SEN–BMCD	CHKD	APP	APP
DATE 8–15–05	DATE	DATE	DATE
SCALE AS NOTED	D	DWG. NO. 01224–10001 PG 072	

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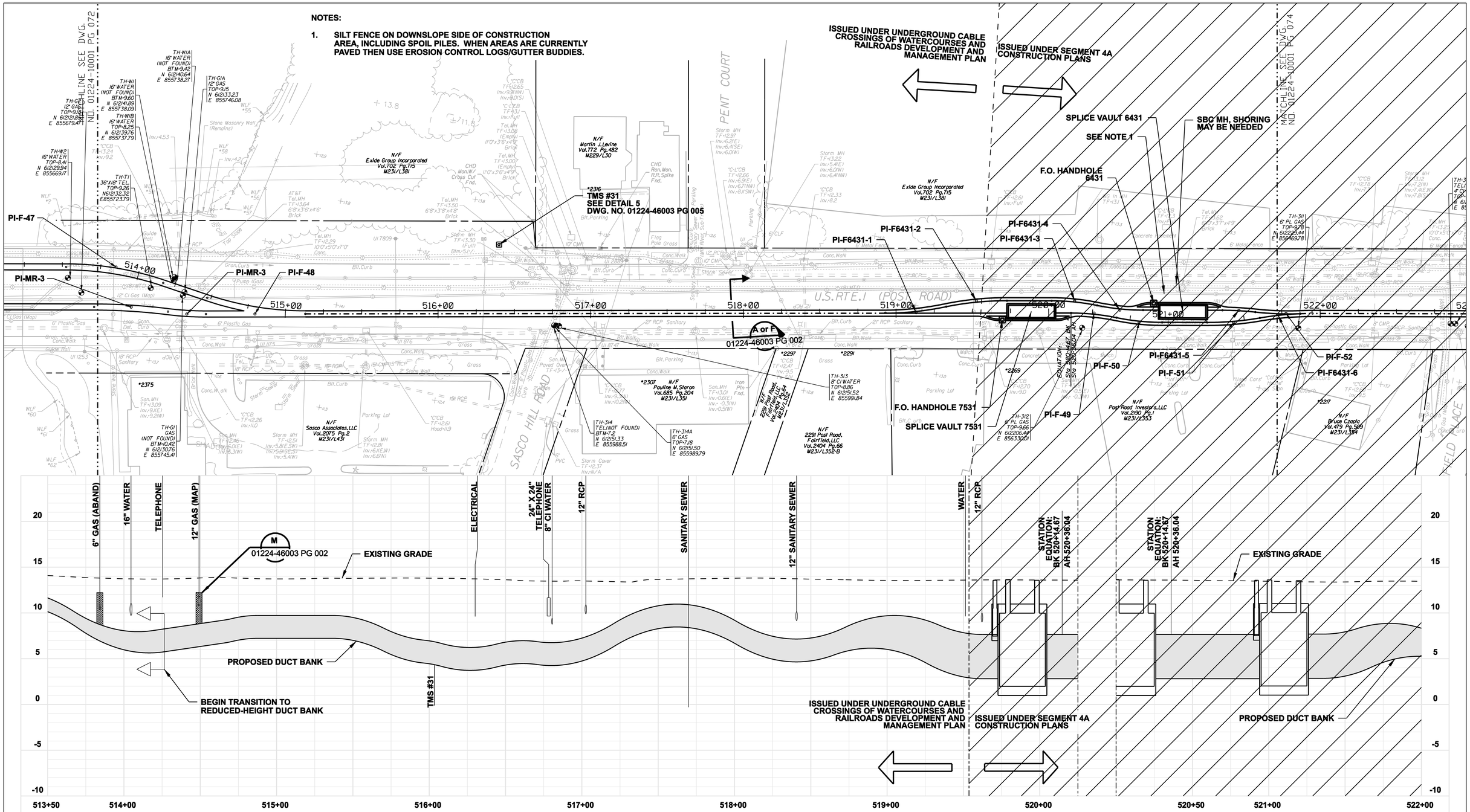
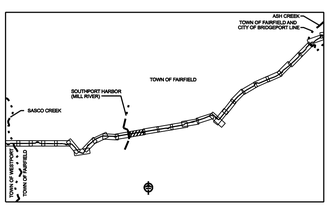
NOTES:

1. SILT FENCE ON DOWNSLOPE SIDE OF CONSTRUCTION AREA, INCLUDING SPOIL PILES. WHEN AREAS ARE CURRENTLY PAVED THEN USE EROSION CONTROL LOGS/GUTTER BUDDIES.





NORTH

0 30' 60'
HORIZONTAL SCALE IN FEET
0 5' 10'
VERTICAL SCALE IN FEET

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

DOCKET No. 272

no.	date	revisions	by	chk
4	4/5/07	ISSUED CSC REVISED	CTC	
3	2/26/07	ISSUED DOT/ MUNICIPALITY REVIEW	CTC	
2	9/4/06	ISSUED CSC	CTC	
1	6/1/06	ISSUED 60% PRELIMINARY	CTC	

Burns & McDonnell
SINCE 1898

date 08/15/05
detailed L. ROWSE
designed C. COURTRIGHT
checked S. NEWLAND

MF	NO.	DATE	REVISIONS	BY	CHK	APP	APP

NORTHEAST UTILITIES SERVICE CO.

FOR THE CONNECTICUT LIGHT & POWER COMPANY

TITLE MIDDLETOWN–NORWALK 345kV TRANSMISSION PROJECT

TOWN OF FAIRFIELD ROUTE
PLAN AND PROFILE Sta. 513+50 to 522+00

BY SEN–BMCD	CHKD	APP	APP
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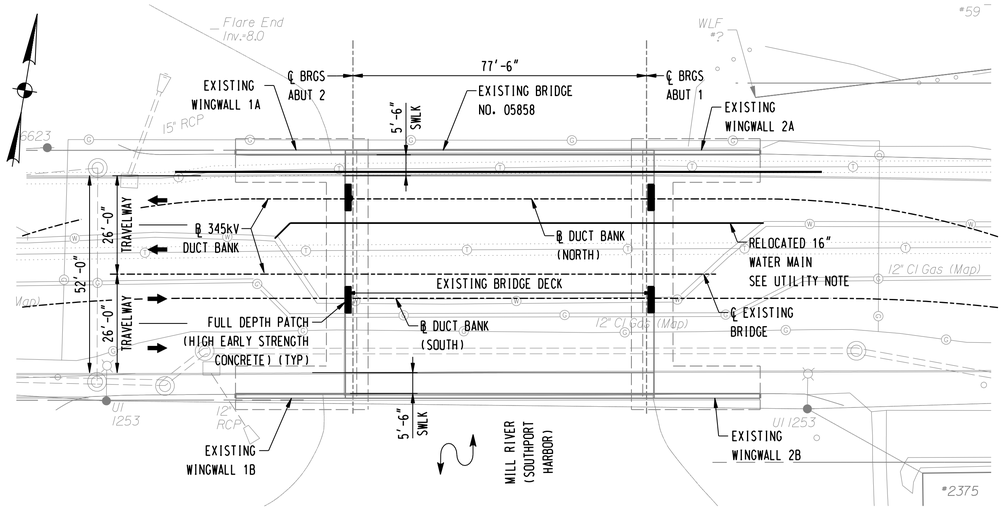
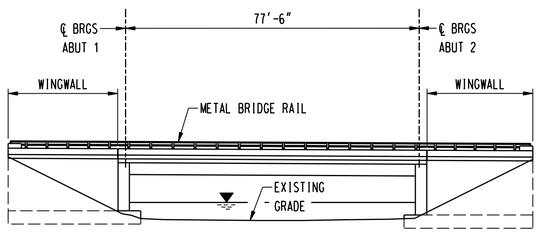


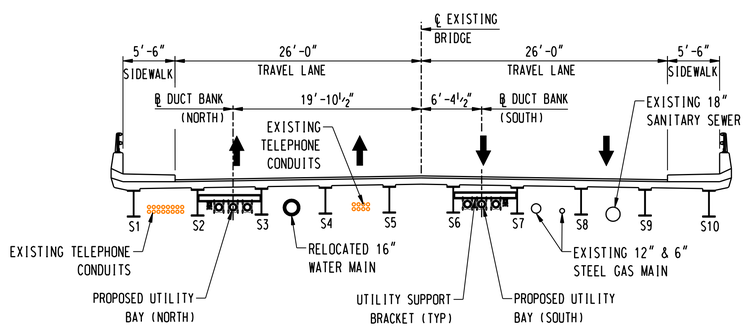
PLAN

SCALE: 1" = 20'-0"



ELEVATION

SCALE: 1" = 20'-0"



TYPICAL CROSS SECTION

SCALE: ⅛" = 1'-0"

UTILITY NOTE

1. THE RELOCATION OF THE EXISTING 16" DIAMETER WATER MAIN SHALL BE RELOCATED BY AQUARION WATER. THE COST OF DESIGN, FURNISHING, INSTALLING AND REMOVAL OF THE EXISTING WATER MAIN SHALL BE THE RESPONSIBILITY OF AQUARION WATER.

TABLE OF QUANTITIES

ITEM	UNIT	QUANTITY
REMOVAL OF BITUMINOUS WEARING SURFACE	SY	15
STRUCTURE EXCAVATION - EARTH (COMPLETE)	CY	32
PERVIOUS STRUCTURE BACKFILL	CY	4
SUPERPAVE 0.500"	TON	2
SUPERPAVE #4	TON	1
CLASS "A" CONCRETE	CY	4
FULL DEPTH PATCH (HIGH EARLY STRENGTH CONCRETE)	CY	4
ASPHALTIC PLUG EXPANSION JOINT	LF	40
DRILLING AND GROUTING REINFORCING BARS	LF	200
FIELD TOUCH - UP PAINTING	SF	50
STRUCTURAL STEEL - MISCELLANEOUS (SITE G)	CWT	40
MEMBRANE WATERPROOFING (WOVEN GLASS FABRIC)	SY	30
DAMPPROOFING	SY	10
REMOVAL OF EXISTING MASONRY	CF	4
INSTALLATION OF FIBERGLASS CONDUIT SYSTEM - COMPLETE	LS	1

NOTICE TO BRIDGE INSPECTORS

THE DEPARTMENT'S BRIDGE SAFETY PROCEDURES REQUIRE THIS BRIDGE TO BE INSPECTED FOR, BUT NOT LIMITED TO, ALL APPROPRIATE COMPONENTS INDICATED IN THE GOVERNING MANUALS FOR BRIDGE INSPECTION. ATTENTION MUST BE GIVEN TO INSPECTING THE FOLLOWING SPECIAL COMPONENTS AND DETAILS. (THE LISTING FOR COMPONENTS FOR SPECIFIC ATTENTION SHALL NOT BE CONSTRUED TO REDUCE THE IMPORTANCE OF INSPECTION OF ANY OTHER COMPONENT OF THE STRUCTURE.) THE FREQUENCY OF INSPECTION OF THIS STRUCTURE SHALL BE IN ACCORDANCE WITH THE GOVERNING MANUALS FOR BRIDGE INSPECTION, UNLESS OTHERWISE DIRECTED BY THE MANAGER OF BRIDGE SAFETY AND EVALUATION.

COMPONENT OR DETAIL	STRUCTURE SHEET REFERENCE
NONE	-

INSPECTION OF FIELD WELDS

METHOD	UNIT	QUANTITY
ULTRASONIC	inch	0
MAGNETIC PARTICLE	feet	0

CONCRETE DISTRIBUTION

SUPERSTRUCTURE	C.Y.	4
SUBSTRUCTURE	C.Y.	4
FOOTINGS	C.Y.	0
TOTAL	C.Y.	8

TRANSPORTATION DIMENSIONS AND MASS DATA

MEMBER	SHIPPING LENGTH	SHIPPING HEIGHT	SHIPPING WIDTH	SHIPPING WEIGHT
DIAPHRAGM	6' - 5⅝"	10"	6"	250 LB.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATION BY BL COMPANIES AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OF ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

GENERAL NOTES

SPECIFICATIONS: CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 816 (2004), SUPPLEMENTAL SPECIFICATIONS DATED JULY, 2005, AND THE SPECIAL PROVISIONS.

DESIGN SPECIFICATIONS: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 3RD EDITION (2004); AS SUPPLEMENTED BY THE CONNECTICUT DEPARTMENT OF TRANSPORTATION BRIDGE DESIGN MANUAL, 2003 EDITION, UP TO AND INCLUDING 2006 REVISIONS.

ALLOWABLE DESIGN STRESSES:

CLASS "A" CONCRETE	BASED ON	f'c = 3000 PSI
FULL DEPTH PATCH CONCRETE	BASED ON	f'c = 4000 PSI
REINFORCEMENT		
ASTM A615, GRADE 60	BASED ON	fy = 60,000 PSI
STRUCTURAL STEEL		
AASHTO M270, GRADE 50T2	BASED ON	Fy = 50,000 PSI

STRUCTURAL STEEL: SEE STRUCTURAL STEEL NOTES FOR DESIGNATIONS AND REQUIREMENTS.

PAINT: PAINT SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIAL PROVISIONS, "STRUCTURAL STEEL - (MISCELLANEOUS) (SITE No. H)." THE COLOR OF THE TOP COAT MATERIAL ON THE STRUCTURAL STEEL SHALL CONFORM TO THE FERDERAL STANDARD COLOR No. , (COLOR).

DIMENSIONS & ELEVATIONS: WHEN DIMENSIONS AND ELEVATIONS ARE GIVEN TO LESS THAN THREE DECIMAL PLACES, THE OMITTED DIGITS SHALL BE CONSIDERED TO BE ZEROS. ALL ELEVATIONS ARE GIVEN IN DECIMAL FEET.

BITUMINOUS CONCRETE OVERLAY: THIS SHALL CONSIST OF TWO LIFTS. THE FIRST SHALL BE SUPERPAVE #4 (1" THICK) AND THE SECOND SHALL BE SUPERPAVE 0.50-INCH (1½" THICK).

EXISTING DIMENSIONS: DIMENSIONS OF THE EXISTING STRUCTURE SHOWN ON THESE PLANS ARE FOR GENERAL REFERENCE ONLY. THEY HAVE BEEN TAKEN FROM THE ORIGINAL DESIGN DRAWINGS AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL TAKE ALL FIELD MEASUREMENTS NECESSARY TO ASSURE PROPER FIT OF THE FINISHED WORK AND SHALL ASSUME FULL RESPONSIBILITY FOR THEIR ACCURACY. WHEN SHOP DRAWINGS BASED ON FIELD MEASUREMENTS ARE SUBMITTED FOR APPROVAL, THE FIELD MEASUREMENTS SHALL ALSO BE SUBMITTED FOR REFERENCE BY THE REVIEWER.

CONCRETE NOTES

REMAIN-IN-PLACE: THE USE OF REMAIN-IN-PLACE FORMS ON THIS STRUCTURE IS NOT ALLOWED.

COMPOSITE CONSTRUCTION: NO TEMPORARY INTERMEDIATE SUPPORTS SHALL BE USED PRIOR TO AND DURING THE PLACING AND SETTING OF THE CONCRETE DECK SLAB. LIVE LOADS (TRAFFIC AND CONSTRUCTION) WILL BE PERMITTED ON THE FULL DEPTH PATCH ONLY AFTER THE CONCRETE HAS REACHED A STRENGTH OF f'c = 4,000 PSI.

CLASS "A" CONCRETE: CLASS "A" CONCRETE SHALL BE USED FOR THE SUBSTRUCTURES.

FULL DEPTH PATCH CONCRETE: FULL DEPTH PATCH CONCRETE SHALL BE USED FOR THE BRIDGE DECK WITHIN THE LIMITS SHOWN ON THESE PLANS. SEE SPECIAL PROVISIONS FOR THE HIGH EARLY STRENGTH AND NON-SHRINK REQUIREMENTS. COST OF FURNISHING AND INSTALL FULL DEPTH PATCH CONCRETE SHALL BE PAID FOR UNDER THE ITEM "FULL DEPTH PATCH (HIGH EARLY STRENGTH CONCRETE)".

JOINT SEAL: SEE SPECIAL PROVISIONS.

EXPOSED EDGES: EXPOSED EDGES OF CONCRETE SHALL BE BEVELED 1"X1", UNLESS OTHERWISE NOTED.

CONCRETE COVER: ALL REINFORCEMENT SHALL HAVE TWO INCHES OF CLEAR COVER, UNLESS OTHERWISE NOTED.

REINFORCEMENT: ALL REINFORCEMENT SHALL BE ASTM A615, GRADE 60.

CONSTRUCTION JOINTS: CONSTRUCTION JOINTS, OTHER THAN THOSE SHOWN ON THE PLANS, WILL NOT BE PERMITTED WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.

EPOXY COATED REINFORCING BARS: ALL REINFORCEMENT IN THE SUPERSTRUCTURE, INCLUDING THE CONCRETE DECK SLAB SHALL BE EPOXY COATED UNLESS OTHERWISE NOTED. THESE BARS SHALL BE INCLUDED IN THE PAY ITEM FOR "DEFORMED STEEL BARS (EPOXY COATED)". ALL REINFORCEMENT IN THE CONCRETE APPROACH SLABS INCLUDING THOSE IN THE HEADERS SHALL BE EPOXY COATED. THESE BARS SHALL BE INCLUDED IN THE ITEM "DEFORMED STEEL BARS (EPOXY COATED)".

FELT: COST OF FURNISHING AND PLACING 15-LBS ROOFING FELT IS INCLUDED IN THE ITEM "CLASS 'A' CONCRETE".

PREFORMED EXPANSION JOINT FILLER: THE COST OF FURNISHING AND INSTALLING PREFORMED EXPANSION JOINT FILLERS SHALL BE INCLUDED IN THE ITEM "CLASS 'A' CONCRETE".

CLOSED CELL ELASTOMER: THE COST OF FURNISHING AND INSTALLING CLOSED CELL ELASTOMER SHALL BE INCLUDED IN THE COST OF THE ITEM "CLASS 'A' CONCRETE".

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1	4/5/07	ISSUED CSC REVISED	D.Q.	B.K.

BL Companies
ARCHITECTURE ENGINEERING PLANNING LANDSCAPE ARCHITECTURE LAND SURVEYING ENVIRONMENTAL SCIENCES
355 Research Parkway Meriden, CT 06450 800.301.3077 www.blcompanies.com

date 2/22/07
designed M. BEAULIEU
detailed M .BEAULIEU
checked D. QUINIT / B. KUTA

MF	NO.	DATE	REVISIONS	BY	CHK	APP	APP

NORTHEAST UTILITIES SERVICE CO.
FOR THE CONNECTICUT LIGHT & POWER COMPANY
TITLE MIDDLETOWN-NORWALK 345kV TRANSMISSION PROJECT
MILL RIVER (SOUTHPORT HARBOR)
GENERAL PLAN, ELEVATION AND SECTION

BY	CHKD	APP	APP
DATE	DATE	DATE	DATE
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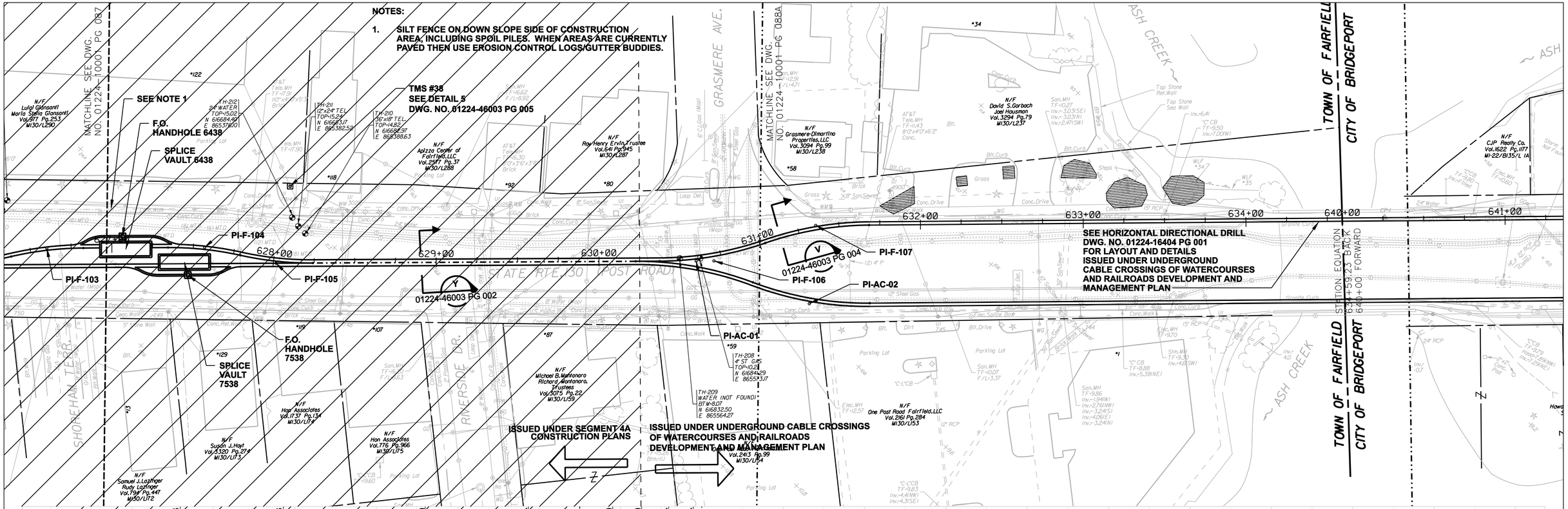
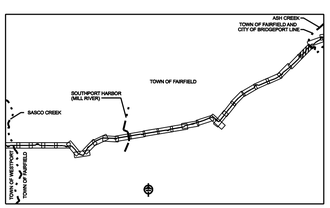
NOTES:

1. SILT FENCE ON DOWN SLOPE SIDE OF CONSTRUCTION AREA, INCLUDING SPOIL PILES. WHEN AREAS ARE CURRENTLY PAVED THEN USE EROSION CONTROL LOGS/GUTTER BUDDIES.





NORTH

0 30' 60'
HORIZONTAL SCALE IN FEET

0 5' 10'
VERTICAL SCALE IN FEET

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Burns & McDonnell
SINCE 1898

date 08/15/05
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designed C. COURTRIGHT
checked S. NEWLAND

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NORTHEAST UTILITIES SERVICE CO.

FOR THE CONNECTICUT LIGHT & POWER COMPANY

TITLE MIDDLETOWN–NORWALK 345kV TRANSMISSION PROJECT

TOWN OF FAIRFIELD ROUTE
PLAN AND PROFILE Sta. 627+00 to 631+00

BY SEN–BMCD	CHKD	APP	APP
DATE 8–15–05	DATE	DATE	DATE
SCALE AS NOTED	D	DWG. NO. 01224–10001 PG 088	

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NOTES:

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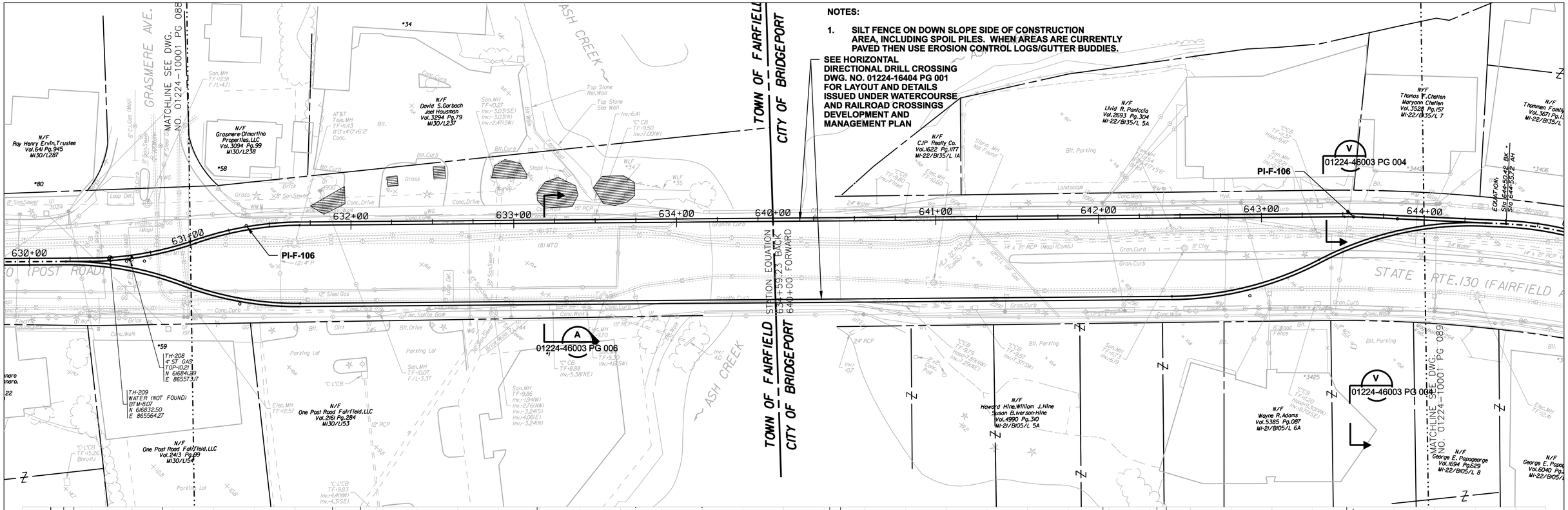
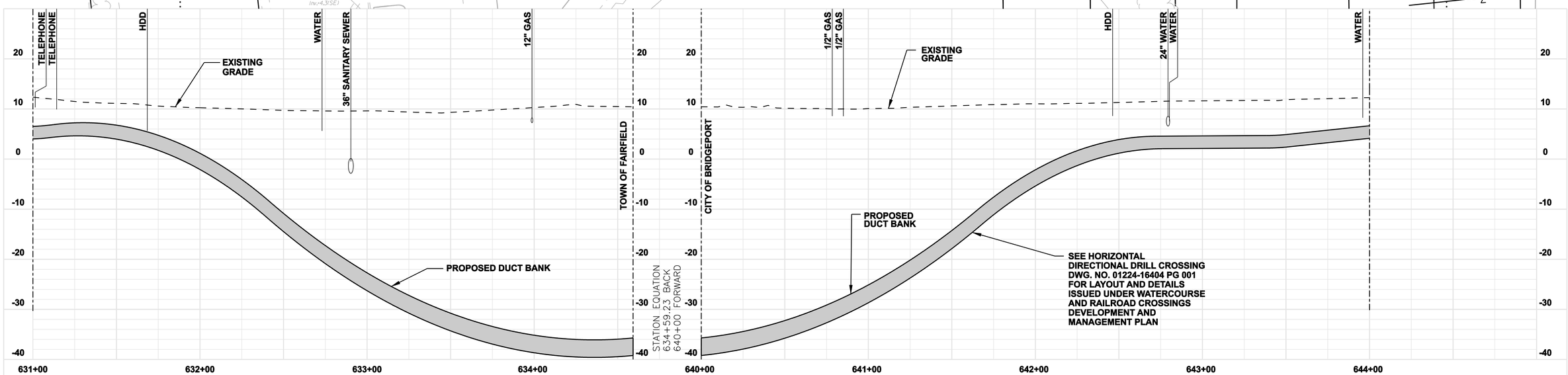
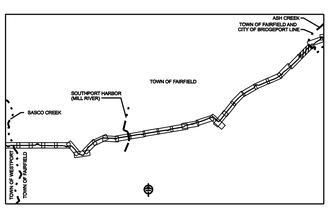
SEE HORIZONTAL DIRECTIONAL DRILL CROSSING DWG. NO. 01224-16404 PG 001 FOR LAYOUT AND DETAILS ISSUED UNDER WATERCOURSE AND RAILROAD CROSSINGS DEVELOPMENT AND MANAGEMENT PLAN







NORTH

0 30' 60'
HORIZONTAL SCALE IN FEET
0 10' 20'
SCALE IN FEET

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NORTHEAST UTILITIES SERVICE CO.

FOR THE CONNECTICUT LIGHT & POWER COMPANY

TITLE MIDDLETOWN–NORWALK 345kV TRANSMISSION PROJECT

TOWN OF FAIRFIELD ROUTE
PLAN AND PROFILE Sta. 631+00 to 644+00

BY SEN–BMCD	CHKD	APP	APP
DATE	DATE	DATE	DATE
SCALE AS NOTED	D	DWG. NO. 01224–10001 PG 088A	

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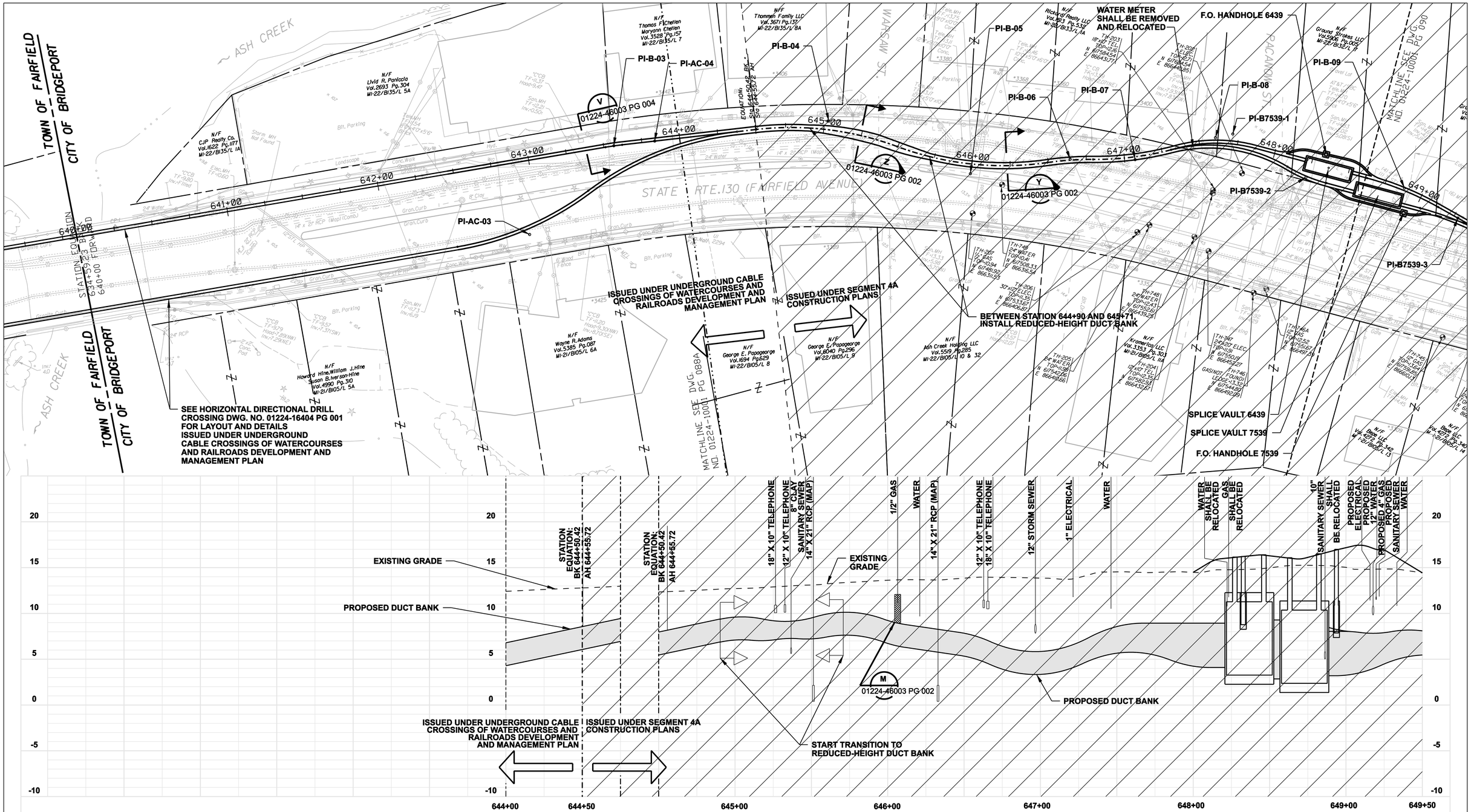

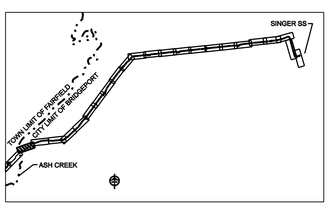

NORTH

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HORIZONTAL SCALE IN FEET

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VERTICAL SCALE IN FEET

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checked S. NEWLAND

MF	NO.	DATE	REVISIONS	BY	CHK	APP	APP

NORTHEAST UTILITIES SERVICE CO.

FOR THE CONNECTICUT LIGHT & POWER COMPANY

TITLE MIDDLETOWN-NORWALK 345kV TRANSMISSION PROJECT

CITY OF BRIDGEPORT ROUTE
PLAN AND PROFILE AT 644+00 TO 649+50

BY SEN-BMCD	CHKD	APP	APP
DATE	DATE	DATE	DATE
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