MUNICIPAL CONSULTATION FILING

for the

FAIRFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-kV REBUILD PROJECT

Town of Fairfield and City of Bridgeport
Fairfield County, Connecticut

VOLUME 2: PROJECT MAPPING AND DRAWINGS

October 2022

Submitted to:

Chief Elected Officials of the Municipalities of Fairfield, Bridgeport, and Westport

Prepared By:

THE UNITED ILLUMINATING COMPANY

Provided in accordance with the pre-application process (Connecticut General Statutes Section 16-50l(e)) for filing an Application to the Connecticut Siting Council for a Certificate of Environmental Compatibility and Public Need for an Electric Transmission Facility.

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Attachment V2.1

USGS OVERVIEW MAPS AND MAPPING DESCRIPTION KEYS:
FAIRFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-kV REBUILD PROJECT

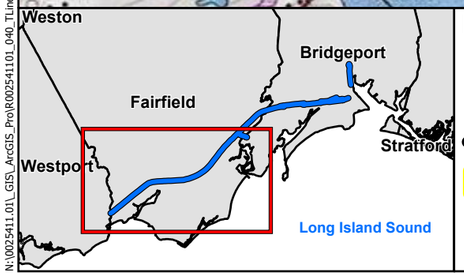
Ash Creek Substation

Bridgeport

Fairfield

Westport

Connection Point with Eversource



Map Legend

- Existing Substation Connected to 115-kV Facilities
- Connection Point with Eversource
- Proposed Centerline of Rebuilt 115-kV Line Facilities
- Municipal Boundary

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

N

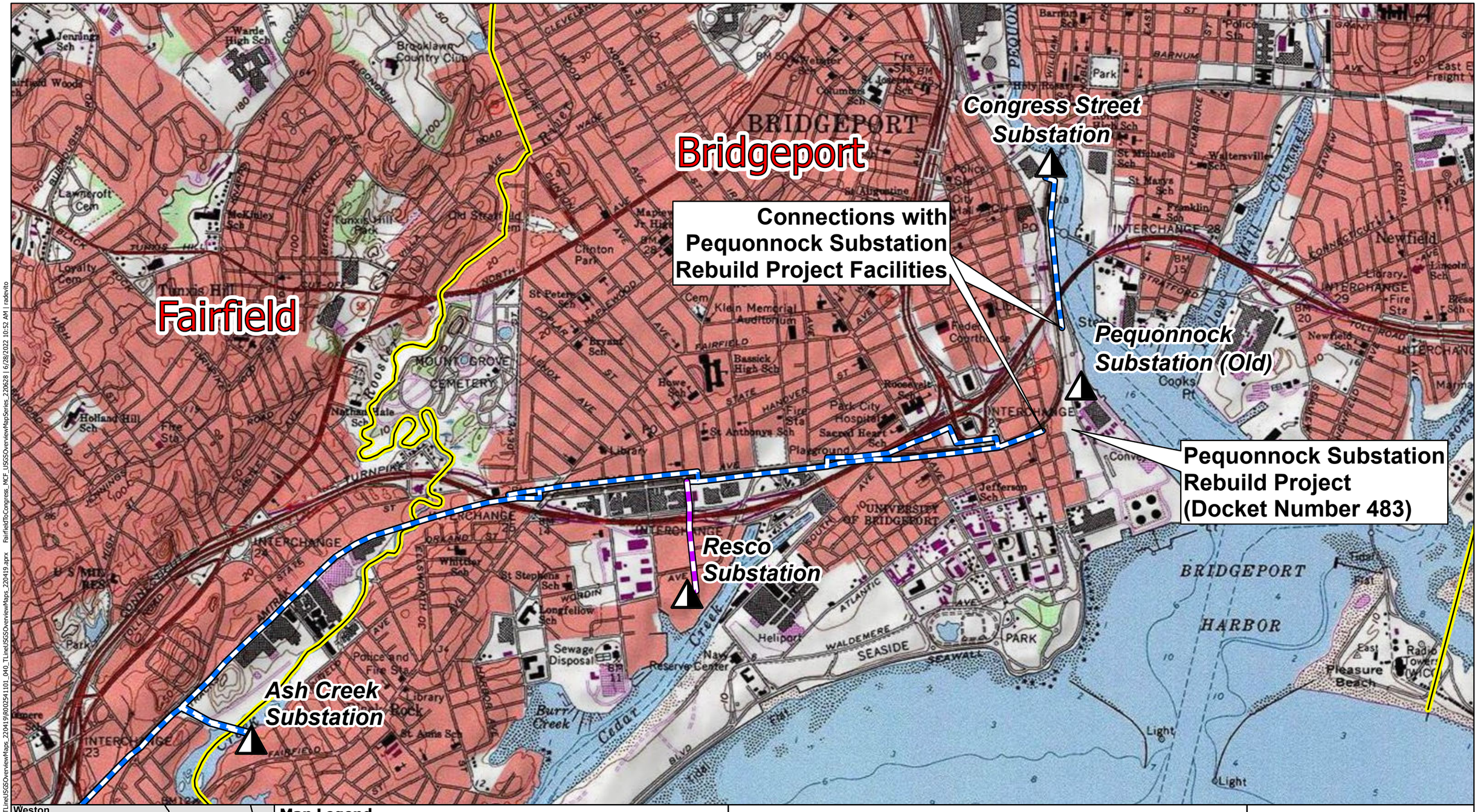
0 1,500 Feet

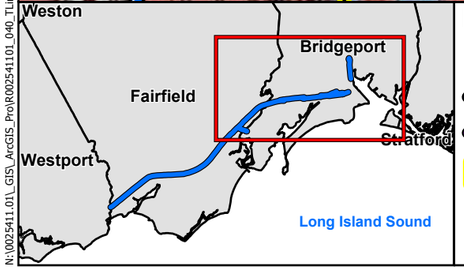
1" = 1,500'

UI AVANGRID

Westwood

USGS Project Locus Map Sheet 1 of 2





Map Legend

- Existing Substation Connected to 115-kV Facilities
- Proposed Centerline of Rebuilt 115-kV Line Facilities
- Proposed Location of Fiber Optic (OPGW)
- Municipal Boundary

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

N

0 1,500 Feet

1" = 1,500'

UI AVANGRID

Westwood

USGS Project Locus Map Sheet 2 of 2

N:\0025411.01_GIS_ArcGIS_Pro\R002541101_040_TLineUSGSOverviewMaps_220419\R002541101_040_TLineUSGSOverviewMaps_220419.aprx FairfieldToCongress_MCF_USGSOverviewMapSeries_220628 | 6/28/2022 10:52 AM | radevito

United States Geological Survey Topographic Map Symbols

BATHYMETRIC FEATURES

- Area exposed at mean low tide; sounding datum line***
- Channel***
- Sunken rock***

BOUNDARIES

- National
- State or territorial
- County or equivalent
- Civil township or equivalent
- Incorporated city or equivalent
- Federally administered park, reservation, or monument (external)
- Federally administered park, reservation, or monument (internal)
- State forest, park, reservation, or monument and large county park
- Forest Service administrative area*
- Forest Service ranger district*
- National Forest System land status, Forest Service lands*
- National Forest System land status, non-Forest Service lands*
- Small park (county or city)

BUILDINGS AND RELATED FEATURES

- Building
- School; house of worship
- Athletic field
- Built-up area
- Forest headquarters*
- Ranger district office*
- Guard station or work center*
- Racetrack or raceway
- Airport, paved landing strip, runway, taxiway, or apron
- Unpaved landing strip
- Well (other than water), windmill or wind generator
- Tanks
- Covered reservoir
- Gaging station
- Located or landmark object (feature as labeled)
- Boat ramp or boat access*
- Roadside park or rest area
- Picnic area
- Campground
- Winter recreation area*
- Cemetery

COASTAL FEATURES

- Foreshore flat
- Coral or rock reef
- Rock, bare or awash; dangerous to navigation
- Group of rocks, bare or awash
- Exposed wreck
- Depth curve; sounding
- Breakwater, pier, jetty, or wharf
- Seawall
- Oil or gas well; platform

CONTOURS

Topographic

- Index
- Approximate or indefinite
- Intermediate
- Approximate or indefinite
- Supplementary
- Depression
- Cut
- Fill
- Continental divide

Bathymetric

- Index***
- Intermediate***
- Index primary***
- Primary***
- Supplementary***

CONTROL DATA AND MONUMENTS

- Principal point**
- U.S. mineral or location monument
- River mileage marker

Boundary monument

- Third-order or better elevation, with tablet
- Third-order or better elevation, recoverable mark, no tablet
- With number and elevation

Horizontal control

- Third-order or better, permanent mark
- With third-order or better elevation
- With checked spot elevation
- Coincident with found section corner
- Unmonumented**

CONTROL DATA AND MONUMENTS – *continued*

Vertical control

- Third-order or better elevation, with tablet
- Third-order or better elevation, recoverable mark, no tablet
- Bench mark coincident with found section corner
- Spot elevation

GLACIERS AND PERMANENT SNOWFIELDS

- Contours and limits
- Formlines
- Glacial advance
- Glacial retreat

LAND SURVEYS

Public land survey system

- Range or Township line
  - Location approximate
  - Location doubtful
  - Protracted
  - Protracted (AK 1:63,360-scale)
- Range or Township labels
- Section line
  - Location approximate
  - Location doubtful
  - Protracted
  - Protracted (AK 1:63,360-scale)
- Section numbers
- Found section corner
- Found closing corner
- Witness corner
- Meander corner
- Weak corner*

Other land surveys

- Range or Township line
- Section line
- Land grant, mining claim, donation land claim, or tract
- Land grant, homestead, mineral, or other special survey monument
- Fence or field lines

MARINE SHORELINES

- Shoreline
- Apparent (edge of vegetation)***
- Indefinite or unsurveyed

MINES AND CAVES

- Quarry or open pit mine
- Gravel, sand, clay, or borrow pit
- Mine tunnel or cave entrance
- Mine shaft
- Prospect
- Tailings
- Mine dump
- Former disposal site or mine

PROJECTION AND GRIDS

- Neatline
- Graticule tick
- Graticule intersection
- Datum shift tick

State plane coordinate systems

- Primary zone tick
- Secondary zone tick
- Tertiary zone tick
- Quaternary zone tick
- Quintary zone tick

Universal transverse metcator grid

- UTM grid (full grid)
- UTM grid ticks*

RAILROADS AND RELATED FEATURES

- Standard gauge railroad, single track
- Standard gauge railroad, multiple track
- Narrow gauge railroad, single track
- Narrow gauge railroad, multiple track
- Railroad siding
- Railroad in highway
- Railroad in road
- Railroad in light duty road*
- Railroad underpass; overpass
- Railroad bridge; drawbridge
- Railroad tunnel
- Railroad yard
- Railroad turntable; roundhouse

RIVERS, LAKES, AND CANALS

- Perennial stream
- Perennial river
- Intermittent stream
- Intermittent river
- Disappearing stream
- Falls, small
- Falls, large
- Rapids, small
- Rapids, large
- Masonry dam
- Dam with lock
- Dam carrying road

RIVERS, LAKES, AND CANALS – *continued*

- Perennial lake/pond
- Intermittent lake/pond
- Dry lake/pond
- Narrow wash
- Wide wash
- Canal, flume, or aqueduct with lock
- Elevated aqueduct, flume, or conduit
- Aqueduct tunnel
- Water well, geyser, fumarole, or mud pot
- Spring or seep

ROADS AND RELATED FEATURES

Please note: Roads on Provisional-edition maps are not classified as primary, secondary, or light duty. These roads are all classified as improved roads and are symbolized the same as light duty roads.

- Primary highway
- Secondary highway
- Light duty road
- Light duty road, paved*
- Light duty road, gravel*
- Light duty road, dirt*
- Light duty road, unspecified*
- Unimproved road
- Unimproved road*
- 4WD road
- 4WD road*
- Trail
- Highway or road with median strip
- Highway or road under construction
- Highway or road underpass; overpass
- Highway or road bridge; drawbridge
- Highway or road tunnel
- Road block, berm, or barrier*
- Gate on road*
- Trailhead*

SUBMERGED AREAS AND BOGS

- Marsh or swamp
- Submerged marsh or swamp
- Wooded marsh or swamp
- Submerged wooded marsh or swamp
- Land subject to inundation

SURFACE FEATURES

- Levee
- Sand or mud
- Disturbed surface
- Gravel beach or glacial moraine
- Tailings pond

TRANSMISSION LINES AND PIPELINES

- Power transmission line; pole; tower
- Telephone line
- Aboveground pipeline
- Underground pipeline

VEGETATION

- Woodland
- Shrubland
- Orchard
- Vineyard
- Mangrove

* USGS-USDA Forest Service Single-Edition Quadrangle maps only.
In August 1993, the U.S. Geological Survey and the U.S. Department of Agriculture's Forest Service signed an Interagency Agreement to begin a single-edition joint mapping program. This agreement established the coordination for producing and maintaining single-edition primary series topographic maps for quadrangles containing National Forest System lands. The joint mapping program eliminates duplication of effort by the agencies and results in a more frequent revision cycle for quadrangles containing National Forests. Maps are revised on the basis of jointly developed standards and contain normal features mapped by the USGS, as well as additional features required for efficient management of National Forest System lands. Single-edition maps look slightly different but meet the content, accuracy, and quality criteria of other USGS products.

** Provisional-Edition maps only.
Provisional-edition maps were established to expedite completion of the remaining large-scale topographic quadrangles of the conterminous United States. They contain essentially the same level of information as the standard series maps. This series can be easily recognized by the title "Provisional Edition" in the lower right-hand corner.

*** Topographic Bathymetric maps only.

Topographic Map Information

For more information about topographic maps produced by the USGS, please call:
1-888-ASK-USGS or visit us at http://ask.usgs.gov/

Source: USGS Website, https://pubs.usgs.gov/gip/TopographicMapSymbols/topomapsymbols.pdf

Fairfield to Congress Railroad Transmission Line 115-kV Rebuild Project
Zoning District Description Key
for use with Volume 2 Mapping (Attachment V2.3, 400 Scale Maps and Attachment V2.4, 100 Scale Maps)

Town / City	Municipal Zoning Designation	Municipal Zoning District[1]
Fairfield	R-3	Residence R-3 District
	DI	Designed Industrial District
	A	Residence A District
	B	Residence B District
	DRD	Designed Residence District
	NDD	Neighborhood Designed Business District
	C	Residence C District
	DCD	Designed Commercial District
	CDADD	Commerce Drive Area Designed District
	CDD	Center Designated Business District
Bridgeport	NX3	Mixed Residential 1
	NX2	Neighborhood Mix 2
	I	Industrial
	CX	Heavy Commercial-Wholesale
	MX2	Mixed-Use Centers
	RX2	Residential-Office Center
	P4	Utility-Energy Infrastructure
	IX	Office-Industrial Centers
	P2	Civic and Institutional
	P1	Parks and Open Space
	MX1	Mixed-Use Corridor
	DX2	Downtown Edge
	P5	Detention-Correction Facilities

1 – Please see the respective municipal zoning regulations for additional detail regarding Zoning Districts

Source: Town of Fairfield: https://www.fairfieldct.org/filestorage/10726/11028/12429/17562/ZoningMap.pdf
City of Bridgeport: https://code.zonebridgeport.com/map

Fairfield to Congress Railroad Transmission Line 115-kV Rebuild Project
Wetlands and Watercourse Classification Key
for use with Volume 2 Mapping (Attachment V2.3, 400 Scale Maps and Attachment V2.4, 100 Scale Maps)

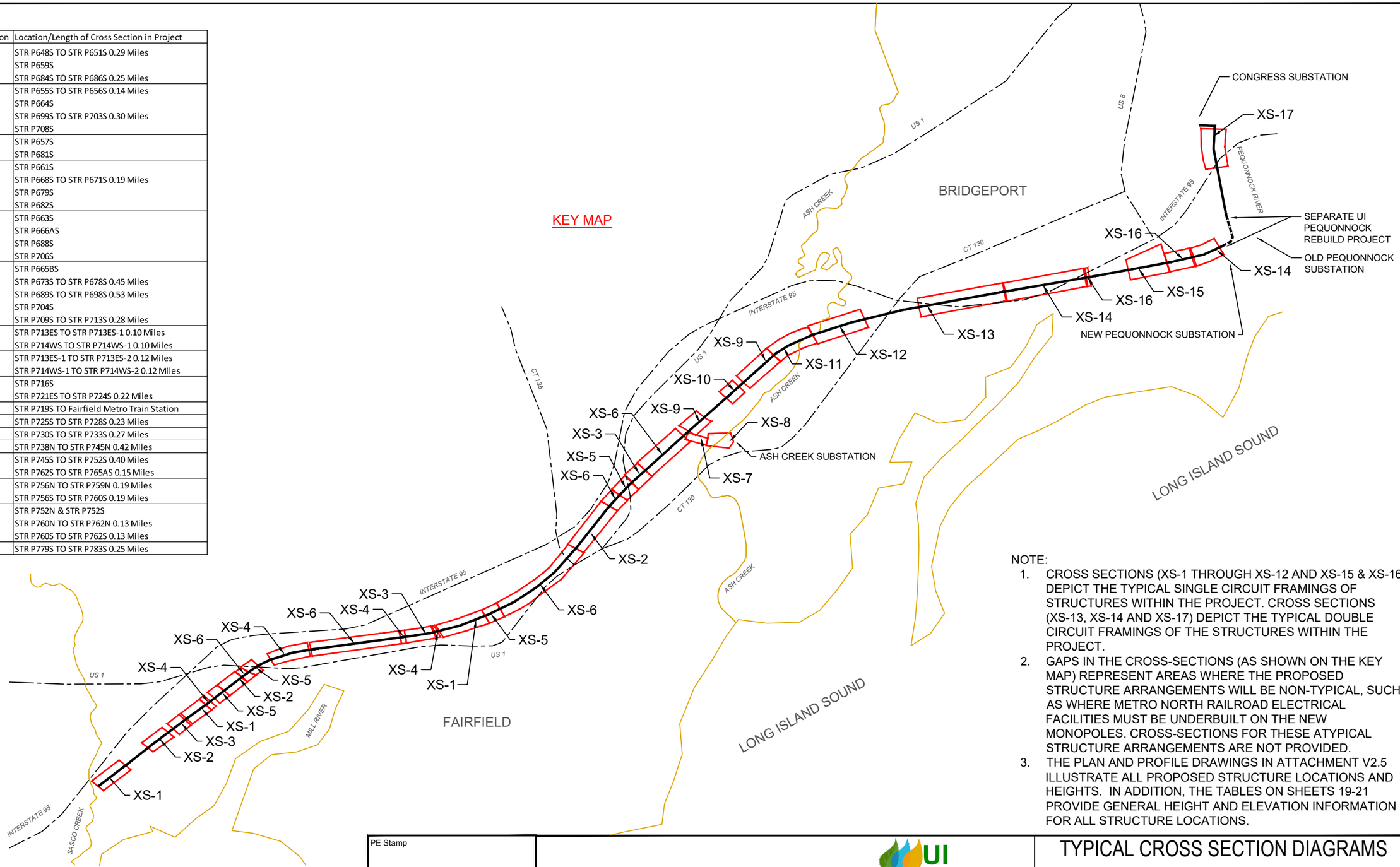
National Wetlands Inventory (NWI) Classification of Wetlands and Deepwater Habitats Classification Key	
Classification Designation	**Classification Description**
E2EMP5d	Estuarine intertidal emergent irregularly flooded *Phragmites australis* partially drained/ditched
E1UBL	Estuarine subtidal unconsolidated bottom subtidal
R5UBh1	Riverine unknown perennial unconsolidated bottom diked/impounded cobble-gravel
R6	Riverine ephemeral
R4SBC1	Riverine intermittent streambed seasonally flooded hyperhaline/hypersaline
R2UBH	Riverine lower perennial unconsolidated bottom permanently flooded
PEM	Palustrine emergent
PEM/PFO	Palustrine emergent and Palustrine forested
PEM/PSS	Palustrine emergent and Palustrine scrub-shrub

Attachment V2.2

TYPICAL CROSS-SECTION DRAWINGS:
FAIRFIELD-CONGRESS RAILROAD TRANSMISSION LINE 115-kV REBUILD PROJECT

FAIRFIELD-CONGRESS REBUILD PROJECT
FAIRFIELD AND BRIDGEPORT, FAIRFIELD COUNTY, CT

Typical Cross Section	Location/Length of Cross Section in Project
Cross Section 1	STR P648S TO STR P651S 0.29 Miles STR P659S STR P684S TO STR P686S 0.25 Miles
Cross Section 2	STR P655S TO STR P656S 0.14 Miles STR P664S STR P699S TO STR P703S 0.30 Miles STR P708S
Cross Section 3	STR P657S STR P681S
Cross Section 4	STR P661S STR P668S TO STR P671S 0.19 Miles STR P679S STR P682S
Cross Section 5	STR P663S STR P666AS STR P688S STR P706S
Cross Section 6	STR P665BS STR P673S TO STR P678S 0.45 Miles STR P689S TO STR P698S 0.53 Miles STR P704S STR P709S TO STR P713S 0.28 Miles
Cross Section 7	STR P713ES TO STR P713ES-1 0.10 Miles STR P714WS TO STR P714WS-1 0.10 Miles
Cross Section 8	STR P713ES-1 TO STR P713ES-2 0.12 Miles STR P714WS-1 TO STR P714WS-2 0.12 Miles
Cross Section 9	STR P716S STR P721ES TO STR P724S 0.22 Miles
Cross Section 10	STR P719S TO Fairfield Metro Train Station
Cross Section 11	STR P725S TO STR P728S 0.23 Miles
Cross Section 12	STR P730S TO STR P733S 0.27 Miles
Cross Section 13	STR P738N TO STR P745N 0.42 Miles
Cross Section 14	STR P745S TO STR P752S 0.40 Miles STR P762S TO STR P765AS 0.15 Miles
Cross Section 15	STR P756N TO STR P759N 0.19 Miles STR P756S TO STR P760S 0.19 Miles
Cross Section 16	STR P752N & STR P752S STR P760N TO STR P762N 0.13 Miles STR P760S TO STR P762S 0.13 Miles
Cross Section 17	STR P779S TO STR P783S 0.25 Miles



NOTE:

1. CROSS SECTIONS (XS-1 THROUGH XS-12 AND XS-15 & XS-16) DEPICT THE TYPICAL SINGLE CIRCUIT FRAMINGS OF STRUCTURES WITHIN THE PROJECT. CROSS SECTIONS (XS-13, XS-14 AND XS-17) DEPICT THE TYPICAL DOUBLE CIRCUIT FRAMINGS OF THE STRUCTURES WITHIN THE PROJECT.
2. GAPS IN THE CROSS-SECTIONS (AS SHOWN ON THE KEY MAP) REPRESENT AREAS WHERE THE PROPOSED STRUCTURE ARRANGEMENTS WILL BE NON-TYPICAL, SUCH AS WHERE METRO NORTH RAILROAD ELECTRICAL FACILITIES MUST BE UNDERBUILT ON THE NEW MONOPOLES. CROSS-SECTIONS FOR THESE ATYPICAL STRUCTURE ARRANGEMENTS ARE NOT PROVIDED.
3. THE PLAN AND PROFILE DRAWINGS IN ATTACHMENT V2.5 ILLUSTRATE ALL PROPOSED STRUCTURE LOCATIONS AND HEIGHTS. IN ADDITION, THE TABLES ON SHEETS 19-21 PROVIDE GENERAL HEIGHT AND ELEVATION INFORMATION FOR ALL STRUCTURE LOCATIONS.

CADD Drawing, DO NOT REVISE MANUALLY.

ANSI B

REV.	DESCRIPTION	DATE	BY	CK	APP

OWNER ENGINEER:	APPROVAL STAMP:
DRAWING PREPARED BY:	ACCEPTED BY OE:

PE Stamp

UI AVANGRID

REV.	DATE	BY	DESCRIPTION	APP.
0-0C	8/19/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0B	06/10/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0A	05/12/2022	WESTWOOD	ISSUE FOR REVIEW	MSP

TYPICAL CROSS SECTION DIAGRAMS

SHEET 1 OF 21

UI 115 KV PROJECT FAIRFIELD TO CONGRESS

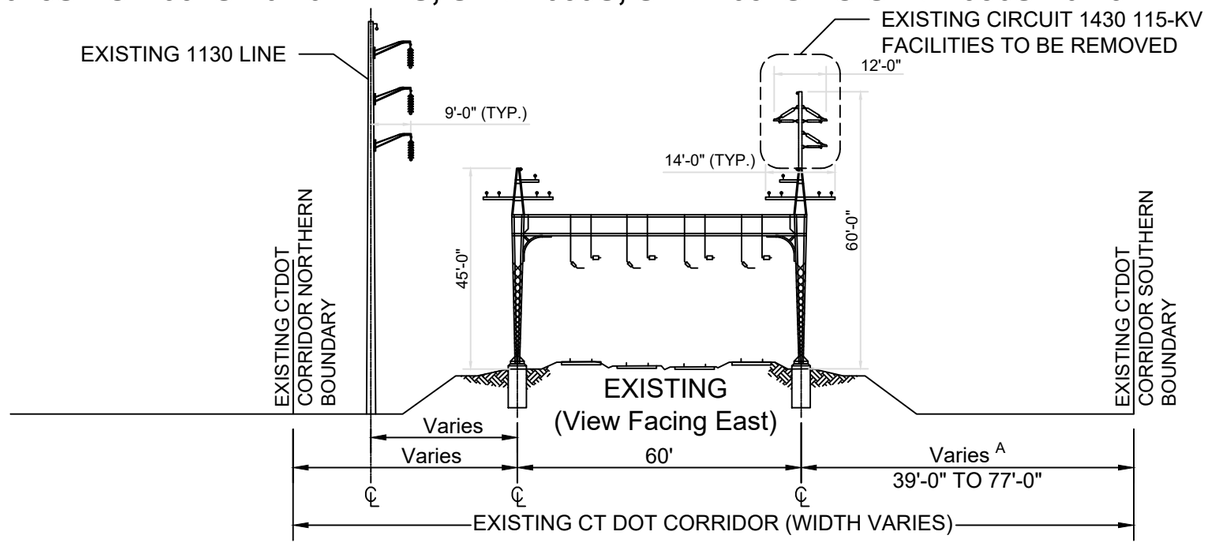
DR.	ASW	SCALE: NTS	FILE:
CK.	MSP	NO.	REV.
APP.	---	CROSS SECTION KEY MAP	0-0C
DATE:	09/10/2021		

CROSS SECTION 1

EAST OF SASCO CREEK (P648S) TO ASH CREEK SUBSTATION (FAIRFIELD)
STR P648S TO P651S - 0.29 MILES, STR P659S, STR P684S TO STR P686S - 0.25 MILES

NOTES:

1. DEPICTED STRUCTURES ARE STEEL TANGENT STRUCTURES. THE VERTICAL ARRANGEMENT MINIMIZES CONDUCTOR BLOWOUT AND THUS, THE AMOUNT OF NEW PERMANENT UI EASEMENT REQUIRED.
2. THE EXISTING CATENARY STRUCTURES SUPPORT METRO NORTH RAILROAD ELECTRICAL FACILITIES CONSISTING UP TO TWO (2) SIGNAL WIRES, 2 OR 3 FEEDER WIRES, AND ONE (1) AERIAL GROUND WIRE.
3. EXISTING CIRCUIT 1130 STEEL POLE STRUCTURES MAY SUPPORT METRO NORTH RAILROAD ELECTRICAL FACILITIES CONSISTING UP TO TWO (2) SIGNAL WIRES AND 2 OR 3 FEEDER WIRES, AND ONE (1) AERIAL GROUND WIRE.
4. THE CT DOT CORRIDOR CONTAINS FOUR (4) RAILROAD TRACKS IN THIS AREA OPERATED BY METRO NORTH RAILROAD.
5. A 15'-0" CLEARANCE MUST BE MAINTAINED BETWEEN THE NEW 115-KV CONDUCTORS AND THE EXISTING CATENARY STRUCTURES SO THAT METRO NORTH RAILROAD CAN MAINTAIN THEIR EQUIPMENT WITHOUT REQUIRING AN OUTAGE ON THE 115-KV FACILITIES.
6. EXISTING VEGETATION WITHIN THE CT DOT CORRIDOR VARIES BY LOCATION. REFER TO ATTACHMENTS V2.3 AND V2.4: PROJECT MAPS AND DRAWINGS, FOR LOCATIONS OF PROPOSED TREE REMOVAL.
7. TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 18'-0" FROM EACH STRUCTURE CENTER (25'-0" FROM CONDUCTOR ATTACHMENT POINT). IN LOCATIONS WHERE THE CT DOT CORRIDOR BOUNDARY IS GREATER THAN 18'-0" FROM THE PROPOSED STRUCTURE LOCATION, UI WILL NOT NEED ANY PERMANENT EASEMENT FROM ADJACENT LANDOWNERS TO ACHIEVE THESE CLEARANCES.
8. NO PROJECT ACTIVITIES WILL OCCUR ON THE EXISTING 1130 LINE WHICH IS LOCATED ON INDEPENDENT MONOPOLES ON THE NORTH SIDE OF THE METRO NOTH RAILROAD TRACKS.



[A] THE WIDTH OF THE EXISTING CT DOT CORRIDOR IN THE PROJECT AREA IS HIGHLY VARIABLE. REFER TO ATTACHMENTS V2.3 AND V2.4: PROJECT MAPS AND DRAWINGS, FOR CT DOT CORRIDOR BOUNDARIES.

[B] THIS DISTANCE AVERAGES 14'-6" BUT CAN RANGE FROM 4'-0" TO 21'-6". REFER TO THE TABLE ON SHEET 19 FOR EXACT DISTANCES.

[C] THE DISTANCE BETWEEN THE PROPOSED 115-KV SINGLE-CIRCUIT STRUCTURES AND THE EXISTING CT DOT CORRIDOR SOUTHERN BOUNDARY VARIES. REFER TO THE TABLE ON SHEET 19 FOR EXACT DISTANCES.

[D] THE HEIGHTS OF THE NEW 115-KV SINGLE-CIRCUIT STRUCTURES VARY. REFER TO THE TABLE ON SHEET 19 FOR EXACT STRUCTURE HEIGHTS.

ANSI B

CADD Drawing, DO NOT REVISE MANUALLY.

REV.	DESCRIPTION	DATE	BY	CK	APP

OWNER ENGINEER: | APPROVAL STAMP:

DRAWING PREPARED BY: | ACCEPTED BY OE:

PE Stamp

REV.	DATE	BY	DESCRIPTION	APP.
0-0C	8/24/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0B	06/24/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0A	4/15/2022	WESTWOOD	ISSUE FOR REVIEW	MSP

TYPICAL CROSS SECTION DIAGRAMS

SHEET 2 OF 21

UI 115KV RAILROAD PROJECT FAIRFIELD TO CONGRESS

DR.	ASW	SCALE: NTS	FILE:
CK.	MSP	NO. XS-1	REV. 0-0C
APP.	---		
DATE:	4/15/2022		

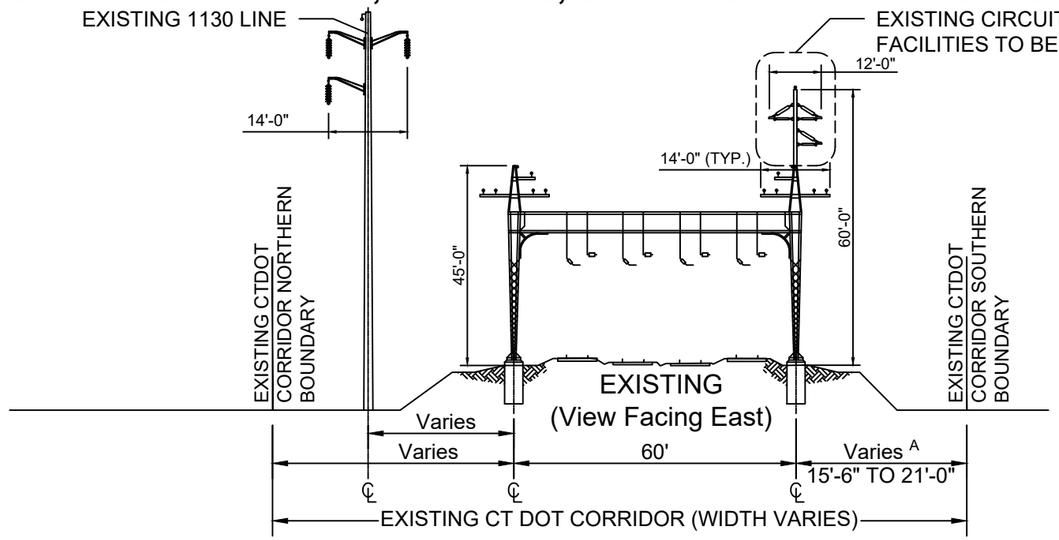
CROSS SECTION 2

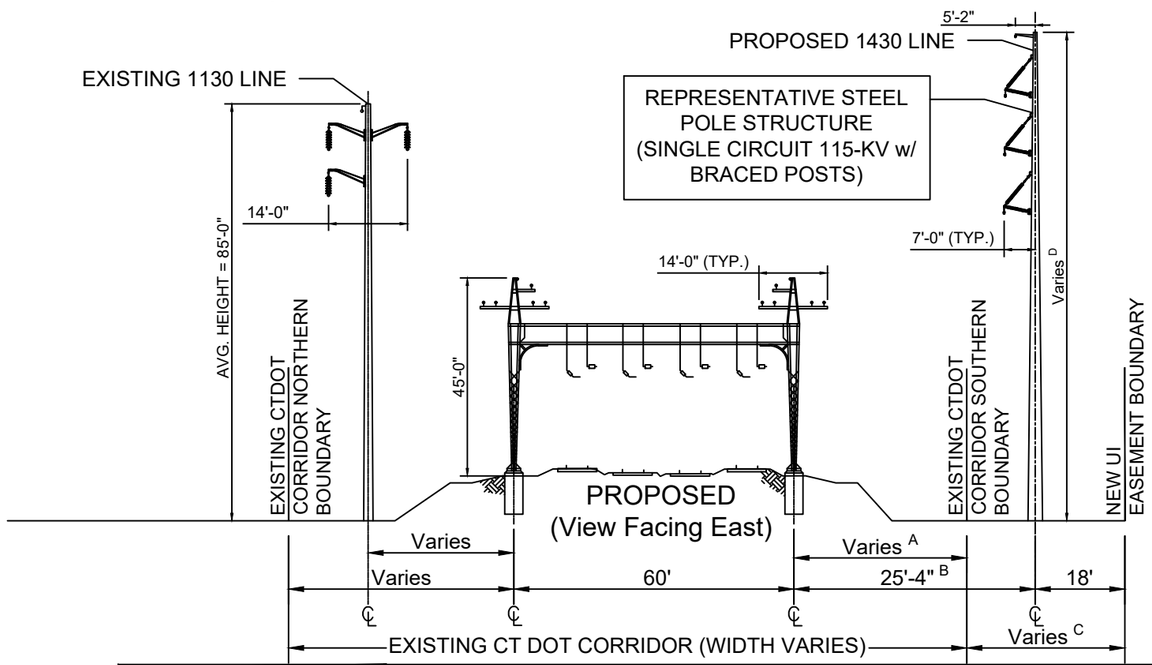
EAST OF SASCO CREEK (P648S) TO ASH CREEK SUBSTATION (FAIRFIELD)

STR P655S TO STR P656S - 0.14 MILES, STR P664S, STR P699S TO STR P703S - 0.30 MILES, STR P708S

NOTES:

1. DEPICTED STRUCTURES ARE STEEL TANGENT STRUCTURES. THE VERTICAL ARRANGEMENT MINIMIZES CONDUCTOR BLOWOUT AND THUS, THE AMOUNT OF NEW PERMANENT UI EASEMENT REQUIRED.
2. THE EXISTING CATENARY STRUCTURES SUPPORT METRO NORTH RAILROAD ELECTRICAL FACILITIES CONSISTING UP TO TWO (2) SIGNAL WIRES, 2 OR 3 FEEDER WIRES, AND ONE (1) AERIAL GROUND WIRE.
3. EXISTING CIRCUIT 1130 STEEL POLE STRUCTURES MAY SUPPORT METRO NORTH RAILROAD ELECTRICAL FACILITIES CONSISTING UP TO TWO (2) SIGNAL WIRES AND 2 OR 3 FEEDER WIRES, AND ONE (1) AERIAL GROUND WIRE.
4. THE CT DOT CORRIDOR CONTAINS FOUR (4) RAILROAD TRACKS IN THIS AREA OPERATED BY METRO NORTH RAILROAD.
5. A 15'-0" CLEARANCE MUST BE MAINTAINED BETWEEN THE NEW 115-KV CONDUCTORS AND THE EXISTING CATENARY STRUCTURES SO THAT METRO NORTH RAILROAD CAN MAINTAIN THEIR EQUIPMENT WITHOUT REQUIRING AN OUTAGE ON THE 115-KV FACILITIES.
6. EXISTING VEGETATION WITHIN THE CT DOT CORRIDOR VARIES BY LOCATION. REFER TO ATTACHMENTS V2.3 AND V2.4: PROJECT MAPS AND DRAWINGS, FOR LOCATIONS OF PROPOSED TREE REMOVAL.
7. TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 18'-0" FROM EACH STRUCTURE CENTER (25'-0" FROM CONDUCTOR ATTACHMENT POINT). IN LOCATIONS WHERE THE CT DOT CORRIDOR BOUNDARY IS LESS THAN 18'-0" FROM THE PROPOSED STRUCTURE LOCATION, UI PROPOSES TO ACQUIRE A PERMANENT EASEMENT FROM ADJACENT LANDOWNERS. REFER TO ATTACHMENTS V2.3 AND V2.4: PROJECT MAPS AND DRAWINGS, FOR PROPOSED CLEARING AND ADDITIONAL PERMANENT EASEMENT LOCATIONS.
8. NO PROJECT ACTIVITIES WILL OCCUR ON THE EXISTING 1130 LINE WHICH IS LOCATED ON INDEPENDENT MONOPOLES ON THE NORTH SIDE OF THE METRO NOTH RAILROAD TRACKS.





[A] THE WIDTH OF THE EXISTING CT DOT CORRIDOR IN THE PROJECT AREA IS HIGHLY VARIABLE. REFER TO ATTACHMENTS V2.3 AND V2.4: PROJECT MAPS AND DRAWINGS, FOR CT DOT CORRIDOR BOUNDARIES.

[B] THIS DISTANCE AVERAGES 25'-4" BUT CAN RANGE FROM 17'-0" TO 51'-0". REFER TO THE TABLE ON SHEET 19 FOR EXACT DISTANCES.

[C] THE WIDTH OF UI'S REQUIRED NEW PERMANENT EASEMENT VARIES. REFER TO THE TABLE ON SHEET 19 FOR EXACT DISTANCES.

[D] THE HEIGHTS OF THE NEW 115-KV SINGLE-CIRCUIT STRUCTURES VARY. REFER TO THE TABLE ON SHEET 19 FOR EXACT STRUCTURE HEIGHTS.

CADD Drawing, DO NOT REVISE MANUALLY.

ANSI B

REV.	DESCRIPTION	DATE	BY	CK	APP

OWNER ENGINEER: | APPROVAL STAMP:

DRAWING PREPARED BY: | ACCEPTED BY OE:

PE Stamp

REV.	DATE	BY	DESCRIPTION	APP.
0-0C	8/19/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0B	06/24/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0A	4/15/2022	WESTWOOD	ISSUE FOR REVIEW	MSP

TYPICAL CROSS SECTION DIAGRAMS

SHEET 3 OF 21

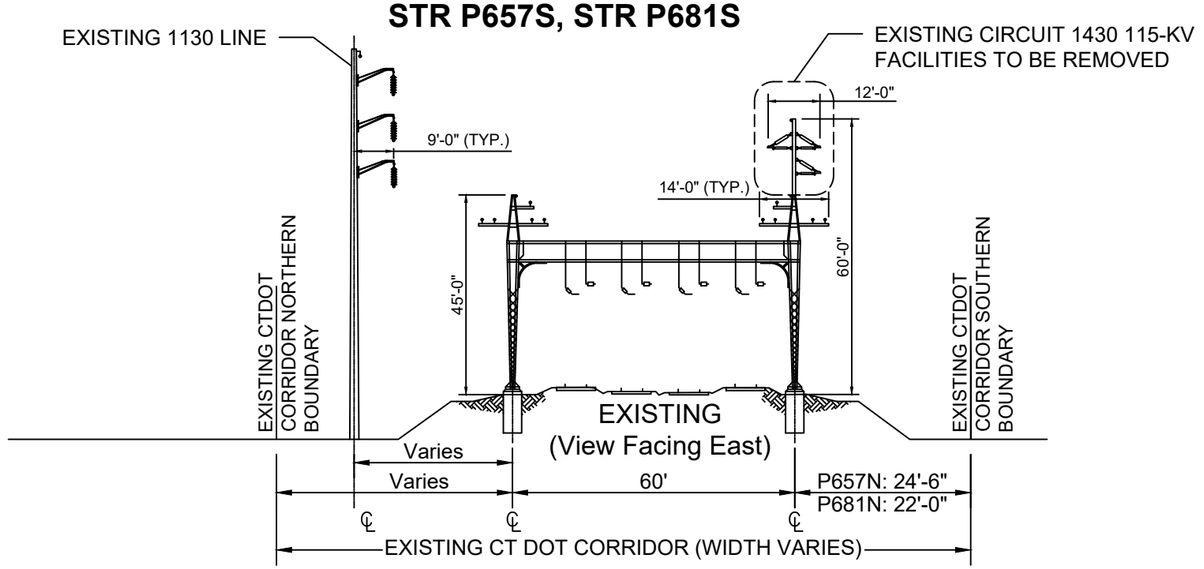
UI 115KV RAILROAD PROJECT FAIRFIELD TO CONGRESS

DR.	ASW	SCALE: NTS	FILE:
CK.	MSP	NO.	REV.
APP.	---	XS-2	0-0C
DATE:	4/15/2022		

CROSS SECTION 3
EAST OF SASCO CREEK (P648S) TO ASH CREEK SUBSTATION (FAIRFIELD)
STR P657S, STR P681S

NOTES:

1. DEPICTED STRUCTURES ARE STEEL TANGENT STRUCTURES. THE VERTICAL ARRANGEMENT MINIMIZES CONDUCTOR BLOWOUT AND THUS, THE AMOUNT OF NEW PERMANENT UI EASEMENT REQUIRED.
2. THE EXISTING CATENARY STRUCTURES SUPPORT METRO NORTH RAILROAD ELECTRICAL FACILITIES CONSISTING UP TO TWO (2) SIGNAL WIRES, 2 OR 3 FEEDER WIRES, AND ONE (1) AERIAL GROUND WIRE.
3. EXISTING CIRCUIT 1130 STEEL POLE STRUCTURES MAY SUPPORT METRO NORTH RAILROAD ELECTRICAL FACILITIES CONSISTING UP TO TWO (2) SIGNAL WIRES AND 2 OR 3 FEEDER WIRES, AND ONE (1) AERIAL GROUND WIRE.
4. THE CT DOT CORRIDOR CONTAINS FOUR (4) RAILROAD TRACKS IN THIS AREA OPERATED BY METRO NORTH RAILROAD.
5. A 15'-0" CLEARANCE MUST BE MAINTAINED BETWEEN THE NEW 115-KV CONDUCTORS AND THE EXISTING CATENARY STRUCTURES SO THAT METRO NORTH RAILROAD CAN MAINTAIN THEIR EQUIPMENT WITHOUT REQUIRING AN OUTAGE ON THE 115-KV FACILITIES.
6. EXISTING VEGETATION WITHIN THE CT DOT CORRIDOR VARIES BY LOCATION. REFER TO ATTACHMENTS V2.3 AND V2.4: PROJECT MAPS AND DRAWINGS, FOR LOCATIONS OF PROPOSED TREE REMOVAL.
7. TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 18'-0" FROM EACH STRUCTURE CENTER (25'-0" FROM CONDUCTOR ATTACHMENT POINT). IN LOCATIONS WHERE THE SURROUNDING ENVIRONMENT REQUIRES A PROPOSED STRUCTURE TO BE PLACED OUTSIDE OF THE CT DOT CORRIDOR, UI PROPOSES TO ACQUIRE A PERMANENT EASEMENT FROM ADJACENT LANDOWNERS. REFER TO ATTACHMENTS V2.3 AND V2.4: PROJECT MAPS AND DRAWINGS FOR PROPOSED CLEARING AND ADDITIONAL PERMANENT EASEMENT LOCATIONS.
8. NO PROJECT ACTIVITIES WILL OCCUR ON THE EXISTING 1130 LINE WHICH IS LOCATED ON INDEPENDENT MONOPOLES ON THE NORTH SIDE OF THE METRO NOTH RAILROAD TRACKS.



[A] THE WIDTH OF THE EXISTING CT DOT CORRIDOR IN THE PROJECT AREA IS HIGHLY VARIABLE. REFER TO ATTACHMENTS V2.3 AND V2.4: PROJECT MAPS AND DRAWINGS, FOR CT DOT CORRIDOR BOUNDARIES.

[B] THE WIDTH OF UI'S REQUIRED PERMANENT EASEMENT VARIES. REFER TO THE TABLE ON SHEET 19 FOR EXACT DISTANCES.

[C] THE HEIGHTS OF THE NEW 115-KV SINGLE-CIRCUIT STRUCTURES VARY. REFER TO THE TABLE ON SHEET 19 FOR EXACT STRUCTURE HEIGHTS.

ANSI B

CADD Drawing, DO NOT REVISE MANUALLY.

REV.	DESCRIPTION	DATE	BY	CK	APP

OWNER ENGINEER: | APPROVAL STAMP:

DRAWING PREPARED BY: | ACCEPTED BY OE:

PE Stamp

REV.	DATE	BY	DESCRIPTION	APP.
0-0C	8/19/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0B	06/24/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0A	4/15/2022	WESTWOOD	ISSUE FOR REVIEW	MSP

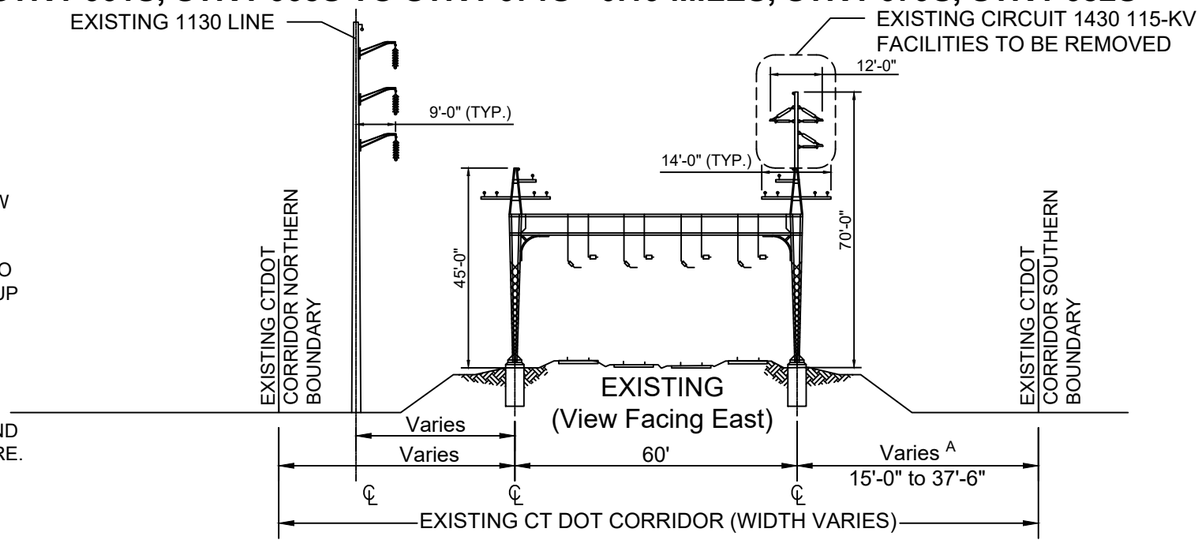
TYPICAL CROSS SECTION DIAGRAMS

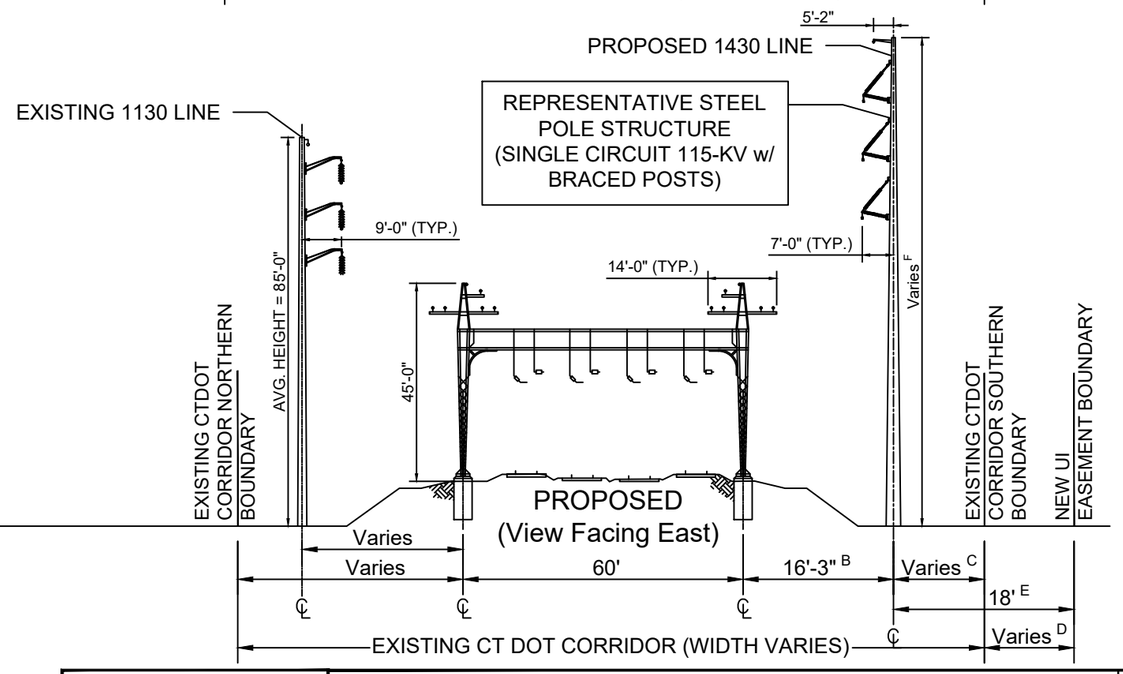
SHEET 4 OF 21

UI 115KV RAILROAD PROJECT FAIRFIELD TO CONGRESS

DR.	ASW	SCALE: NTS	FILE:
CK.	MSP	NO.	REV.
APP.	---	XS-3	0-0C
DATE:	4/15/2022		

CROSS SECTION 4
EAST OF SASCO CREEK (P648S) TO ASH CREEK SUBSTATION (FAIRFIELD)
STR P661S, STR P668S TO STR P671S - 0.19 MILES, STR P679S, STR P682S





NOTES:

1. DEPICTED STRUCTURES ARE STEEL TANGENT STRUCTURES. THE VERTICAL ARRANGEMENT MINIMIZES CONDUCTOR BLOWOUT AND THUS, THE AMOUNT OF NEW PERMANENT UI EASEMENT REQUIRED.
2. THE EXISTING CATENARY STRUCTURES SUPPORT METRO NORTH RAILROAD ELECTRICAL FACILITIES CONSISTING UP TO TWO (2) SIGNAL WIRES, 2 OR 3 FEEDER WIRES, AND ONE (1) AERIAL GROUND WIRE.
3. EXISTING CIRCUIT 1130 STEEL POLE STRUCTURES MAY SUPPORT METRO NORTH RAILROAD ELECTRICAL FACILITIES CONSISTING UP TO TWO (2) SIGNAL WIRES AND 2 OR 3 FEEDER WIRES, AND ONE (1) AERIAL GROUND WIRE.
4. THE CT DOT CORRIDOR CONTAINS FOUR (4) RAILROAD TRACKS IN THIS AREA OPERATED BY METRO NORTH RAILROAD.
5. A 15'-0" CLEARANCE MUST BE MAINTAINED BETWEEN THE NEW 115-KV CONDUCTORS AND THE EXISTING CATENARY STRUCTURES SO THAT METRO NORTH RAILROAD CAN MAINTAIN THEIR EQUIPMENT WITHOUT REQUIRING AN OUTAGE ON THE 115-KV FACILITIES.
6. EXISTING VEGETATION WITHIN THE CT DOT CORRIDOR VARIES BY LOCATION. REFER TO ATTACHMENTS V2.3 AND V2.4: PROJECT MAPS AND DRAWINGS, FOR LOCATIONS OF PROPOSED TREE REMOVAL.
7. TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 32'-0" FROM EACH STRUCTURE CENTER (25'-0" FROM CONDUCTOR ATTACHMENT POINT). IN LOCATIONS WHERE THE CT DOT CORRIDOR BOUNDARY IS GREATER THAN 32'-0" FROM THE PROPOSED STRUCTURE LOCATION, UI WILL NOT NEED ANY PERMANENT EASEMENT FROM ADJACENT LANDOWNERS TO ACHIEVE THESE CLEARANCES.
8. NO PROJECT ACTIVITIES WILL OCCUR ON THE EXISTING 1130 LINE WHICH IS LOCATED ON INDEPENDENT MONOPOLES ON THE NORTH SIDE OF THE METRO NOTH RAILROAD TRACKS.

[A] THE WIDTH OF THE EXISTING CT DOT CORRIDOR IN THE PROJECT AREA IS HIGHLY VARIABLE. REFER TO ATTACHMENTS V2.3 AND V2.4: PROJECT MAPS AND DRAWINGS, FOR CT DOT CORRIDOR BOUNDARIES.

[B] THIS DISTANCE AVERAGES 16'-3" BUT CAN RANGE FROM 10'-0" TO 25'-0". REFER TO THE TABLE ON SHEET 19 FOR EXACT DISTANCES.

[C] THE DISTANCE BETWEEN THE PROPOSED 115-KV SINGLE-CIRCUIT STRUCTURES AND THE EXISTING CT DOT CORRIDOR SOUTHERN BOUNDARY VARIES. REFER TO THE TABLE ON SHEET 19 FOR EXACT DISTANCES.

[D] THE WIDTH OF UI'S REQUIRED NEW PERMANENT EASEMENT VARIES. REFER TO THE TABLE ON SHEET 19 FOR EXACT DISTANCES.

[E] AT STRUCTURE P661S, THIS DISTANCE IS 21'-0". BETWEEN STRUCTURES P669S AND P671S, THIS DISTANCE IS 28'-0". REFER TO ATTACHMENTS V2.3 AND V2.4: PROJECT MAPS AND DRAWINGS, FOR PROPOSED EASEMENT BOUNDARY.

[F] THE HEIGHTS OF THE NEW 115-KV SINGLE-CIRCUIT STRUCTURES VARY. REFER TO THE TABLE ON SHEET 19 FOR EXACT STRUCTURE HEIGHTS.

ANSI B

CADD Drawing, DO NOT REVISE MANUALLY.

REV.	DESCRIPTION	DATE	BY	CK	APP

OWNER ENGINEER: | APPROVAL STAMP:

DRAWING PREPARED BY: | ACCEPTED BY OE:

PE Stamp

REV.	DATE	BY	DESCRIPTION	APP.
0-0C	8/19/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0B	06/24/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0A	4/15/2022	WESTWOOD	ISSUE FOR REVIEW	MSP

TYPICAL CROSS SECTION DIAGRAMS

SHEET 5 OF 21

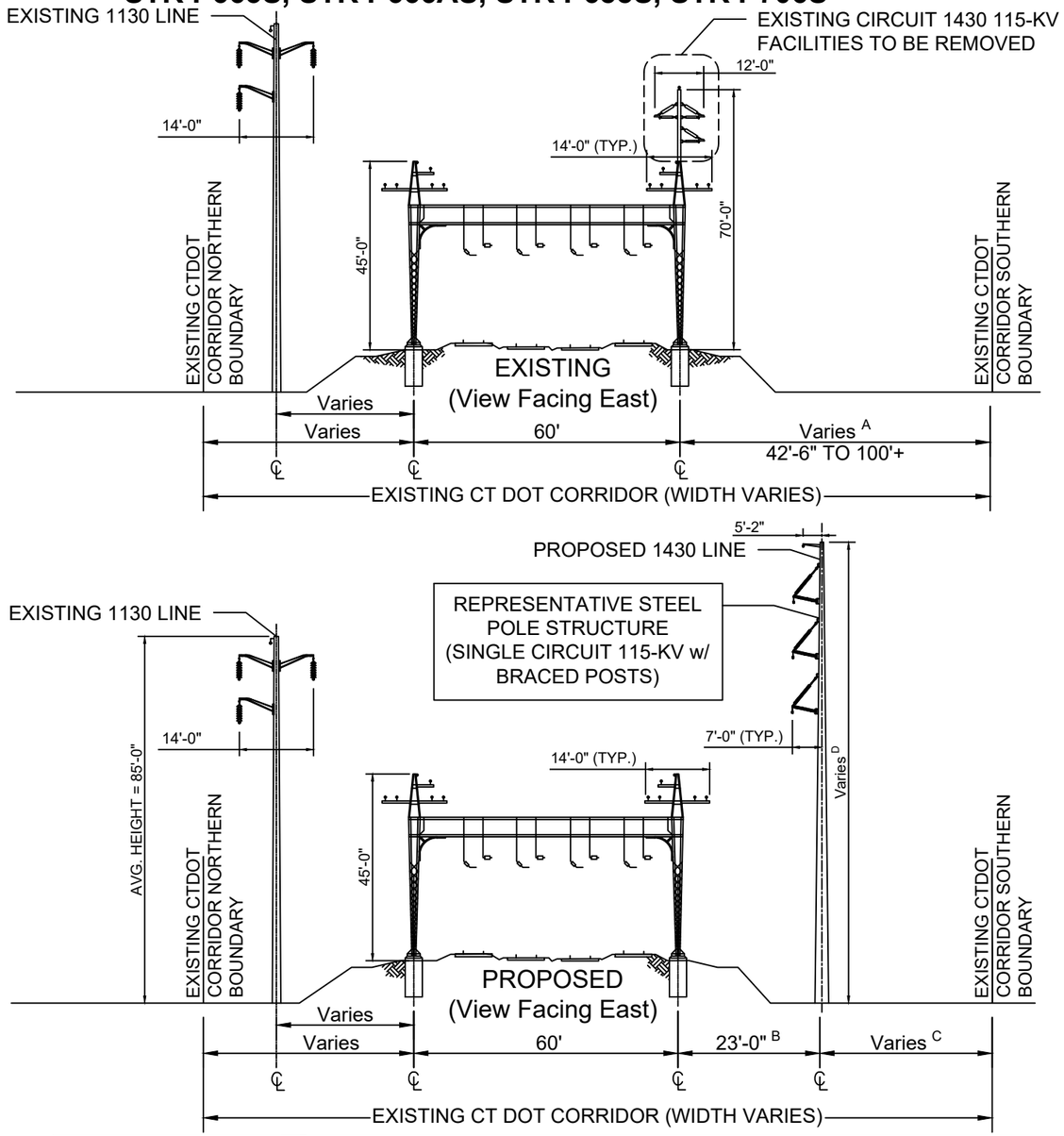
UI 115KV RAILROAD PROJECT FAIRFIELD TO CONGRESS

DR.	ASW	SCALE: NTS	FILE:
CK.	MSP	NO.	REV.
APP.	---	XS-4	0-0C
DATE:	4/15/2022		

CROSS SECTION 5
EAST OF SASCO CREEK (P648S) TO ASH CREEK SUBSTATION (FAIRFIELD)
STR P663S, STR P666AS, STR P688S, STR P706S

NOTES:

1. DEPICTED STRUCTURES ARE STEEL TANGENT STRUCTURES. THE VERTICAL ARRANGEMENT MINIMIZES CONDUCTOR BLOWOUT AND THUS, THE AMOUNT OF NEW PERMANENT UI EASEMENT REQUIRED.
2.
3. THE EXISTING CATENARY STRUCTURES SUPPORT METRO NORTH RAILROAD ELECTRICAL FACILITIES CONSISTING UP TO TWO (2) SIGNAL WIRES, 2 OR 3 FEEDER WIRES, AND ONE (1) AERIAL GROUND WIRE.
4. EXISTING CIRCUIT 1130 STEEL POLE STRUCTURES MAY SUPPORT METRO NORTH RAILROAD ELECTRICAL FACILITIES CONSISTING UP TO TWO (2) SIGNAL WIRES AND 2 OR 3 FEEDER WIRES, AND ONE (1) AERIAL GROUND WIRE.
5. THE CT DOT CORRIDOR CONTAINS FOUR (4) RAILROAD TRACKS IN THIS AREA OPERATED BY METRO NORTH RAILROAD.
6. A 15'-0" CLEARANCE MUST BE MAINTAINED BETWEEN THE NEW 115-KV CONDUCTORS AND THE EXISTING CATENARY STRUCTURES SO THAT METRO NORTH RAILROAD CAN MAINTAIN THEIR EQUIPMENT WITHOUT REQUIRING AN OUTAGE ON THE 115-KV FACILITIES.
7. EXISTING VEGETATION WITHIN THE CT DOT CORRIDOR VARIES BY LOCATION. REFER TO ATTACHMENTS V2.3 AND V2.4: PROJECT MAPS AND DRAWINGS, FOR LOCATIONS OF PROPOSED TREE REMOVAL.
8. TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 18'-0" FROM EACH STRUCTURE CENTER (25'-0" FROM CONDUCTOR ATTACHMENT POINT). IN LOCATIONS WHERE THE CT DOT CORRIDOR BOUNDARY IS GREATER THAN 18'-0" FROM THE PROPOSED STRUCTURE LOCATION, UI WILL NOT NEED ANY PERMANENT EASEMENT FROM ADJACENT LANDOWNERS TO ACHIEVE THESE CLEARANCES.
9. NO PROJECT ACTIVITIES WILL OCCUR ON THE EXISTING 1130 LINE WHICH IS LOCATED ON INDEPENDENT MONOPOLES ON THE NORTH SIDE OF THE METRO NOTH RAILROAD TRACKS.



[A] THE WIDTH OF THE EXISTING CT DOT CORRIDOR IN THE PROJECT AREA IS HIGHLY VARIABLE. REFER TO ATTACHMENTS V2.3 AND V2.4: PROJECT MAPS AND DRAWINGS, FOR CT DOT CORRIDOR BOUNDARIES.

[B] THIS DISTANCE AVERAGES 23'-0" BUT CAN RANGE FROM 13'-0" TO 50'-0". REFER TO THE TABLE ON SHEET 19 FOR EXACT DISTANCES.

[C] THE DISTANCE BETWEEN THE PROPOSED 115-KV SINGLE-CIRCUIT STRUCTURES AND THE EXISTING CT DOT CORRIDOR SOUTHERN BOUNDARY VARIES. REFER TO THE TABLE ON SHEET 19 FOR EXACT DISTANCES.

[D] THE HEIGHTS OF THE NEW 115-KV SINGLE-CIRCUIT STRUCTURES VARY. REFER TO THE TABLE ON SHEET 19 FOR EXACT STRUCTURE HEIGHTS.

ANSI B

CADD Drawing, DO NOT REVISE MANUALLY.

REV.	DESCRIPTION	DATE	BY	CK	APP

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PE Stamp

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0-0C	8/19/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0B	06/24/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0A	4/15/2022	WESTWOOD	ISSUE FOR REVIEW	MSP

TYPICAL CROSS SECTION DIAGRAMS

SHEET 6 OF 21

UI 115KV RAILROAD PROJECT FAIRFIELD TO CONGRESS

DR.	ASW	SCALE: NTS	FILE:
CK.	MSP	NO.	REV.
APP.	---	XS-5	0-0C
DATE:	4/15/2022		

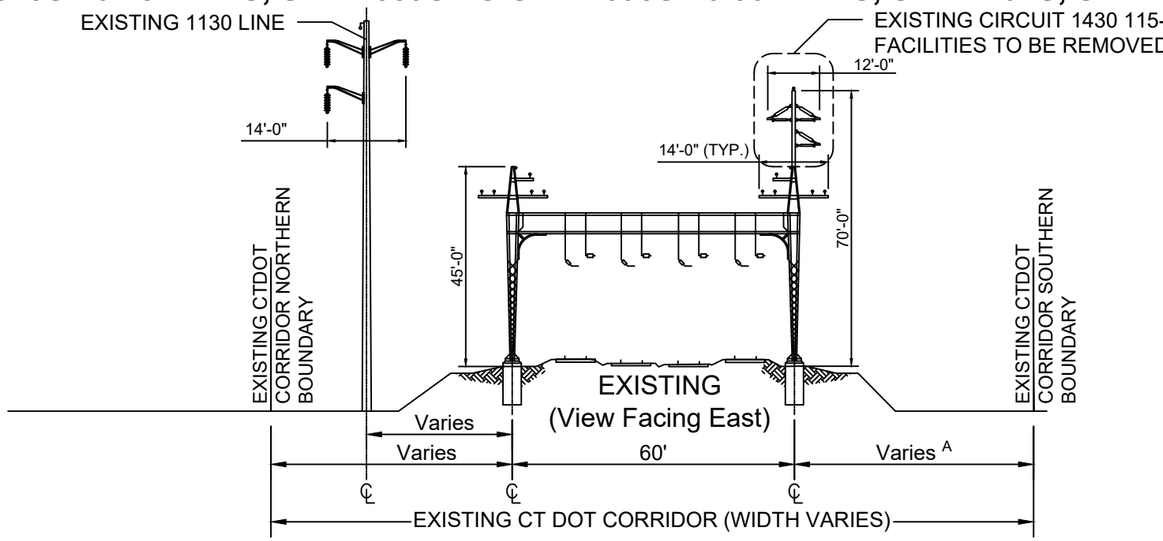
CROSS SECTION 6

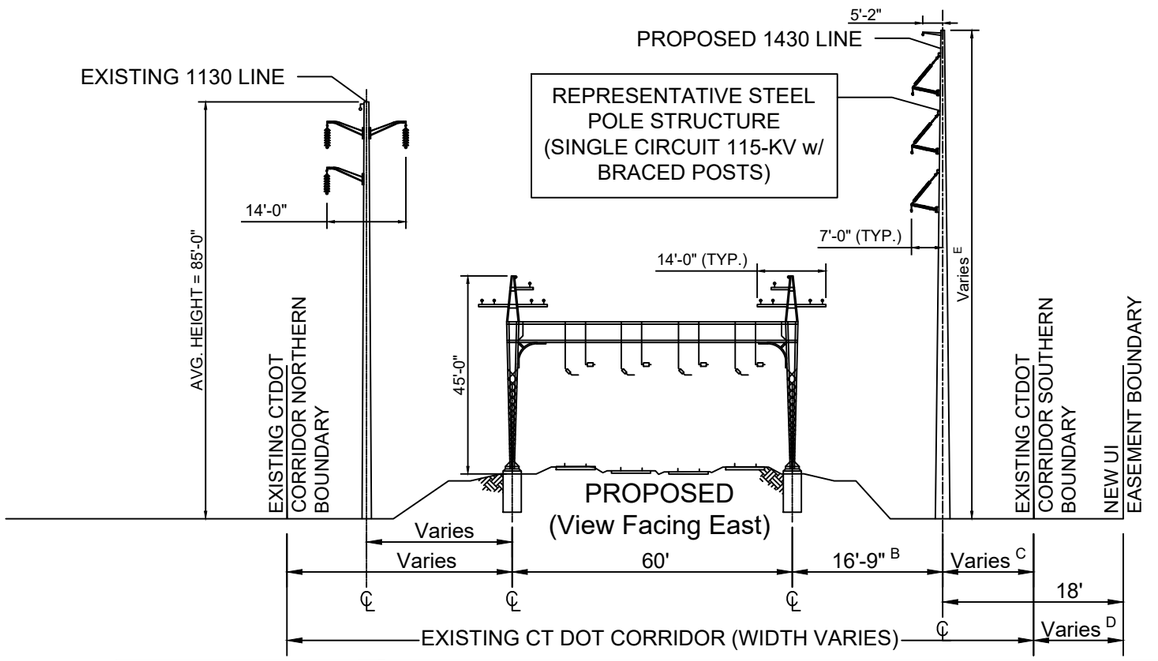
EAST OF SASCO CREEK (P648S) TO ASH CREEK SUBSTATION (FAIRFIELD)

STR P665BS, STR P673S TO STR P678S - 0.45 MILES, STR P689S TO STR P698S - 0.53 MILES, STR P704S, STR P709S TO STR P713S - 0.28 MILES

NOTES:

1. DEPICTED STRUCTURES ARE STEEL TANGENT STRUCTURES. THE VERTICAL ARRANGEMENT MINIMIZES CONDUCTOR BLOWOUT AND THUS, THE AMOUNT OF NEW PERMANENT UI EASEMENT REQUIRED.
2. THE EXISTING CATENARY STRUCTURES SUPPORT METRO NORTH RAILROAD ELECTRICAL FACILITIES CONSISTING UP TO TWO (2) SIGNAL WIRES, 2 OR 3 FEEDER WIRES, AND ONE (1) AERIAL GROUND WIRE.
3. EXISTING CIRCUIT 1130 STEEL POLE STRUCTURES MAY SUPPORT METRO NORTH RAILROAD ELECTRICAL FACILITIES CONSISTING UP TO TWO (2) SIGNAL WIRES AND 2 OR 3 FEEDER WIRES, AND ONE (1) AERIAL GROUND WIRE.
4. THE CT DOT CORRIDOR CONTAINS FOUR (4) RAILROAD TRACKS IN THIS AREA OPERATED BY METRO NORTH RAILROAD.
5. A 15'-0" CLEARANCE MUST BE MAINTAINED BETWEEN THE NEW 115-KV CONDUCTORS AND THE EXISTING CATENARY STRUCTURES SO THAT METRO NORTH RAILROAD CAN MAINTAIN THEIR EQUIPMENT WITHOUT REQUIRING AN OUTAGE ON THE 115-KV FACILITIES.
6. EXISTING VEGETATION WITHIN THE CT DOT CORRIDOR VARIES BY LOCATION. REFER TO ATTACHMENTS V2.3 AND V2.4: PROJECT MAPS AND DRAWINGS, FOR LOCATIONS OF PROPOSED TREE REMOVAL.
7. TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 18'-0" FROM EACH STRUCTURE CENTER (25'-0" FROM CONDUCTOR ATTACHMENT POINT). IN LOCATIONS WHERE THE CT DOT CORRIDOR BOUNDARY IS LESS THAN 18'-0" FROM THE PROPOSED STRUCTURE LOCATION, UI PROPOSES TO ACQUIRE A PERMANENT EASEMENT FROM ADJACENT LANDOWNERS TO ACHIEVE THESE CLEARANCES.
8. NO PROJECT ACTIVITIES WILL OCCUR ON THE EXISTING 1130 LINE WHICH IS LOCATED ON INDEPENDENT MONOPOLES ON THE NORTH SIDE OF THE METRO NOTH RAILROAD TRACKS.





[A] THE WIDTH OF THE EXISTING CT DOT CORRIDOR IN THE PROJECT AREA IS HIGHLY VARIABLE. REFER TO ATTACHMENTS V2.3 AND V2.4: PROJECT MAPS AND DRAWINGS, FOR CT DOT CORRIDOR BOUNDARIES.

[B] THIS DISTANCE AVERAGES 16'-9" BUT CAN RANGE FROM 10'-0" TO 38'-0". REFER TO THE TABLE ON SHEET 19 FOR EXACT DISTANCES.

[C] THE DISTANCE BETWEEN THE PROPOSED 115-KV SINGLE-CIRCUIT STRUCTURES AND THE EXISTING CT DOT CORRIDOR SOUTHERN BOUNDARY VARIES. REFER TO THE TABLE ON SHEET 19 FOR EXACT DISTANCES.

[D] THE WIDTH OF UI'S REQUIRED PERMANENT EASEMENT VARIES. REFER TO THE TABLE ON SHEET 19 FOR EXACT DISTANCES.

[E] THE HEIGHTS OF THE NEW 115-KV SINGLE-CIRCUIT STRUCTURES VARY. REFER TO THE TABLE ON SHEET 19 FOR EXACT STRUCTURE HEIGHTS.

ANSI B

CADD Drawing, DO NOT REVISE MANUALLY.

REV.	DESCRIPTION	DATE	BY	CK	APP

OWNER ENGINEER: | APPROVAL STAMP:

DRAWING PREPARED BY: | ACCEPTED BY OE:

PE Stamp

REV.	DATE	BY	DESCRIPTION	APP.
0-0C	8/19/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0B	06/24/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0A	4/15/2022	WESTWOOD	ISSUE FOR REVIEW	MSP

TYPICAL CROSS SECTION DIAGRAMS

SHEET 7 OF 21

UI 115KV RAILROAD PROJECT FAIRFIELD TO CONGRESS

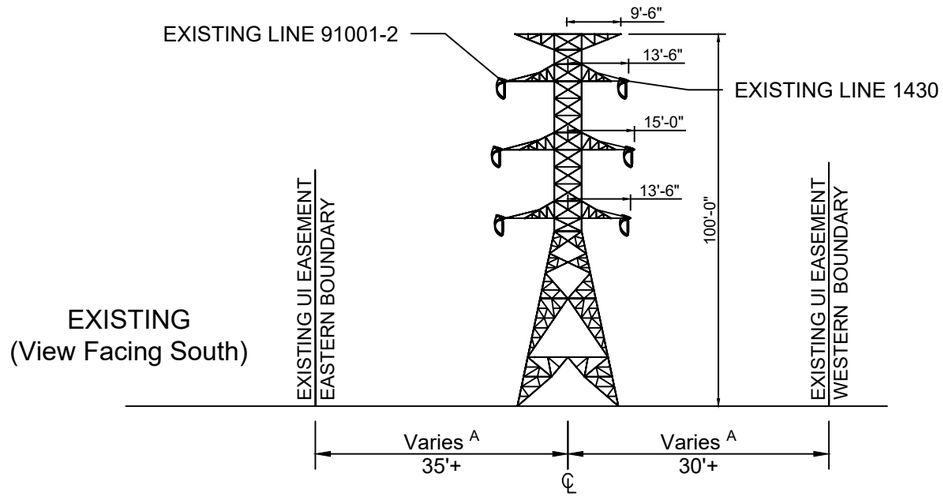
DR.	ASW	SCALE: NTS	FILE:
CK.	MSP	NO.	REV.
APP.	---	XS-6	0-0C
DATE:	4/15/2022		

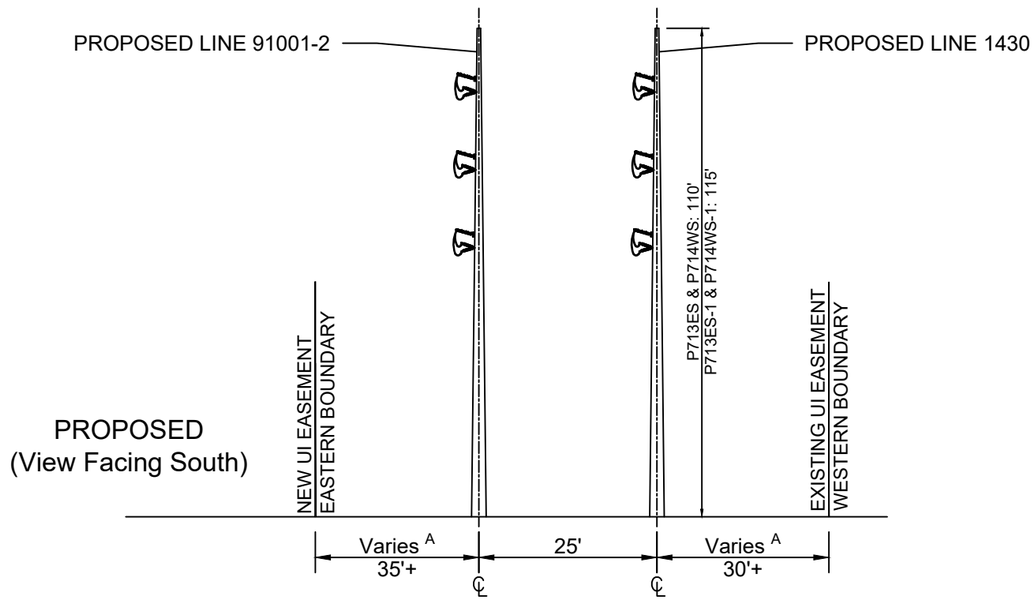
CROSS SECTION 7
CUT-IN TO ASH CREEK SUBSTATION (FAIRFIELD)
STR P713ES TO STR P713ES-1 & STR P714WS TO STR P714WS-1 - 0.10 MILES

NOTES:

1. EXISTING VEGETATION WITHIN THE CT DOT CORRIDOR VARIES BY LOCATION. REFER TO ATTACHMENTS V2.3 AND V2.4: PROJECT MAPS AND DRAWINGS, FOR LOCATIONS OF PROPOSED TREE REMOVAL.

2. TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 25'-0" FROM CONDUCTOR ATTACHMENT POINTS. IN LOCATIONS WHERE THE EASEMENT UI TRANSMISSION EASEMENT IS GREATER THAN 25'-0" FROM THE PROPOSED STRUCTURE LOCATION, UI WILL NOT NEED AN ADDITIONAL PERMANENT EASEMENT FROM ADJACENT LANDOWNERS TO ACHIEVE THESE CLEARANCES. IN LOCATIONS WHERE THE EXISTING UI TRANSMISSION EASEMENT IS LESS THAN 25'-0" FROM THE PROPOSED STRUCTURE LOCATION, UI PROPOSES TO ACQUIRE A PERMANENT EASEMENT FROM ADJACENT LANDOWNERS. REFER TO ATTACHMENTS V2.3 AND V2.4: PROJECT MAPS AND DRAWINGS, FOR PROPOSED ADDITIONAL EASEMENT LOCATIONS.





A THE WIDTH OF THE EXISTING UI TRANSMISSION EASEMENT IS HIGHLY VARIABLE. REFER TO ATTACHMENTS V2.3 AND V2.4: PROJECT MAPS AND DRAWINGS, FOR THE EXISTING UI TRANSMISSION EASEMENT BOUNDARY INFORMATION.

CADD Drawing, DO NOT REVISE MANUALLY.

ANSI B

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REV.	DATE	BY	DESCRIPTION	APP.
0-0C	8/19/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
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TYPICAL CROSS SECTION DIAGRAMS

SHEET 8 OF 21

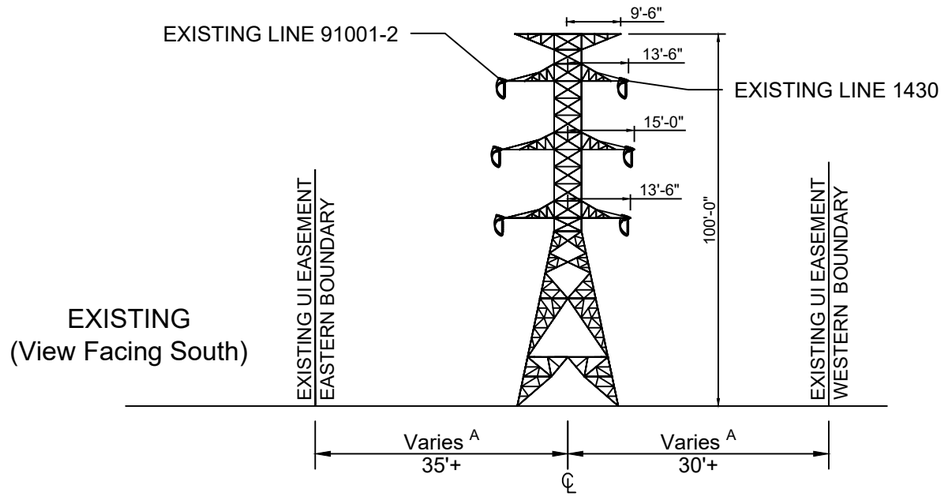
UI 115KV RAILROAD PROJECT FAIRFIELD TO CONGRESS

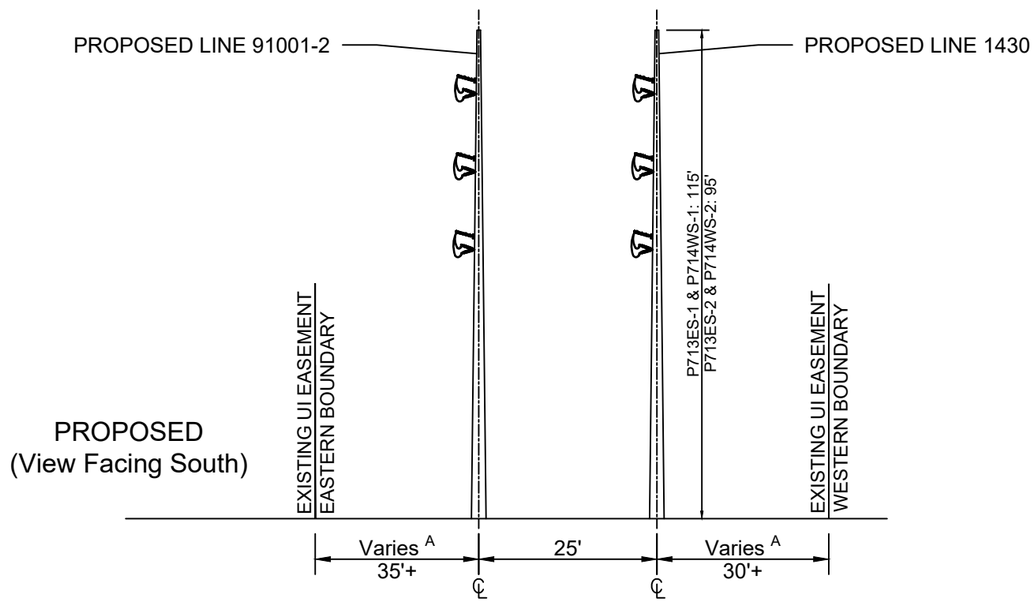
DR.	ASW	SCALE: NTS	FILE:
CK.	MSP	NO. XS-7	REV. 0-0C
APP.	---		
DATE:	4/15/2022		

CROSS SECTION 8
CUT-IN TO ASH CREEK SUBSTATION (FAIRFIELD AND BRIDGEPORT)
STR P713ES-1 TO STR P713ES-2 & STR P714WS-1 TO STR P714WS-2 - 0.12 MILES

NOTES:
1. EXISTING VEGETATION WITHIN THE CT DOT CORRIDOR VARIES BY LOCATION. REFER TO ATTACHMENTS V2.3 AND V2.4: PROJECT MAPS AND DRAWINGS, FOR LOCATIONS OF PROPOSED TREE REMOVAL.

2. TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 25'-0" FROM CONDUCTOR ATTACHMENT POINTS. IN LOCATIONS WHERE THE EASEMENT UI TRANSMISSION EASEMENT IS GREATER THAN 25'-0" FROM THE PROPOSED STRUCTURE LOCATION, UI WILL NOT NEED AN ADDITIONAL PERMANENT EASEMENT FROM ADJACENT LANDOWNERS TO ACHIEVE THESE CLEARANCES.





A THE WIDTH OF THE EXISTING UI TRANSMISSION EASEMENT IS HIGHLY VARIABLE. REFER TO ATTACHMENTS V2.3 AND V2.4: PROJECT MAPS AND DRAWINGS, FOR THE EXISTING UI TRANSMISSION EASEMENT BOUNDARY INFORMATION.

ANSI B

CADD Drawing, DO NOT REVISE MANUALLY.

REV.	DESCRIPTION	DATE	BY	CK	APP

OWNER ENGINEER: | APPROVAL STAMP:

DRAWING PREPARED BY: | ACCEPTED BY OE:

PE Stamp

REV.	DATE	BY	DESCRIPTION	APP.
0-0C	8/19/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0B	06/24/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0A	4/15/2022	WESTWOOD	ISSUE FOR REVIEW	MSP

TYPICAL CROSS SECTION DIAGRAMS

SHEET 9 OF 21

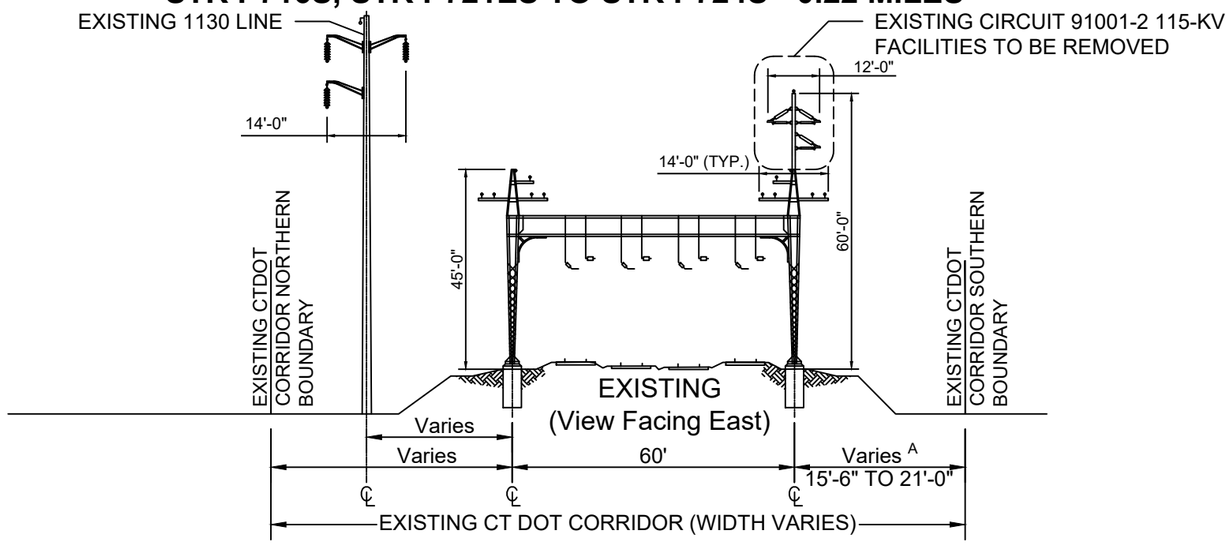
UI 115KV RAILROAD PROJECT FAIRFIELD TO CONGRESS

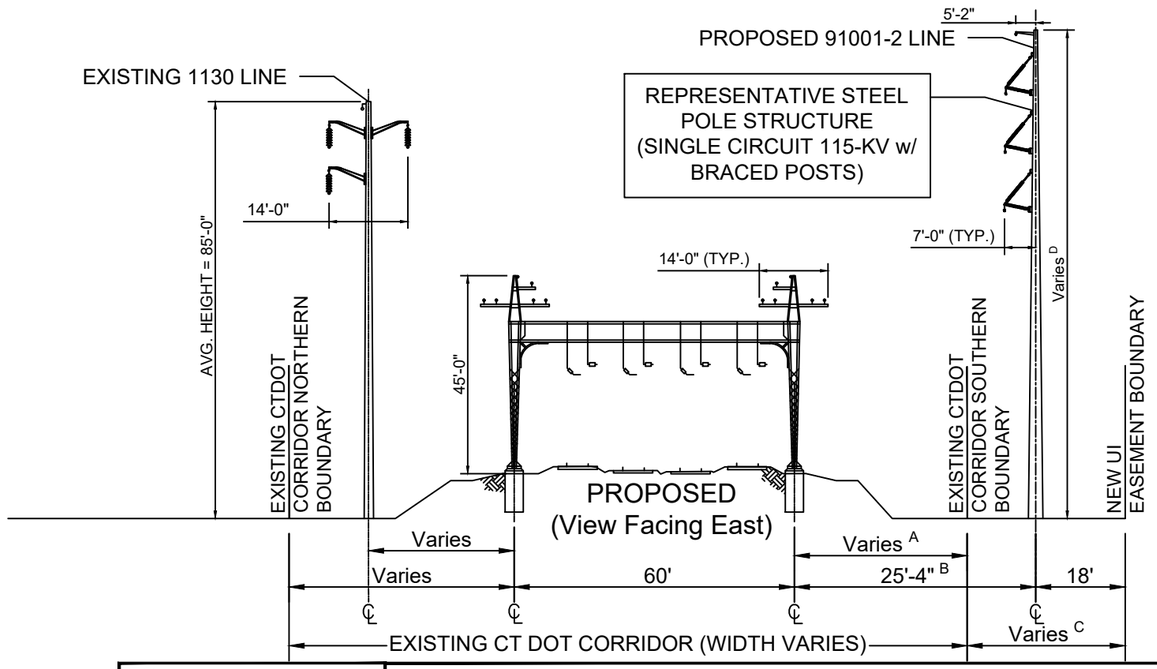
DR.	ASW	SCALE: NTS	FILE:
CK.	MSP	NO.	REV.
APP.	---	XS-8	0-0C
DATE:	4/15/2022		

CROSS SECTION 9
ASH CREEK SUBSTATION TO PEQUONNOCK SUBSTATION (BRIDGEPORT)
STR P716S, STR P721ES TO STR P724S - 0.22 MILES

NOTES:

1. DEPICTED STRUCTURES ARE STEEL TANGENT STRUCTURES. THE VERTICAL ARRANGEMENT MINIMIZES CONDUCTOR BLOWOUT AND THUS, THE AMOUNT OF NEW PERMANENT UI EASEMENT REQUIRED.
2. THE EXISTING CATENARY STRUCTURES SUPPORT METRO NORTH RAILROAD ELECTRICAL FACILITIES CONSISTING UP TO TWO (2) SIGNAL WIRES, 2 OR 3 FEEDER WIRES, AND ONE (1) AERIAL GROUND WIRE.
3. EXISTING CIRCUIT 1130 STEEL POLE STRUCTURES MAY SUPPORT METRO NORTH RAILROAD ELECTRICAL FACILITIES CONSISTING UP TO TWO (2) SIGNAL WIRES AND 2 OR 3 FEEDER WIRES, AND ONE (1) AERIAL GROUND WIRE.
4. THE CT DOT CORRIDOR CONTAINS FOUR (4) RAILROAD TRACKS IN THIS AREA OPERATED BY METRO NORTH RAILROAD.
5. A 15'-0" CLEARANCE MUST BE MAINTAINED BETWEEN THE NEW 115-KV CONDUCTORS AND THE EXISTING CATENARY STRUCTURES SO THAT METRO NORTH RAILROAD CAN MAINTAIN THEIR EQUIPMENT WITHOUT REQUIRING AN OUTAGE ON THE 115-KV FACILITIES.
6. EXISTING VEGETATION WITHIN THE CT DOT CORRIDOR VARIES BY LOCATION. REFER TO ATTACHMENTS V2.3 AND V2.4: PROJECT MAPS AND DRAWINGS, FOR LOCATIONS OF PROPOSED TREE REMOVAL.
7. TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 18'-0" FROM EACH STRUCTURE CENTER (25'-0" FROM CONDUCTOR ATTACHMENT POINT). IN LOCATIONS WHERE THE CT DOT CORRIDOR BOUNDARY IS LESS THAN 18'-0" FROM THE PROPOSED STRUCTURE LOCATION, UI PROPOSES TO ACQUIRE A PERMANENT EASEMENT FROM ADJACENT LANDOWNERS. REFER TO ATTACHMENTS V2.3 AND V2.4: PROJECT MAPS AND DRAWINGS, FOR PROPOSED CLEARING AND ADDITIONAL PERMANENT EASEMENT LOCATIONS.
8. EXISTING STEEL POLE ON NORTH SIDE OF METRO NORTH RAILROAD TRACKS WILL REMAIN UNCHANGED FROM EXISTING CONDITIONS.





A THE WIDTH OF THE EXISTING CT DOT CORRIDOR IN THE PROJECT AREA IS HIGHLY VARIABLE. REFER TO ATTACHMENTS V2.3 AND V2.4: PROJECT MAPS AND DRAWINGS, FOR CT DOT CORRIDOR BOUNDARIES.

B THIS DISTANCE AVERAGES 25'-4" BUT CAN RANGE FROM 17'-0" TO 51'-0". REFER TO THE TABLE ON SHEET 19 FOR EXACT DISTANCES.

C THE WIDTH OF UI'S REQUIRED NEW PERMANENT EASEMENT VARIES. REFER TO THE TABLE ON SHEET 19 FOR EXACT DISTANCES.

D THE HEIGHTS OF THE NEW 115-KV SINGLE-CIRCUIT STRUCTURES VARY. REFER TO THE TABLE ON SHEET 19 FOR EXACT STRUCTURE HEIGHTS.

ANSI B

CADD Drawing, DO NOT REVISE MANUALLY.

REV.	DESCRIPTION	DATE	BY	CK	APP

OWNER ENGINEER: | APPROVAL STAMP:

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PE Stamp

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0-0C	8/19/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0B	06/24/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0A	4/15/2022	WESTWOOD	ISSUE FOR REVIEW	MSP

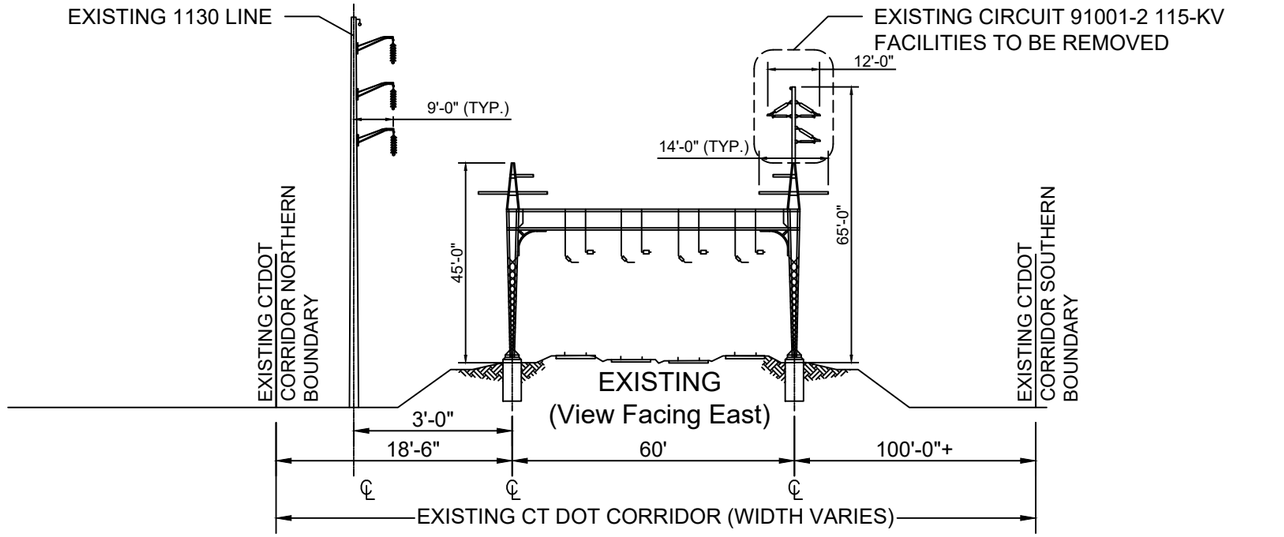
TYPICAL CROSS SECTION DIAGRAMS

SHEET 10 OF 21

UI 115KV RAILROAD PROJECT FAIRFIELD TO CONGRESS

DR.	ASW	SCALE: NTS	FILE:
CK.	MSP	NO.	REV.
APP.	---	XS-9	0-0C
DATE:	4/15/2022		

CROSS SECTION 10
ASH CREEK SUBSTATION TO PEQUONNOCK SUBSTATION (BRIDGEPORT)
STR P719S - FAIRFIELD METRO TRAIN STATION



NOTES:

1. THE EXISTING CATENARY STRUCTURES DO NOT SUPPORT METRO NORTH RAILROAD ELECTRICAL FACILITIES IN THE VICINITY OF THE FAIRFIELD METRO TRAIN STATION.
2. THE CT DOT CORRIDOR CONTAINS FOUR (4) RAILROAD TRACKS IN THIS AREA OPERATED BY METRO NORTH RAILROAD.
3. A 15'-0" CLEARANCE MUST BE MAINTAINED BETWEEN THE NEW 115-KV CONDUCTORS AND THE EXISTING CATENARY STRUCTURES SO THAT METRO NORTH RAILROAD CAN MAINTAIN THEIR EQUIPMENT WITHOUT REQUIRING AN OUTAGE ON THE 115-KV FACILITIES.
4. EXISTING VEGETATION WITHIN THE CT DOT CORRIDOR VARIES BY LOCATION. REFER TO ATTACHMENTS V2.3 AND V2.4: PROJECT MAPS AND DRAWINGS, FOR LOCATIONS OF PROPOSED TREE REMOVAL.
5. TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 18'-0" FROM EACH STRUCTURE CENTER (25'-0" FROM CONDUCTOR ATTACHMENT POINT). IN LOCATIONS WHERE THE SURROUNDING ENVIRONMENT REQUIRES A PROPOSED STRUCTURE TO BE PLACED OUTSIDE OF THE CT DOT CORRIDOR, UI PROPOSES TO ACQUIRE A PERMANENT EASEMENT FROM ADJACENT LANDOWNERS TO ACHIEVE THESE CLEARANCES. REFER TO ATTACHMENTS V2.3 AND V2.4: PROJECT MAPS AND DRAWINGS, FOR PROPOSED CLEARING AND ADDITIONAL PERMANENT EASEMENT LOCATIONS.
6. NO PROJECT ACTIVITIES WILL occur ON THE EXISTING 1130 LINE WHICH IS LOCATED ON INDEPENDENT MONOPOLES ON THE NORTH SIDE OF THE METRO NOTH RAILROAD TRACKS.

REV.	DESCRIPTION	DATE	BY	CK	APP

OWNER ENGINEER: | APPROVAL STAMP:

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PE Stamp

REV.	DATE	BY	DESCRIPTION	APP.
0-0C	8/19/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0B	06/24/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0A	4/15/2022	WESTWOOD	ISSUE FOR REVIEW	MSP

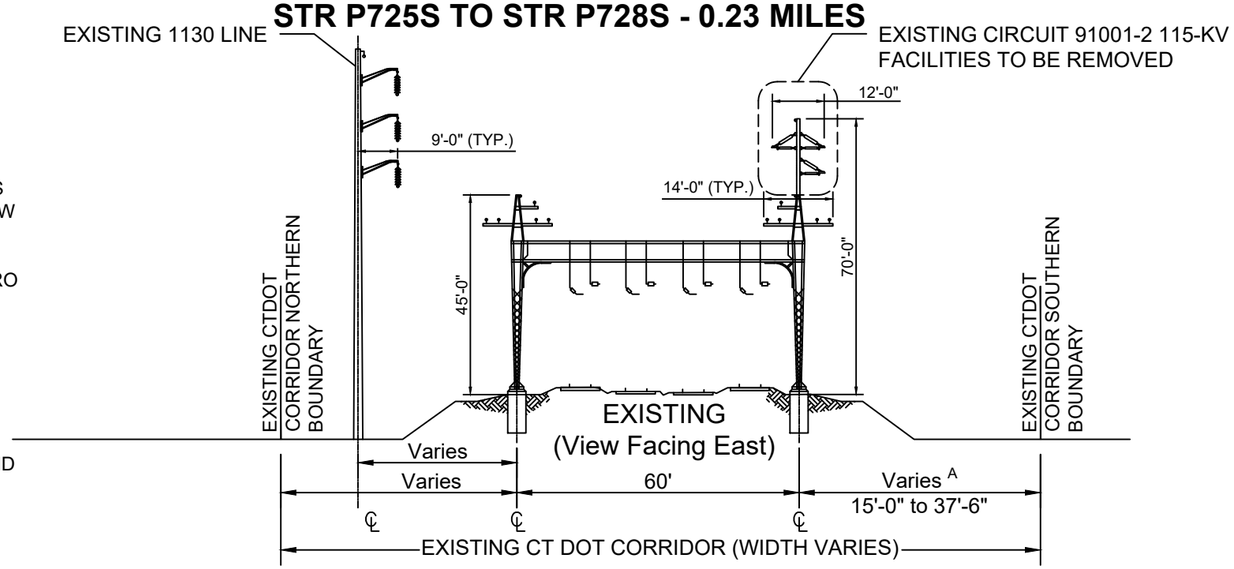
TYPICAL CROSS SECTION DIAGRAMS

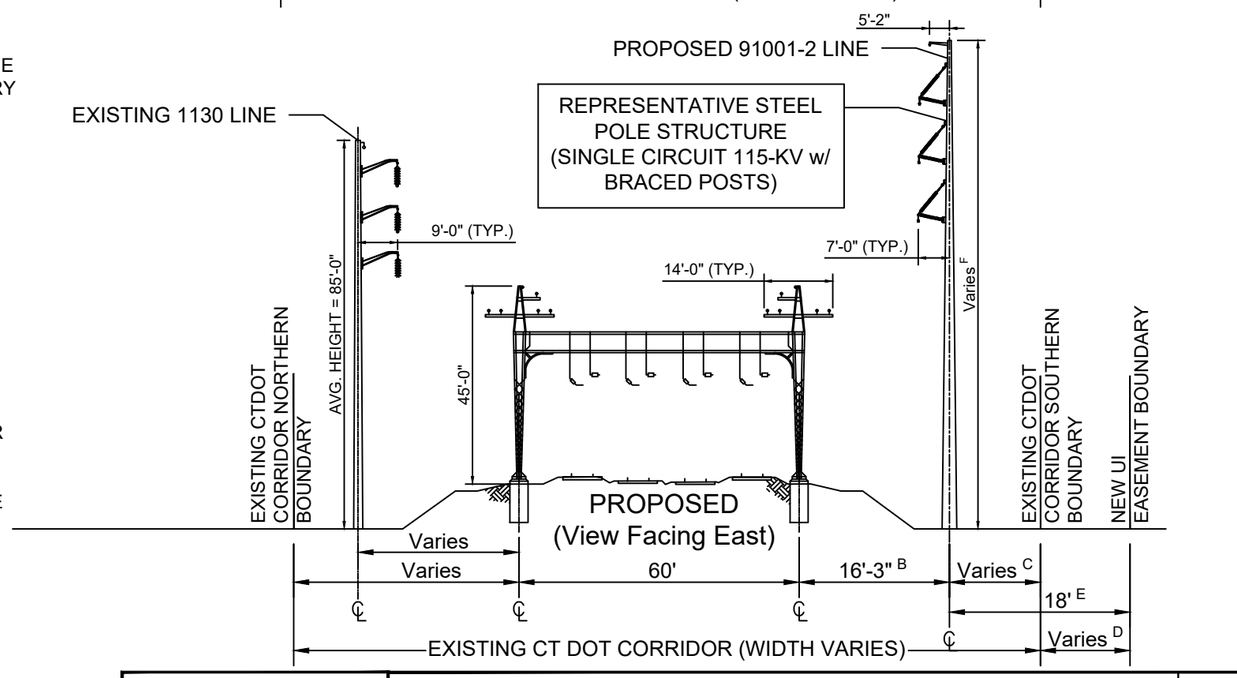
SHEET 11 OF 21

UI 115KV RAILROAD PROJECT FAIRFIELD TO CONGRESS

DR.	ASW	SCALE: NTS	FILE:
CK.	MSP	NO.	REV.
APP.	---	XS-10	0-0C
DATE:	4/15/2022		

CROSS SECTION 11
ASH CREEK SUBSTATION TO PEQUONNOCK SUBSTATION (BRIDGEPORT)
STR P725S TO STR P728S - 0.23 MILES





NOTES:

1. DEPICTED STRUCTURES ARE STEEL TANGENT STRUCTURES. THE VERTICAL ARRANGEMENT MINIMIZES CONDUCTOR BLOWOUT AND THUS, THE AMOUNT OF NEW PERMANENT UI EASEMENT REQUIRED.
2. THE EXISTING CATENARY STRUCTURES SUPPORT METRO NORTH RAILROAD ELECTRICAL FACILITIES CONSISTING UP TO TWO (2) SIGNAL WIRES, 2 OR 3 FEEDER WIRES, AND ONE (1) AERIAL GROUND WIRE.
3. EXISTING CIRCUIT 1130 STEEL POLE STRUCTURES MAY SUPPORT METRO NORTH RAILROAD ELECTRICAL FACILITIES CONSISTING UP TO TWO (2) SIGNAL WIRES AND 2 OR 3 FEEDER WIRES, AND ONE (1) AERIAL GROUND WIRE
4. THE CT DOT CORRIDOR CONTAINS FOUR (4) RAILROAD TRACKS IN THIS AREA OPERATED BY METRO NORTH RAILROAD.
5. A 15'-0" CLEARANCE MUST BE MAINTAINED BETWEEN THE NEW 115-KV CONDUCTORS AND THE EXISTING CATENARY STRUCTURES SO THAT METRO NORTH RAILROAD CAN MAINTAIN THEIR EQUIPMENT WITHOUT REQUIRING AN OUTAGE ON THE 115-KV FACILITIES.
6. EXISTING VEGETATION WITHIN THE CT DOT CORRIDOR VARIES BY LOCATION. REFER TO ATTACHMENTS V2.3 AND V2.4: PROJECT MAPS AND DRAWINGS, FOR LOCATIONS OF PROPOSED TREE REMOVAL.
7. TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 32'-0" FROM EACH STRUCTURE CENTER (25'-0" FROM CONDUCTOR ATTACHMENT POINT). IN LOCATIONS WHERE THE CT DOT CORRIDOR BOUNDARY IS GREATER THAN 32'-0" FROM THE PROPOSED STRUCTURE LOCATION, UI WILL NOT NEED ANY PERMANENT EASEMENT FROM ADJACENT LANDOWNERS TO ACHIEVE THESE CLEARANCES.
8. NO PROJECT ACTIVITIES WILL OCCUR ON THE EXISTING 1130 LINE WHICH IS LOCATED ON INDEPENDENT MONOPOLES ON THE NORTH SIDE OF THE METRO NOTH RAILROAD TRACKS.

[A] THE WIDTH OF THE EXISTING CT DOT CORRIDOR IN THE PROJECT AREA IS HIGHLY VARIABLE. REFER TO ATTACHMENTS V2.3 AND V2.4: PROJECT MAPS AND DRAWINGS, FOR CT DOT CORRIDOR BOUNDARIES.

[B] THIS DISTANCE AVERAGES 16'-3" BUT CAN RANGE FROM 10'-0" TO 25'-0". REFER TO THE TABLE ON SHEET 19 FOR EXACT DISTANCES.

[C] THE DISTANCE BETWEEN THE PROPOSED 115-KV SINGLE-CIRCUIT STRUCTURES AND THE EXISTING CT DOT CORRIDOR SOUTHERN BOUNDARY VARIES. REFER TO THE TABLE ON SHEET 19 FOR EXACT DISTANCES.

[D] THE WIDTH OF UI'S REQUIRED NEW PERMANENT EASEMENT VARIES. REFER TO THE TABLE ON SHEET 19 FOR EXACT DISTANCES.

[E] AT STRUCTURE P661S, THIS DISTANCE IS 21'-0". BETWEEN STRUCTURES P669S AND P671S, THIS DISTANCE IS 28'-0". REFER TO THE ATTACHMENTS V2.3 AND V2.4: PROJECT MAPS AND DRAWINGS, FOR PROPOSED UI EASEMENT BOUNDARY.

[F] THE HEIGHTS OF THE NEW 115-KV SINGLE-CIRCUIT STRUCTURES VARY. REFER TO THE TABLE ON SHEET 19 FOR EXACT STRUCTURE HEIGHTS.

ANSI B

CADD Drawing, DO NOT REVISE MANUALLY.

REV.	DESCRIPTION	DATE	BY	CK	APP

OWNER ENGINEER: | APPROVAL STAMP:

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PE Stamp

REV.	DATE	BY	DESCRIPTION	APP.
0-0C	8/19/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0B	06/24/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0A	4/15/2022	WESTWOOD	ISSUE FOR REVIEW	MSP

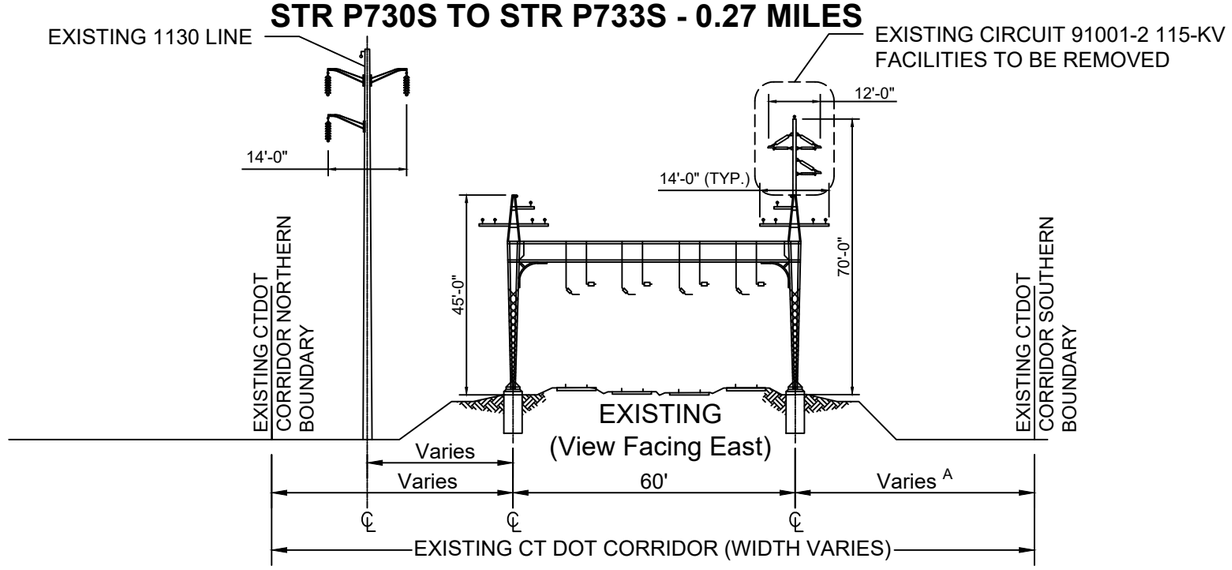
TYPICAL CROSS SECTION DIAGRAMS

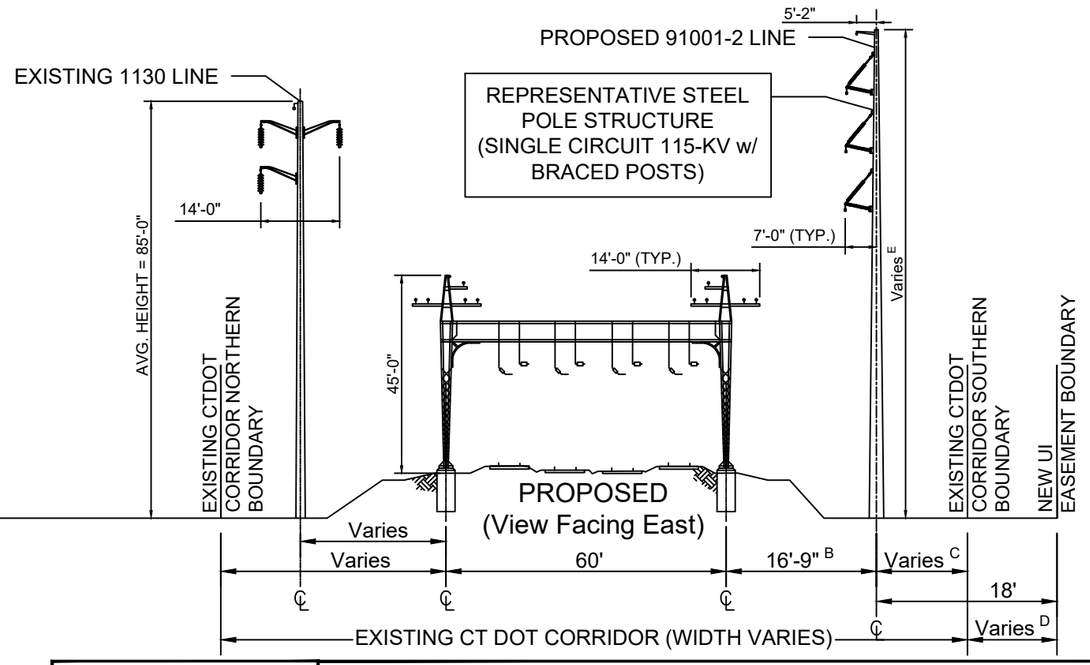
SHEET 12 OF 21

UI 115KV RAILROAD PROJECT FAIRFIELD TO CONGRESS

DR.	ASW	SCALE: NTS	FILE:
CK.	MSP	NO. XS-11	REV. 0-0C
APP.	---		
DATE:	4/15/2022		

CROSS SECTION 12
ASH CREEK SUBSTATION TO PEQUONNOCK SUBSTATION (BRIDGEPORT)
STR P730S TO STR P733S - 0.27 MILES





NOTES:

1. DEPICTED STRUCTURES ARE STEEL TANGENT STRUCTURES. THE VERTICAL ARRANGEMENT MINIMIZES CONDUCTOR BLOWOUT AND THUS, THE AMOUNT OF NEW PERMANENT UI EASEMENT REQUIRED.
2. THE EXISTING CATENARY STRUCTURES SUPPORT METRO NORTH RAILROAD ELECTRICAL FACILITIES CONSISTING UP TO TWO (2) SIGNAL WIRES, 2 OR 3 FEEDER WIRES, AND ONE (1) AERIAL GROUND WIRE.
3. EXISTING CIRCUIT 1130 STEEL POLE STRUCTURES MAY SUPPORT METRO NORTH RAILROAD ELECTRICAL FACILITIES CONSISTING UP TO TWO (2) SIGNAL WIRES AND 2 OR 3 FEEDER WIRES, AND ONE (1) AERIAL GROUND WIRE.
4. THE CT DOT CORRIDOR CONTAINS FOUR (4) RAILROAD TRACKS IN THIS AREA OPERATED BY METRO NORTH RAILROAD.
5. A 15'-0" CLEARANCE MUST BE MAINTAINED BETWEEN THE NEW 115-KV CONDUCTORS AND THE EXISTING CATENARY STRUCTURES SO THAT METRO NORTH RAILROAD CAN MAINTAIN THEIR EQUIPMENT WITHOUT REQUIRING AN OUTAGE ON THE 115-KV FACILITIES.
6. EXISTING VEGETATION WITHIN THE CT DOT CORRIDOR VARIES BY LOCATION. REFER TO ATTACHMENTS V2.3 AND V2.4: PROJECT MAPS AND DRAWINGS, FOR LOCATIONS OF PROPOSED TREE REMOVAL.
7. TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 18'-0" FROM EACH STRUCTURE CENTER (25'-0" FROM CONDUCTOR ATTACHMENT POINT). IN LOCATIONS WHERE THE CT DOT CORRIDOR BOUNDARY IS LESS THAN 18'-0" FROM THE PROPOSED STRUCTURE LOCATION, UI PROPOSES TO ACQUIRE A PERMANENT EASEMENT FROM ADJACENT LANDOWNERS TO ACHIEVE THESE CLEARANCES.
8. NO PROJECT ACTIVITIES WILL OCCUR ON THE EXISTING 1130 LINE WHICH IS LOCATED ON INDEPENDENT MONOPOLES ON THE NORTH SIDE OF THE METRO NOTH RAILROAD TRACKS.

[A] THE WIDTH OF THE EXISTING CT DOT CORRIDOR IN THE PROJECT AREA IS HIGHLY VARIABLE. REFER TO ATTACHMENTS V2.3 AND V2.4: PROJECT MAPS AND DRAWINGS, FOR CT DOT CORRIDOR BOUNDARIES.

[B] THIS DISTANCE AVERAGES 16'-9" BUT CAN RANGE FROM 10'-0" TO 38'-0". REFER TO THE TABLE ON SHEET 19 FOR EXACT DISTANCES.

[C] THE DISTANCE BETWEEN THE PROPOSED 115-KV SINGLE-CIRCUIT STRUCTURES AND THE EXISTING CT DOT CORRIDOR SOUTHERN BOUNDARY VARIES. REFER TO THE TABLE ON SHEET 19 FOR EXACT DISTANCES.

[D] THE WIDTH OF UI'S REQUIRED PERMANENT EASEMENT VARIES. REFER TO THE TABLE ON SHEET 19 FOR EXACT DISTANCES.

[E] THE HEIGHTS OF THE NEW 115-KV SINGLE-CIRCUIT STRUCTURES VARY. REFER TO THE TABLE ON SHEET 19 FOR EXACT STRUCTURE HEIGHTS.

ANSI B

CADD Drawing, DO NOT REVISE MANUALLY.

REV.	DESCRIPTION	DATE	BY	CK	APP

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0-0B	06/24/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0A	4/15/2022	WESTWOOD	ISSUE FOR REVIEW	MSP

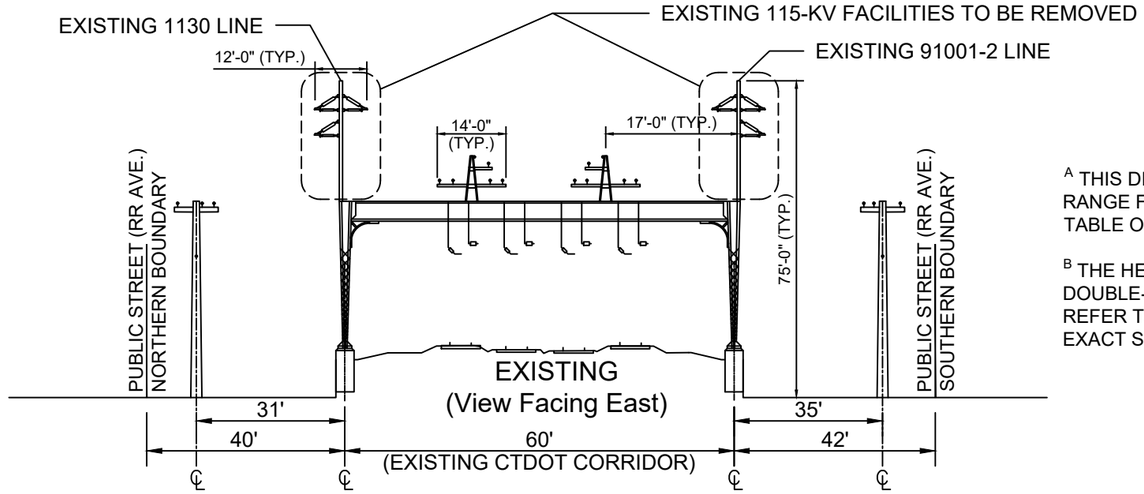
TYPICAL CROSS SECTION DIAGRAMS

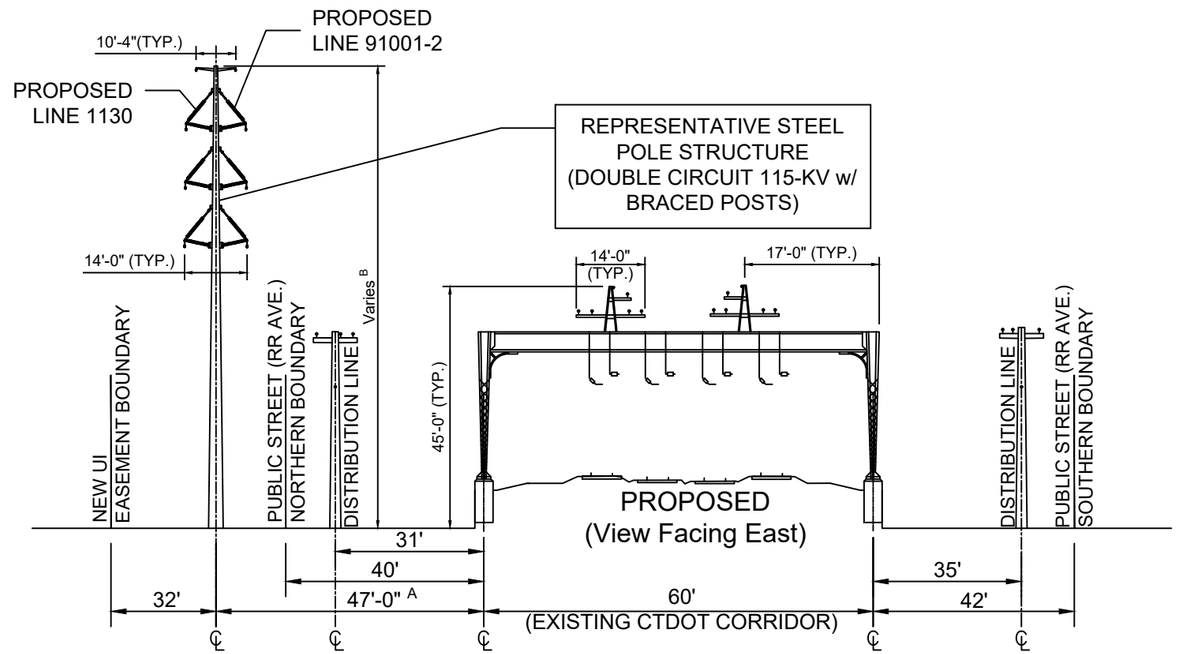
SHEET 13 OF 21

UI 115KV RAILROAD PROJECT FAIRFIELD TO CONGRESS

DR.	ASW	SCALE: NTS	FILE:
CK.	MSP	NO.	REV.
APP.	---	XS-12	0-0C
DATE:	4/15/2022		

CROSS SECTION 13
ASH CREEK SUBSTATION TO PEQUONNOCK SUBSTATION (BRIDGEPORT)
STR P738N TO STR P745N - 0.42 MILES





NOTES:

1. DEPICTED STRUCTURES ARE STEEL TANGENT STRUCTURES. DEAD END AND HYBRID (DEADEND/SUSPENSION) STRUCTURES WILL DIFFER.
2. THE EXISTING CATENARY STRUCTURES SUPPORT METRO NORTH RAILROAD ELECTRICAL FACILITIES CONSISTING OF TWO (2) SIGNAL WIRES, 2 OR 3 FEEDER WIRES, AND ONE (1) AERIAL GROUND WIRE, INSET 17' FROM BOTH THE NORTHERN AND SOUTHERN CATENARY SUPPORT COLUMNS.
3. THE CT DOT CORRIDOR CONTAINS FOUR (4) ELEVATED RAILROAD TRACKS IN THIS AREA OPERATED BY METRO NORTH RAILROAD, AND IS BOUND ON BOTH THE NORTH AND SOUTH SIDES BY A PUBLIC STREET (RAILROAD AVENUE).
4. TO MAINTAIN A.D.A. COMPLIANCE IN CITY SIDEWALKS, IT WAS DEEMED NECESSARY TO PLACE THE PROPOSED MONOPOLES ON PRIVATE PROPERTY, NORTH OF THE SIDEWALK AND EXISTING UI DISTRIBUTION LINE.
5. UI DISTRIBUTION LINES ON BOTH THE NORTH SIDE AND THE SOUTH SIDE EXIST WITHIN BRIDGEPORT'S RAILROAD AVENUE RIGHT OF WAY. THESE DISTRIBUTION LINES WILL REMAIN UNCHANGED FROM EXISTING CONDITIONS.
6. TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 32'-0" FROM EACH STRUCTURE CENTER (25'-0" FROM CONDUCTOR ATTACHMENT POINT). IN LOCATIONS WHERE THE SURROUNDING ENVIRONMENT REQUIRES A PROPOSED STRUCTURE TO BE PLACED OUTSIDE OF THE CT DOT CORRIDOR, UI PROPOSES TO ACQUIRE A PERMANENT EASEMENT FROM ADJACENT LANDOWNERS TO ACHIEVE THESE CLEARANCES.

[A] THIS DISTANCE AVERAGES 47'-0" BUT CAN RANGE FROM 46'-0" TO 48'-0". REFER TO THE TABLE ON SHEET 20 FOR EXACT DISTANCES.

[B] THE HEIGHTS OF THE NEW 115-KV DOUBLE-CIRCUIT STRUCTURES VARY. REFER TO THE TABLE ON SHEET 20 FOR EXACT STRUCTURE HEIGHTS.

CADD Drawing, DO NOT REVISE MANUALLY.

ANSI B

REV.	DESCRIPTION	DATE	BY	CK	APP

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PE Stamp

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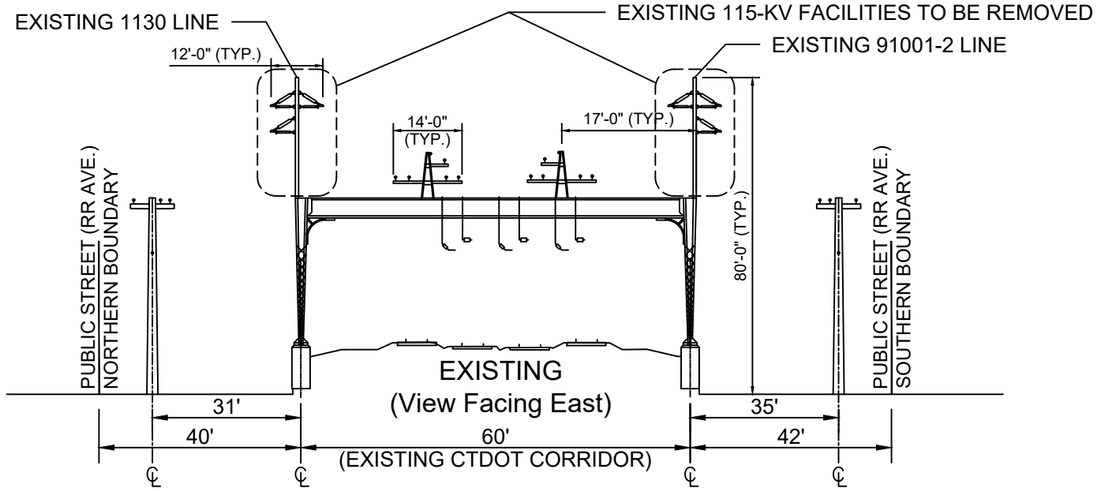
TYPICAL CROSS SECTION DIAGRAMS

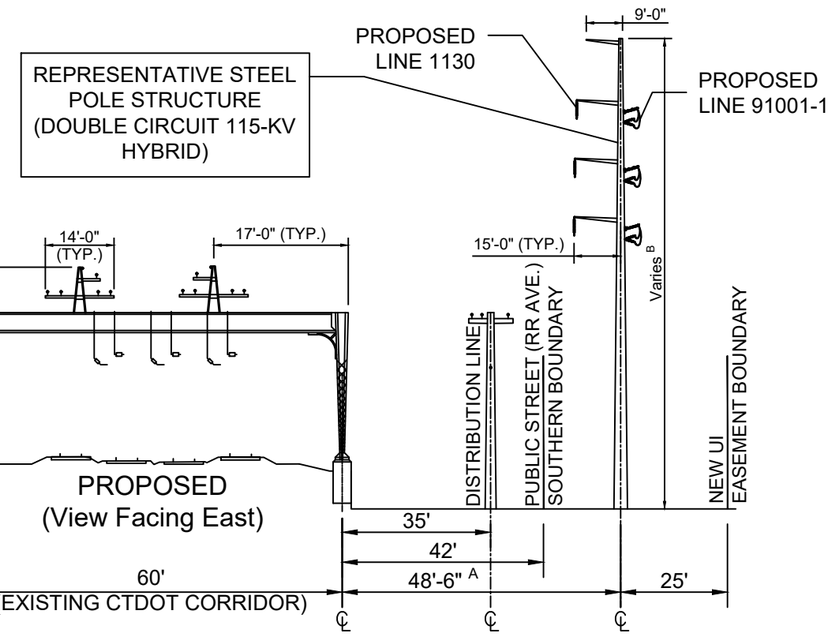
SHEET 14 OF 21

UI 115KV RAILROAD PROJECT FAIRFIELD TO CONGRESS

DR.	ASW	SCALE: NTS	FILE:
CK.	MSP	NO.	REV.
APP.	---	XS-13	0-0C
DATE:	4/15/2022		

CROSS SECTION 14
ASH CREEK SUBSTATION TO PEQUONNOCK SUBSTATION (BRIDGEPORT)
STR P745S TO STR P752S - 0.40 MILES, STR P762S TO STR P765AS - 0.15 MILES





NOTES:

1. DEPICTED STRUCTURES ARE STEEL HYBRID (DEADEND/SUSPENSION) STRUCTURES. TANGENT AND DEADEND STRUCTURES WILL DIFFER.
2. THE EXISTING CATENARY STRUCTURES SUPPORT METRO NORTH RAILROAD ELECTRICAL FACILITIES CONSISTING OF TWO (2) SIGNAL WIRES, 2 OR 3 FEEDER WIRES, AND ONE (1) AERIAL GROUND WIRE, INSET 17' FROM BOTH THE NORTHERN AND SOUTHERN CATENARY SUPPORT COLUMNS.
3. THE CT DOT CORRIDOR CONTAINS FOUR (4) ELEVATED RAILROAD TRACKS IN THIS AREA OPERATED BY METRO NORTH RAILROAD, AND IS BOUND ON BOTH NORTH AND SOUTH SIDES BY A PUBLIC STREET (RAILROAD AVENUE.)
4. TO MAINTAIN A.D.A. COMPLIANCE IN CITY SIDEWALKS, IT WAS DEEMED NECESSARY TO PLACE THE PROPOSED MONOPOLES ON PRIVATE PROPERTY, SOUTH OF THE SIDEWALK AND EXISTING UI DISTRIBUTION LINE.
5. UI DISTRIBUTION LINES ON BOTH THE NORTH SIDE AND THE SOUTH SIDE EXIST WITHIN BRIDGEPORT'S RAILROAD AVENUE RIGHT OF WAY. THESE DISTRIBUTION LINES WILL REMAIN UNCHANGED FROM EXISTING CONDITIONS.
5. TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 25'-0" FROM EACH STRUCTURE CENTER. IN LOCATIONS WHERE THE SURROUNDING ENVIRONMENT REQUIRES A PROPOSED STRUCTURE TO BE PLACED OUTSIDE OF THE CT DOT CORRIDOR, UI PROPOSES TO ACQUIRE A PERMANENT EASEMENT FROM ADJACENT LANDOWNERS TO ACHIEVE THESE CLEARANCES.

[A] THIS DISTANCE AVERAGES 48'-6" BUT CAN RANGE FROM 36'-0" TO 83'-0". REFER TO THE TABLE ON SHEET 20 FOR EXACT DISTANCES.

[B] THE HEIGHTS OF THE NEW 115-KV DOUBLE-CIRCUIT STRUCTURES VARY. REFER TO THE TABLE ON SHEET 20 FOR EXACT STRUCTURE HEIGHTS.

CADD Drawing, DO NOT REVISE MANUALLY.

ANSI B

REV.	DESCRIPTION	DATE	BY	CK	APP

OWNER ENGINEER: | APPROVAL STAMP:

DRAWING PREPARED BY: | ACCEPTED BY OE:

PE Stamp

REV.	DATE	BY	DESCRIPTION	APP.
0-0C	8/19/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0B	06/24/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0A	4/15/2022	WESTWOOD	ISSUE FOR REVIEW	MSP

TYPICAL CROSS SECTION DIAGRAMS

SHEET 15 OF 21

UI 115KV RAILROAD PROJECT FAIRFIELD TO CONGRESS

DR.	ASW	SCALE: NTS	FILE:
CK.	MSP	NO. XS-14	REV. 0-0C
APP.	---		
DATE:	4/15/2022		

CROSS SECTION 15
ASH CREEK SUBSTATION TO PEQUONNOCK SUBSTATION (BRIDGEPORT)
STR P756N TO STR P759N & STR P756S TO STR P760S - 0.19 MILES

NOTES:

1. DEPICTED STRUCTURES ARE STEEL TANGENT STRUCTURES. THE VERTICAL ARRANGEMENT MINIMIZES CONDUCTOR BLOWOUT AND THUS, THE AMOUNT OF NEW PERMANENT UI EASEMENT REQUIRED.

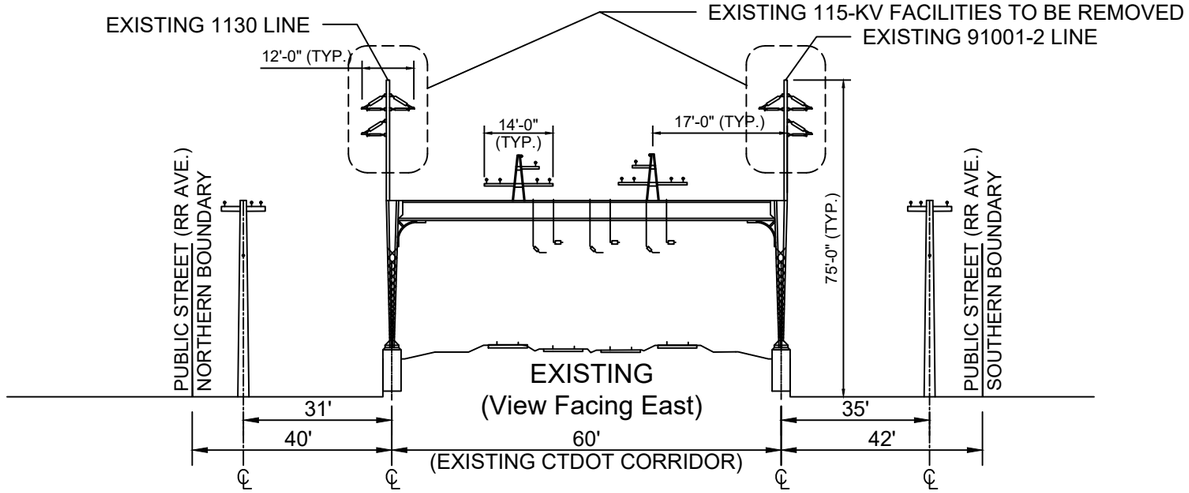
2. THE EXISTING CATENARY STRUCTURES SUPPORT METRO NORTH RAILROAD ELECTRICAL FACILITIES CONSISTING OF TWO (2) SIGNAL WIRES, 2 OR 3 FEEDER WIRES, AND ONE (1) AERIAL GROUND WIRE, INSET 17' FROM BOTH THE NORTHERN AND SOUTHERN CATENARY SUPPORT COLUMNS.

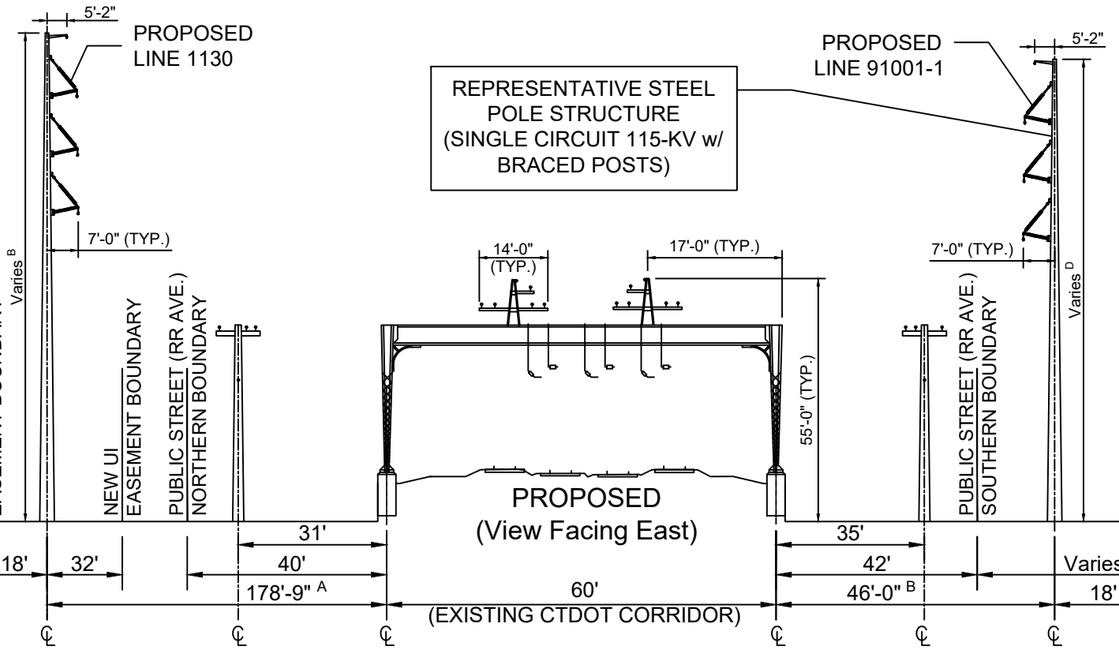
3. THE CT DOT CORRIDOR CONTAINS FOUR (4) ELEVATED RAILROAD TRACKS IN THIS AREA OPERATED BY METRO NORTH RAILROAD, AND IS BOUNDED ON BOTH SIDES BY A PUBLIC STREET (RAILROAD AVENUE).

4. TO MAINTAIN A.D.A. COMPLIANCE IN CITY SIDEWALKS, IT WAS DEEMED NECESSARY TO PLACE HE PROPOSED MONOPOLES ON PRIVATE PROPERTY, NORTH OR SOUTH OF THE SIDEWALK AND EXISTING UI DISTRIBUTION LINE. DUE TO THE AMOUNT OF RESIDENTIAL PROPERTIES ADJACENT TO THE NORTH SIDE OF RAILROAD AVENUE IN THIS AREA, IT WAS DEEMED PREFERENTIAL TO LIMIT IMPACTS TO THESE PROPERTIES AND ROUTE THE LINE FURTHER AWAY FROM RAILROAD AVENUE AND CLOSER TO I-95.

5. UI DISTRIBUTION LINES EXIST WITHIN PUBLIC SPACE, BOTH NORTH AND SOUTH OF RAILROAD AVENUE. THESE DISTRIBUTION LINES WILL REMAIN UNCHANGED FROM EXISTING CONDITIONS.

6. TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 25'-0" FROM CONDUCTOR ATTACHMENT POINTS. IN LOCATIONS WHERE THE SURROUNDING ENVIRONMENT REQUIRES A PROPOSED STRUCTURE TO BE PLACED OUTSIDE OF THE CT DOT CORRIDOR, UI PROPOSES TO ACQUIRE A PERMANENT EASEMENT FROM ADJACENT LANDOWNERS TO ACHIEVE THESE CLEARANCES.





[A] THIS DISTANCE AVERAGES 178'-9" BUT CAN RANGE FROM 57'-0" TO 317'-0". REFER TO THE TABLE ON SHEET 21 FOR EXACT DISTANCES.

[B] THIS DISTANCE AVERAGES 46'-0" BUT CAN RANGE FROM 45'-0" TO 48'-0". REFER TO THE TABLE ON SHEET 21 FOR EXACT DISTANCES.

[C] THE WIDTH OF UI'S REQUIRED NEW PERMANENT EASEMENT VARIES. REFER TO THE TABLE ON SHEET 21 FOR EXACT DISTANCES.

[D] THE HEIGHTS OF THE NEW 115-KV SINGLE-CIRCUIT STRUCTURES VARY. REFER TO THE TABLE ON SHEET 21 FOR EXACT STRUCTURE HEIGHTS.

ANSI B CADD Drawing, DO NOT REVISE MANUALLY.

REV.	DESCRIPTION	DATE	BY	CK	APP

OWNER ENGINEER: | APPROVAL STAMP:

DRAWING PREPARED BY: | ACCEPTED BY OE:

PE Stamp

REV.	DATE	BY	DESCRIPTION	APP.
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0-0B	06/24/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0A	4/15/2022	WESTWOOD	ISSUE FOR REVIEW	MSP

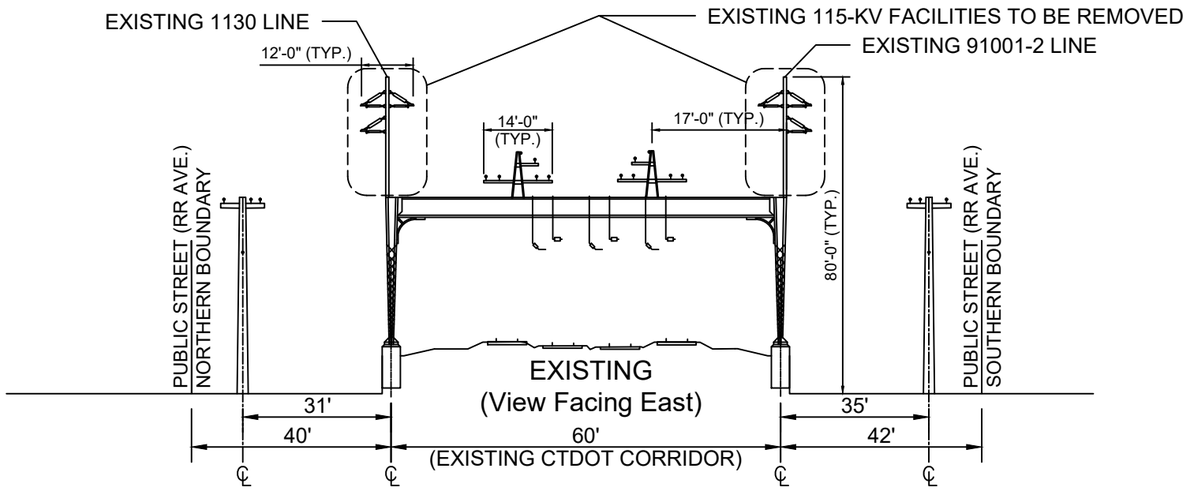
TYPICAL CROSS SECTION DIAGRAMS

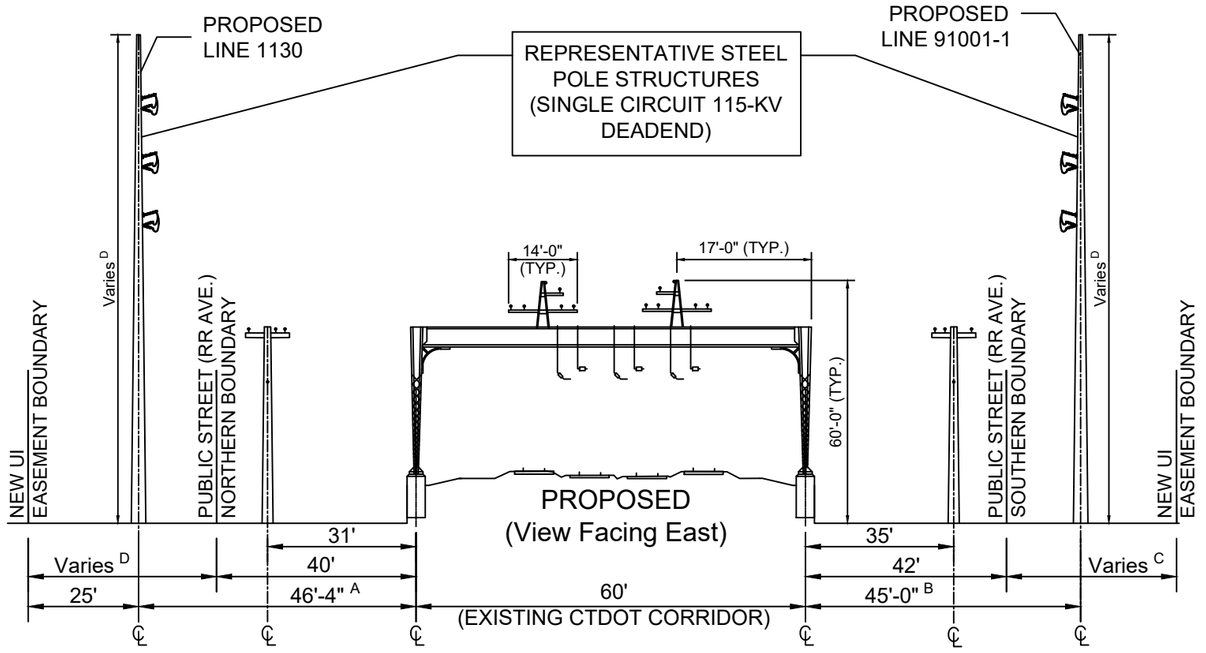
SHEET 16 OF 21

UI 115KV RAILROAD PROJECT FAIRFIELD TO CONGRESS

DR.	ASW	SCALE: NTS	FILE:
CK.	MSP	NO.	REV.
APP.	---	XS-15	0-0C
DATE:	4/15/2022		

CROSS SECTION 16
ASH CREEK SUBSTATION TO PEQUONNOCK SUBSTATION (BRIDGEPORT)
STRS P752N/P752S, STR P760N TO STR P762N & STR P760S TO STR P762S - 0.13 MILES





NOTES:

1. DEPICTED STRUCTURES ARE STEEL DEADEND STRUCTURES. THE VERTICAL ARRANGEMENT MINIMIZES CONDUCTOR BLOWOUT AND THUS, THE AMOUNT OF NEW PERMANENT UI EASEMENT REQUIRED.
2. THE EXISTING CATENARY STRUCTURES SUPPORT METRO NORTH RAILROAD ELECTRICAL FACILITIES CONSISTING OF TWO (2) SIGNAL WIRES, 2 OR 3 FEEDER WIRES, AND ONE (1) AERIAL GROUND WIRE, INSET 17' FROM BOTH THE NORTHERN AND SOUTHERN CATENARY SUPPORT COLUMNS.
3. THE CT DOT CORRIDOR CONTAINS FOUR (4) ELEVATED RAILROAD TRACKS IN THIS AREA OPERATED BY METRO NORTH RAILROAD, AND IS BOUND ON BOTH THE NORTH AND SOUTH SIDES BY A PUBLIC STREET (RAILROAD AVENUE).
4. TO MAINTAIN A.D.A. COMPLIANCE IN CITY SIDEWALKS, IT WAS DEEMED NECESSARY TO PLACE THE PROPOSED MONOPOLES ON PRIVATE PROPERTY NORTH OR SOUTH OF THE SIDEWALK AND EXISTING UI DISTRIBUTION LINE.
5. UI DISTRIBUTION LINES EXIST WITHIN PUBLIC SPACE, BOTH NORTH AND SOUTH OF RAILROAD AVENUE. THESE DISTRIBUTION LINES WILL REMAIN UNCHANGED FROM EXISTING CONDITIONS.
6. TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 25'-0" FROM EACH STRUCTURE CENTER. IN LOCATIONS WHERE THE SURROUNDING ENVIRONMENT REQUIRES A PROPOSED STRUCTURE TO BE PLACED OUTSIDE OF THE CT DOT CORRIDOR, UI PROPOSES TO ACQUIRE A PERMANENT EASEMENT FROM ADJACENT LANDOWNERS TO ACHIEVE THESE CLEARANCES.

[A] THIS DISTANCE AVERAGES 46'-4" BUT CAN RANGE FROM 44'-0" TO 48'-0". REFER TO THE TABLE ON SHEET 21 FOR EXACT DISTANCES.

[B] THIS DISTANCE AVERAGES 45'-0" BUT CAN RANGE FROM 37'-0" TO 50'-0". REFER TO THE TABLE ON SHEET 21 FOR EXACT DISTANCES.

[C] THE WIDTH OF UI'S REQUIRED NEW PERMANENT EASEMENT VARIES. REFER TO THE TABLE ON SHEET 21 FOR EXACT DISTANCES.

[D] THE HEIGHT OF THE NEW 115-KV SINGLE-CIRCUIT STRUCTURES VARY. REFER TO THE TABLE ON SHEET 21 FOR EXACT STRUCTURE HEIGHTS.

CADD Drawing, DO NOT REVISE MANUALLY.

ANSI B

REV.	DESCRIPTION	DATE	BY	CK	APP

OWNER ENGINEER:

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REV.	DATE	BY	DESCRIPTION	APP.
0-0C	8/19/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0B	06/24/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0A	4/15/2022	WESTWOOD	ISSUE FOR REVIEW	MSP

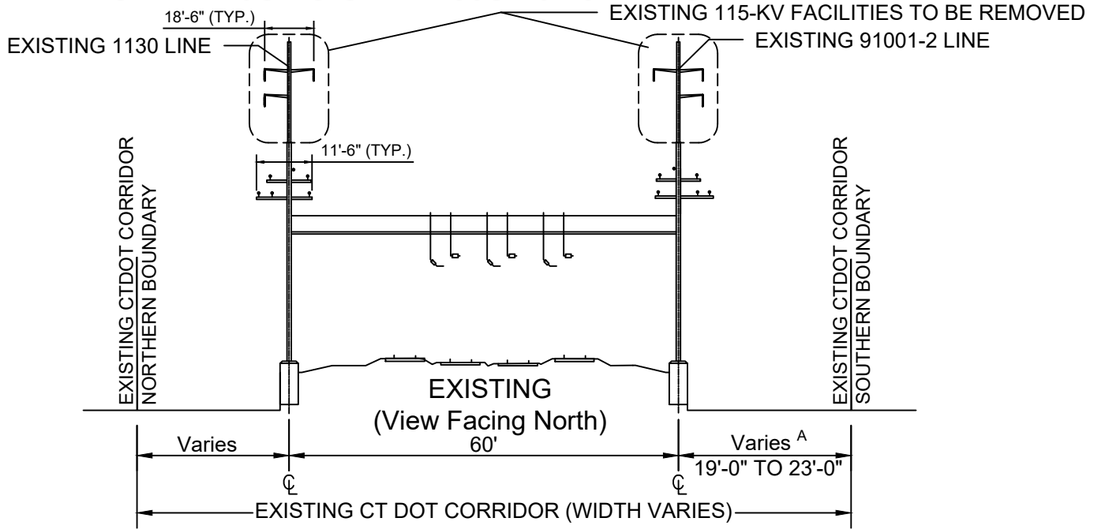
TYPICAL CROSS SECTION DIAGRAMS

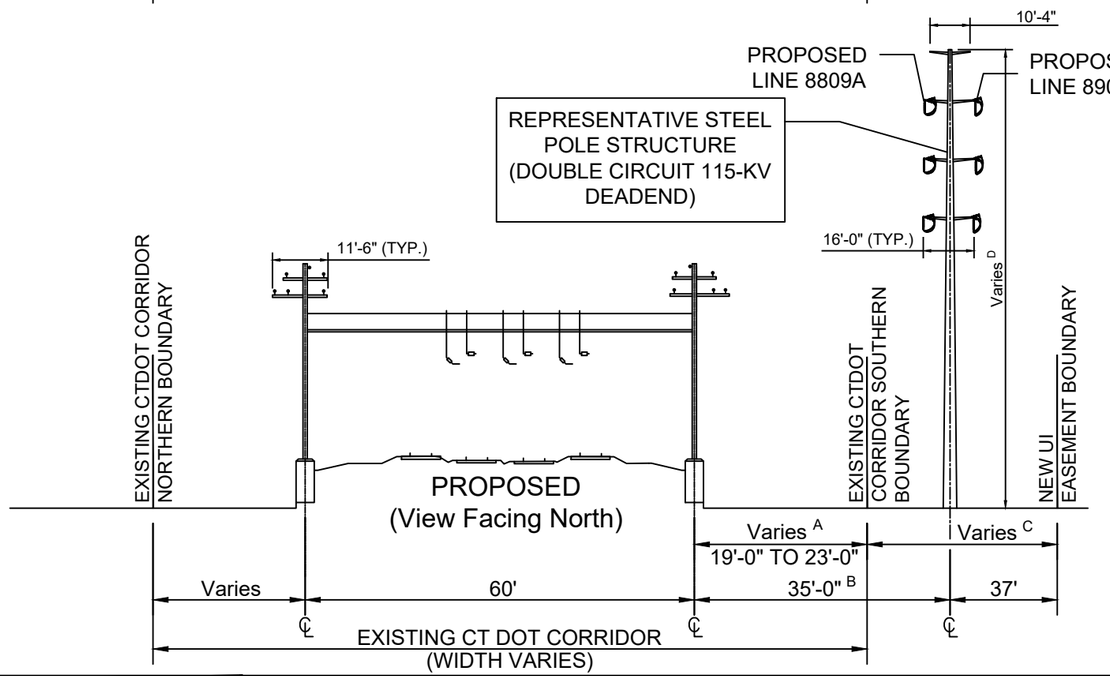
SHEET 17 OF 21

UI 115KV RAILROAD PROJECT FAIRFIELD TO CONGRESS

DR.	ASW	SCALE: NTS	FILE:
CK.	MSP	NO. XS-16	REV. 0-0C
APP.	---		
DATE:	4/15/2022		

CROSS SECTION 17
PEQUONNOCK SUBSTATION TO CONGRESS STREET SUBSTATION (BRIDGEPORT)
STR P779S TO STR P783S - 0.25 MILES





NOTES:

1. THE EXISTING CATENARY STRUCTURES SUPPORT METRO NORTH RAILROAD ELECTRICAL FACILITIES CONSISTING OF TWO (2) SIGNAL WIRES, 2 OR 3 FEEDER WIRES, AND ONE (1) AERIAL GROUND WIRE, BOTH ON THE NORTHERN AND SOUTHERN CATENARY SUPPORT COLUMNS.

2. THE CT DOT CORRIDOR CONTAINS FOUR (4) RAILROAD TRACKS IN THIS AREA OPERATED BY METRO NORTH RAILROAD.

3. A 15'-0" CLEARANCE MUST BE MAINTAINED BETWEEN THE NEW 115-KV CONDUCTORS AND THE EXISTING CATENARY STRUCTURES SO THAT METRO NORTH RAILROAD CAN MAINTAIN THEIR EQUIPMENT WITHOUT REQUIRING AN OUTAGE ON THE 115-KV FACILITIES.

4. TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 37'-0" FROM EACH STRUCTURE CENTER (29'-0" FROM CONDUCTOR ATTACHMENT POINT). IN LOCATIONS WHERE THE SURROUNDING ENVIRONMENT REQUIRES A PROPOSED STRUCTURE TO BE PLACED OUTSIDE OF THE CT DOT CORRIDOR, UI PROPOSES TO ACQUIRE A PERMANENT EASEMENT FROM ADJACENT LANDOWNERS TO ACHIEVE THESE CLEARANCES.

5. DISTANCE FROM NORTHERN CATENARY STRUCTURE TO CT DOT CORRIDOR NORTHERN BOUNDARY WILL REMAIN UNCHANGED FROM EXISTING CONDITIONS.

[A] THE WIDTH OF THE EXISTING CT DOT CORRIDOR IN THE PROJECT AREA IS HIGHLY VARIABLE. REFER TO ATTACHMENTS V2.3 AND V2.4: PROJECT MAPS AND DRAWINGS, FOR CT DOT CORRIDOR BOUNDARIES.

[B] THIS DISTANCE AVERAGES 35'-0" BUT CAN RANGE FROM 30'-0" TO 40'-0". REFER TO THE TABLE ON SHEET 21 FOR EXACT DISTANCES.

[C] THE WIDTH OF UI'S REQUIRED PERMANENT EASEMENT VARIES. REFER TO THE TABLE ON SHEET 21 FOR EXACT DISTANCES.

[D] THE HEIGHTS OF THE NEW 115-KV DOUBLE-CIRCUIT STRUCTURES VARIES. REFER TO THE TABLE ON SHEET 21 FOR EXACT STRUCTURE HEIGHTS.

CADD Drawing, DO NOT REVISE MANUALLY.

ANSI B

REV.	DESCRIPTION	DATE	BY	CK	APP

OWNER ENGINEER: | APPROVAL STAMP:

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PE Stamp

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0-0C	8/19/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0B	06/24/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0A	4/15/2022	WESTWOOD	ISSUE FOR REVIEW	MSP

TYPICAL CROSS SECTION DIAGRAMS

SHEET 18 OF 21

UI 115KV RAILROAD PROJECT FAIRFIELD TO CONGRESS

DR.	ASW	SCALE: NTS	FILE:
CK.	MSP	NO. XS-17	REV. 0-0C
APP.	---		
DATE:	4/15/2022		

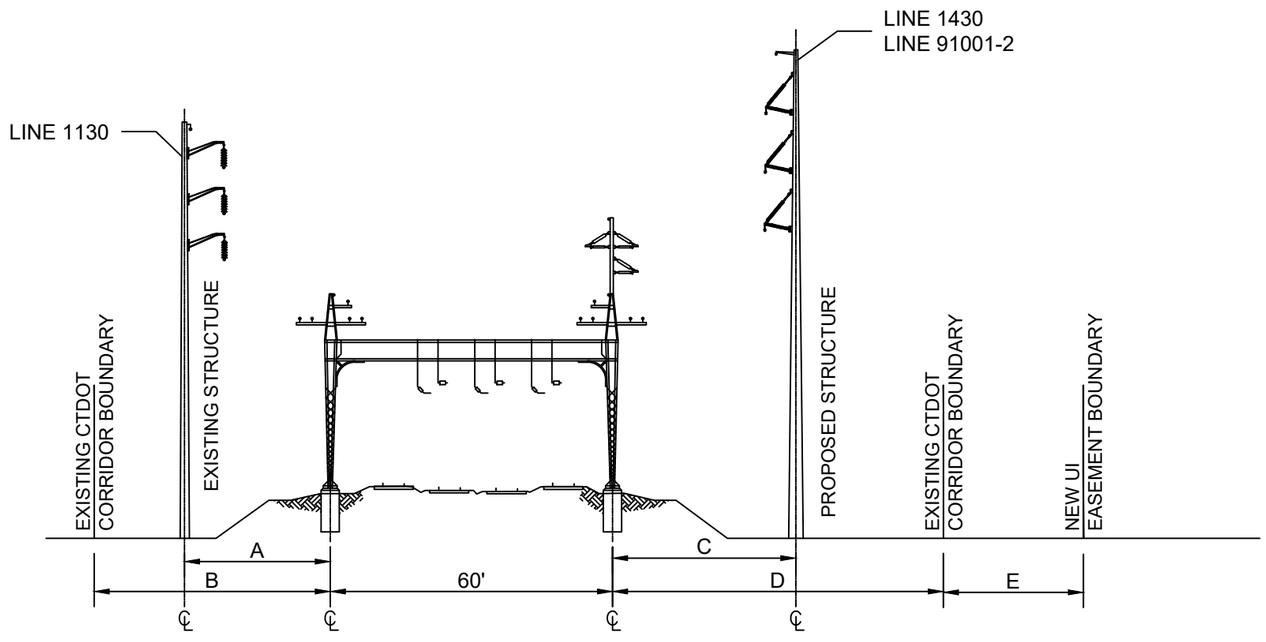
LIST OF PROPOSED STRUCTURES BY CROSS SECTION REFERENCE

Structure	Cross Section #	Structure Height	A	B	C	D	E
P648S	1	100	4	7	19	39	-
P649S	1	105	4	7	18	39	-
P650S	1	105	3.5	6.5	19	39	-
P651S	1	110	4	7	21.5	39.5	-
P659S	1	135	0	7	9	48	-
P684S	1	120	3	100+	14	70	-
P685S	1	120	4	100+	10	76	-
P686S	1	125	3	100+	4	77	-
P655S	2	115	3	27	26	16.5	27.5
P656S	2	105	2.5	26.5	20	15.5	22.5
P664S	2	130	9	43	22	21	19
P699S	2	120	3	100+	19	18.5	18.5
P700S	2	110	3	100+	51	19	50
P701S	2	110	3	100+	25	18.5	24.5
P703S	2	105	3	100+	26	18.5	25.5
P708S	2	125	3	71	25	19	24
P657S	3	105	0	25	32	24.5	25.5
P681S	3	125	4	7	23	22	19
P661S	4	135	0	6	21	24.5	14.5
P668S	4	110	3	10	10	15	13
P669S	4	110	3	11	19	37	-
P671S	4	120	2	12	25	37.5	5.5
P679S	4	130	4	8	12	18.5	11.5
P682S	4	130	4	4	19	22	15
P663S	5	125	3	33.5	21	42.5	-
P666AS	5	110	0	100	25	100+	-
P688S	5	125	7	100+	13	100+	-
P706S	5	125	0	100+	29	69	-

Structure	Cross Section #	Structure Height	A	B	C	D	E
P665BS	6	125	6	42.5	23	35	6
P673S	6	125	3.5	8.5	18	24	12
P675S	6	115	3	8	17	30	5
P676S	6	105	3	8	17	30	5
P677S	6	105	4	8	16	18	16
P678S	6	120	4	8	10	18	10
P689S	6	135	5	16	16	22.5	11.5
P690S	6	120	4	16	18	21.5	14.5
P691S	6	110	4.5	19	18	22	14
P692S	6	120	4	20	17	21.5	13.5
P693S	6	125	4.5	20	18	21.5	14.5
P695S	6	125	4.5	19	20	20	18
P696S	6	125	4	19	15	19.5	13.5
P698S	6	130	3	100+	18	20	16
P704S	6	120	6	100+	63	68	13
P709S	6	110	3	71	12	20	10
P710AS	6	100	3	67	38	43	13
P710S	6	110	3	21	11	19	10
P711AS	6	100	0	67	15	18.5	14.5
P712S	6	105	3	67	12	18.5	11.5
P713S	6	110	0	67	10	19	9

Structure	Cross Section #	Structure Height	A	B	C	D	E
P716S	9	120	3	20	36	19	35
P721ES	9	130	2	19	16.5	19	15.5
P723S	9	125	2	19	17	6	29
P724S	9	105	2	28	17	18.5	16.5
P719S	10	115	3	19	10	100+	-
P725S	11	110	0	28	11	19	10
P726S	11	100	0	25	12	20	10
P727S	11	110	2	28	10	19	9
P728S	11	120	6	28	19	20	17
P730S	12	130	3	27	9	21	6
P733S	12	130	0	34	15	21	12

A - DISTANCE FROM CATENARY STRUCTURE TO EXISTING POLE (NORTH SIDE)
B - DISTANCE FROM CATENARY STRUCTURE TO EXISTING CORRIDOR BOUNDARY (NORTH SIDE)
C - DISTANCE FROM CATENARY STRUCTURE TO PROPOSED POLE (SOUTH SIDE)
D - DISTANCE FROM CATENARY STRUCTURE TO EXISTING CORRIDOR BOUNDARY (SOUTH SIDE)
E - WIDTH OF PROPOSED UI EASEMENT (WHERE APPLICABLE)



LOOKING TOWARDS PEQUONNOCK SUBSTATION

CADD Drawing, DO NOT REVISE MANUALLY.

ANSI B

REV.	DESCRIPTION	DATE	BY	CK	APP

OWNER ENGINEER:

APPROVAL STAMP:

DRAWING PREPARED BY:

ACCEPTED BY OE:

PE Stamp

REV.	DATE	BY	DESCRIPTION	APP.
0-0C	8/19/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0B	06/24/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0A	4/15/2022	WESTWOOD	ISSUE FOR REVIEW	MSP

TYPICAL CROSS SECTION DIAGRAMS

SHEET 19 OF 21

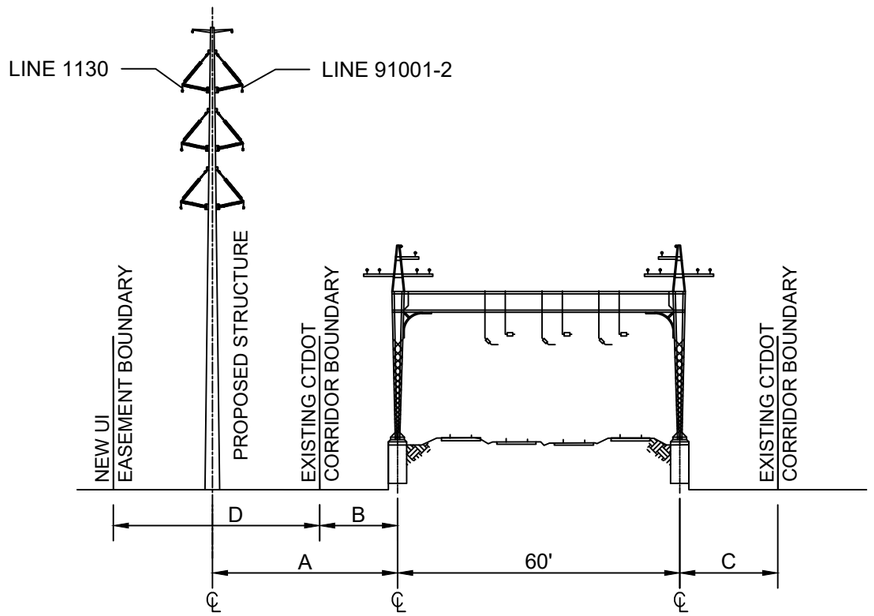
UI 115KV RAILROAD PROJECT FAIRFIELD TO CONGRESS

DR.	ASW	SCALE: NTS	FILE:
CK.	MSP	NO.	REV.
APP.	---	XS DIMENSIONS TABLE 1	0-0C
DATE:	4/15/2022		

LIST OF PROPOSED STRUCTURES BY CROSS SECTION REFERENCE

Structure	Cross Section #	Structure Height	A	B	C	D
P738N	13	100	48	0	0	80
P739N	13	95	48	0	0	80
P740N	13	110	48	0	0	80
P742N	13	105	48	0	0	80
P743N	13	100	47	0	0	79
P744EN	13	115	46	0	0	78
P744N	13	105	46	0	0	78
P745N	13	115	46	0	0	78

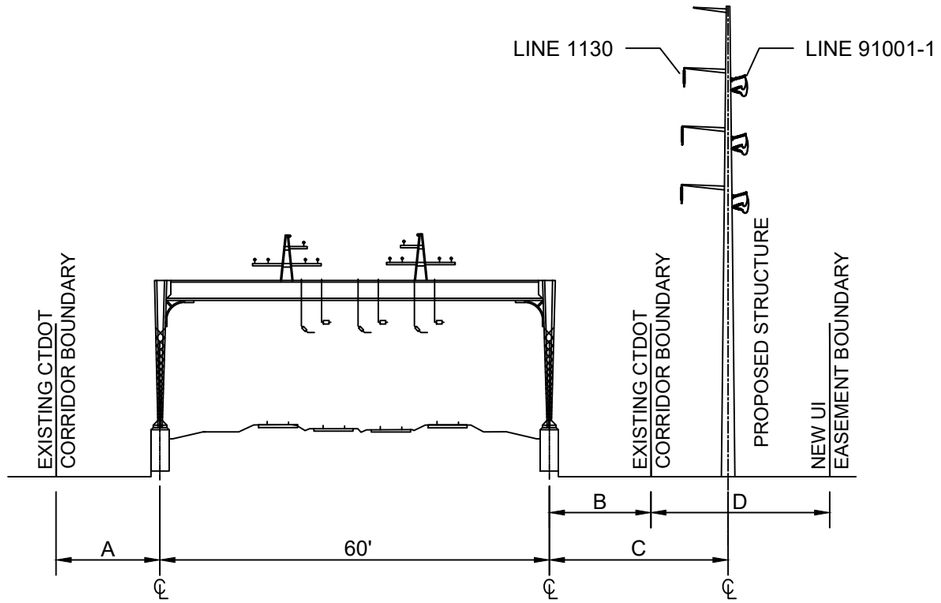
A - DISTANCE FROM CATENARY STRUCTURE TO PROPOSED POLE (NORTH SIDE)
B,C - THE RAILROAD CORRIDOR BOUNDARY IS AT THE EDGE OF THE CATENARY STRUCTURE
D - WIDTH OF PROPOSED UI EASEMENT



LOOKING TOWARDS PEQUONNOCK SUBSTATION

Structure	Cross Section #	Structure Height	A	B	C	D
P745S	14	115	0	0	52	77
P746S	14	115	0	0	51	76
P748S	14	115	0	0	42	67
P749S	14	115	0	0	38	63
P750S	14	115	0	0	48	73
P751S	14	120	0	0	49	74
P752S	14	130	0	0	37	62
P762S	14	125	0	0	50	75
P765AS	14	125	0	0	74	99

A,B - THE RAILROAD CORRIDOR BOUNDARY IS AT THE EDGE OF THE CATENARY STRUCTURE
C - DISTANCE FROM CATENARY STRUCTURE TO PROPOSED POLE (SOUTH SIDE)
D - WIDTH OF PROPOSED UI EASEMENT



LOOKING TOWARDS PEQUONNOCK SUBSTATION

CADD Drawing, DO NOT REVISE MANUALLY.

ANSI B

REV.	DESCRIPTION	DATE	BY	CK	APP

OWNER ENGINEER: | APPROVAL STAMP:

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REV.	DATE	BY	DESCRIPTION	APP.
0-0C	8/19/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0B	06/24/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0A	4/15/2022	WESTWOOD	ISSUE FOR REVIEW	MSP

TYPICAL CROSS SECTION DIAGRAMS

SHEET 20 OF 21

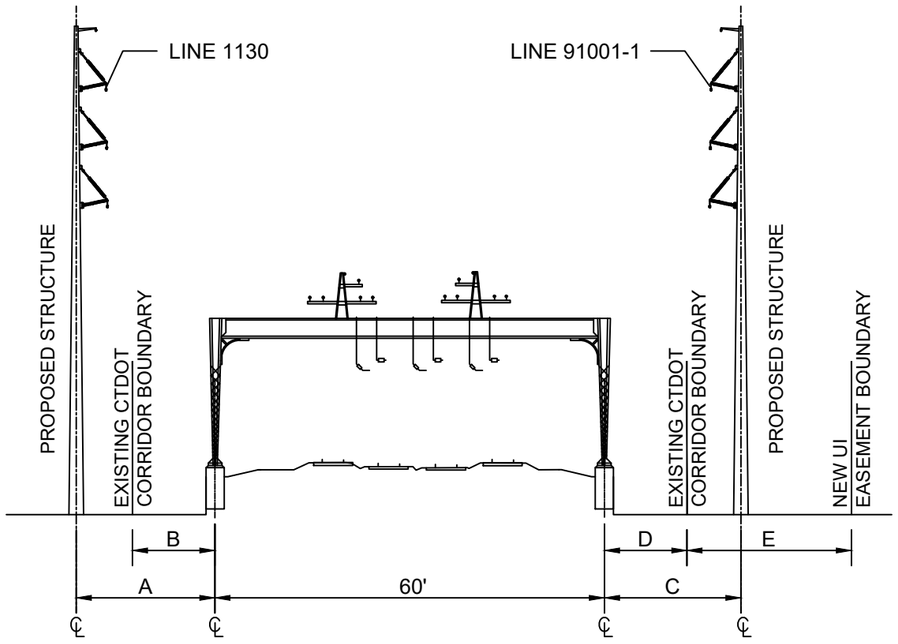
UI 115KV RAILROAD PROJECT FAIRFIELD TO CONGRESS

DR.	ASW	SCALE: NTS	FILE:
CK.	MSP	NO.	REV.
APP.	---	XS DIMENSIONS TABLE 2	0-0C
DATE:	4/15/2022		

LIST OF PROPOSED STRUCTURES BY CROSS SECTION REFERENCE

Structure	Cross Section #	Structure Height	A	B	C	D	E
P756N	15	130	57	0	-	0	-
P756S	15	140	-	0	45	0	63
P757N	15	130	135	0	-	0	-
P758N	15	125	206	0	-	0	-
P758S	15	145	-	0	48	0	66
P759N	15	125	317	0	-	0	-
P760S	15	140	-	0	45	0	63
P752N	16	125	43	0	-	0	-
P752S	16	130	-	0	37	0	55
P760N	16	130	48	0	-	0	-
P762N	16	125	47	0	-	0	-
P760S	16	140	-	0	48	0	66
P762S	16	125	-	0	50	0	68

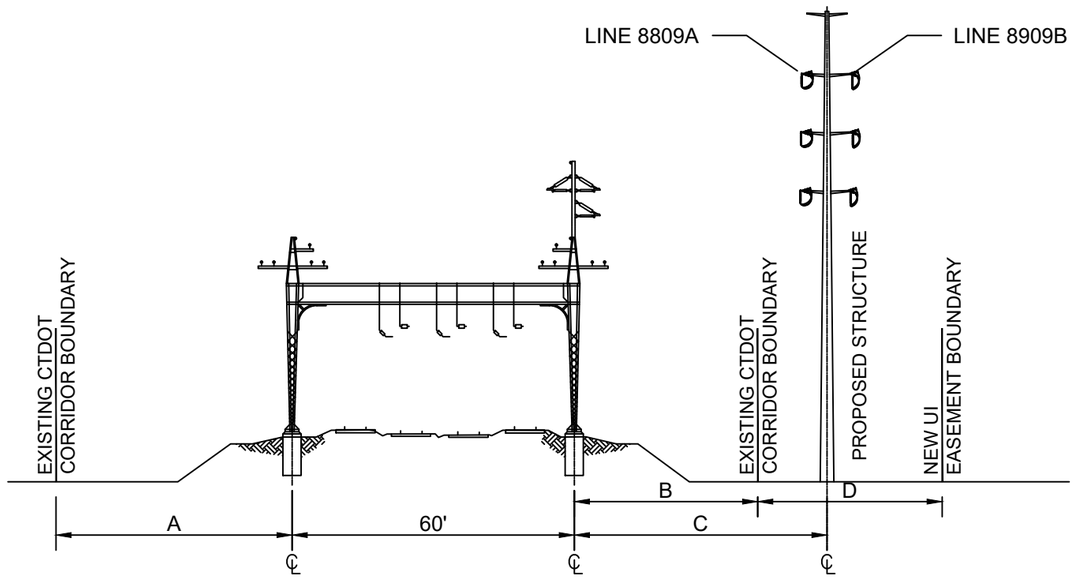
A - DISTANCE FROM CATENARY STRUCTURE TO PROPOSED POLE (NORTH SIDE)
C - DISTANCE FROM CATENARY STRUCTURE TO PROPOSED POLE (SOUTH SIDE)
B,D - THE RAILROAD CORRIDOR BOUNDARY IS AT THE EDGE OF THE CATENARY STRUCTURE
E - WIDTH OF PROPOSED EASEMENT



LOOKING TOWARDS PEQUONNOCK SUBSTATION

Structure	Cross Section #	Structure Height	A	B	C	D
P779S	17	190	23	19	40	58
P783S	17	130	22	23	30	44

A - DISTANCE FROM CATENARY STRUCTURE TO EXISTING CORRIDOR BOUNDARY (NORTH SIDE)
B - DISTANCE FROM CATENARY STRUCTURE TO PROPOSED POLE (SOUTH SIDE)
C - DISTANCE FROM CATENARY STRUCTURE TO EXISTING CORRIDOR BOUNDARY (SOUTH SIDE)
D - WIDTH OF PROPOSED EASEMENT



LOOKING TOWARDS PEQUONNOCK SUBSTATION

CADD Drawing, DO NOT REVISE MANUALLY.

ANSI B

REV.	DESCRIPTION	DATE	BY	CK	APP

OWNER ENGINEER:
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REV.	DATE	BY	DESCRIPTION	APP.
0-0C	8/19/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0B	06/24/2022	WESTWOOD	ISSUE FOR REVIEW	MSP
0-0A	4/15/2022	WESTWOOD	ISSUE FOR REVIEW	MSP

TYPICAL CROSS SECTION DIAGRAMS

SHEET 21 OF 21

UI 115KV RAILROAD PROJECT FAIRFIELD TO CONGRESS

DR.	ASW	SCALE: NTS	FILE:
CK.	MSP	NO.	REV.
APP.	---	XS DIMENSION TABLE 3	0-0C
DATE:	4/15/2022		

Attachment V2.3

1” = 400’ SCALE MAPS:

FAIRFIELD-CONGRESS RAILROAD TRANSMISSION LINE 115-kV REBUILD PROJECT

1” = 400’ SCALE MAPSHEET INDEX
FARIFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-KV REBUILD PROJECT

Mapsheet	Town / City	Proposed Structures	Proposed Removals and Modifications to Existing Structures [1, 2, 3, 4]
400 Scale Key Sheet	Fairfield, Bridgeport	N/A – Overview / Key Sheet	N/A – Overview / Key Sheet
1 of 7	Fairfield	Transmission Line Structures P648S through P661S; Re-establish Circuit 1430 connection on P648S	Remove Existing Bonnets and 115-kV Components on Catenary Structures 648S, 648AS, 648BS, 649S, 649AS, 649BS, 650S, 651S, 651AS, 651BS, 652S, 652AS, 652BS, 653S, 654S, 654AS, 654BS, 655S, 655AS 655BS, 656S, 656AS, 656BS 657S, 658S, through 661S; Remove Circuit 1430 connection on 648S
2 of 7	Fairfield	Transmission Line Structures P661S through P681S	Remove Existing Bonnets and 115-kV Components on Catenary Structures 661S through 665S, 665AS, 665BS, 667S through 680S, 680AS, 681S, 682S; Reconductor Existing Transmission Structures TP667ES and TP668S with 115-kV Transmission Line and Components
3 of 7	Fairfield	Transmission Line Structures P681S through P703S	Remove Existing Bonnets and 115-kV Components on Catenary Structures 682S through 687S, 687AS, 688S through 697S, 697AS, 698S through 703S;
4 of 7	Fairfield	Transmission Line Structures P703S through P723S; Ash Creek Substation Interconnection Replacement	Remove Existing Bonnets and 115-kV Components on Catenary Structures 703S, 703AS, 704S through 706S, 706AS, 707S through 710S, 710AS, 711S, 711AS, 712S through 720S, 720AS, 721S, 721AS, 722S, 723S; Remove 115-kV Components and Lattice Towers AC1, AC2 and AC3 leading to the Ash Creek Substation; Reconductor Existing Transmission Structures TP717S and TP718S with 115-kV Transmission Line and Components
5 of 7	Fairfield, Bridgeport	Transmission Line Structures P723S through P737S, P736NN through P742N	Remove Existing Bonnets and 115-kV Components on Catenary Structures 723S through 733S, 736S, 736AS, 737N/737S, 738N, 738AS, 738BN, 739N/739S through 742N/742S; Remove 115-kV Components and Top Portion of Pole 736N; Reconductor Existing Transmission Structure TP734S, TP735S and TP735N with 115-kV Transmission Line and Components
6 of 7	Bridgeport	Transmission Line Structures P742N through P760N/P760S; OPGW Installation on Existing Transmission Structures R1 through R5 to Resco Substation	Remove Existing Bonnets and 115-kV Components on Catenary Structures 742N/742S through 752N/752S, 753N, 756S, 757N/757S through 760N/760S; Install Remove Shield Wire Existing Transmission Structure R1 through R5 to Resco Substation, TP753S, TP754N, TP755S, and TP756N with 115-kV Transmission Line and Components
7 of 7	Bridgeport	Transmission Line Structures P760N/P760S through P783N; Temporary Transmission Line Structure TMP774N: Congress Substation Interconnection Replacement	Remove Existing Bonnets and 115-kV Components on Catenary Structures 760N/760S through 765N/765S, 765AN/765AS, 765BN/765BS, 777N/777S, 777AN/777AS, 778N/778S, 778AN/778AS, 779N/779S, 779AN/779AS, 780N/708S through 783N/783S; Remove 115-kV Components and Poles 775N, 775AS; Remove 115-kV Components and Lattice Tower North Tower above the MNR railroad tracks; Removals are subject to change based on coordination with the New Pequonnock Substation Project (Separate UI Project, refer to CSC Docket No. 283) Reconductor Existing Transmission Structures TP784N at Congress Substation with 115-kV Transmission Line and Components

Historic places in the following text will be abbreviated as such: National Register of Historic Places - NRHP, State Register of Historic Places - SRHP, Local Historic District - LHD. See Phase 1A Report in Appendix D of the MCF Filing for details on Cultural Resources.

[1] Typically, removal of the existing bonnets, hardware, conductors, and shield wire will be completed where proposed work indicates “Remove Existing Bonnets and Existing 115-kV Components”. Existing bonnets on catenary structures will remain in place where proposed work is specified as “Remove 115-kV Components”. Typically, shield wire for MNR facilities will be re-established on existing catenary structures to maintain shield wire protection and clearances to MNR signal wires. Refer to Volume 2, Attachment V2.5, Plan and Profile Drawings, for installation requirements and details.

[2] Wetlands and watercourses shown on the aerial-based mapping were field delineated within the Project area, including the CT DOT corridor and adjacent areas. These resources may extend further beyond the proposed Project limits. Publicly available Geographic Information System (GIS) datasets were utilized to depict resources outside of the proposed Project area as shown in Attachments V2.3 and V2.4.

[3] The initial structure spotting (original engineering design basis) commenced with the assumption that new double and/or single-circuit monopoles would be offset from each existing catenary structure. The poles were assigned numbers (e.g., P692S) that corresponded to the nearest catenary structure. As work on the Project design proceeded, proposed poles were shifted or eliminated to account for site-specific constraints (e.g., longer than originally planned span lengths to avoid or minimize poles in sidewalks). As a result, 31 of the originally planned monopoles have been eliminated. Because the poles were not re-numbered after these design changes, there are certain gaps in the structure numbers identified on the Volume 2 maps. The numbers of the structures that were eliminated from the Project design are: 653, 658, 660, 662, 670, 672, 674, 680, 683, 687, 694, 697, 702, 705, 707, 716, 722, 729, – all in Fairfield; and 731, 732, 741, 747, 761, 763, 764, 776, 777, 778, 780, 781, 782 – all in Bridgeport.

[4] “Reconductor with 115-kV Transmission Line and Components” typically means removal of existing 115-kV conductor cables, insulators, and hardware from an existing structure and replacement with new 115-kV conductors, insulators, and hardware installed on the existing structure in accordance with project requirements.

Westport

Fairfield

Bridgeport

Stratford

Congress Street Substation

New Pequonnock Substation (Separate U.I. Project) Docket No. 483

Pequonnock Substation (Old)

Resco Substation

Ash Creek Substation

Connection Point between UI and Eversource (P648S)

1

2

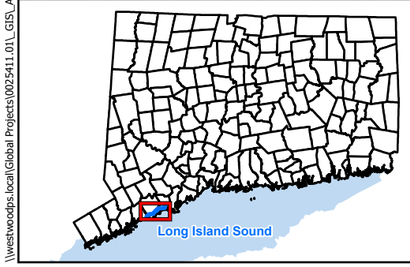
3

4

5

6

7



Map Legend

- Map Sheet
- Substation
- Proposed Centerline of Rebuilt 115-kV Line
- Proposed Centerline of Fiber Optic
- Municipal Boundary

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

Coordinate System:
NAD 1983 (2011) State Plane Connecticut FIPS 0600 (US Feet)
Linear Units: Foot US

Revised: 8/17/2022

N

0 3,000 Feet

1" = 3,000'

UI AVANGRID

Westwood

400 Scale Key Sheet

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MAPSHEET 1 of 7 – Fairfield to Congress Railroad Transmission Line 115-kV Rebuild Project
Proposed Route, CT DOT Railroad Corridor – east of Sasco Creek to CT DOT Railroad Corridor - west of Old Post Rd
Town of Fairfield, Fairfield County, CT

AREA DESCRIPTION

Existing Land Use

- Residential
- Commercial
- Industrial/Business
- Recreational / Open Space
  - Southport Beach, 1505 Pequot Ave, Southport
  - Sasco Creek Beach, 138 Beachside Ave, Westport
  - Sasqua Wildflower Preserve – Aspetuck Land Trust, 297 Westway Rd, Southport
  - H. Smith Richardson Wildlife Preserve, 39 Sasco Creek Rd, Westport
  - Kings Highway West Open Space- Sasco Creek Marsh, 999 Kings Highway W, Southport
  - Perry's Green, 703 Harbor Rd, Southport
  - Southgate Lane Open Space, 139 S Gate Lane, Southport
  - Westway Road Open Space - Sasco Creek Marsh, 593 Westway Rd, Southport

Zoning[1]

- Town of Fairfield
  - Residence R-3 District (R-3)
  - Residence A District (A)
  - Residence B District (B)
  - Designed Residence District (DRD)
  - Neighborhood Designed Business District (NDD)
  - Designed Commercial District (DCD)
  - Residence C District (C)
  - Designed Industrial District (DI)

Natural Systems

- State/Federal Jurisdictional Wetlands and Watercourses
- FEMA 100-Year and 500-Year Flood Zones
- CT DEEP Inland Wetland Soils
- CT DEEP Tidal Wetland Soils
- CT NDDB Area
- CT DEEP Coastal Management Area
- Sasco Creek

Visual Character

- CT DOT Railroad Corridor (Metro North Railroad)
- Urban-suburban environments with lawns and landscaping, low profile commercial buildings, and parking areas.
- Tidal floodplain, deciduous woodlands, and waterway environments

Community Facilities

- Southport Train Station, 96 Station Street & 400 Center Street, Southport
- Wakeman Boys & Girls Club Summer Camp, 385 Center St, Southport
- Southport Cong Preschool-Toddler Program, 524 Pequot Ave, Southport
- Trinity Parish Nursery School, 651 Pequot Ave, Southport
- The Southport School, 214 Main St, Southport

Historic and Cultural Resources

- Southport Railroad Stations (North and South), 96 Station Street and 400 Center Street, Southport - NRHP
- Southport Historic District, Southport – NRHD/SRHD/LHD

CT DOT PROPERTY: RAILROAD CORRIDOR DESCRIPTION AND PROPOSED UI FACILITIES

CT DOT Property

- Total Corridor Width: Varies, 86 - 304 feet
- Number of Railroad Tracks (Metro North Railroad) = 4
- Distance from center of existing southern catenary structure to southern CT DOT Corridor boundary = Varies, 4 – 40 feet
- Southport Train Station

UI 115-kV Transmission Lines and Proposed Project Activities

- 1430 line on south side of CT DOT Corridor: Remove Existing Bonnets and 115-kV Components on Catenary Structures 648S, 648AS, 648BS, 649S, 649AS, 649BS, 650S, 651S, 651AS, 651BS, 652S, 652AS, 652BS, 653S, 654S, 654AS, 654BS, 655S, 655AS 655BS, 656S, 656AS, 657S, 658S, through 661S
- 1430 line on south side of CT DOT Corridor: Rebuild 115-kV Transmission Line on single circuit monopoles
  - Construct Transmission Line Structures P648S through P661S
- 1130 Line along north side of CT DOT Corridor to remain

Proposed UI Easement Boundary Outside of CT DOT Corridor Boundary

- North Side: 0 feet
- South Side: 0 feet, except for: P654S to P659S - 15 to 42 feet, and P661S – 14 feet

Wetlands, Watercourses and Waterbodies

- Tidal Watercourse Sasco Creek – E1UBL
- Tidal Wetland TW-A – E2EMP5d
- Wetland W-B – PEM
- Watercourse WC-2 – R5UBh1

Railroad Corridor Vegetation

- None on CT DOT railroad corridor within existing catenary structures and rail clear zones (managed and maintained by CT DOT).
- Stands of mixed deciduous/evergreen trees and shrubs within CT DOT corridor boundary outside of CT DOT maintained limits.
- Wetland/watercourse cover types noted above.

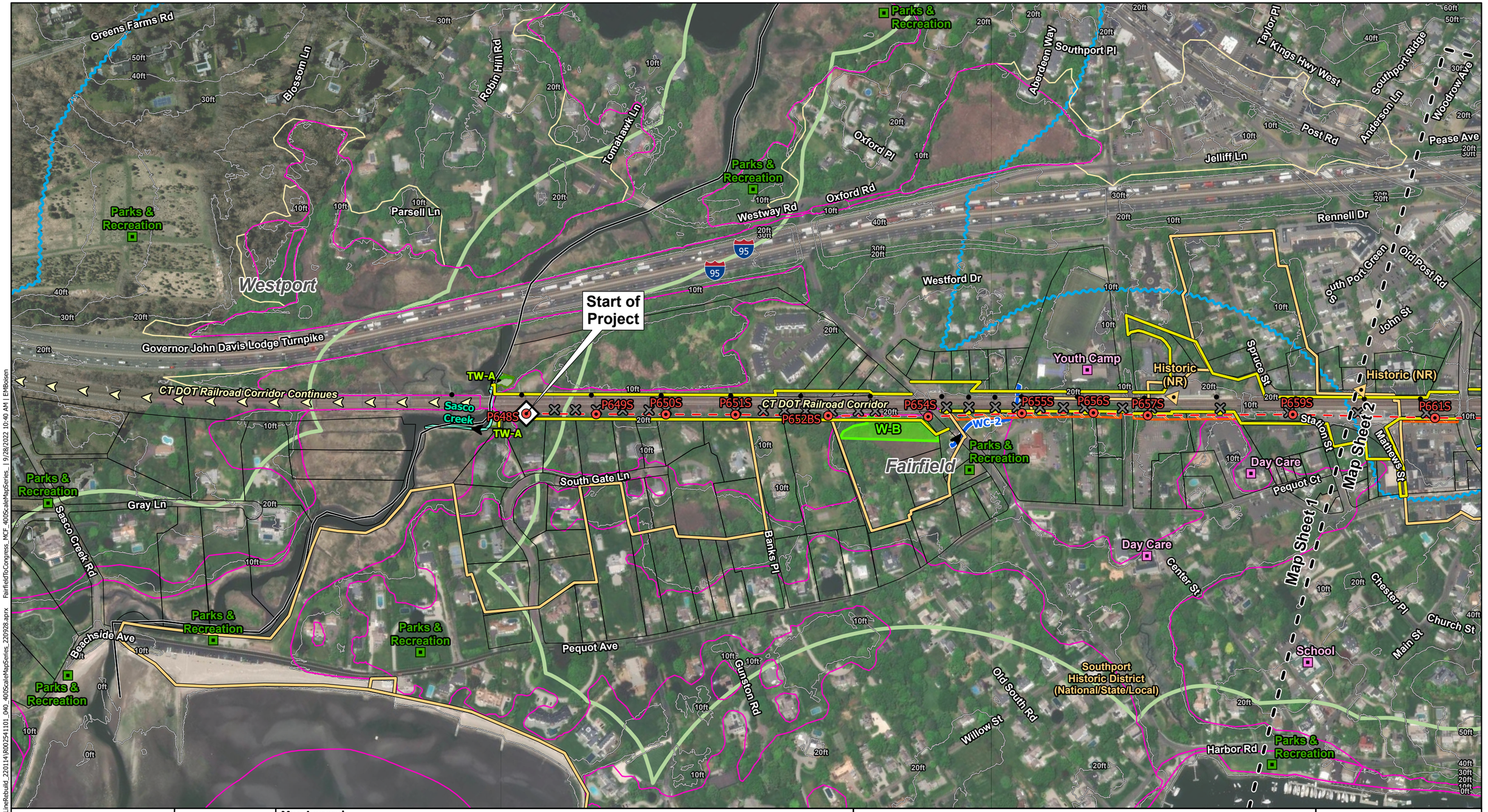
Terrain

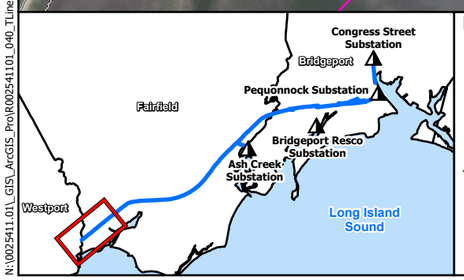
- Flat railroad corridor area with variably steep, ballasted embankment slopes bordered by generally flat terrain
- Existing elevated railroad corridor bridge over Westway Road, Center Street and Station Street

Road Crossings / Major Utility Crossings[2]

- Westway Road, Center Street, Station Street

[1] Zoning Designations along the Proposed Route are included on the UI 115-kV Railroad Project 100-scale maps, also see Attachment V2.1 Overview Maps and Legends for Zoning District Key
[2] UI would coordinate with other underground and overhead utility companies, municipalities, CT DOT and Metro North Railroad regarding the location of utility and transportation facilities





Map Legend

- Proposed Single Circuit Transmission Line Structure
- Start of Project Location
- Existing Bonnet To Be Removed
- Proposed Centerline of Rebuilt 115-kV Line
- Existing CTDOT Corridor Boundary
- Proposed UI Permanent Easement
- Existing Transmission Structure to Remain
- National or State Historic Resource Area
- Community Facility
- Open Space Recreation Area
- Historic (NR) Resource
- Parcel Boundary
- Municipal Boundary
- FEMA 100-Year Floodplain
- FEMA 500-Year Floodplain
- 10ft Contour
- Field Delineated Wetland
- Delineated Watercourse
- Delineated Tidal Wetland
- Delineated Tidal Watercourse
- CT DEEP Coastal Area
- Natural Diversity Database Area (NDDB)

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

Coordinate System:
NAD 1983 (2011) State Plane Connecticut FIPS 0600 (US Feet)
Linear Units: Foot US

Revised: 9/28/2022

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1" = 400'

UI AVANGRID

Westwood

SHEET 1 OF 7

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MAPSHEET 2 of 7 – **Fairfield to Congress Railroad Transmission Line 115-kV Rebuild Project**
Proposed Route, CT DOT Railroad Corridor – east of Old Post Road to CT DOT Railroad Corridor – Post Road, west of Mill Plain Road
Town of Fairfield, Fairfield County, CT

AREA DESCRIPTION

Existing Land Use

- Residential
- Commercial
- Industrial/Business
- Recreational / Open Space
  - Southport Park, Old Post Rd, Southport
  - Palmers Neck Park, 2566 Post Rd, Southport
  - Mill Plain Green, 110 Sturges Rd, Fairfield
  - Perry's Green, 703 Harbor Rd, Southport
  - Southport Village Park, 263 Pequot Ave, Southport

Zoning[1]

- Town of Fairfield
  - Residence C District (C)
  - Residence A District (A)
  - Designed Commercial District (DCD)
  - Designed Industrial District (DI)
  - Center Designed Business District (CDD)

Natural Systems

- State/Federal Jurisdictional Wetlands and Watercourses
- FEMA 100-Year and 500-Year Flood Zones
- CT DEEP Inland Wetland Soils
- CT DEEP Tidal Wetland Soils
- CT NDDB Area
- CT DEEP Coastal Management Area
- Mill River

Visual Character

- CT DOT Railroad Corridor (Metro North Railroad)
- Urban-suburban environments with lawns and landscaping, low profile commercial/industrial buildings, and parking areas
- Deciduous woodlands and waterway environments

Community Facilities

- Southport Railroad Stations (South), 400 Center Street, Southport
- Cajal Academy, 303 Linwood Ave
- Get Schooled Academy, 63 Tide Mill Terrace
- Saint Anthony of Padua Parish School, 149 South Pine Creek Rd
- The Southport School, 214 Main St
- Sportsplex Camp, 85 Mill Plain Rd

Historic and Cultural Resources

- Southport Railroad Stations (South), 400 Center Street, Southport - NRHP
- Jonathan Sturges House, 449 Mill Plain Rd – NRHP
- Archaeological Resource, Pequot Swamp Battlefield (destroyed), Westford Dr area
- Southport Historic District – NRHD/SRHD/LHD
- Northrup Cottage, 170 Pequot Ave – SRHP

CT DOT PROPERTY: RAILROAD CORRIDOR DESCRIPTION AND PROPOSED UI FACILITIES

CT DOT Property

- Total Corridor Width: Varies, 71-260 feet
- Number of Railroad Tracks (Metro North Railroad) = 4
- Distance from center of existing southern catenary structure to southern CT DOT Corridor boundary = Varies, 5 - 128 feet

Proposed UI 115-kV Transmission Lines and Proposed Project Activities

- 1430 line on south side of CT DOT Corridor: Remove Existing Bonnets and 115-kV Components on Catenary Structures 661S through 665S, 665AS, 665BS, 667S through 680S, 680AS, 681S, 682S
- 1430 line on south side of CT DOT Corridor: Rebuild 115-kV Transmission Line on single circuit monopoles to the south of the railroad tracks
  - Construct Transmission Line Structures P661S through P681S
  - Reconductor[2] 115-kV Components on existing Transmission Line Structures TP667ES and TP668S
- 1130 Line along north side of CT DOT Corridor to remain

Proposed UI Easement Boundary Outside of CT DOT Corridor Boundary

- North Side: 0 feet
- South Side: 0 feet, except for: P663S to P682S - 0 to 40 feet

Wetlands, Watercourses and Waterbodies

- Mill River – R2UBH
- Wetlands W-C and W-D – PEM
- Watercourse WC-3 – R5UBh1
- Watercourse WC-4 – R6
- Watercourse WC-5 – R4SBC1

Railroad Corridor Vegetation

- None on CT DOT railroad corridor within existing catenary structures and rail clear zones (managed and maintained by CT DOT)
- Stands of mixed deciduous/evergreen trees and shrubs within CT DOT corridor boundary outside of CT DOT maintained limits
- Wetland/watercourse cover types noted above

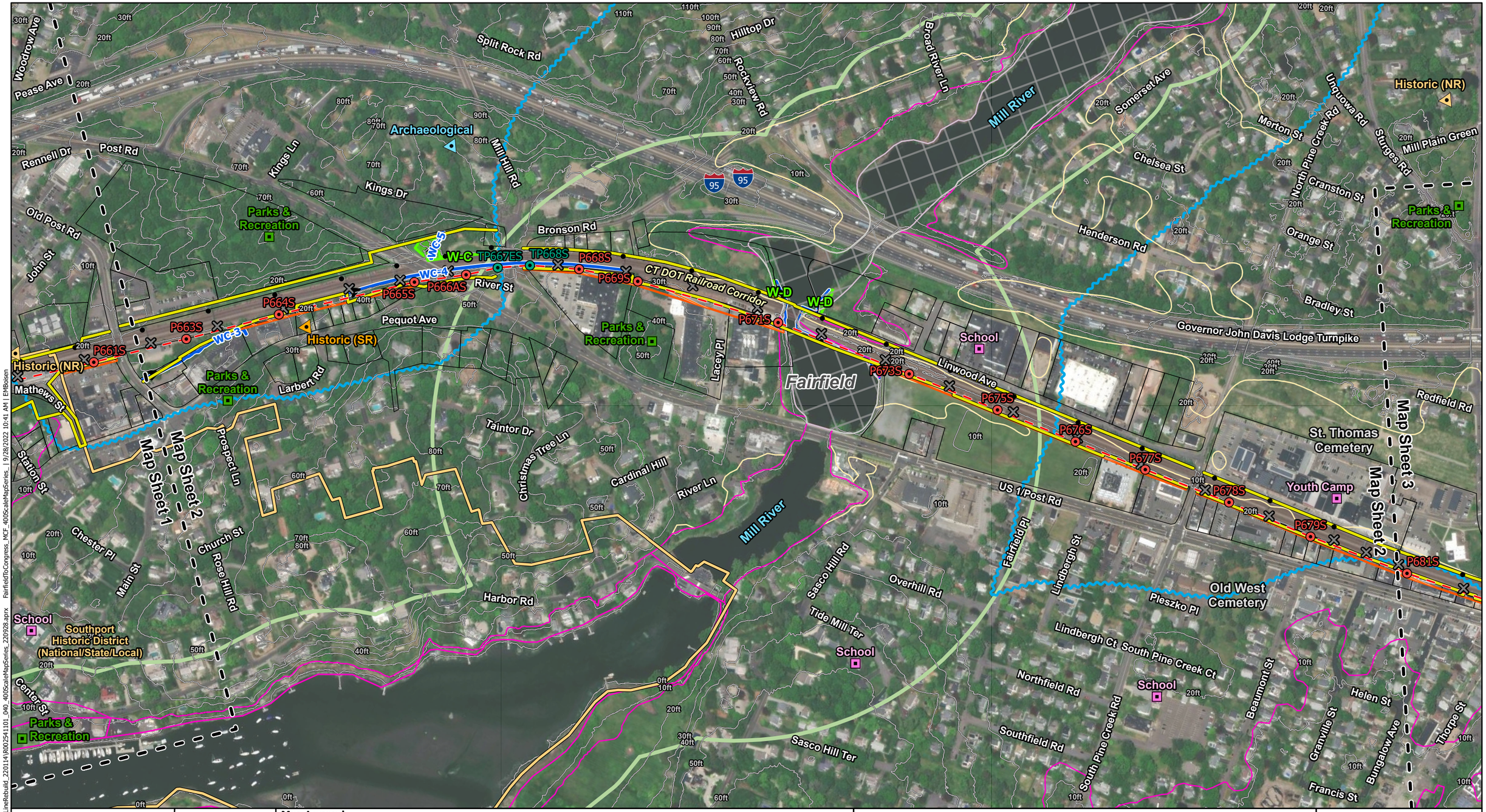
Terrain

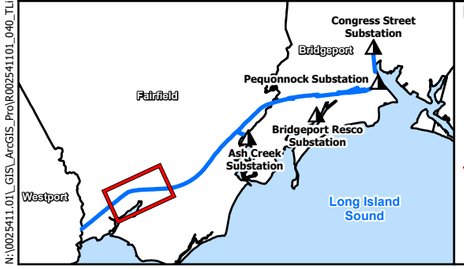
- Flat railroad corridor area with variably steep, ballasted embankment slopes bordered by generally flat terrain
- Existing elevated railroad corridor bridge over Old Post Road, Mill River, and North Pine Creek Road

Road Crossings / Major Utility Crossings[3]

- Old Post Road, US Highway 1, Mill Hill Road, North Pine Creek Road

[1] Zoning Designations along the Proposed Route are included on the UI 115-kV Railroad Project 100-scale maps, also see Attachment V2.1 Overview Maps and Legends for Zoning District Key
[2] "Reconductor 115-kV Components" typically means removal of existing 115-kV conductor cables, insulators, and hardware from the existing structure and replacement with new 115-kV conductors, insulators, and hardware installed on the existing structure in accordance with project requirements.
[3] UI would coordinate with other underground and overhead utility companies, municipalities, CT DOT and Metro North Railroad regarding the location of utility and transportation facilities





Map Legend

- Proposed Single Circuit Transmission Line Structure
- Existing Structure to be Reconductored
- Existing Bonnet To Be Removed
- Proposed Centerline of Rebuilt 115-kV Line
- Existing CTDOT Corridor Boundary
- Proposed UI Permanent Easement
- Existing Transmission Structure to Remain
- National or State Historic Resource Area
- Community Facility
- Open Space Recreation Area
- Historic (NR) Resource
- Historic (SR) Resource
- Archaeological Location
- Parcel Boundary
- FEMA Floodway
- FEMA 100-Year Floodplain
- FEMA 500-Year Floodplain
- 10ft Contour
- Field Delineated Wetland
- Delineated Watercourse
- CT DEEP Coastal Area
- Natural Diversity Database Area (NDDB)

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

Coordinate System:
NAD 1983 (2011) State Plane Connecticut FIPS 0600 (US Feet)
Linear Units: Foot US

Revised: 9/28/2022

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1" = 400'

UI AVANGRID

Westwood

SHEET 2 OF 7

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<u>MAPSHEET 3 of 7</u> – Fairfield to Congress Railroad Transmission Line 115-kV Rebuild Project
Proposed Route, CT DOT Railroad Corridor – Post Road, west of Mill Plain Road to CT DOT Railroad Corridor – Eliot Street, west of US Highway 1
Town of Fairfield, Fairfield County, CT

AREA DESCRIPTION

Existing Land Use

- Commercial
- Industrial/Business
  - Fairfield Central Business District
- Recreational / Open Space
  - Ludlowe Road Community Park, 91 Ludlowe Rd, Fairfield
  - Sherman Town Green (Fairfield Town Gazebo), 1451 Post Rd, Fairfield
  - Jennings Garden and Jennings Park, 900 Post Rd, Fairfield
  - CT Audobon Birdcraft Museum, 314 Unquowa Rd, Fairfield
  - Bill Burr 4-H Park, 1 Timothy St, Fairfield
  - Mill Plain Green, 110 Sturges Rd, Fairfield
  - Sergeant Murphy Memorial Playground, 140 Reef Rd, Fairfield
  - Sunnieholm Park, 77 Sunnieholm Dr, Fairfield
  - Rugby Park and Welch Terrace Marsh Open Space, near 6 Rugby Rd, Fairfield

Zoning[1]

- Town of Fairfield
  - Designed Industrial District (DI)
  - Center Designed Business District (CDD)
  - Residence A District (A)
  - Designed Commercial District (DCD)

Natural Systems

- State/Federal Jurisdictional Wetlands and Watercourses
- FEMA 100-Year and 500-Year Flood Zones
- CT DEEP Inland Wetland Soils / CT DEEP Tidal Wetland Soils
- CT NDDB Area
- CT DEEP Coastal Management Area

Visual Character

- CT DOT Railroad Corridor (Metro North Railroad)
- Urban-suburban environments, low profile commercial/industrial buildings, roadways, and parking areas

Community Facilities

- St Paul's Nursery School- Fairfield, 661 Old Post Road
- Fairfield Train Station, 165 Unquowa Road & 333 Carter Henry Drive, Fairfield
- Broadhurst Manor, 1038 Old Post Road
- Great Beginnings Montessori School, 148 Beach Rd
- Roger Ludlowe Middle School, 689 Unquowa Road
- St. Thomas Aquinas Catholic School, 1719 Post Rd
- Tomlinson Middle School, 200 Unquowa Road

Historic and Cultural Resources

- Fairfield Historic District – NRHD
- Fairfield Railroad Station (North and South), 165 Unquowa Road and 916 Carter Henry Drive – NRHP
- Powder House, 230 Unquowa Road – SRHP

CT DOT PROPERTY: RAILROAD CORRIDOR DESCRIPTION AND PROPOSED UI FACILITIES

CT DOT Corridor Property

- Total Corridor Width: Varies, 71 - 312 feet
- Number of Railroad Tracks (Metro North Railroad) = 4
- Distance from center of existing southern catenary structure to southern CT DOT Corridor boundary = Varies, 17 – 82 feet

Proposed UI 115-kV Transmission Lines and Proposed Project Activities

- 1430 line on south side of CT DOT Corridor: Remove Existing Bonnets and 115-kV Components on Catenary Structures 682S through 687S, 687AS, 688S through 697S, 697AS, 698S through 703S
- 1430 line on south side of CT DOT Corridor: Rebuild 115-kV Transmission Line on single circuit monopoles to the south of the railroad tracks
  - Construct Transmission Line Structures P681S through P703S
- 1130 Line along north side of CT DOT Corridor to remain

Proposed UI Easement Boundary Outside of CT DOT Corridor Boundary

- North Side: 0 feet
- South Side: 0 feet, except for: P689S to P703S - 6 to 41 feet

Wetlands, Watercourses and Waterbodies

- Wetland W-E – PEM/PFO
- Wetland W-F - PEM

Railroad Corridor Vegetation

- None on CT DOT railroad corridor within existing catenary structures and rail clear zones (managed and maintained by CT DOT)
- Stands of mixed deciduous/evergreen trees and shrubs within CT DOT corridor boundary outside of CT DOT maintained limits
- Wetland/watercourse cover types noted above

Terrain

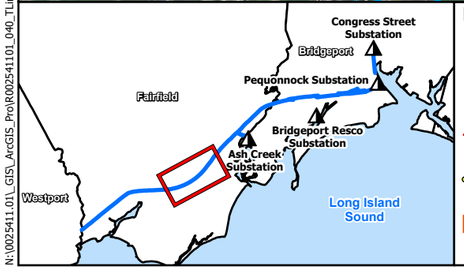
- Flat railroad corridor area with variably steep, ballasted embankment slopes bordered by flat to hilly terrain
- Existing elevated railroad corridor bridge over Mill Plain Road, Round Hill Road, and Benson Road

Road Crossings / Major Utility Crossings[2]

- Mill Plain Road, Unquowa Road, Round Hill Road, Benson Road

[1] Zoning Designations along the Proposed Route are included on the UI 115-kV Railroad Project 100-scale maps, also see Attachment V2.1 Overview Maps and Legends for Zoning District Key

[2] UI would coordinate with other underground and overhead utility companies, municipalities, CT DOT and Metro North Railroad regarding the location of utility and transportation facilities



Map Legend

- Proposed Single Circuit Transmission Line Structure
- Existing Bonnet To Be Removed
- Proposed Centerline of Rebuilt 115-kV Line
- Existing CTDOT Corridor Boundary
- Proposed UI Permanent Easement
- Existing Transmission Structure to Remain
- National or State Historic Resource Area
- Community Facility
- Open Space Recreation Area
- Train Station
- Historic (NR) Resource
- Historic (SR) Resource
- Parcel Boundary
- FEMA Floodway
- FEMA 100-Year Floodplain
- FEMA 500-Year Floodplain
- 10ft Contour
- Field Delineated Wetland
- Delineated Watercourse
- CT DEEP Coastal Area

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

Coordinate System:
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UI AVANGRID

Westwood

SHEET 3 OF 7

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MAPSHEET 4 of 7 – **Fairfield to Congress Railroad Transmission Line 115-kV Rebuild Project**
Proposed Route, CT DOT Railroad Corridor - Eliot Street, west of US Highway 1 to CT DOT Railroad Corridor – Black Rock Turnpike And UI ROW – CT DOT Railroad Corridor to Ash Creek Substation
Town of Fairfield and City of Bridgeport, Fairfield County, CT

AREA DESCRIPTION

Existing Land Use

- Commercial
- Industrial/Business
  - UI Ash Creek Substation, 66 Poland St, Bridgeport
- Recreational / Open Space
  - Creek Riverside Open Space, 111 Riverside Dr, Fairfield
  - Fairfield Metro Conservation Area, Ash Creek Blvd, Fairfield
  - Grasmere Open Space, 198 Home St, Fairfield
  - Harold R Woods Wetland Open Space-Turkey Creek Marsh, 110 Shoreham Terrace, Fairfield

Zoning[1]

- Town of Fairfield
  - Designed Industrial District (DI)
  - Residence A District (A) and Residence B District (B)
  - Designed Commercial District (DCD)
  - Commerce Drive Area Designed District (CDADD)
- City of Bridgeport
  - Residential-Office Center (RX2)
  - Neighborhood Mix 3 (NX3)
  - Utility-Energy Infrastructure (P4)

Natural Systems

- State/Federal Jurisdictional Wetlands and Watercourses
- FEMA 100-Year and 500-Year Flood Zones
- CT DEEP Inland Wetland Soils / CT DEEP Tidal Wetland Soils
- CT NDDB Area / CT DEEP Critical Habitat
- CT DEEP Coastal Management Area
- Ash Creek

Visual Character

- CT DOT Railroad Corridor (Metro North Railroad)
- Lattice towers and UI overhead lines to the Ash Creek Substation
- Urban-suburban environments, low profile commercial/industrial buildings, roadways, and parking areas
- Tidal floodplain and riparian areas along Ash Creek, deciduous woodlands, and waterway environments

Community Facilities

- Bright Beginnings Early Childhood Program, 356 Black Rock Turnpike, Fairfield
- Bright Horizons at Fairfield, 682 Commerce Dr, Fairfield
- Pumpkin Preschool, 449 Grasmere Avenue, Fairfield
- The Learning Experience – Fairfield, 1375 Kings Highway, Fairfield
- Fairfield Metro Train Station, 61 Constant Comment Way, Fairfield
- Cora Wright Early Learning Center, 233 Bennett St, Bridgeport
- Fusion Academy Fairfield, 777 Commerce Dr, Fairfield

Historic and Cultural Resources

- Fairfield Historic District - NRHD

CT DOT CORRIDOR TO ASH CREEK SUBSTATION DESCRIPTION AND PROPOSED UI FACILITIES

Existing UI ROW

- Total UI ROW Width: Varies, 40 - 192 feet

Proposed UI 115-kV Transmission Lines and Proposed Project Activities

- 1430 and 91001-2 lines in UI ROW: Remove 115-kV Components and Lattice Towers AC1, AC2 and AC3 leading to the Ash Creek Substation
- 1430 line on east side of UI ROW to Ash Creek Substation: Rebuild 115-kV Transmission Line on single circuit monopoles
  - Construct Transmission Line Structures P713ES, P713ES-1, P713ES-2
- 91001-2 line on west side of UI ROW to Ash Creek Substation: Rebuild 115-kV Transmission Line on single circuit monopoles
  - Construct Transmission Line Structures P714WS, P714WS-1, P714WS-2, P714WS-3
- Rebuild of existing 115-kV transmission interconnection at Ash Creek Substation

Proposed Additional UI Easement

- West Side: 0 feet (Kenard St ROW) / East Side: 0 to 42 feet

UI ROW Vegetation, Wetlands, and Waterbodies

- Freshwater and tidal marshes, tidal mud flats, and low deciduous trees and shrubs
- Wetland W-H – PEM/PSS
- Tidal Wetland TW-I – E1UBL
- Tidal Watercourses TWC-11, TWC-12 – R5UBh1
- Tidal Watercourse Ash Creek – E1UBL

Terrain

- Flat marsh areas with walking trails in conservation area
- Riverbanks and riparian areas along Ash Creek and an island within the creek

CT DOT PROPERTY: RAILROAD CORRIDOR DESCRIPTION AND PROPOSED UI FACILITIES

CT DOT Corridor Property

- Total Corridor Width: Varies, 99 - 189 feet
- Number of Railroad Tracks (Metro North Railroad) = 4
- Distance from center of existing southern catenary structure to southern CT DOT Corridor boundary = Varies, 19 - 70 feet

CT DOT PROPERTY: RAILROAD CORRIDOR DESCRIPTION AND PROPOSED UI FACILITIES (continued)

Proposed UI 115-kV Transmission Lines and Proposed Project Activities

- 1430 line on south side of CT DOT Corridor: Remove Existing Bonnets and 115-kV Components on Catenary Structures 703S, 703AS, 704S through 706S, 706AS, 707S through 710S, 710AS, 711S, 711AS, 712S, 713S
- 91001-2 line on south side of CT DOT Corridor: Remove Existing Bonnets and 115-kV Components on Catenary Structures 714S through 720S, 720AS, 721S, 721AS, 722S, 723S
- 1430 line on south side of CT DOT Corridor: Rebuild 115-kV Transmission Line on single circuit monopoles to the south of the railroad tracks
  - Construct Transmission Line Structures P703S through P713S
- 91001-2 line on south side of CT DOT Corridor: Rebuild 115-kV Transmission Line on single circuit monopoles to the south of the railroad tracks
  - Construct Transmission Line Structures P716S through P723S
  - Reconductor[2] 115-kV Components on existing Transmission Line Structures TP717S and TP718S
- 1130 Line along north side of CT DOT Corridor to remain

Proposed UI Easement Boundary Outside of CT DOT Corridor Boundary

- North Side: 0 feet / South Side: 0 feet, except for: P707S to P723S - 0 to 35 feet

Wetlands, Watercourses and Waterbodies

- Wetland W-G – PEM
- Wetland W-H – PEM/PSS
- Watercourses WC-7, WC-8, WC-9, WC-10 – R5UBh1

CT DOT Railroad Corridor Vegetation

- None on CT DOT railroad corridor within existing catenary structures and rail clear zones (managed and maintained by CT DOT)
- Stands of mixed deciduous/evergreen trees and shrubs within CT DOT corridor boundary outside of CT DOT maintained limits
- Wetland/watercourse cover types noted above
- Tidal marsh grass and vegetation associated with Ash Creek floodplain

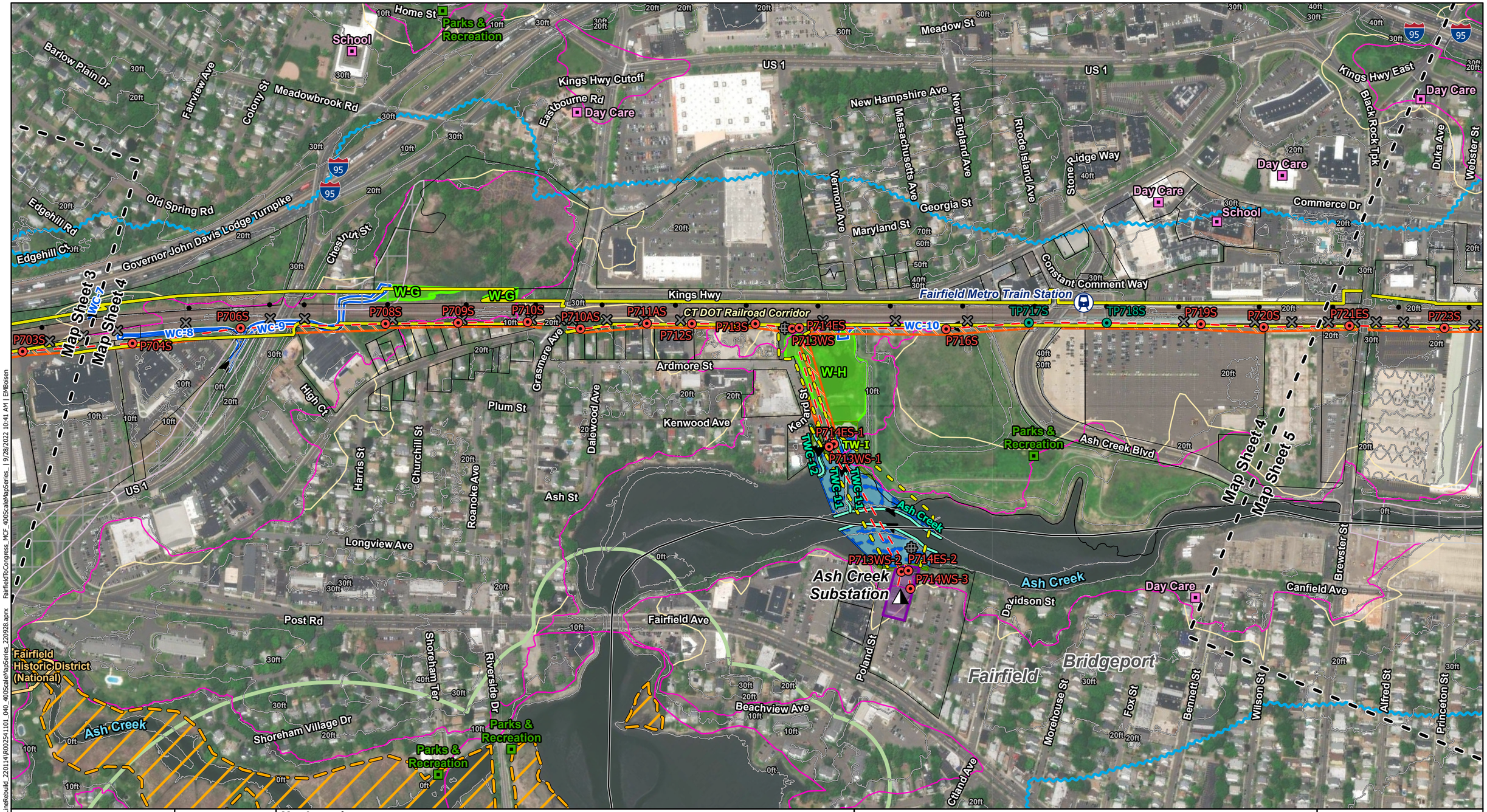
Terrain

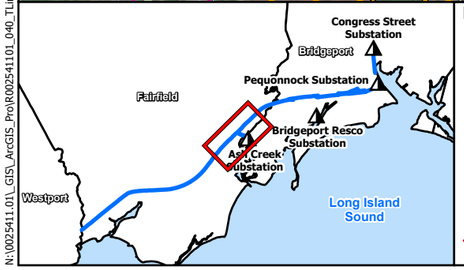
- Flat railroad corridor area with variably steep, ballasted embankment slopes bordered by flat to hilly terrain
- Railroad corridor passes under existing elevated roadway overpass at US Highway 1, Grasmere Avenue, Ash Creek Boulevard, and Black Rock Turnpike

Road Crossings / Major Utility Crossings[3]

- US Highway 1, Grasmere Avenue, Ash Creek Blvd, Black Rock Turnpike

[1] Zoning Designations along the Proposed Route are included on the UI 115-kV Railroad Project 100-scale maps, also see Attachment V2.1 Overview Maps and Legends for Zoning District Key
[2] "Reconductor 115-kV Components" typically means removal of existing 115-kV conductor cables, insulators, and hardware from the existing structure and replacement with new 115-kV conductors, insulators, and hardware installed on the existing structure in accordance with project requirements.
[3] UI would coordinate with other underground and overhead utility companies, municipalities, CT DOT and Metro North Railroad regarding the location of utility and transportation facilities





Map Legend

- Proposed Single Circuit Transmission Line Structure
- Existing Structure to be Reconductored
- Substation
- Existing UI Lattice Tower To Be Removed
- Existing Bonnet To Be Removed
- Proposed Centerline of Rebuilt 115-kV Line
- Existing CTDOT Corridor Boundary
- Existing UI Easement (Estimated)
- Proposed UI Permanent Easement
- Existing Transmission Structure to Remain
- National or State Historic Resource Area
- Community Facility
- Open Space Recreation Area
- Train Station
- UI-Owned Property
- Parcel Boundary
- Municipal Boundary
- CT DEEP Critical Habitat
- FEMA Floodway
- FEMA 100-Year Floodplain
- FEMA 500-Year Floodplain
- 10ft Contour
- Field Delineated Wetland
- Delineated Watercourse
- Delineated Tidal Wetland
- Delineated Tidal Watercourse
- CT DEEP Coastal Area
- Natural Diversity Database Area (NDDB)
- Intertidal Flats

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

Coordinate System:
NAD 1983 (2011) State Plane Connecticut FIPS 0600 (US Feet)
Linear Units: Foot US

Revised: 9/28/2022

0 200 400 Feet

1" = 400'

UI AVANGRID

Westwood

SHEET 4 OF 7

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MAPSHEET 5 of 7 – **Fairfield to Congress Railroad Transmission Line 115-kV Rebuild Project**
Proposed Route, CT DOT Railroad Corridor – Black Rock Turnpike to CT DOT Railroad Corridor – Bostwick Avenue
Town of Fairfield and City of Bridgeport, Fairfield County, CT

AREA DESCRIPTION

Existing Land Use

- Residential, Commercial, Industrial/Business
- Commercial
- Industrial/Business
- Recreational / Open Space
  - West End Park, 1600 CT Route 130, Bridgeport

Zoning[1]

- Town of Fairfield
  - Designed Industrial District (DI)
  - Commerce Drive Area Designed District (CDADD)
- City of Bridgeport
  - Mixed Residential 1 (NX3)
  - Mixed-Use Centers (MX2)
  - Neighborhood Mix 2 (NX2)
  - Heavy Commercial-Wholesale (CX)
  - Industrial (I)
  - Residential-Office Center (RX2)

Natural Systems

- State/Federal Jurisdictional Wetlands and Watercourses
- FEMA 100-Year and 500-Year Flood Zones
- CT DEEP Inland Wetland Soils / CT DEEP Tidal Wetland Soils
- CT NDDB Area
- CT DEEP Coastal Management Area
- Ash Creek

Visual Character

- CT DOT Railroad Corridor (Metro North Railroad)
- Urban-suburban environments, low profile commercial/industrial buildings, and parking areas
- Waterway environments

Community Facilities

- Bright Beginnings Early Childhood Program, 356 Black Rock Turnpike, Fairfield
- Family Child Care, 1668 Fairfield Ave, Bridgeport
- Liz Learn and Play Child Care, 77 Davis Ave, Bridgeport
- Mary Immaculate Day Care Center, 1111 Wordin Ave, Bridgeport
- Steamulating Young Minds Imagination Academy, 246 Lenox Ave, Bridgeport
- Sunflower Family Learning Center, 24 Whittier St, Bridgeport
- West End Child Care, 361 Bird St, Bridgeport
- Geraldine Claytor Magnet Academy, 240 Ocean Terrace, Bridgeport
- Park City Prep Charter School, 1550 State St, Bridgeport
- Whittier Elementary School, 82 Whittier St, Bridgeport
- Wakeman Boys And Girls Club Smilow Burroughs Summer Camp, 2414 Fairfield Ave, Bridgeport

Historic and Cultural Resources

- Cassidy House, 691 Ellsworth Street, Bridgeport - NRHP
- Railroad Avenue Industrial District, Bridgeport – NRHD
- West End Congregation – Achavath Achim Synagogue, 725 Hancock Ave - NRHP

CT DOT PROPERTY: RAILROAD CORRIDOR DESCRIPTION AND PROPOSED UI FACILITIES

CT DOT Corridor Property

- Total Corridor Width: Varies, 66 - 236 feet
- Number of Railroad Tracks (Metro North Railroad) = 4
- Distance from center of existing southern catenary structure to southern CT DOT Corridor boundary = Varies, 2 – 48 feet
- Distance from center of existing northern catenary structure to northern CT DOT Corridor boundary = Varies, 2 – 120 feet

Proposed UI 115-kV Transmission Lines and Proposed Project Activities

- 91001-2 line on south side of CT DOT Corridor: Remove Existing Bonnets and 115-kV Components on Catenary Structures 723S through 733S, 736S, 736AS, 737S, 738AS, 739S through 742S
- 1130 line on north side of CT DOT Corridor: Remove Existing Bonnets and 115-kV Components on Catenary Structures 737N, 738N, 738BN, 739N through 742N
- 1130 line on north side of CT DOT Corridor: Remove 115-kV Components and Top Portion of Pole 736N
- 91001-2 line on south side of CT DOT Corridor: Rebuild 115-kV Transmission Line on single circuit monopoles
  - Construct Transmission Line Structures P723S through P737S. Cross over railroad tracks from P737S to P737N
  - Reconductor[2] 115-kV Components on existing Transmission Line Structure TP734S and TP735S
- 1130 line on north side of CT DOT Corridor: Rebuild 115-kV Transmission Line on single circuit monopoles
  - Construct Transmission Line Structures P736NN
  - Reconductor[2] 115-kV Components on existing Transmission Line Structure TP735N
- 91001-2 and 1130 lines on north side of CT DOT Corridor: Rebuild 115-kV Transmission Line on double circuit monopoles
  - Construct Transmission Line Structures P737N through P740N, P742N
- 1130 line on north side of CT DOT Corridor to remain until TP735N

Proposed UI Easement Boundary Outside of CT DOT Corridor Boundary

- North Side: 0 feet, except for: P737N to P742N - 29 feet to 79 feet
- South Side: 0 feet, except for: P723S to P737S - 0 feet to 23 feet

Wetlands, Watercourses and Waterbodies

- Tidal Watercourse Ash Creek - E1UBL
- Tidal Wetland TW-J – E1UBL

Railroad Corridor Vegetation

- None on CT DOT railroad corridor within existing catenary structures and rail clear zones (managed and maintained by CT DOT)
- Stands of mixed deciduous/evergreen trees and shrubs within CT DOT corridor boundary outside of CT DOT maintained limits
- Wetland/watercourse cover types noted above

Terrain

- Flat railroad corridor area with variably steep, ballasted embankment slopes bordered by generally flat terrain
- Existing elevated railroad corridor bridge over Ash Creek, Fairfield Avenue, and Bostwick Avenue

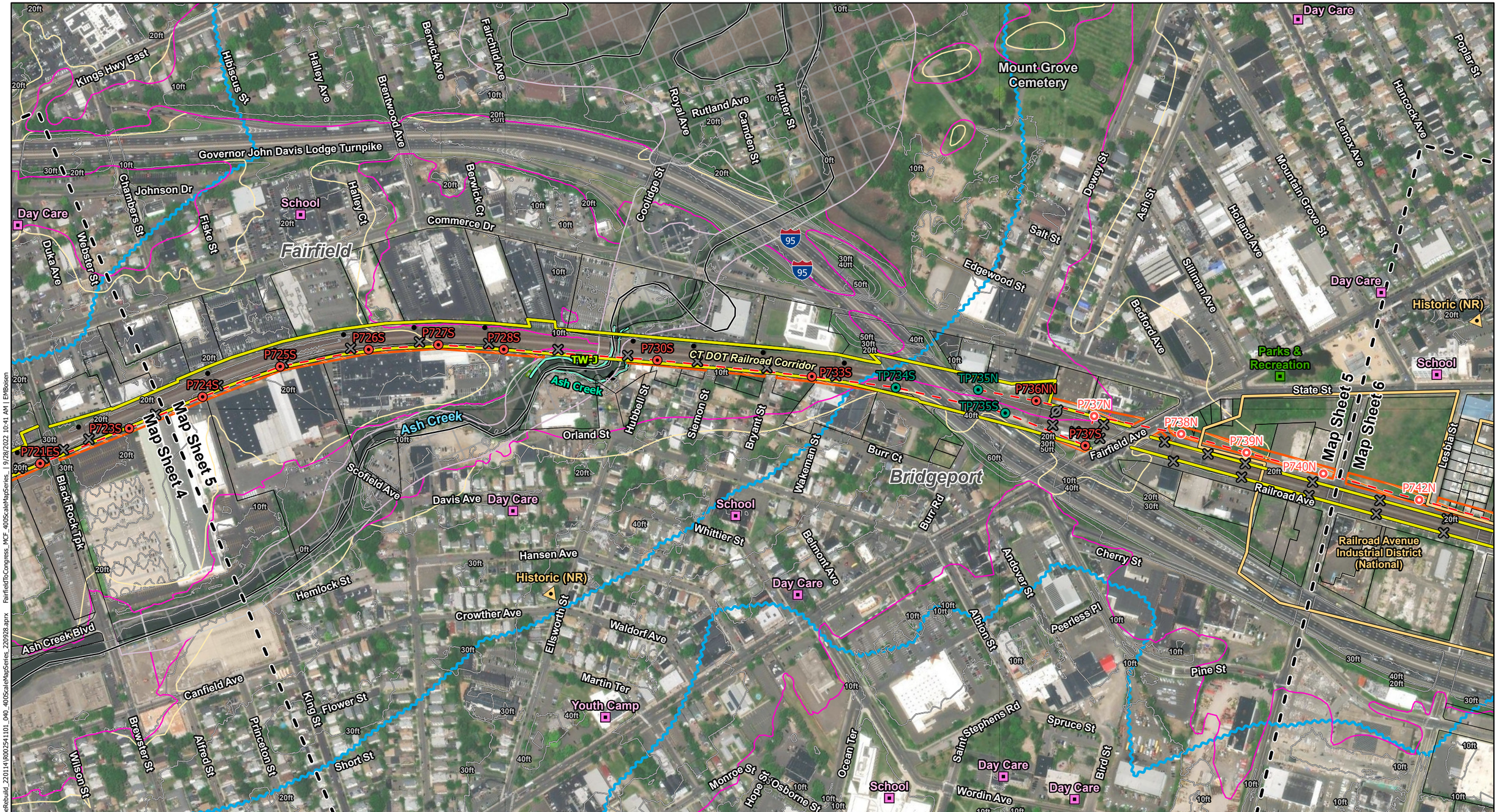
Road Crossings, Railroad Crossings and Major Utility Crossings[3]

- Interstate 95, Fairfield Avenue, Bostwick Avenue
- Metro North 4 track Crossing between P737S and P737N

[1] Zoning Designations along the Proposed Route are included on the UI 115-kV Railroad Project 100-scale maps, also see Attachment V2.1 Overview Maps and Legends for Zoning District Key

[2] "Reconductor 115-kV Components" typically means removal of existing 115-kV conductor cables, insulators, and hardware from the existing structure and replacement with new 115-kV conductors, insulators, and hardware installed on the existing structure in accordance with project requirements

[3] UI would coordinate with other underground and overhead utility companies, municipalities, CT DOT and Metro North Railroad regarding the location of utility and transportation facilities



Map Legend

- Proposed Single Circuit Transmission Line Structure
- Proposed Double Circuit Transmission Line Structure
- Existing Structure to be Reconductored
- Existing Bonnet To Be Removed
- Existing Steel Pole Top To Be Removed & Capped
- Proposed Centerline of Rebuilt 115-kV Line
- Existing CTDOT Corridor Boundary
- Proposed UI Permanent Easement
- Existing Transmission Structure to Remain
- National or State Historic Resource Area
- Community Facility
- Open Space Recreation Area
- Historic (NR) Resource
- Parcel Boundary
- Municipal Boundary
- FEMA Floodway
- FEMA 100-Year Floodplain
- FEMA 500-Year Floodplain
- 10ft Contour
- Field Delineated Wetland
- Delineated Watercourse
- Delineated Tidal Wetland
- Delineated Tidal Watercourse
- CT DEEP Coastal Area

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

Coordinate System:
NAD 1983 (2011) State Plane Connecticut FIPS 0600 (US Feet)
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Revised: 9/28/2022

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UI AVANGRID

Westwood

SHEET 5 OF 7

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MAPSHEET 6 of 7 – **Fairfield to Congress Railroad Transmission Line 115-kV Rebuild Project**
Proposed Route, CT DOT Railroad Corridor – Bostwick Avenue to CT DOT Railroad Corridor – Myrtle Avenue
City of Bridgeport, Fairfield County, CT

AREA DESCRIPTION

Existing Land Use

- Residential
- Commercial
- Industrial/Business
  - UI Resco Substation, 6 Howard Ave
- Recreational / Open Space
  - Went Field, 120 Wordin Ave

Zoning[1]

- City of Bridgeport
  - Residential-Office Center (RX2), Mixed Residential 1 (NX3), Neighborhood Mix 2 (NX2), Industrial (I)
  - Utility-Energy Infrastructure (P4)
  - Office-Industrial Centers (IX)
  - Civic and Institutional (P2)
  - Parks and Open Space (P1)
  - Heavy Commercial-Wholesale (CX)
  - Mixed-Use Corridor (MX1)

Natural Systems

- FEMA 100-Year Flood Zones
- State/Federal Jurisdictional Watercourses
- CT DEEP Coastal Management Area
- Cedar Creek

Visual Character

- CT DOT Railroad Corridor (Metro North Railroad)
- Urban environments with housing, low profile commercial/industrial buildings, and parking areas
- Waterway and harbor environments

Community Facilities

- Bridgeport YMCA/SECC PALS 1 Child Care Center, 650 Park Ave
- Children's Play House of Bridgeport, 63 Butler Ave
- Donna's Little Doves Child Development Center, 215 Warren St
- Family Child Cares, 73 Park Terrace and 289 West Liberty St
- Lil Sunshine Home Day Care, 45 Butler Ave
- Mercy Learning Center Early Childhood Education Program, 637 Park Ave
- Safari Adventure Family Day Care, 285 Hanover St
- Scholastic Renaissance, 102 Cottage St
- The Angels Day Care, 24 Butler St
- Toya's Little ToTs Day Care, 217 Lewis St
- Mental Health Residential Living Center, 964 Iranistan Ave
- Park City Residential Care Home, 752 Park Ave
- New Beginnings Family Academy, 184 Garden St
- Bassick High School, 1181 Fairfield Ave

Community Facilities (continued)

- Cesar A. Batalla School, 606 Howard Ave
- Great Oaks Charter School, 40 Cherry St
- Elias Howe School, 303 Clinton Ave
- Park City Prep Charter School, 1550 State St
- Roosevelt School, 680 Park Ave
- University of Bridgeport, 126 Park Ave

Historic and Cultural Resources

- Railroad Avenue Industrial District – NRHD
- Seaside Village Historic District – NRHD
- Bassickville Historic District – NRHD
- West End Congregation – Achavath Achim Synagogue, 725 Hancock Ave - NRHP
- Division Street Historic District – NRHD
- Barnum/Palliser Historic District – NRHD/SRHD/LHD
- Marina Park Historic District - NRHD

HOWARD AVENUE: RESCO SUBSTATION OPGW LINE DESCRIPTION AND PROPOSED UI FACILITIES

Howard Avenue Public ROW

- Total Width: 60 feet

Proposed UI 115-kV Transmission Lines and Proposed Project Activities

- 91001-3 tap line to Resco Substation: Rebuild Overhead Fiber Optic Line (OPGW) and associated components on existing single circuit monopoles (Structures RT1 through RT5) and into the Resco Substation

Proposed UI Easement Boundary Outside of Howard Avenue

- No new easement is anticipated for the tap line

Terrain

- Flat, urban streetscape

Road Crossings / Major Utility Crossings[3]

- Cherry Street, Interstate 95, Pine Street, Wordin Avenue

CT DOT PROPERTY: RAILROAD CORRIDOR DESCRIPTION AND PROPOSED UI FACILITIES

CT DOT Corridor Property

- Total Corridor Width: 66 feet
- Number of Railroad Tracks (Metro North Railroad) = 4
- Distance from center of existing catenary structures to CT DOT Corridor boundaries = 2 feet

Proposed UI 115-kV Transmission Lines and Proposed Project Activities

- Remove Existing Bonnets and 115-kV Components on Catenary Structures 742N/742S through 752N/752S, 753N, 756S, 757N/757S through 760N/760S
- 91001-2 and 1130 lines on north side of CT DOT Corridor: Rebuild 115-kV Transmission Line on double circuit monopoles
  - Construct Transmission Line Structures P742N through P744N, P745WN, P745N
- 91001-1 and 1130 lines on south side of CT DOT Corridor: Rebuild 115-kV Transmission Line on double circuit monopoles
  - Construct Transmission Line Structure P745S through P752S. Cross over railroad tracks from P745S to P745N. Cross over railroad tracks again from P752S to P752N.
- 91001-1 line on south side of CT DOT Corridor: Rebuild 115-kV Transmission Line on single circuit monopoles
  - Construct Transmission Line Structures P756S, P758S, P760S
  - Reconductor[2] 115-kV Components on existing Transmission Line Structure TP753S and TP755S
- 1130 line on north side of CT DOT Corridor: Rebuild 115-kV Transmission Line on single circuit monopoles
  - Construct Transmission Line Structures P752N, P756N through P760N
  - Reconductor[2] 115-kV Components on existing Transmission Line Structure TP754N and TP756N

Proposed UI Easement Boundary Outside of CT DOT Corridor Boundary

- North Side: 0 feet, except for: P742N to P745N - 76 feet, and P752N to P762N - 30 feet to 50 feet
- South Side: 0 feet, except for: P745S to P762S – 30 feet to 82 feet

Railroad Corridor Vegetation

- None on CT DOT railroad corridor within existing catenary structures and rail clear zones (managed and maintained by CT DOT)

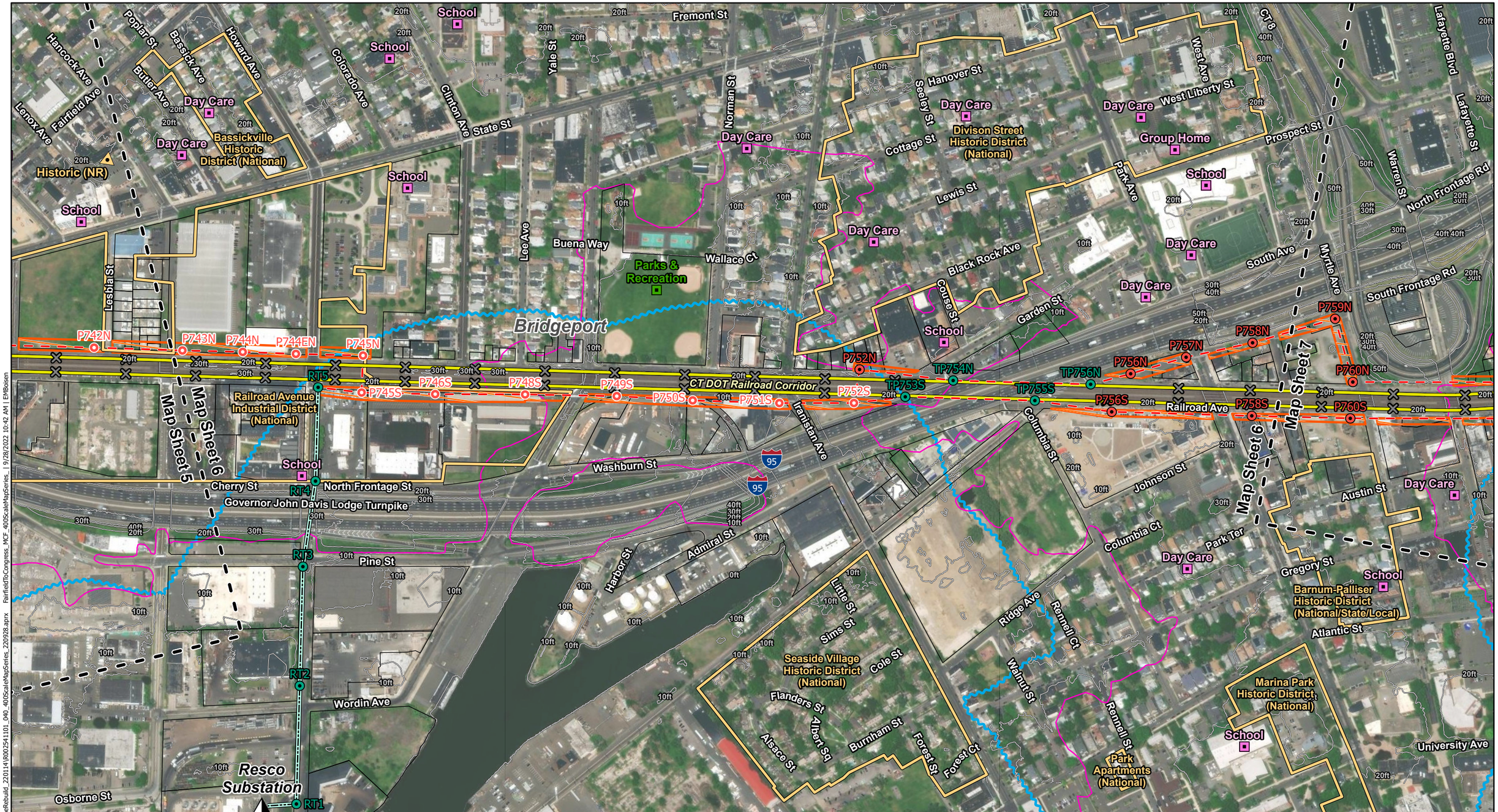
Terrain

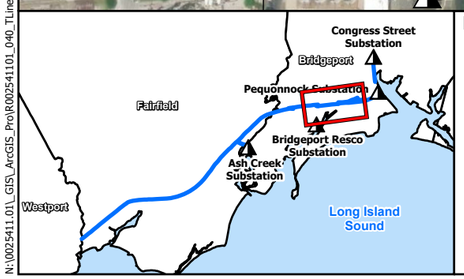
- Flat railroad corridor area with variably steep, ballasted embankment slopes bordered by variably hilly terrain
- Existing elevated railroad corridor bridge over Hancock Avenue, Howard Avenue, Wordin Avenue, Iranistan Avenue, South Avenue, and Park Avenue

Road Crossings / Major Utility Crossings[3]

- Hancock Avenue, Howard Avenue, Wordin Avenue, Iranistan Avenue, Interstate 95, South Avenue, Park Avenue
- Metro North 4 track Crossings between P745N and P745S; and P752S and P752N

[1] Zoning Designations along the Proposed Route are included on the UI 115-kV Railroad Project 100-scale maps, also see Attachment V2.1 Overview Maps and Legends for Zoning District Key
[2] "Reconductor 115-kV Components" typically means removal of existing 115-kV conductor cables, insulators, and hardware from the existing structure and replacement with new 115-kV conductors, insulators, and hardware installed on the existing structure in accordance with project requirements
[3] UI would coordinate with other underground and overhead utility companies, municipalities, CT DOT and Metro North Railroad regarding the location of utility and transportation facilities





Map Legend

- Proposed Single Circuit Transmission Line Structure
- Proposed Double Circuit Transmission Line Structure
- Existing Structure to be Reconductored
- Substation
- Existing Bonnet To Be Removed
- Proposed Centerline of Rebuilt 115-kV Line
- Existing CTDOT Corridor Boundary
- Proposed UI Permanent Easement
- Proposed Overhead Fiber Optic
- National or State Historic Resource Area
- Community Facility
- Open Space Recreation Area
- Historic (NR) Resource
- Parcel Boundary
- FEMA 100-Year Floodplain
- 10ft Contour
- Field Delineated Wetland
- Delineated Watercourse
- CT DEEP Coastal Area

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

Coordinate System:
NAD 1983 (2011) State Plane Connecticut FIPS 0600 (US Feet)
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Revised: 9/28/2022

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UI AVANGRID

Westwood

SHEET 6 OF 7

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MAPSHEET 7 of 7 – **Fairfield to Congress Railroad Transmission Line 115-kV Rebuild Project**
Proposed Route, CT DOT Railroad Corridor – Myrtle Avenue to CT DOT Railroad Corridor – Congress Street Substation, west of Congress Street
City of Bridgeport, Fairfield County, CT

AREA DESCRIPTION

Existing Land Use

- Residential
- Commercial
- Industrial/Business
  - UI Congress Substation, 55 Congress St
  - UI Pequonnock Substation: (New) 1 Kiefer St / (Old) 1 Atlantic St
- Recreational / Open Space
  - McLevy Green, 102 Bank St
  - Baldwin Plaza, 1135 Broad St
  - Riverfront Park, 208 Housatonic Ave
  - Majestic Park, 1471 Main St

Zoning[1]

- City Bridgeport
  - Residential-Office Center (RX2), Downtown Edge (DX2), Civic and Institutional (P2)
  - Parks and Open Space (P1)
  - Utility-Energy Infrastructure (P4)
  - Detention-Correction Facilities (P5)

Natural Systems

- State/Federal Jurisdictional Wetlands and Watercourses
- FEMA 100-Year Flood Zones
- CT NDDB Area
- CT DEEP Coastal Management Area
- Pequonnock River

Visual Character

- CT DOT Railroad Corridor (Metro North Railroad)
- Urban environments with single and multi-family housing, low profile and high rise commercial/industrial buildings, and parking areas
- Waterfront and harbor environments

Community Facilities

- Bridgeport Transportation Center, 525-710 Water St
- Bridgeport and Port Jefferson Ferry Terminal, 1 Ferry Access Rd
- Bridgeport YMCA/Kolbe Educational Center, 401 Kossuth St
- Donna's Little Doves Child Development Center, 215 Warren St
- Early Childhood Laboratory School, 900 Lafayette Blvd
- Jaime A Hulley Child Care Center, 460 Lafayette St
- Lighthouse Summer Program, 45 Lyon Terrace
- Bridgeport Hospital Center for Sleep Medicine, 1070 Main St
- Capital Preparatory Harbor Upper School, 777 Main St
- Housatonic Community College, 900 Lafayette Blvd
- The Bridge Academy, 160 Pulaski St
- Horizons at Greens Farms Academy, 1057 Broad St

Historic and Cultural Resources

- Bridgeport Downtown South Historic District – NRHD
- Mary and Eliza Freeman Houses, 352-354 & 358-360 Main St – NRHP
- Barnum/Palliser Historic District – NRHD/SRHD/LHD
- Bishop William D. Cottage Development Historic District – NRHD
- David Perry House, 531 Lafayette St – NRHP
- A.M.E. Zion Church, 427 Broad St - SRHP
- A.M.E. Zion Church Parsonage, 12 Gregory St – SRHP
- Charles A Nicholas Meat Market, 388 East Main Street – SRHP
- Ralph's Barber Shop, 420 East Main Street - SRHP
- CT Railway and Lighting Co. Car Barn (demolished), 55 Congress St - NRHP
- Golden Hill Historic District – NRHD
- Palace and Majestic Theaters, 1315-1357 Main St - NRHP
- Bridgeport Downtown North and South Historic Districts – NRHD
- Pequonnock River Railroad Bridge, RR ROW at Pequonnock River – NRHP
- East Bridgeport Historic District – NRHD
- East Main Street Historic District – NRHD
- Barnum Institute of Science & History, 804-820 Main St – NRHP
- Canal Boats – Berkshire No. 7, Elmer S. Dailey, Priscilla Dailey, Bridgeport Harbor – NRHP and Underwater Archaeological Resources

CT DOT PROPERTY: RAILROAD CORRIDOR DESCRIPTION AND PROPOSED UI FACILITIES

CT DOT Corridor Property

- Total Corridor Width: Varies, 66 - 210 feet
- Number of Railroad Tracks (Metro North Railroad) = 4
- Distance from center of existing southern catenary structure to southern CT DOT Corridor boundary = Varies, 2 – 80 feet
- Distance from center of existing northern catenary structure to northern CT DOT Corridor boundary = Varies, 2 – 80 feet

Proposed UI 115-kV Transmission Lines and Proposed Project Activities

- Remove Existing Bonnets and 115-kV Components on Catenary Structures 760N/760S through 765N/765S, 765AN/765AS, 765BN/765BS, 777N/777S, 777AN/777AS, 778N/778S, 778AN/778AS, 779N/779S, 779AN/779AS, 780N/708S through 783N/783S
- Remove 115-kV Components and Poles 775N, 775AS
- Remove 115-kV Components and Lattice Tower "North Tower" above the MNR railroad tracks
- 1130 line on north side of CT DOT Corridor: Rebuild 115-kV Transmission Line on single circuit monopoles
  - Construct Transmission Line Structure P762N

Proposed UI 115-kV Transmission Lines and Proposed Project Activities (continued)

- 91001-1 and 1130 lines on south side of CT DOT Corridor: Rebuild 115-kV Transmission Line on double circuit monopoles
  - Construct Transmission Line Structures P762S, 765AS
- 8809A and 8909B lines on south side of CT DOT Corridor: Rebuild 115-kV Transmission Line on double circuit monopoles
  - Construct Transmission Line Structures P775S, P779S, P783S
- 8809A and 8909B lines on north side of CT DOT Corridor: Rebuild 115-kV Transmission Line on double circuit monopoles
  - Construct Transmission Line Structures P783N
  - Reconductor[2] 115-kV Components on existing Transmission Line Structure TP784N at Congress Substation

Proposed UI Easement Boundary Outside of CT DOT Corridor Boundary

- North Side: 0 feet, except for: P783N - 63 feet
- South Side: 0 feet, except for: P762S to P765AS – 53 to 101 feet and P775S to P783S – 0 feet to 74 feet

Wetlands, Watercourses and Waterbodies

- Pequonnock River – E1UBL

Railroad Corridor Vegetation

- None on CT DOT railroad corridor within existing catenary structures and rail clear zones (managed and maintained by CT DOT)
- Stands of shrubs within CT DOT corridor boundary outside of CT DOT maintained limits
- Watercourse cover types noted above

Terrain

- Flat railroad corridor area with variably steep, ballasted embankment slopes bordered by flat to hilly terrain
- Existing elevated railroad ROW over a concrete box culvert at Cove River
- Existing elevated railroad corridor bridge over Myrtle Avenue, Warren Street, Lafayette Street, Broad Street, and Stratford Avenue

Road Crossings / Major Utility Crossings[3]

- Myrtle Avenue, Warren Street, Lafayette Street, Broad Street, Interstate 95, Stratford Avenue

[1] Zoning Designations along the Proposed Route are included on the UI 115-kV Railroad Project 100-scale maps, also see Attachment V2.1 Overview Maps and Legends for Zoning District Key
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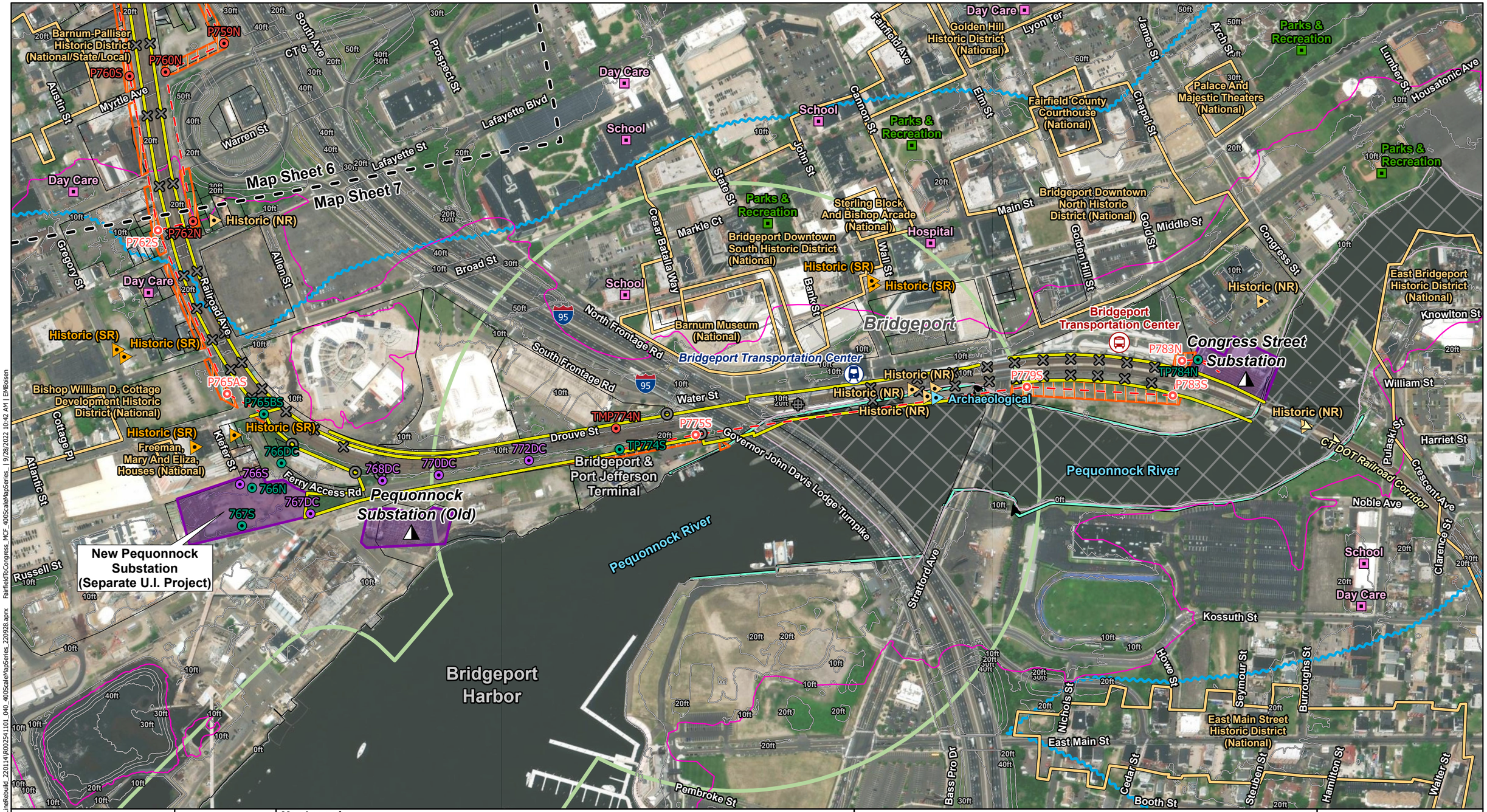

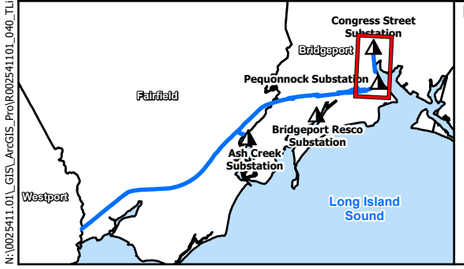

Map Legend

- Proposed Single Circuit Transmission Line Structure
- Proposed Double Circuit Transmission Line Structure
- New Pequonnock Structure
- Existing Structure to be Reconductored
- Substation
- Existing UI Steel Pole To Be Removed
- Existing UI Lattice Tower To Be Removed
- Existing Bonnet To Be Removed
- Proposed Centerline of Rebuilt 115-kV Line
- Existing CTDOT Corridor Boundary
- Proposed UI Permanent Easement
- National or State Historic Resource Area
- Community Facility
- Open Space Recreation Area
- Train Station
- Historic (NR) Resource
- Historic (SR) Resource
- Archaeological Location
- UI-Owned Property
- Parcel Boundary
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- FEMA 100-Year Floodplain
- 10ft Contour
- Field Delineated Wetland
- Delineated Watercourse
- Delineated Tidal Watercourse
- CT DEEP Coastal Area
- Natural Diversity Database Area (NDDB)

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

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UI AVANGRID

Westwood

SHEET 7 OF 7

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Attachment V2.4

1” = 100’ SCALE MAPS:

FAIRFIELD-CONGRESS RAILROAD TRANSMISSION LINE 115-kV REBUILD PROJECT

1" = 100' SCALE MAPSHEET INDEX

FAIRFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-KV REBUILD PROJECT

Mapsheet	Town / City	Proposed Structures	Proposed Removals and Modifications to Existing Structures[1, 2, 3]
100 Scale Key Sheet	Fairfield, Bridgeport	N/A – Overview / Key Sheet	N/A – Overview / Key Sheet
1 of 29	Fairfield	Transmission Line Structures P648S through P651S Re-establish Circuit 1430 connection on P648S	Remove Existing Bonnets and 115-kV Components on Catenary Structures on 648S, 648AS, 648BS, 649S, 649AS, 649BS, 650S, 651S, 651AS Remove Circuit 1430 connection on 648S
2 of 29	Fairfield	Transmission Line Structures P652BS, P654S through P656S	Remove Existing Bonnets and 115-kV Components on Catenary Structures on 651BS, 652S, 652AS, 652BS, 653S, 654S, 654AS, 654BS, 655S, 655AS 655BS, 656S, 656AS
3 of 29	Fairfield	Transmission Line Structures P657S, P659S, 9661S	Remove Existing Bonnets and 115-kV Components on Catenary Structures on 657S, 658S, through 661S
4 of 29	Fairfield	Transmission Line Structures P663S, P664S, P665S	Remove Existing Bonnets and 115-kV Components on Catenary Structures on 662S through 665S, 665AS, 665BS
5 of 29	Fairfield	Transmission Line Structures P666AS, P668S, P669S, P671S	Remove Existing Bonnets and 115-kV Components on Catenary Structures on 666AS, 667S through 671S
6 of 29	Fairfield	Transmission Line Structures P673S through P676S	Remove Existing Bonnets and 115-kV Components on Catenary Structures on 672S through 676S
7 of 29	Fairfield	Transmission Line Structures P677S through P681S	Remove Existing Bonnets and 115-kV Components on Catenary Structures on 677S through 680S, 680BS, 681S
8 of 29	Fairfield	Transmission Line Structures P682S, P684S through P686S	Remove Existing Bonnets and 115-kV Components on Catenary Structures on 682S through 686S
9 of 29	Fairfield	Transmission Line Structures P688S through P691S	Remove Existing Bonnets and 115-kV Components on Catenary Structures on 687S, 687AS, 688S through 691S; Remove 115-kV Components and X-braced 3 Pole Structure west of Catenary Structure 687S
10 of 29	Fairfield	Transmission Line Structures P692S, P693S, P695S, P696S	Remove Existing Bonnets and 115-kV Components on Catenary Structures on 692S through 696S
11 of 29	Fairfield	Transmission Line Structures P698S through P701S	Remove Existing Bonnets and 115-kV Components on Catenary Structures on 697S, 697AS, 698S, 699S through 701S
12 of 29	Fairfield	Transmission Line Structures P703S through P706S	Remove Existing Bonnets and 115-kV Components on Catenary Structures on 702S, 703S, 703AS, 704S through 706S
13 of 29	Fairfield	Transmission Line Structures P707S through P710S, P710AS, P711AS	Remove Existing Bonnets and 115-kV Components on Catenary Structures on 706AS, 707S through 710S, 710AS, 711S, 711AS
14 of 29	Fairfield	Transmission Line Structures P712S, P713S, P713WS, P714ES, P716S	Remove Existing Bonnets and 115-kV Components on Catenary Structures on 712S through 716S Remove Existing 115-kV Components and Lattice Tower AC1
15 of 29	Fairfield/Bridgeport	Ash Creek Substation Interconnection Replacement; Transmission Line Structures P713WS-1, P714ES-1, P713WS-2, P714ES-2	Remove Existing 115-kV Components and Lattice Towers AC2, and AC3
16 of 29	Fairfield	Transmission Line Structures P719S, P720S, P721ES	Remove Existing Bonnets and 115-kV Components on Catenary Structures on 719S, 720S, 720AS, 721S Remove Existing southern Bonnets and 115-kV Components on both sides of Black Rock Turnpike
17 of 29	Fairfield	Transmission Line Structures P723S through P726S	Remove Existing Bonnets and 115-kV Components on Catenary Structures on 722S through 726S
18 of 29	Fairfield/Bridgeport	Transmission Line Structures P727S, P728S, P730S	Remove Existing Bonnets and 115-kV Components on Catenary Structures on 727S through 731S
19 of 29	Bridgeport	Transmission Line Structures P733S, P736NN	Remove Existing Bonnets and 115-kV Components on Catenary Structures on 732S, 733S, 736S, 736AS Remove 115-kV Components and Top Portion of Pole 736N
20 of 29	Bridgeport	Transmission Line Structures P737N through P740N	Remove Existing Bonnets and 115-kV Components on Catenary Structures on 737N/737S, 738N, 738AS, 738BN, 739N/739S through 741N/741S
21 of 29	Bridgeport	Transmission Line Structures P742N through P744N, P745WN, P745N, P745S, RT5	Remove Existing Bonnets and 115-kV Components on Catenary Structures on 742N/742S through 746N/742S; Replace Overhead Fiber Optic Line on Existing Structure RT5
22 of 29	Bridgeport	Transmission Line Structures RT1 through RT4; Resco Substation Fiber Interconnection	Replace Overhead Fiber Optic Line on Existing Structures RT1 through RT4
23 of 29	Bridgeport	Transmission Line Structures P746S, P747S, P749S through P751S	Remove Existing Bonnets and 115-kV Components on Catenary Structures on 747S through 751S
24 of 29	Bridgeport	Transmission Line Structures P752S, P752N, P756S, P756N	Remove Existing Bonnets and 115-kV Components on Catenary Structures on 752N/752S, 753N, 756S
25 of 29	Bridgeport	Transmission Line Structures P757N, P758N, P759N, P760N, P758S, P760S	Remove Existing Bonnets and 115-kV Components on Catenary Structures on 757N/757S through 761N/761S
26 of 29	Bridgeport	Transmission Line Structures P762S, P765AS	Remove Existing Bonnets and 115-kV Components on Catenary Structures on 762N/762S through 765N/765S, 765AN/765AS, 765BN/765BS
27 of 29	Bridgeport	Temporary Transmission Line Structure TMP774N	No removals on this sheet. Removals are subject to change based on coordination with the New Pequonnock Substation Project (Separate UI Project, refer to CSC Docket No. 283)

1" = 100' SCALE MAPSHEET INDEX (continued) FAIRFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-KV REBUILD PROJECT			
28 of 29	Bridgeport	Transmission Line Structures P775S	Remove Existing Bonnets and 115-kV Components on Catenary Structures on 777N/777S, 777AN/777AS, 778N/778S, 778AN/778AS; Remove 115-kV Components and Lattice Tower "North Tower" above the MNR railroad tracks; Remove 115-kV Components and Poles 775N, 775AS
29 of 29	Bridgeport	Transmission Line Structures P779S, P783S, P783N	Remove Existing Bonnets and 115-kV Components on Catenary Structures on 779N/779S, 779AN/779AS, 780N/708S through 783N/783S

[1] Typically, removal of the existing bonnets, hardware, conductors, and shield wire will be completed where proposed work indicates "Remove Existing Bonnets and Existing 115-kV Components". Existing bonnets on catenary structures will remain in place where proposed work is specified as "Remove 115-kV Components". Typically, shield wire for MNR facilities will be re-established on existing catenary structures to maintain shield wire protection and clearances to MNR signal wires. Refer to Volume 2, Attachment V2.5, Plan and Profile Drawings, for installation requirements and details.

[2] Wetlands and watercourses shown on the aerial-based mapping were field delineated within the Project area, including the CT DOT corridor and adjacent areas. These resources may extend further beyond the proposed Project limits. Publicly available Geographic Information System (GIS) datasets were utilized to depict resources outside of the proposed Project area as shown in Attachments V2.3 and V2.4.

[3] The initial structure spotting (original engineering design basis) commenced with the assumption that new double and/or single-circuit monopoles would be offset from each existing catenary structure. The poles were assigned numbers (e.g., P692S) that corresponded to the nearest catenary structure. As work on the Project design proceeded, proposed poles were shifted or eliminated to account for site-specific constraints (e.g., longer than originally planned span lengths to avoid or minimize poles in sidewalks). As a result, 31 of the originally planned monopoles have been eliminated. Because the poles were not re-numbered after these design changes, there are certain gaps in the structure numbers identified on the Volume 2 maps. The numbers of the structures that were eliminated from the Project design are: 653, 658, 660, 662, 670, 672, 674, 680, 683, 687, 694, 697, 702, 705, 707, 716, 722, 729, – all in Fairfield; and 731, 732, 741, 747, 761, 763, 764, 776, 777, 778, 780, 781, 782 – all in Bridgeport.

FAIRFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-KV REBUILD PROJECT
Mapsheet 1 of 29 – Owner/Direct Abutter List

Line List Number	Town/City	Site Address	Owner Name
SAS-1525	SOUTHPORT	139 SOUTH GATE LANE	FAIRFIELD TOWN OF
SAS-1526	SOUTHPORT	145 SOUTH GATE LANE	KELLY JAMES P JR
SAS-1527	SOUTHPORT	127 SOUTH GATE LANE	ABT BEVERLY J
SAS-1531	SOUTHPORT	163 SOUTH GATE LANE	CANNING MAGDALEN K TRUSTEE
SAS-1532	SOUTHPORT	191 SOUTH GATE LANE	PHILLIPS NANCY ELAINE
SAS-1533	SOUTHPORT	225 SOUTH GATE LANE	KALAPOS, KELSEY A & JEFFREY Z.
SAS-1534	SOUTHPORT	247 SOUTH GATE LANE	MAHFOUZ KARIM & MARYANN (SV)
SAS-1535	SOUTHPORT	267 SOUTH GATE LANE	OZYCK STEPHEN & ANDREA (SV)
SAS-1536	SOUTHPORT	305 SOUTH GATE LANE	DANYLKO WILLIAM F
SAS-1537	FAIRFIELD	300 SOUTH GATE LANE	STUPAK DANIEL & DANIELLE (SV)
SAS-1538	SOUTHPORT	266 SOUTH GATE LANE	FUSCO JOHN C & ELLEN M (SV)
SAS-1539	SOUTHPORT	250 SOUTH GATE LANE	WATTERS CAILIN & HEIDSTRA
SAS-1540	SOUTHPORT	184 SOUTH GATE LANE	TREDWAY CHAD
SAS-1541	SOUTHPORT	138 SOUTH GATE LANE	VANNS LLC
SAS-1546	SOUTHPORT	1100 PEQUOT LANE	TARTAGILA ANNE MARIE &
SAS-1553	SOUTHPORT	93 BANKS PLACE	ROBINSON, ADAM
SAS-1555	SOUTHPORT	98 BANKS PLACE	ROBINSON, ADAM GALVO,CAROLINA
SAN-1600	FAIRFIELD	479 WESTWAY ROAD	Garofalo Albert A/EST, c/o Donat C. Marchand Esq.

Governor John Davis Lodge Turnpike

95

Start of Project

P648S

P649S

P650S

P651S

TW-A

CT DOT Railroad Corridor Continues

CT DOT Railroad Corridor

Sasco Creek

A

DRD

R-3

SAN-1600

Map Sheet 1

Map Sheet 2

SAS-1519

SAS-1525

SAS-1526

SAS-1527

SAS-1531

SAS-1532

SAS-1533

SAS-1534

SAS-1535

SAS-1536

SAS-1537

SAS-1538

SAS-1539

SAS-1540

SAS-1541

SAS-1546

SAS-1553

SAS-1554

SAS-1555

Southport Historic District (National/State/Local)

South Gate Ln

Banks Pl

20ft

10ft

Entire Map Sheet within CT DEEP Coastal Area

Map Legend

- Proposed Single Circuit Transmission Line Structure
- Start of Project Location
- Existing Bonnet To Be Removed
- Proposed Centerline of Rebuilt 115-kV Line
- Existing CTDOT Corridor Boundary
- Existing Transmission Structure to Remain
- Proposed Work Pad
- Proposed Permanent Access Road Centerline
- National or State Historic Resource Area
- Parcel Boundary
- FEMA 100-Year Floodplain
- 10ft Contour
- Tree Clearing*
- Delineated Tidal Wetland
- Delineated Tidal Watercourse
- Natural Diversity Database Area (NDDB)

Fairfield Zoning

- A
- DRD
- R-3

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

*Anticipated areas of tree removal are depicted on the maps. In addition, for Project construction, other vegetation (shrubs, herbaceous species) will be removed within the limits of all proposed work areas.

Coordinate System:
NAD 1983 (2011) State Plane Connecticut FIPS 0600 (US Feet)
Linear Units: Foot US

Revised: 9/27/2022

0 50 100 Feet

1" = 100'

UI AVANGRID

Westwood

SHEET 1 OF 29

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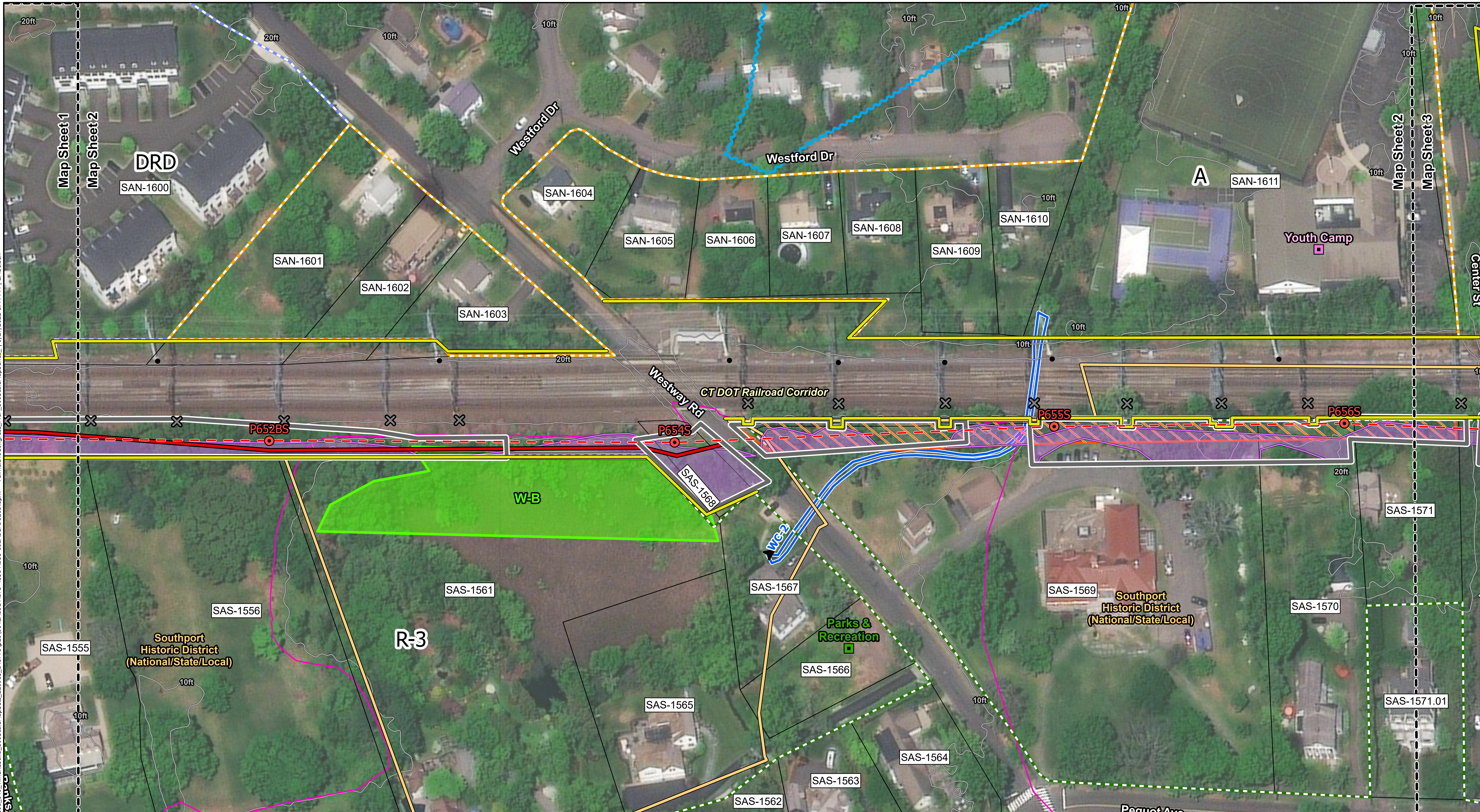
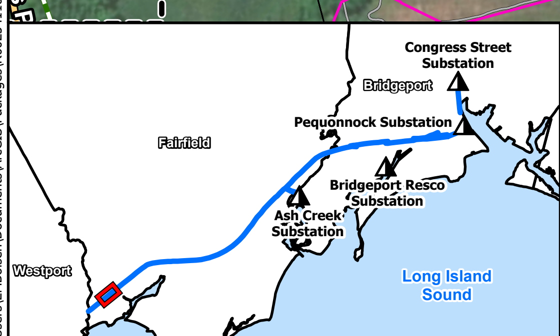
FAIRFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-KV REBUILD PROJECT
Mapsheet 2 of 29 – Owner/Direct Abutter List

Line List Number	Town/City	Site Address	Owner Name
SAS-1555	SOUTHPORT	98 BANKS PLACE	ROBINSON, ADAM GALVO,CAROLINA
SAS-1556	SOUTHPORT	900 PEQUOT AVENUE	ROBINSON, ADAM & GALVO, CAROLINA
SAS-1561	SOUTHPORT	832 PEQUOT AVENUE	MCFAUL THOMAS G & ELLEN L
SAS-1562	SOUTHPORT	808 PEQUOT AVE	SHEEHAN DENNIS T & MARLENE V (SV)
SAS-1563	SOUTHPORT	776 PEQUOT AVE	DWECK H P SEAN & LENORE
SAS-1564	SOUTHPORT	271 WESTWAY ROAD	TRITSCHLER ELIZABETH MCKINNEY
SAS-1565	SOUTHPORT	287 WESTWAY ROAD	MARTINEZ JANICE D
SAS-1566	SOUTHPORT	297 WESTWAY ROAD	ASPETUCK LAND TRUST INC
SAS-1567	SOUTHPORT	305 WESTWAY ROAD	PANUS STEPHEN B & KELLIE ANN (SV)
SAS-1569	SOUTHPORT	720 PEQUOT AVENUE	PEQUOT LIBRARY ASSOCIATION
SAS-1570	SOUTHPORT	678 PEQUOT AVENUE	TRINITY EPISCOPAL CHURCH OF SOUTHPORT
SAS-1571	SOUTHPORT	275 CENTER STREET	SEAN COWAN
SAS-1571.01	SOUTHPORT	658 PEQUOT AVENUE	MEYER JAMES W & LAURA (SV)
SAN-1600	FAIRFIELD	479 WESTWAY ROAD	Garofalo Albert A/EST, c/o Donat C. Marchand Esq.
SAN-1601	SOUTHPORT	437 WESTWAY ROAD	POLESKY CHRISTINA
SAN-1602	SOUTHPORT	425 WESTWAY ROAD	GOMPERTS GEORGE W & BARBARA R
SAN-1603	SOUTHPORT	411 WESTWAY ROAD	GANNON, JULIE
SAN-1604	SOUTHPORT	32 WESTFORD DRIVE	BODINE VICTORIA FINGELLY & GRANNEBERG NICHOLAS
SAN-1605	SOUTHPORT	441 WESTFORD DRIVE	NUCERA BRYCE J
SAN-1606	SOUTHPORT	427 WESTFORD DRIVE	DESMOND JOHN
SAN-1607	SOUTHPORT	411 WESTFORD DRIVE	CARBONE ANTHONY
SAN-1608	SOUTHPORT	397 WESTFORD DRIVE	RAYMONE, LYNN M.
SAN-1609	SOUTHPORT	383 WESTFORD DRIVE	WEBSTER DAVID A & JOAN P (SV)
SAN-1610	SOUTHPORT	365 WESTFORD DRIVE	PIRO SANTO C & CHRISTINE (SV)
SAN-1611	SOUTHPORT	385 CENTER STREET	WAKEMAN MEMORIAL ASSN INC





Map Legend

- Proposed Single Circuit Transmission Line Structure
- Existing Bonnet To Be Removed
- Proposed Centerline of Rebuilt 115-kV Line
- Existing CTDOT Corridor Boundary
- Proposed UI Permanent Easement
- Existing Transmission Structure to Remain
- Proposed Work Pad
- Proposed Permanent Access Road Centerline
- Proposed Temporary Access Road Centerline
- National or State Historic Resource Area
- Community Facility
- Open Space Recreation Area
- Parcel Boundary
- FEMA 100-Year Floodplain
- 10ft Contour
- Tree Clearing*
- Field Delineated Wetland
- Delineated Watercourse
- CT DEEP Coastal Area

Fairfield Zoning

- A
- B
- DRD
- R-3

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

*Anticipated areas of tree removal are depicted on the maps. In addition, for Project construction, other vegetation (shrubs, herbaceous species) will be removed within the limits of all proposed work areas.

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Linear Units: Foot US

Revised: 9/27/2022

N

0 50 100 Feet

1" = 100'

UI AVANGRID

Westwood

SHEET 2 OF 29

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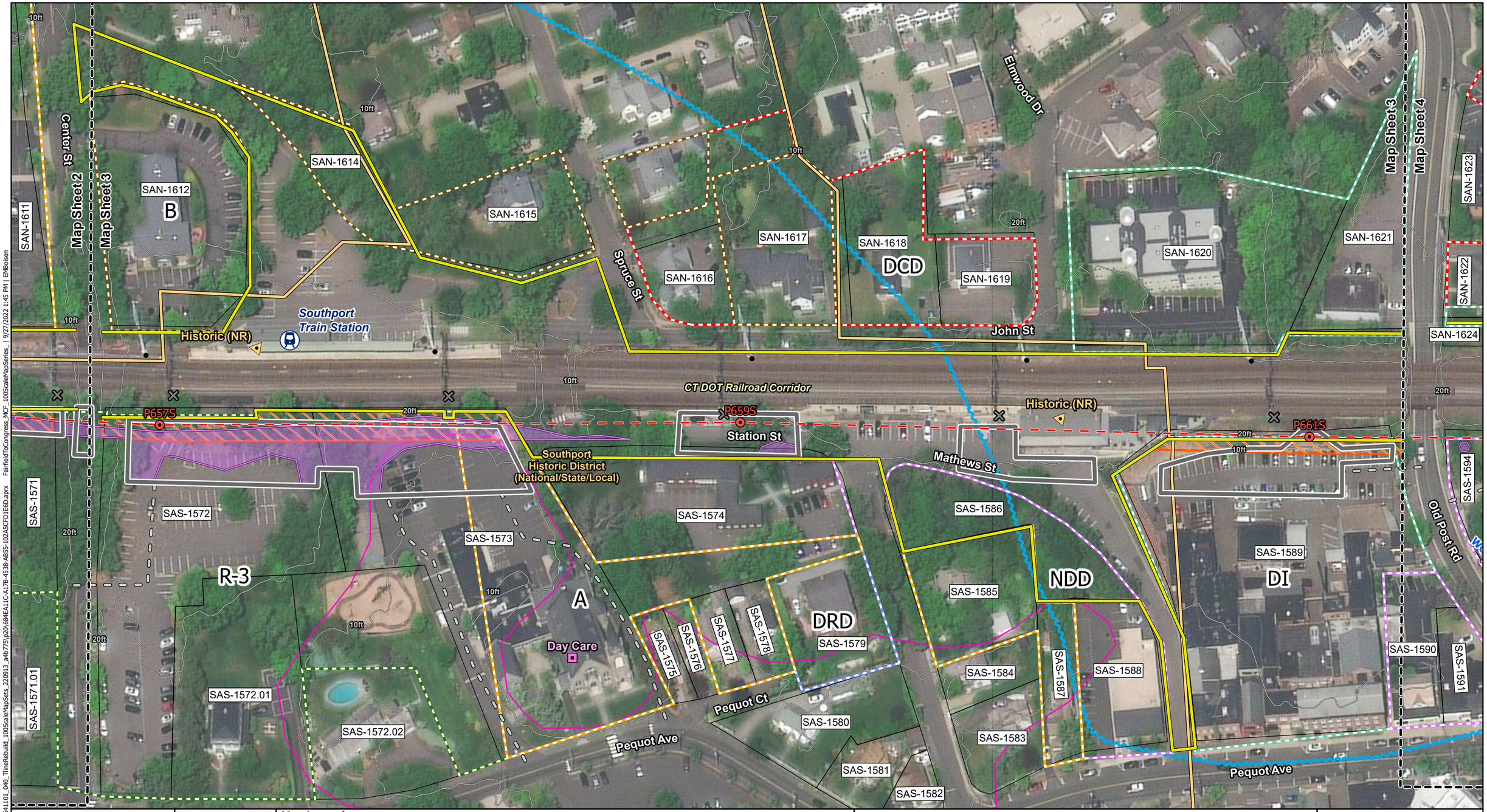
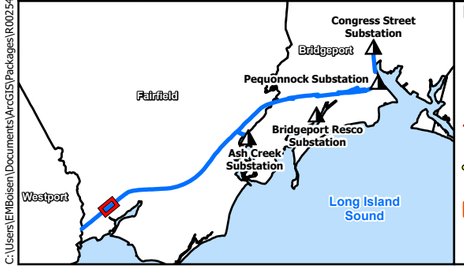
FAIRFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-KV REBUILD PROJECT
Mapsheet 3 of 29 – Owner/Direct Abutter List

Line List Number	Town/City	Site Address	Owner Name
SAN-1612	SOUTHPORT	368 CENTER STREET	TROPHTOUS ASSOCIATES,LLC
SAN-1614	SOUTHPORT	220 STATION STREET	STATE OF CONNECTICUT C/O DEPT OF TRANSPO
SAN-1615	SOUTHPORT	33 SPRUCE STREET	CROLIUS KENDALL L & STOUT, STEPHEN J(SV)
SAN-1616	SOUTHPORT	10 SPRUCE STREET	MISHA PROPERTIES,L.L.C.
SAN-1617	SOUTHPORT	172-176 JOHN STREET	A) 172 John St -Grossman, Orin & Sutherland, Jane Surv B) 176 John St - Michels, Sarah Ann (Bk 5539/0108)
SAN-1618	SOUTHPORT	154 JOHN STREET	GIVENS GARY & LISA (SV)
SAN-1619	SOUTHPORT	136 JOHN STREET	AFFORDABLE HOLDINGS, LLC
SAN-1620	SOUTHPORT	107 JOHN STREET	SOUTHPORT STATION OFFICE CENTER LLC C/O
SAN-1621	SOUTHPORT	95 OLD POST ROAD	BALTIMORE ASSOCIATES LIMITED PARTNERSHIP
SAN-1622	SOUTHPORT	96 OLD POST ROAD	ROSEWELL, LLC
SAS-1572	SOUTHPORT	288 CENTER STREET	TRINITY EPISCOPAL CHURCH OD SOUTHPORT
SAS-1572.01	SOUTHPORT	612 PEQUOT AVENUE	Southport Cong Church
SAS-1572.02	SOUTHPORT	560 Pequot Avenue	Margaret & Stephen Staunton
SAS-1573	SOUTHPORT	524 PEQUOT AVENUE	SOUTHPORT CONG CHURCH
SAS-1574	SOUTHPORT	65 STATION STREET	SF STATION STREET, LLC
SAS-1575	SOUTHPORT	504 PEQUOT AVENUE	WINN EVELYN P
SAS-1576	SOUTHPORT	500 PEQUOT AVENUE	DJM SOUTHPORT LLC
SAS-1577	SOUTHPORT	494 PEQUOT AVENUE	ESTELLE HANNELORE B (LU), WEEMS E JR (RO)5754 - 0213
SAS-1578	SOUTHPORT	490 PEQUOT AVENUE	SHAW, ANN W TRUSTEE
SAS-1579	SOUTHPORT	49 STATION STREET	BOHAN EILEEN K
SAS-1580	SOUTHPORT	488 PEQUOT AVENUE	HUGHES DAVID R & BROWNE PAMELA K (SV)
SAS-1581	SOUTHPORT	470 PEQUOT AVE	OCONNELL MARCIA K
SAS-1582	SOUTHPORT	448 PEQUOT AVE	CASEY, MICHAEL D. & DEBORAH A.
SAS-1583	SOUTHPORT	428 PEQUOT AVENUE	PROCTOR JUDITH C
SAS-1584	SOUTHPORT	28 STATION STREET	SCHARLATT ELISABETH
SAS-1585	SOUTHPORT	46 STATION STREET	KLIMP CASSANDRA
SAS-1586	SOUTHPORT	62 STATION STREET	STATE OF CONNECTICUT C/ODEPT OF TRANSPOR
SAS-1587	SOUTHPORT	416 PEQUOT AVENUE	NOVINS PETER B & JOANNA G (SV)
SAS-1588	SOUTHPORT	402 PEQUOT AVENUE	SOUTHPORT STATION LLC
SAS-1589	SOUTHPORT	354 PEQUOT AVENUE	JELLIFF MFG CO THE C O
SAS-1590	SOUTHPORT	338 PEQUOT AVENUE	MARION ONE, LLC
SAS-1591	SOUTHPORT	322 PEQUOT AVENUE	RINGEL GERARD H & JON L est 1/2 & etal 1/3 each
SAS-1594	SOUTHPORT	56 OLD POST ROAD	STATE OF CONNECTICUT C/O SOUTHPORT CONSERVANCY





Map Legend

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- Proposed UI Permanent Easement
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- Proposed Work Pad
- Proposed Temporary Access Road Centerline
- National or State Historic Resource Area
- Community Facility
- Train Station
- Historic (NR) Resource
- Parcel Boundary
- FEMA 100-Year Floodplain
- 10ft Contour
- Tree Clearing*
- Delineated Watercourse
- CT DEEP Coastal Area

Fairfield Zoning

- A
- B
- DCD
- DI
- DRD
- NDD
- R-3

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

*Anticipated areas of tree removal are depicted on the maps. In addition, for Project construction, other vegetation (shrubs, herbaceous species) will be removed within the limits of all proposed work areas.

Coordinate System:
NAD 1983 (2011) State Plane Connecticut FIPS 0600 (US Feet)
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Revised: 9/27/2022

0 50 100 Feet

1" = 100'

UI AVANGRID

Westwood

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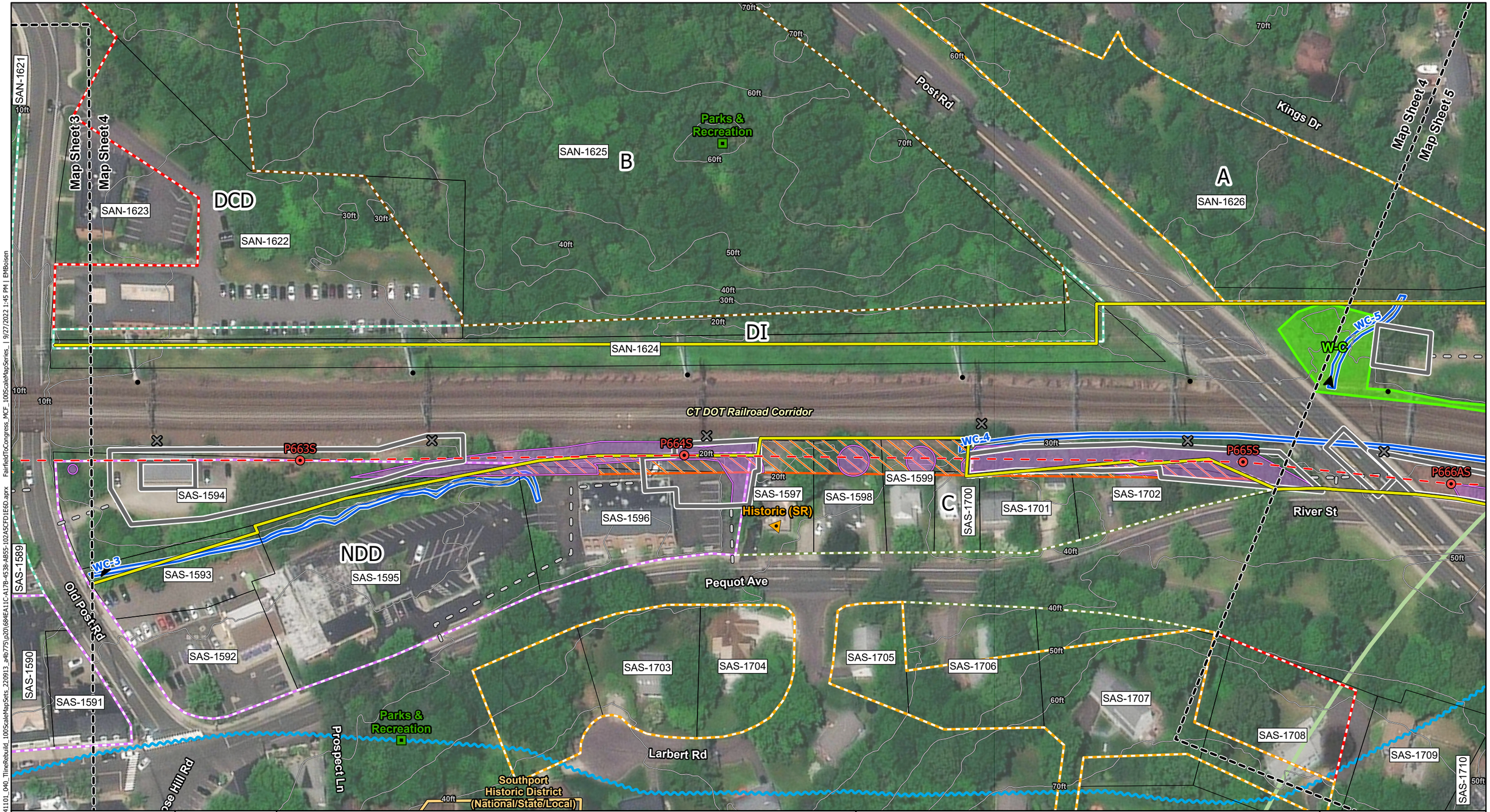
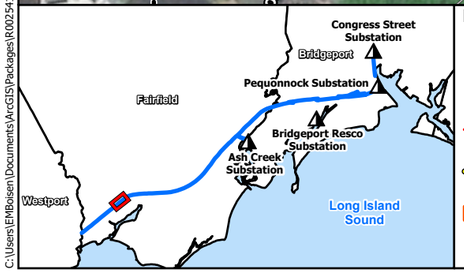
FAIRFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-KV REBUILD PROJECT
Mapsheet 4 of 29 – Owner/Direct Abutter List

Line List Number	Town/City	Site Address	Owner Name
SAS-1591	SOUTHPORT	322 PEQUOT AVENUE	RINGEL GERARD H & JON L est 1/2 & etal 1/3 each
SAS-1592	SOUTHPORT	292 PEQUOT AVENUE	JPMORGAN CHASE BANK C/O ADVANTAGE IQ MS500
SAS-1593	SOUTHPORT	36 OLD POST ROAD	SASQUANAUG ASSN FOR SPT
SAS-1594	SOUTHPORT	56 OLD POST ROAD	STATE OF CONNECTICUT C/O SOUTHPORT CONSERVANCY
SAS-1595	SOUTHPORT	250 PEQUOT AVENUE	PEQUOT REALTY, LLC C/ RDR MANAGEMENT LLC
SAS-1596	SOUTHPORT	200 PEQUOT AVENUE	SG PEQUOT 200 LLC
SAS-1597	SOUTHPORT	170 PEQUOT AVENUE	PARKER DAVID SCOTT
SAS-1598	SOUTHPORT	156 PEQUOT AVENUE	HECK ANDREW J & DIANE J (SV)
SAS-1599	SOUTHPORT	142 PEQUOT AVENUE	SHORT CAROL ANN
SAS-1700	SOUTHPORT	132 PEQUOT AVENUE	INZITARI, JOSEPH & GLORIA (SV)
SAS-1701	SOUTHPORT	122 PEQUOT AVENUE	ZALON, PAUL STEVEN &TEMCHIN IRA TR
SAS-1702	SOUTHPORT	92 PEQUOT AVENUE	THUNFORS JACQUELYN TRUSTEE
SAS-1703	SOUTHPORT	56 LARBERT ROAD	GIBBONS TODD R
SAS-1704	SOUTHPORT	22 LARBERT ROAD	DANIELL MINDA P
SAS-1705	SOUTHPORT	11 LARBERT ROAD	RAMIREZ JAMES A & JENNIFER S (SV)
SAS-1706	SOUTHPORT	125 PEQUOT AVENUE	RUDD ROBERT W & BETTE C
SAS-1707	SOUTHPORT	214 TAINTOR DRIVE	PINO RUDOLPH VICTOR III & KARALEE C (SV)
SAS-1708	SOUTHPORT	164 TAINTOR DRIVE	BECKER DAVID & ERICA H (SV)
SAN-1622	SOUTHPORT	96 OLD POST ROAD	ROSEWELL, LLC
SAN-1623	SOUTHPORT	130 OLD POST ROAD	136 OPR REALTY LLC
SAN-1624	SOUTHPORT	54 OLD POST ROAD	STATE OF CONNECTICUT C/O DEPT OF TRANS Parking Auth
SAN-1625	SOUTHPORT	2951 POST ROAD	SASQUANAUG ASSN FOR SPT IMPROVEMENT INC
SAN-1626	SOUTHPORT	2820 POST ROAD	SASQUANAUG ASSN FOR SPT IMPROVEMENT INC





Map Legend

- Proposed Single Circuit Transmission Line Structure
- Existing Bonnet To Be Removed
- Proposed Centerline of Rebuilt 115-kV Line
- Existing CTDOT Corridor Boundary
- Proposed UI Permanent Easement
- Existing Transmission Structure to Remain
- Proposed Work Pad
- Proposed Temporary Access Road Centerline
- National or State Historic Resource Area
- Open Space Recreation Area
- Historic (SR) Resource
- Parcel Boundary
- 10ft Contour
- Tree Clearing*
- Field Delineated Wetland
- Delineated Watercourse
- CT DEEP Coastal Area
- Natural Diversity Database Area (NDDB)

Fairfield Zoning

- A
- B
- C
- DCD
- DI
- NDD

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

*Anticipated areas of tree removal are depicted on the maps. In addition, for Project construction, other vegetation (shrubs, herbaceous species) will be removed within the limits of all proposed work areas.

Coordinate System:
NAD 1983 (2011) State Plane Connecticut FIPS 0600 (US Feet)
Linear Units: Foot US

Revised: 9/27/2022

0 50 100 Feet

1" = 100'

UI AVANGRID

Westwood

SHEET 4 OF 29

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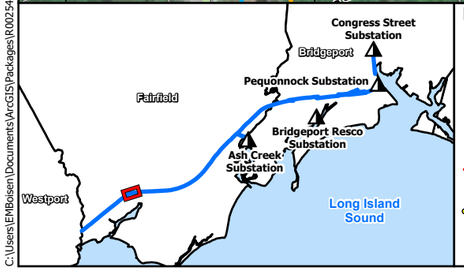
FAIRFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-KV REBUILD PROJECT
Mapsheet 5 of 29 – Owner/Direct Abutter List

Line List Number	Town/City	Site Address	Owner Name
SAS-1709	SOUTHPORT	160 TAINTOR DRIVE	MARHOFFER, ELIZABETH A (SV)
SAS-1710	SOUTHPORT	25 PEQUOT AVENUE	ALMEIDA LLEWELLYN J & ROCHELLE J (SV)
SAS-1711	SOUTHPORT	5 PEQUOT AVE	HOM KENNETH
SAS-1712	SOUTHPORT	2653 POST ROAD	SWETCKIE FRANCIS R & JANE M
SAS-1713	SOUTHPORT	2633 POST ROAD	TROMBETTA DAVID R & sTACEY A (SV)
SAS-1714	SOUTHPORT	2600 POST ROAD	SOUTHPORT POST RD LMT PRTNSHP C/O THE HB NITKIN GROUP
SAS-1715	SOUTHPORT	2520 POST ROAD	STURM RUGER & CO INC
SAS-1716	SOUTHPORT	2500 POST ROAD	SUPERIOR PLATING CO
SAN-1627	SOUTHPORT	5 MILL HILL ROAD	STATE OF CONN GROUP C/O DEPT OF TRANSPOR
SAN-1628	SOUTHPORT	24 BRONSON ROAD	BENSEY DONALD A JR
SAN-1629	SOUTHPORT	32 BRONSON ROAD	AITORO ANTHONY
SAN-1630	SOUTHPORT	40 BRONSON ROAD	PATEL RONEK TR, RONEK PATEL REVOCABLE LIVING TRUST
SAN-1631	SOUTHPORT	54 BRONSON ROAD	GIAGNORIO JOSEPH J & PARKINGTON LINDA
SAN-1632	SOUTHPORT	76 BRONSON ROAD	KOVACS GORDON A.
SAN-1633	SOUTHPORT	92 BRONSON ROAD	GARDEN HOMES RESIDENTIAL LIMITED PARTNER
SAN-1634	SOUTHPORT	140 BRONSON ROAD	GARDEN HOMES RESIDENTIAL LIMITED PARTNER
SAN-1634.01		river crossing	river crossing

Map Sheet 5
Map Sheet 4
Map Sheet 5
Map Sheet 6
Mill Hill Rd
Kings Dr
Bronson Rd
River St
Pequot Ave
Post Rd
Lacey Pl
Mill River
CT DOT Railroad Corridor
DRD
DCD
DI
A
C
SAN-1626
SAN-1627
SAN-1628
SAN-1629
SAN-1630
SAN-1631
SAN-1632
SAN-1633
SAN-1634
SAN-1634.01
SAN-1707
SAN-1708
SAN-1709
SAN-1710
SAN-1711
SAN-1712
SAN-1713
SAN-1714
SAN-1715
SAN-1716
WC-4
WC-5
W-C
W-D
TP668S
P668S
P669S
TP667ES
P666AS
P671S
Parks & Recreation
95
50ft
40ft
30ft
20ft
10ft
60ft
70ft



Map Legend

- Proposed Single Circuit Transmission Line Structure
- Existing Structure to be Reconductored with OPGW
- Existing Bonnet To Be Removed
- Proposed Centerline of Rebuilt 115-kV Line
- Existing CTDOT Corridor Boundary
- Proposed UI Permanent Easement
- Existing Transmission Structure to Remain
- Proposed Work Pad
- Proposed Temporary Access Road Centerline
- National or State Historic Resource Area
- Open Space Recreation Area
- Parcel Boundary
- FEMA Floodway
- FEMA 100-Year Floodplain
- FEMA 500-Year Floodplain
- 10ft Contour
- Tree Clearing*
- Field Delineated Wetland
- Delineated Watercourse
- CT DEEP Coastal Area
- Natural Diversity Database Area (NDDB)

Fairfield Zoning

- A
- C
- DCD
- DI
- DRD

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

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Coordinate System:
NAD 1983 (2011) State Plane Connecticut FIPS 0600 (US Feet)
Linear Units: Foot US

Revised: 9/27/2022

N

0 50 100 Feet

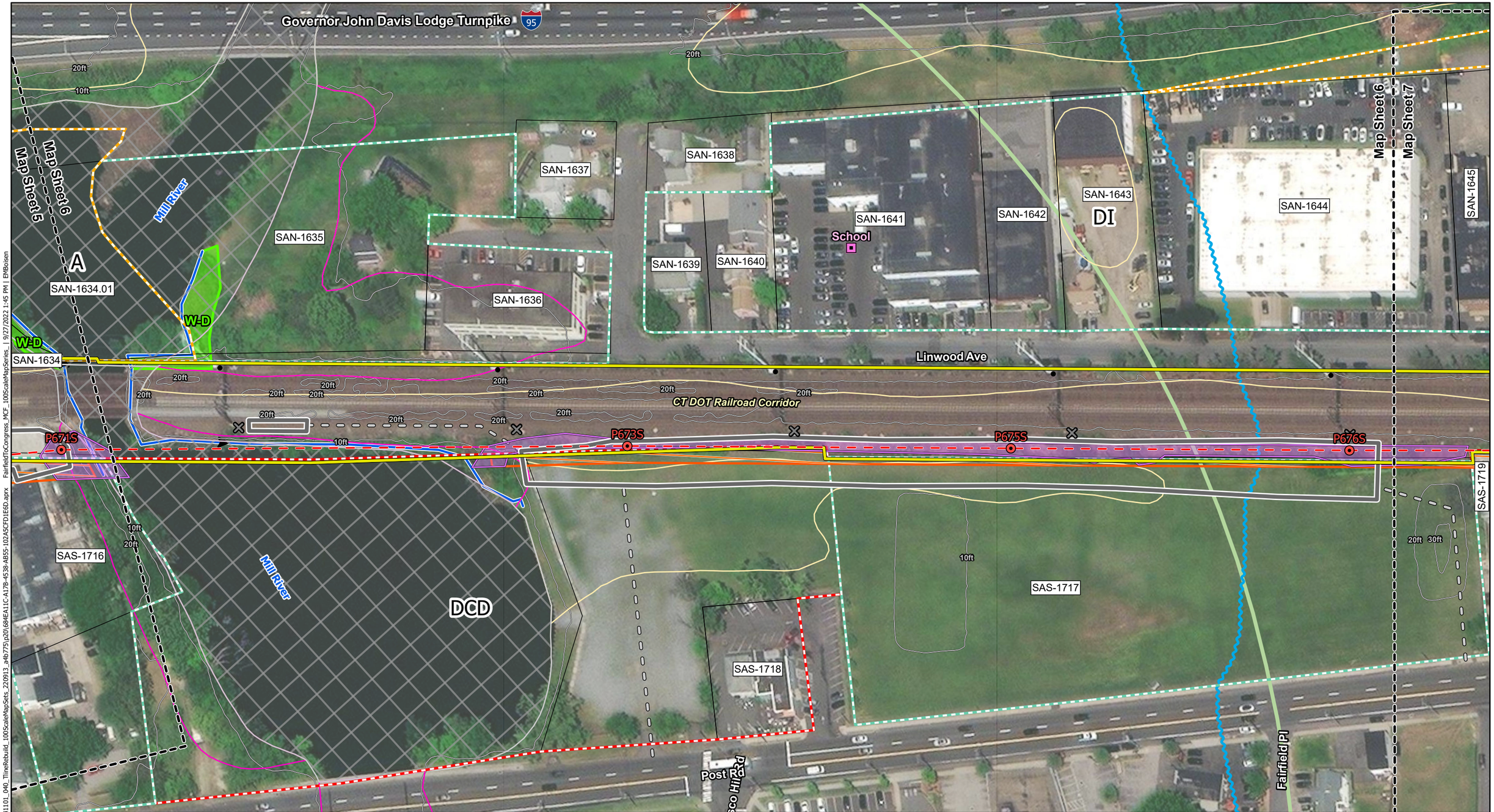
1" = 100'

UI AVANGRID

Westwood

FAIRFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-KV REBUILD PROJECT
Mapsheet 6 of 29 – Owner/Direct Abutter List

Line List Number	Town/City	Site Address	Owner Name
SAN-1634.01		river crossing	river crossing
SAN-1635	FAIRFIELD	320 LINWOOD AVENUE	ROTOLO DOMENIC JR
SAN-1636	FAIRFIELD	303 LINWOOD AVENUE	E & J TWIN PROPERTIES LLC
SAN-1637	FAIRFIELD	300 LINWOOD AVENUE	KOSCH ANDREW J TRUSTEE
SAN-1638	FAIRFIELD	284 LINWOOD AVENUE	LINWOOD AVENUE III, LLC
SAN-1639	FAIRFIELD	248 LINWOOD AVENUE	LINWOOD AVENUE 11, LLC
SAN-1640	FAIRFIELD	234 LINWOOD AVENUE	LINWOOD AVENUE I, LLC
SAN-1641	FAIRFIELD	186 LINWOOD AVENUE	ONE EIGHTY-FIVE STAGG ASSOCIATES
SAN-1642	FAIRFIELD	176 LINWOOD AVENUE	ONE EIGHTY-FIVE STAGG ASSOCIATES
SAN-1643	FAIRFIELD	150 LINWOOD AVENUE	CZAPLA BRUCE
SAN-1644	FAIRFIELD	102 LINWOOD AVENUE	NNN AUTO OWNER VI LLC -- C/O APOLLO MGT. LLC
SAS-1717	FAIRFIELD	2190 POST ROAD	2190 POST ROAD LLC
SAS-1718	FAIRFIELD	2316 POST ROAD	2316 POST ROAD, LLC C/O MARTIN J LEVINE



Map Legend

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- Existing Bonnet To Be Removed
- Proposed Centerline of Rebuilt 115-kV Line
- Existing CTDOT Corridor Boundary
- Proposed UI Permanent Easement
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- Proposed Work Pad
- Proposed Temporary Access Road Centerline
- National or State Historic Resource Area
- Community Facility
- Parcel Boundary
- FEMA Floodway
- FEMA 100-Year Floodplain
- FEMA 500-Year Floodplain
- 10ft Contour
- Tree Clearing*
- Field Delineated Wetland
- Delineated Watercourse
- CT DEEP Coastal Area
- Natural Diversity Database Area (NDDB)

Fairfield Zoning

- A
- DCD
- DI

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

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N

0 50 100 Feet

1" = 100'

UI AVANGRID

Westwood

SHEET 6 OF 29

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FAIRFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-KV REBUILD PROJECT
Mapsheet 7 of 29 – Owner/Direct Abutter List

Line List Number	Town/City	Site Address	Owner Name
SAS-1719	FAIRFIELD	2150 POST ROAD	2150 POST ROAD REALTY LLC - C/O VALLEY EAST PROPERTIES LLC
SAS-1720	FAIRFIELD	2088 POST ROAD	HARRY'S CORNER,LLC
SAS-1721	FAIRFIELD	2070 POST ROAD	PFS ASSOCIATES PARTNERSHIP
SAS-1722	FAIRFIELD	2060 POST ROAD	PFS ASSOCIATES PARTNERSHIP
SAS-1723	FAIRFIELD	2050 POST ROAD	PFS ASSOCIATES PARTNERSHIP
SAS-1724	FAIRFIELD	2000 POST ROAD	PFS ASSOCIATES PARTNERSHIP
SAS-1725	FAIRFIELD	1996 POST ROAD	PFS ASSOCIATES PARTNERSHIP
SAS-1726	FAIRFIELD	1974 POST ROAD	LOVEGROVE SHARON KEELEY 1/2; STEWART JAMES B & ET AL
SAS-1727	FAIRFIELD	1964 POST ROAD	J & K KIM, LLC
SAS-1728	FAIRFIELD	1954 POST ROAD	BOK JAMES SHERWOOD & BONNIE A
SAS-1729	FAIRFIELD	1916 POST ROAD	1916 POST ROAD ASSOCIATES,LLC
SAS-1730	FAIRFIELD	1902 POST ROAD	FRATTAROLI NICHOLAS
SAS-1731	FAIRFIELD	1886 POST ROAD	NJF POST PROPERTIES LLC
SAN-1645	FAIRFIELD	74 LINWOOD AVENUE	74 LINWOOD AVENUE LLC
SAN-1646	FAIRFIELD	58 LINWOOD AVENUE	CZAPLA BRUCE
SAN-1647	FAIRFIELD	46 LINWOOD AVENUE	THOMAS ELLEN 1/2 & MCCARTHY CAROL 1/2
SAN-1648	FAIRFIELD	38 LINWOOD AVENUE	COARSE THOMAS F JR
SAN-1649	FAIRFIELD	20 LINWOOD AVENUE	CZAPLA BRUCE
SAN-1650	FAIRFIELD	85 MILL PLAIN ROAD	85 POND MILL, LLC -- C/O FISCHELL PROPERTIES
SAN-1651	FAIRFIELD	75 MILL PLAIN ROAD	FAIRFIELD TOWN OF

Map Legend

- Proposed Single Circuit Transmission Line Structure
- Existing Bonnet To Be Removed
- Proposed Centerline of Rebuilt 115-kV Line
- Existing CTDOT Corridor Boundary
- Proposed UI Permanent Easement
- Existing Transmission Structure to Remain
- Proposed Work Pad
- Proposed Temporary Access Road Centerline
- National or State Historic Resource Area
- Community Facility
- Parcel Boundary
- FEMA 100-Year Floodplain
- FEMA 500-Year Floodplain
- 10ft Contour
- Tree Clearing*
- CT DEEP Coastal Area

Fairfield Zoning

- A
- B
- DCD
- DI

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

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NAD 1983 (2011) State Plane Connecticut FIPS 0600 (US Feet)
Linear Units: Foot US

Revised: 9/27/2022

N

0 50 100 Feet

1" = 100'

UI AVANGRID

Westwood

FAIRFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-KV REBUILD PROJECT
Mapsheet 8 of 29 – Owner/Direct Abutter List

Line List Number	Town/City	Site Address	Owner Name
SAN-1651	FAIRFIELD	75 MILL PLAIN ROAD	FAIRFIELD TOWN OF
SAN-1652	FAIRFIELD	195 UNQUOWA ROAD	FAIRFIELD TOWN OF
SAS-1732	FAIRFIELD	1860 POST ROAD	1860 POST ROAD LLC
SAS-1733	FAIRFIELD	1844 POST ROAD	1860 POST ROAD LLC
SAS-1734	FAIRFIELD	1828 POST ROAD	BOCCAROSSA STEPHEN F & SARAH S (SV)
SAS-1735	FAIRFIELD	1814 POST ROAD	BOURNE ROSE MARIE
SAS-1736	FAIRFIELD	1740 POST ROAD	INWOOD EQUITY FAIRFIELD, LLC C/O ONYX MGT
SAS-1737	FAIRFIELD	1720 POST ROAD	1720 POST ROAD LLC
SAS-1738	FAIRFIELD	1700 POST ROAD	HERITAGE SQUARE,LLC C/O PYRAMID REAL ESTSYR GROUP
SAS-1739	FAIRFIELD	140-220 CARTER HENRY DRIVE	150 CHD LLC
SAS-1740	FAIRFIELD	55 MILLER STREET	POLLACK WESTFAIR ASSOCIATES LIMITED PART

Ludlowe Rd
Ludlowe Rd
Ludlowe Ct
Map Sheet 7
Map Sheet 8
Map Sheet 8
Map Sheet 9
A
SAN-1651
DI
SAN-1652
DCD
CDD
Mill Plain Rd
Post Rd
Thorpe St
Bungalow Ave
Carter Henry Dr
Ruane St
CT DOT Railroad Corridor
P682S
P684S
P685S
P686S
SAS-1731
SAS-1732
SAS-1733
SAS-1734
SAS-1735
SAS-1736
SAS-1737
SAS-1738
SAS-1739
SAS-1740
50ft
40ft
30ft
20ft
10ft

Map Legend

- Proposed Single Circuit Transmission Line Structure
- Existing Bonnet To Be Removed
- Proposed Centerline of Rebuilt 115-kV Line
- Existing CTDOT Corridor Boundary
- Proposed UI Permanent Easement
- Existing Transmission Structure to Remain
- Proposed Work Pad
- National or State Historic Resource Area
- Parcel Boundary
- FEMA 100-Year Floodplain
- FEMA 500-Year Floodplain
- 10ft Contour
- Tree Clearing*
- CT DEEP Coastal Area

Fairfield Zoning

- A
- CDD
- DCD
- DI

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

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N

0 50 100 Feet

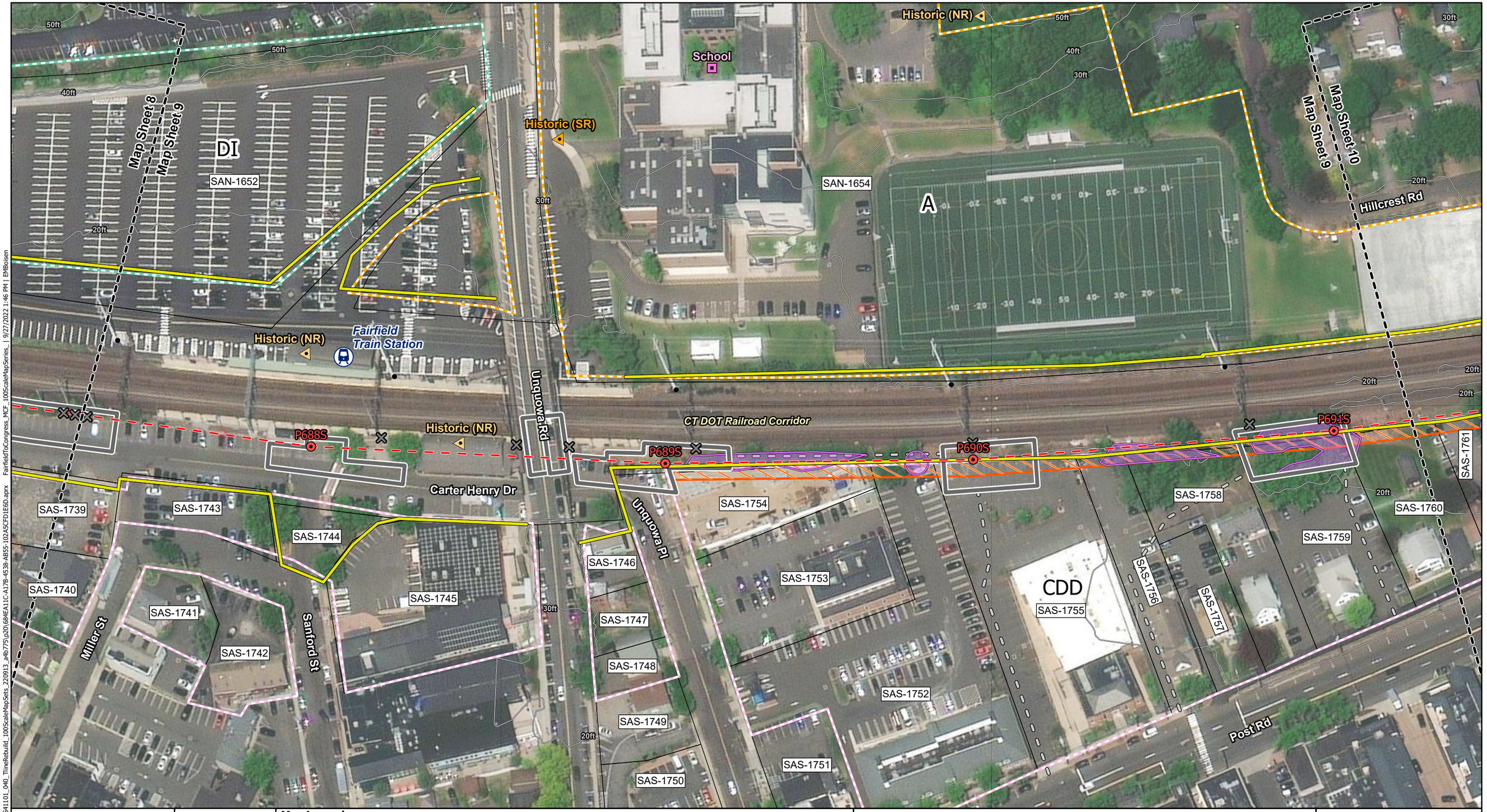
1" = 100'

UI AVANGRID

Westwood

FAIRFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-KV REBUILD PROJECT
Mapsheet 9 of 29 – Owner/Direct Abutter List

Line List Number	Town/City	Site Address	Owner Name
SAS-1741	FAIRFIELD	54 MILLER STREET	DOMBROSKI PROPERTIES,INC.
SAS-1742	FAIRFIELD	69 SANFORD STREET	SANFORD STREET,LLC
SAS-1743	FAIRFIELD	101 SANFORD STREET	FAIRFIELD TOWN OF
SAS-1744	FAIRFIELD	100 SANFORD STREET	STATE OF CONNECTICUT C/ODEPT OF TRANSPOR
SAS-1745	FAIRFIELD	70 SANFORD STREET	FAIRFIELD TOWN OF
SAS-1746	FAIRFIELD	79 UNQUOWA PLACE	JOCKO ENTERPRISES LLC
SAS-1747	FAIRFIELD	65 UNQUOWA PLACE	UNITED ILLUMINATING CO ACCOUNTS PAYABLE
SAS-1748	FAIRFIELD	53 UNQUOWA PLACE	PATTEN CORP
SAS-1749	FAIRFIELD	41 UNQUOWA PLACE	FELIS AUSTIN S TRUSTEE C/O GIA FELIS WATKINS
SAS-1750	Fairfield	1366 POST RD	FLEET NATIONAL BANK OF MASS.
SAS-1751	FAIRFIELD	1326 POST ROAD	MERCURIO BETTY R & ET AL
SAS-1752	FAIRFIELD	1280 POST ROAD	TORTORA CARMEN A FLMY LTD PTSH
SAS-1753	FAIRFIELD	50 UNQUOWA PLACE	UNQUOWA PLACE PARTNERS 50 LLC
SAS-1754	FAIRFIELD	78 UNQUOWA PLACE	FAIRFIELD STATION LOFTS LLC
SAS-1755	FAIRFIELD	1262 POST ROAD	LJG 1262 POST ROAD FAIRFIELD LLC C/O LJG PROPERTIES LLC
SAS-1756	FAIRFIELD	1248 POST ROAD	1248 POST ROAD, LLC C/O RDR MANAGEMENT, LLC
SAS-1757	FAIRFIELD	1232 POST ROAD	MATHANNA OF CONNECTICUT, LLC
SAS-1758	FAIRFIELD	1216 POST ROAD	ASSOCIATED REALTY INVESTORS, LLC
SAS-1759	FAIRFIELD	1210 POST ROAD	ASSOCIATED REALTY INVESTORS, LLC
SAS-1760	FAIRFIELD	1188 POST ROAD	ASSOCIATED REALTY INVESTORS, LLC
SAN-1652	FAIRFIELD	195 UNQUOWA ROAD	FAIRFIELD TOWN OF
SAN-1654	FAIRFIELD	200 UNQUOWA ROAD	FAIRFIELD TOWN OF



Map Legend

- Proposed Single Circuit Transmission Line Structure
- Existing Bonnet To Be Removed
- Proposed Centerline of Rebuilt 115-kV Line
- Existing CTDOT Corridor Boundary
- Proposed UI Permanent Easement
- Existing Transmission Structure to Remain
- Proposed Work Pad
- Proposed Temporary Access Road Centerline
- National or State Historic Resource Area
- Community Facility
- Train Station
- Historic (NR) Resource
- Historic (SR) Resource
- Parcel Boundary
- 10ft Contour
- Tree Clearing*

Fairfield Zoning

- A
- CDD
- DI

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

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N

0 50 100 Feet

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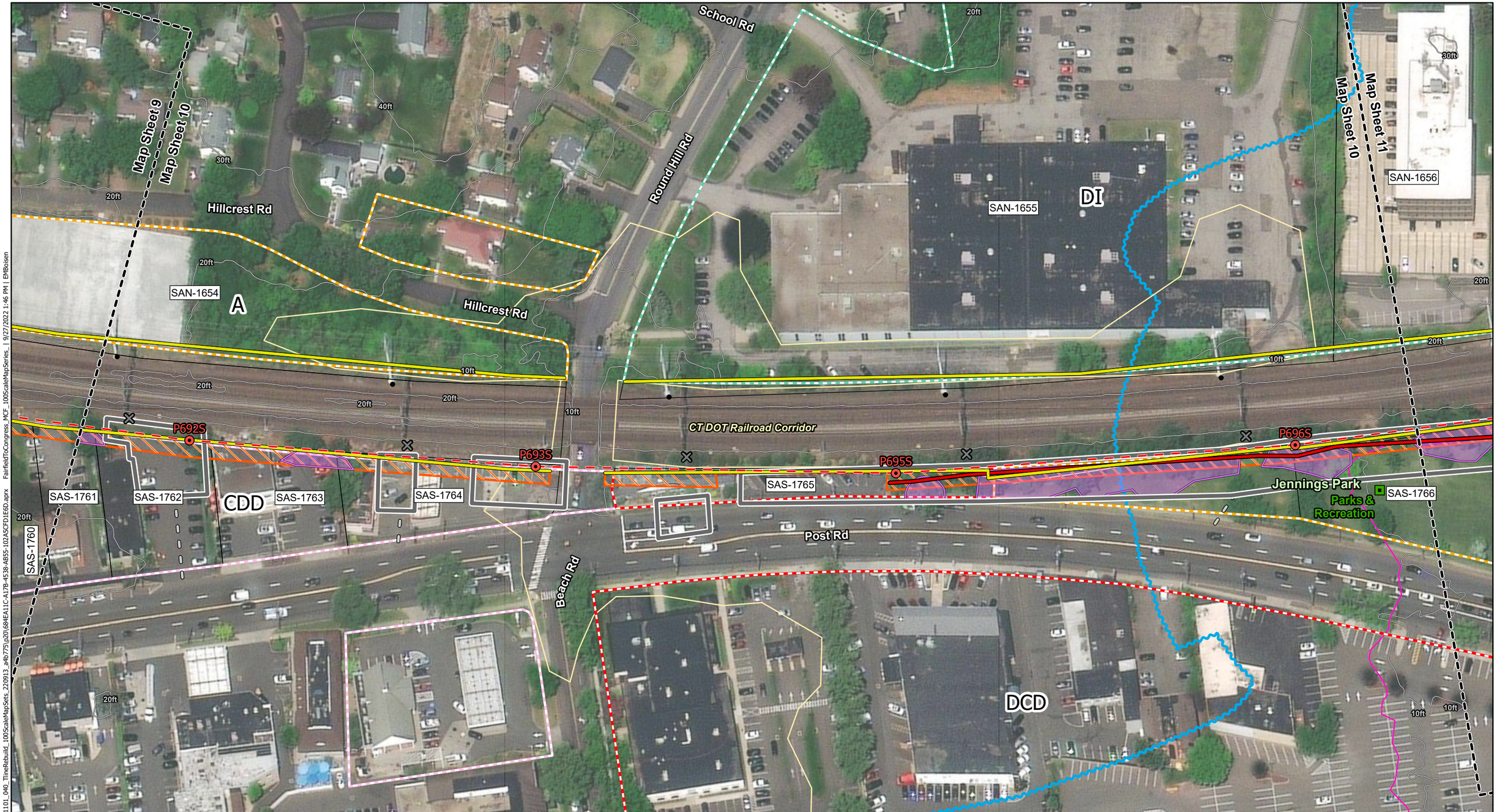
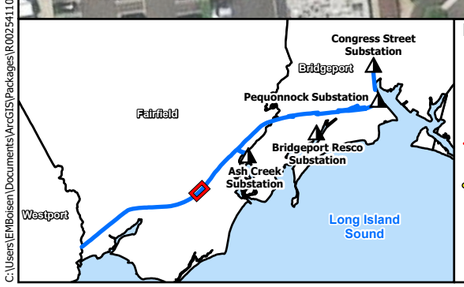
UI AVANGRID

Westwood

FAIRFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-KV REBUILD PROJECT
Mapsheet 10 of 29 – Owner/Direct Abutter List

Line List Number	Town/City	Site Address	Owner Name
SAN-1654	FAIRFIELD	200 UNQUOWA ROAD	FAIRFIELD TOWN OF
SAN-1655	FAIRFIELD	60 ROUND HILL ROAD	ROLLER BEARING CO OF AMERICA
SAN-1656	FAIRFIELD	55 WALLS DRIVE	55 WALLS DRIVE LLC - C/O R D SCINTO INC
SAS-1761	FAIRFIELD	1172 POST ROAD	1172 POST ROAD,LLC
SAS-1762	FAIRFIELD	1150 POST ROAD	IVES INVESTMENTS LLC
SAS-1763	FAIRFIELD	1132 POST ROAD	SCARSDALE PARKING TRIANGLE LLC C/O CONN REALTY TRUST
SAS-1764	FAIRFIELD	1096 POST ROAD	Global Partners LP
SAS-1765	FAIRFIELD	1028 POST ROAD	HANSENS REALTY LLC
SAS-1766	FAIRFIELD	900 POST ROAD	FAIRFIELD TOWN OF





Map Legend

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- Existing Bonnet To Be Removed
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- National or State Historic Resource Area
- Open Space Recreation Area
- Parcel Boundary
- FEMA 100-Year Floodplain
- FEMA 500-Year Floodplain
- 10ft Contour
- Tree Clearing*
- CT DEEP Coastal Area

Fairfield Zoning

- A
- CDD
- DCD
- DI

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

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0 50 100 Feet

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UI AVANGRID

Westwood

SHEET 10 OF 29

FAIRFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-KV REBUILD PROJECT
Mapsheet 11 of 29 – Owner/Direct Abutter List

Line List Number	Town/City	Site Address	Owner Name
SAS-1766	FAIRFIELD	900 POST ROAD	FAIRFIELD TOWN OF
SAS-1767	FAIRFIELD	808 POST ROAD	WIEHL ASSOCIATES LLC
SAS-1768	FAIRFIELD	42 ELIOT STREET	750 POST ROAD ASSOCIATES LLC
SAS-1769	FAIRFIELD	28 ELIOT STREET	STATE OF CONNECTICUT C/O DEPT OF TRANSPO
SAS-1770	FAIRFIELD	17 ELIOT STREET	ELIOT STREET PARTNERS,LLC
SAS-1771	FAIRFIELD	73 ELIOT STREET	ELIOT STREET PARTNERS,LLC
SAS-1772	FAIRFIELD	750 POST ROAD	750 POST ROAD ASSOCIATES LLC
SAS-1774	FAIRFIELD	1 ELIOT PLACE	RWTR 1 ELIOT LLC
SAS-1775	FAIRFIELD	696 POST ROAD	UB FAIRFIELD CENTRE, LLC
SAS-1776	FAIRFIELD	260 ELIOT STREET	MCCLINCH VIRGINIA M
SAS-1777	FAIRFIELD	1296 KINGS HIGHWAY CUTOFF	STORAGE EQUITIES INC DEPT PT-CT-20472
SAS-1778	FAIRFIELD	1160 KINGS HIGHWAY CUTOFF	INTERNATIONAL INVESTORS
SAN-1656	FAIRFIELD	55 WALLS DRIVE	55 WALLS DRIVE LLC - C/O R D SCINTO INC
SAN-1657	FAIRFIELD	25 WALLS DRIVE	25 WALLS DRIVE LLC
SAN-1658	FAIRFIELD	INTERSTATE 95	STATE OF CONNECTICUT C/O DEPT OF TRANSPO
SAN-1659	FAIRFIELD	INTERSTATE 95	STATE OF CONNECTICUT C/O DEPT OF TRANSPO

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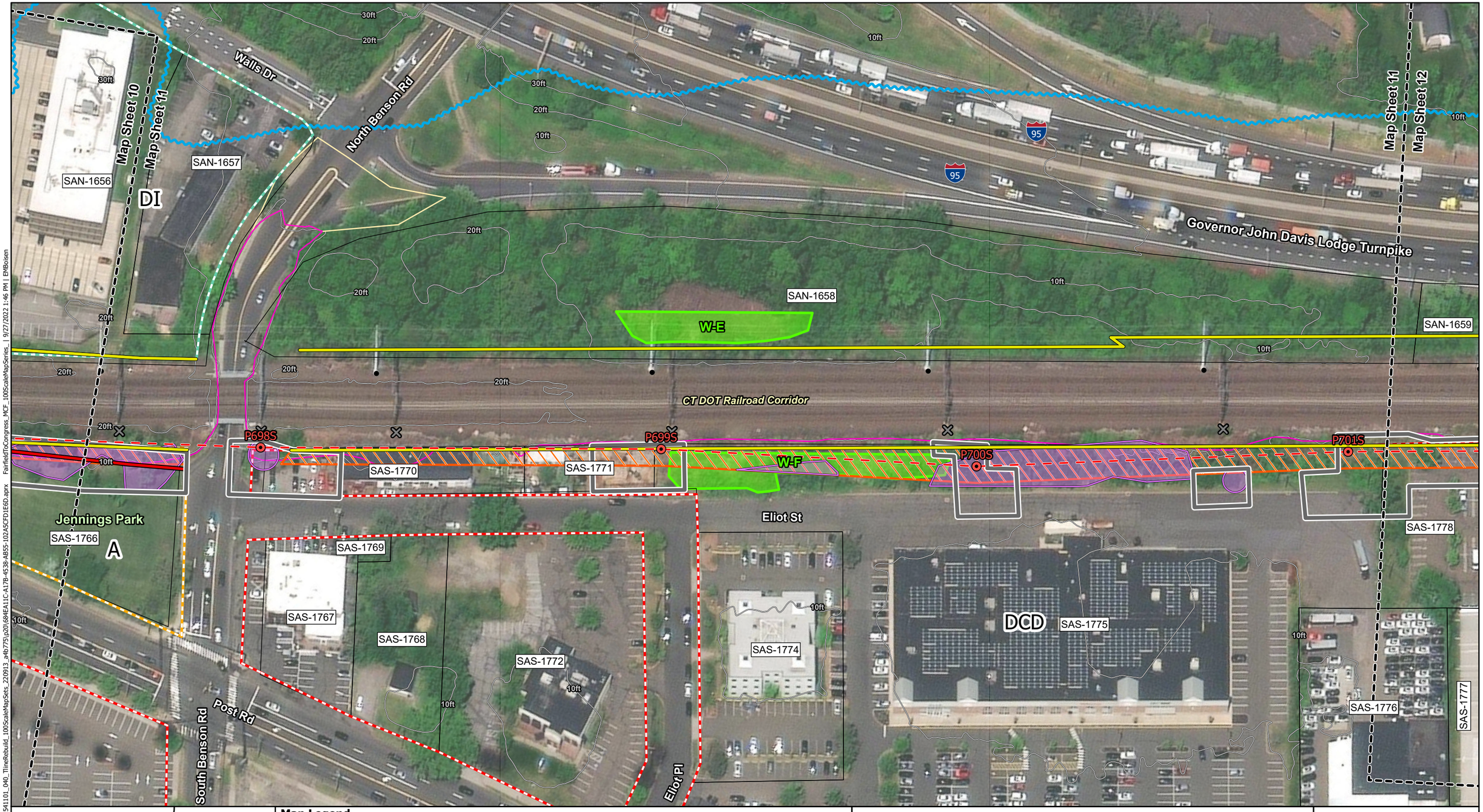

Map Legend

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- Existing Bonnet To Be Removed
- Proposed Centerline of Rebuilt 115-kV Line
- Existing CTDOT Corridor Boundary
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- National or State Historic Resource Area
- Parcel Boundary
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- Tree Clearing*
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- CT DEEP Coastal Area

Fairfield Zoning

- A
- DCD
- DI

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

*Anticipated areas of tree removal are depicted on the maps. In addition, for Project construction, other vegetation (shrubs, herbaceous species) will be removed within the limits of all proposed work areas.

Coordinate System:
NAD 1983 (2011) State Plane Connecticut FIPS 0600 (US Feet)
Linear Units: Foot US

Revised: 9/27/2022

0 50 100 Feet

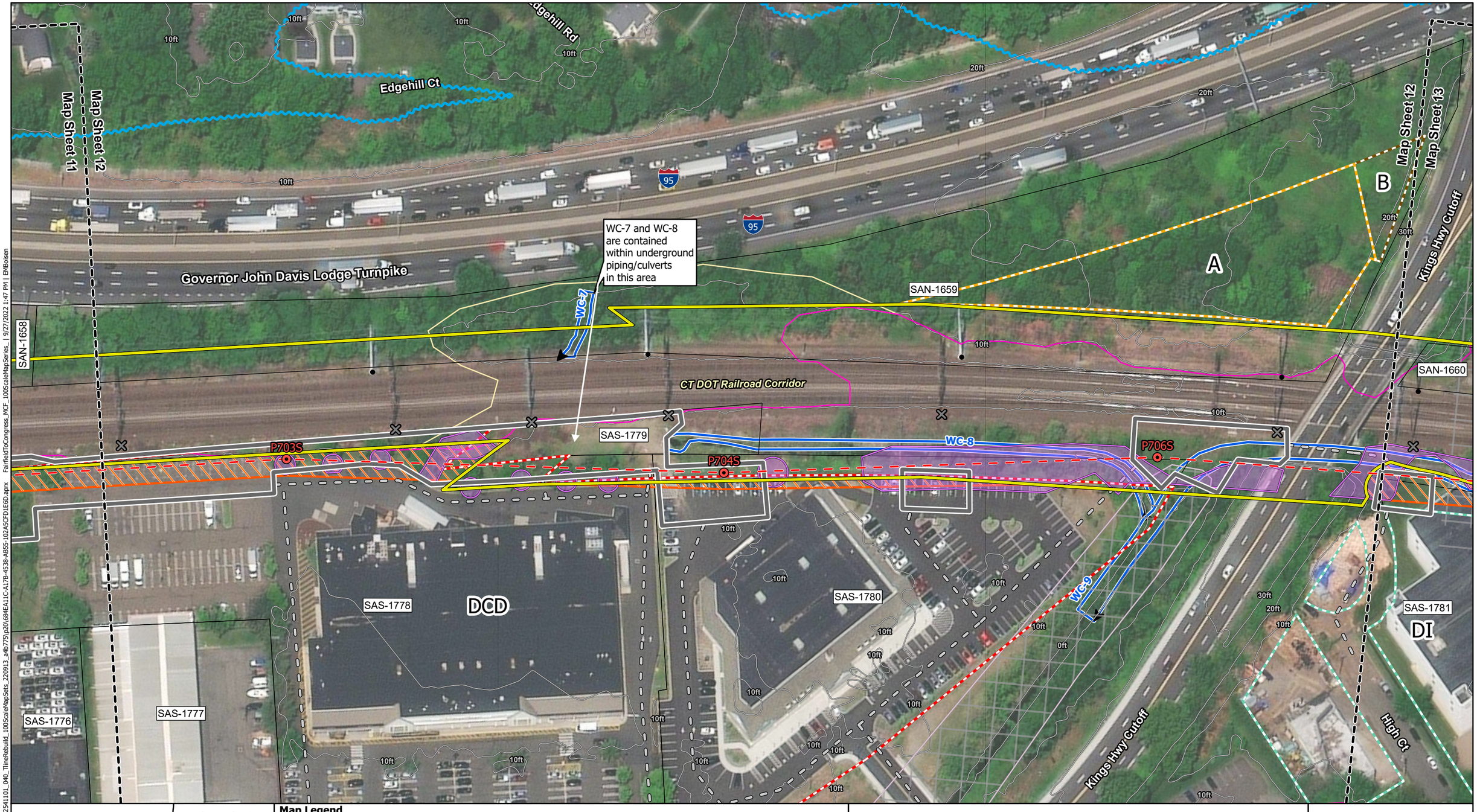
1" = 100'

UI AVANGRID

Westwood

FAIRFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-KV REBUILD PROJECT
Mapsheet 12 of 29 – Owner/Direct Abutter List

Line List Number	Town/City	Site Address	Owner Name
SAN-1659	FAIRFIELD	INTERSTATE 95	STATE OF CONNECTICUT C/O DEPT OF TRANSPO
SAS-1777	FAIRFIELD	1296 KINGS HIGHWAY CUTOFF	STORAGE EQUITIES INC DEPT PT-CT-20472
SAS-1778	FAIRFIELD	1160 KINGS HIGHWAY CUTOFF	INTERNATIONAL INVESTORS
SAS-1779	FAIRFIELD	365 ELIOT STREET	STATE OF CONNECTICUT C/O DEPT OF TRANSPO
SAS-1780	FAIRFIELD	1152 KINGS HIGHWAY CUTOFF	FAIRFIELD COMMONS LLC C/O D'ADDARIO INDU
SAS-1781	FAIRFIELD	2070 KINGS HIGHWAY	FAIRFIELD PROJECT LLC C/O ARREDONDO & CO



Map Legend

- Proposed Single Circuit Transmission Line Structure
- Existing Bonnet To Be Removed
- Proposed Centerline of Rebuilt 115-kV Line
- Existing CTDOT Corridor Boundary
- Proposed UI Permanent Easement
- Existing Transmission Structure to Remain
- Proposed Work Pad
- Proposed Temporary Access Road Centerline
- National or State Historic Resource Area
- Parcel Boundary
- FEMA Floodway
- FEMA 100-Year Floodplain
- FEMA 500-Year Floodplain
- 10ft Contour
- Tree Clearing*
- Delineated Watercourse
- CT DEEP Coastal Area

Fairfield Zoning

- A
- B
- DCD
- DI

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

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0 50 100 Feet

1" = 100'

UI AVANGRID

Westwood

SHEET 12 OF 29

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FAIRFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-KV REBUILD PROJECT
Mapsheet 13 of 29 – Owner/Direct Abutter List

Line List Number	Town/City	Site Address	Owner Name
SAS-1781	FAIRFIELD	2070 KINGS HIGHWAY	FAIRFIELD PROJECT LLC C/O ARREDONDO & CO
SAS-1782	FAIRFIELD	2058 KINGS HIGHWAY	2058-60 KING'S HIGHWAY, LLC
SAS-1783	FAIRFIELD	2046 KINGS HIGHWAY	SOTOMAYOR WILFRED & PATRICIA
SAS-1784	FAIRFIELD	2030-2032 KINGS HIGHWAY	EBRAHIM AHMED
SAS-1785	FAIRFIELD	2022 KINGS HIGHWAY	WEI HUA & ZOU FENG (SV)
SAS-1786	FAIRFIELD	2010 KINGS HIGHWAY	RAFALO KRZYSZTOF & ANETA (SV)
SAS-1787	FAIRFIELD	1990-1992 KINGS HIGHWAY	Yan Wei
SAS-1788	FAIRFIELD	1986 KINGS HIGHWAY	CHANG WEN LLC
SAS-1789	FAIRFIELD	1970 KINGS HIGHWAY	NEVERS ANNE & HENRY A (SV)
SAS-1790	FAIRFIELD	1950 KINGS HIGHWAY	GACSAL BRUCE & KOULA (SV)
SAS-1791	FAIRFIELD	118 HARRIS STREET	ROLAND HOLZBAUER
SAS-1792	FAIRFIELD	2057 KINGS HIGHWAY	ANTONICELLI PETER & GILLIS, JULIA
SAS-1793	FAIRFIELD	2037 KINGS HIGHWAY	WEINSTOCK STEVEN M & US JENNIFER S (SV)
SAS-1794	FAIRFIELD	2029 KINGS HIGHWAY	2029 KINGS HIGHWAY, LLC
SAS-1795	FAIRFIELD	2009 KINGS HIGHWAY	PAPAGEORGE WENDY T & ANGELUS (SV) & TOTH, JUDITH K & JEFFREY W (SV)
SAS-1796	FAIRFIELD	1983 KINGS HIGHWAY	GREENWALD HELEN M
SAS-1797	FAIRFIELD	1977 KINGS HIGHWAY	SMITH MICHAEL E & ANDREA N (SV)
SAS-1798	FAIRFIELD	1955 KINGS HIGHWAY	ROTOLO, BEVERLY A, TRUSTEE
SAS-1799	FAIRFIELD	1945 KINGS HIGHWAY	ROTOLO, BEVERLY A. TRUSTEE
SAS-1900	FAIRFIELD	225-231 GRASMERE AVENUE	WALTER PROSPERE & BEVERLEY A (SV)
SAS-1901	FAIRFIELD	228 GRASMERE AVENUE	RUSHDI ABDULLAH & REHANA (SV)
SAS-1902	FAIRFIELD	21 ARDMORE STREET	IBRAHIM FATEN PAVLOU MARIA TRUSTEE
SAS-1903	FAIRFIELD	41 ARDMORE STREET	CHIZMADIA ERNEST J JR & AMY D (SV)
SAS-1904	FAIRFIELD	43 ARDMORE STREET	KLEBANOV PATRICIA A &
SAS-1905	FAIRFIELD	63 ARDMORE STREET	CALLAHAN PATRICK M
SAS-1906	FAIRFIELD	75 ARDMORE STREET	TYCASS PROPERTIES LLC
SAS-1907	FAIRFIELD	89 ARDMORE STREET	89-93 ARDMORE STREET LLC
SAN-1660	FAIRFIELD	285 GRASMERE AVENUE	STATE OF CONNECTICUT -- DEPT OF TRANSPORTATION
SAN-1661	FAIRFIELD	333 GRASMERE AVENUE	HANDY & HARMAN
SAN-1662	FAIRFIELD	281 GRASMERE AVENUE	BOMBERO THOMAS F TRUSTEE
SAN-1663	FAIRFIELD	330 GRASMERE AVENUE	T-C KINGS CROSSING LLC C/O CBRE-NE 960 MAIN STREET

Map Sheet 12
Map Sheet 13
Map Sheet 14
Kings Hwy Cutoff
Chestnut St
Kings Hwy
Grasmere Ave
Ardmore St
Dalewood Ave
Churchill St
Harris St
High Ct
Plum St
CT DOT Railroad Corridor

SAN-1659
SAN-1660
SAN-1661
SAN-1662
SAN-1663
DI
DCD
B
W-G
WC-9

P708S
P709S
P710S
P710AS
P711AS

SAS-1781
SAS-1782
SAS-1783
SAS-1784
SAS-1785
SAS-1786
SAS-1787
SAS-1788
SAS-1789
SAS-1790
SAS-1791
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SAS-1794
SAS-1795
SAS-1796
SAS-1797
SAS-1798
SAS-1799
SAS-1900
SAS-1901
SAS-1902
SAS-1903
SAS-1905
SAS-1906
SAS-1907
SAS-1908

Entire Map Sheet within CT DEEP Coastal Area

Map Legend

- Proposed Single Circuit Transmission Line Structure
- Existing Bonnet To Be Removed
- Proposed Centerline of Rebuilt 115-kV Line
- Existing CTDOT Corridor Boundary
- Proposed UI Permanent Easement
- Existing Transmission Structure to Remain
- Proposed Work Pad
- Proposed Temporary Access Road Centerline
- National or State Historic Resource Area
- Parcel Boundary
- FEMA Floodway
- FEMA 100-Year Floodplain
- FEMA 500-Year Floodplain
- 10ft Contour
- Tree Clearing*
- Field Delineated Wetland
- Delineated Watercourse

Fairfield Zoning

- B
- DCD
- DI

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

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1" = 100'

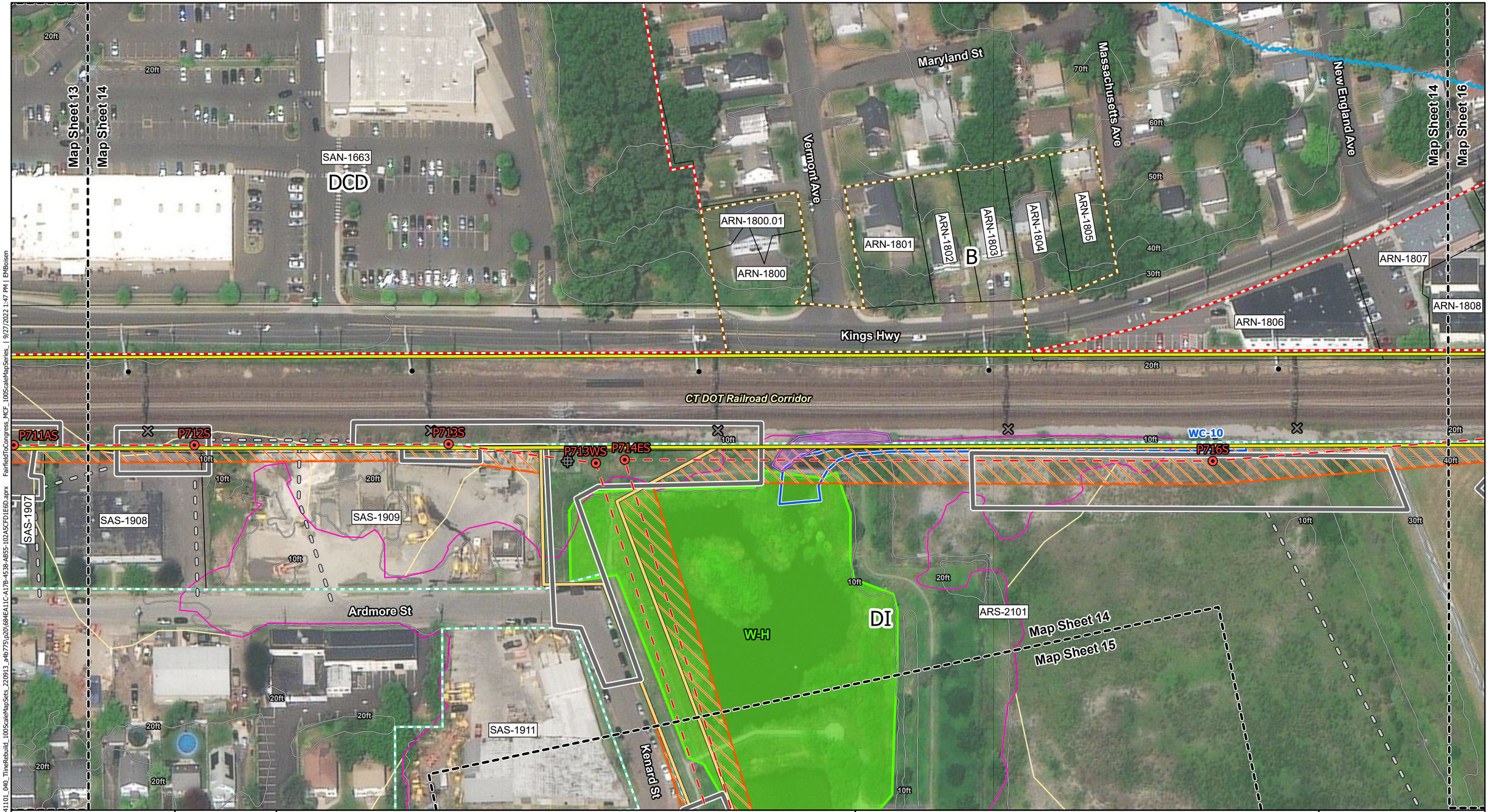
UI AVANGRID

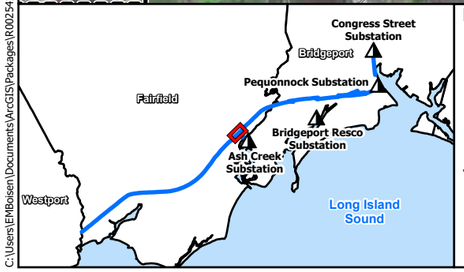
Westwood

SHEET 13 OF 29

FAIRFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-KV REBUILD PROJECT
Mapsheet 14 of 29 – Owner/Direct Abutter List

Line List Number	Town/City	Site Address	Owner Name
SAN-1663	FAIRFIELD	330 GRASMERE AVENUE	T-C KINGS CROSSING LLC C/O CBRE-NE
ARN-1800	FAIRFIELD	15 VERMONT AVENUE	LAW GARY KING & TING S
ARN-1800.01	FAIRFIELD	17 VERMONT AVENUE	CHANG ARISTO & YANDAMURI SOUYMA
ARN-1801	FAIRFIELD	10 VERMONT AVENUE	ALMANZA ANDRES A & BARRENECHEA ESPERANZA
ARN-1802	FAIRFIELD	1610 KINGS HIGHWAY	SHANNON JAMES B & NANCY D (SV)
ARN-1803	FAIRFIELD	1600 KINGS HIGHWAY	BALAN ION & ANA (SV)
ARN-1804	FAIRFIELD	1592 KINGS HIGHWAY	POWELL TAMEISHA & DAVID EULIE (SV)
ARN-1805	FAIRFIELD	23 MASSACHUSETTS AVENUE	PASCAL MARY E (LU) & AGNES P (RO)
ARN-1806	FAIRFIELD	1525 KINGS HIGHWAY	POWERSCOURT PROPERTIES LLC
ARN-1807	FAIRFIELD	1501 KINGS HIGHWAY	POWERSCOURT WESTOVER LLC
ARN-1808	FAIRFIELD	71 TIMKO STREET	CITIZENS AUTO BODY INC
ARS-2101	FAIRFIELD	219 ASH CREEK BOULEVARD	BLACKROCK REALTY LLC
SAS-1908	FAIRFIELD	107 ARDMORE STREET	FAIRFIELD ARDMORE LLC
SAS-1909	FAIRFIELD	141 ARDMORE STREET	GREENAWALT THOMAS PETER II & MOHICAN VALLEY CONCRETE CORP
SAS-1911	FAIRFIELD	145 KENWOOD AVENUE	GREENAWALT THOMAS PETER II; MARK WILLIAM & ET AL





Map Legend

- Proposed Single Circuit Transmission Line Structure
- Existing UI Lattice Tower To Be Removed
- Existing Bonnet To Be Removed
- Proposed Centerline of Rebuilt 115-kV Line
- Approximate Existing UI Easement
- Existing CTDOT Corridor Boundary
- Proposed UI Permanent Easement
- Existing Transmission Structure to Remain
- Proposed Work Pad
- Proposed Temporary Access Road Centerline
- National or State Historic Resource Area
- Parcel Boundary
- FEMA 100-Year Floodplain
- FEMA 500-Year Floodplain
- 10ft Contour
- Tree Clearing*
- Field Delineated Wetland
- Delineated Watercourse
- CT DEEP Coastal Area

Fairfield Zoning

- B
- DCD
- DI

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

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0 50 100 Feet

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UI AVANGRID

Westwood

SHEET 14 OF 29

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FAIRFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-KV REBUILD PROJECT
Mapsheet 15 of 29 – Owner/Direct Abutter List

Line List Number	Town/City	Site Address	Owner Name
SAS-1911	FAIRFIELD	145 KENWOOD AVENUE	GREENAWALT THOMAS PETER II; MARK WILLIAM & ET AL
SAS-1911.01	FAIRFIELD	170 KENWOOD AVENUE	170 KENWOOD AVENUE LLC
SAS-1912	BRIDGEPORT	67 POLAND ST	TUCKER POLAND STREET LLC
SAS-1913	BRIDGEPORT	27 POLAND ST #37	TUCKER POLAND STREET LLC
ARS-2100	BRIDGEPORT	3250 FAIRFIELD AVENUE #100	DORMAN JOHN
ARS-2101	FAIRFIELD	219 ASH CREEK BOULEVARD	BLACKROCK REALTY LLC

Map Legend

- Proposed Single Circuit Transmission Line Structure
- Substation
- Existing UI Lattice Tower To Be Removed
- Proposed Centerline of Rebuilt 115-kV Line
- Approximate Existing UI Easement
- Existing CTDOT Corridor Boundary
- Proposed UI Permanent Easement
- Proposed Work Pad
- Proposed Temporary Access Road Centerline
- National or State Historic Resource Area
- Parcel Boundary
- FEMA 100-Year Floodplain
- FEMA 500-Year Floodplain
- 10ft Contour
- Field Delineated Wetland
- Delineated Tidal Wetland
- Delineated Tidal Watercourse
- Intertidal Flats
- Natural Diversity Database Area (NDDB)

Fairfield Zoning
- DI

Bridgeport Zoning
- NX3
- P4
- RX2

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

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N
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UI AVANGRID

Westwood

SHEET 15 OF 29

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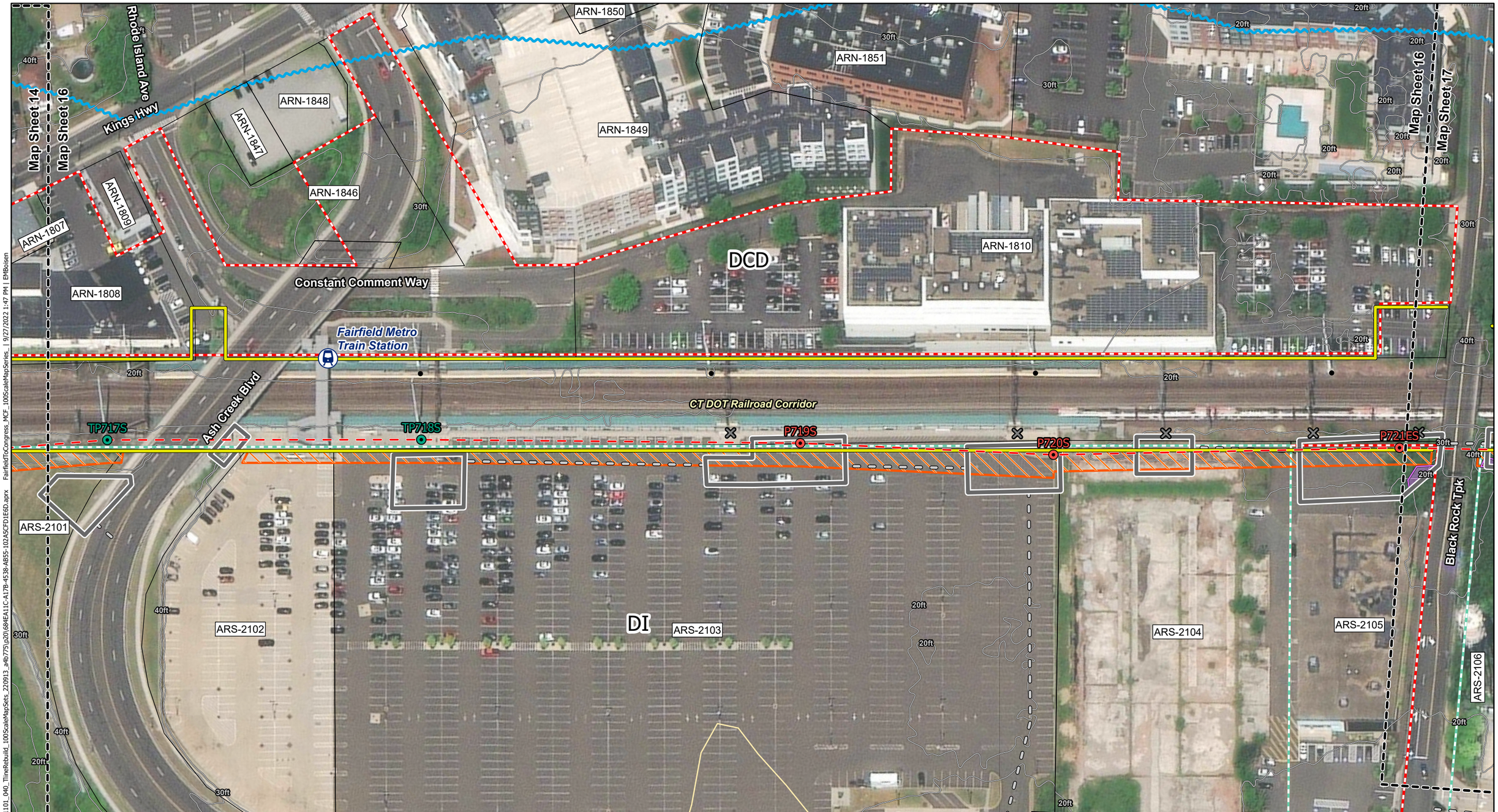
FAIRFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-KV REBUILD PROJECT
Mapsheet 16 of 29 – Owner/Direct Abutter List

Line List Number	Town/City	Site Address	Owner Name
ARS-2101	FAIRFIELD	219 ASH CREEK BOULEVARD	BLACKROCK REALTY LLC
ARS-2102	FAIRFIELD	160 ASH CREEK BOULEVARD	BLACKROCK REALTY LLC
ARS-2103	FAIRFIELD	300 ASH CREEK BOULEVARD	STATE OF CONNECTICUT
ARS-2104	FAIRFIELD	81 BLACK ROCK TURNPIKE	REINER EDWARD S TRUSTEE
ARS-2105	FAIRFIELD	111 BLACK ROCK TURNPIKE	INVEST II
ARN-1808	FAIRFIELD	71 TIMKO STREET	CITIZENS AUTO BODY INC
ARN-1809	FAIRFIELD	1475 KINGS HIGHWAY	BRUNETTO MICHAEL A & LORIE A
ARN-1810	FAIRFIELD	201 BLACK ROCK TURNPIKE	R C BIGELOW,INC
ARN-1846	FAIRFIELD	1455 KINGS HIGHWAY	State of Connecticut
ARN-1847	FAIRFIELD	1443 KINGS HIGHWAY	1427, 1436, & 1443 KINGS HIGHWAY EAST LLC
ARN-1848	FAIRFIELD	1427 KINGS HIGHWAY	1427, 1436, & 1443 KINGS HIGHWAY EAST LLC
ARN-1849	FAIRFIELD	1401 KINGS HIGHWAY	1401 KING LLC
ARN-1850	FAIRFIELD	1375 KINGS HIGHWAY	1375 KINGS HIGHWAY LLC
ARN-1851	FAIRFIELD	777 COMMERCE DRIVE	777 COMMERCE DRIVE LLC



Map Legend

- Proposed Single Circuit Transmission Line Structure
- Existing Structure to be Reconductored with OPGW
- Existing Bonnet To Be Removed
- Proposed Centerline of Rebuilt 115-kV Line
- Existing CTDOT Corridor Boundary
- Proposed UI Permanent Easement
- Existing Transmission Structure to Remain
- Proposed Work Pad
- Proposed Temporary Access Road Centerline
- National or State Historic Resource Area
- Train Station
- Parcel Boundary
- FEMA 500-Year Floodplain
- 10ft Contour
- Tree Clearing*
- CT DEEP Coastal Area

Fairfield Zoning

- DCD
- DI

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

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Westwood

SHEET 16 OF 29

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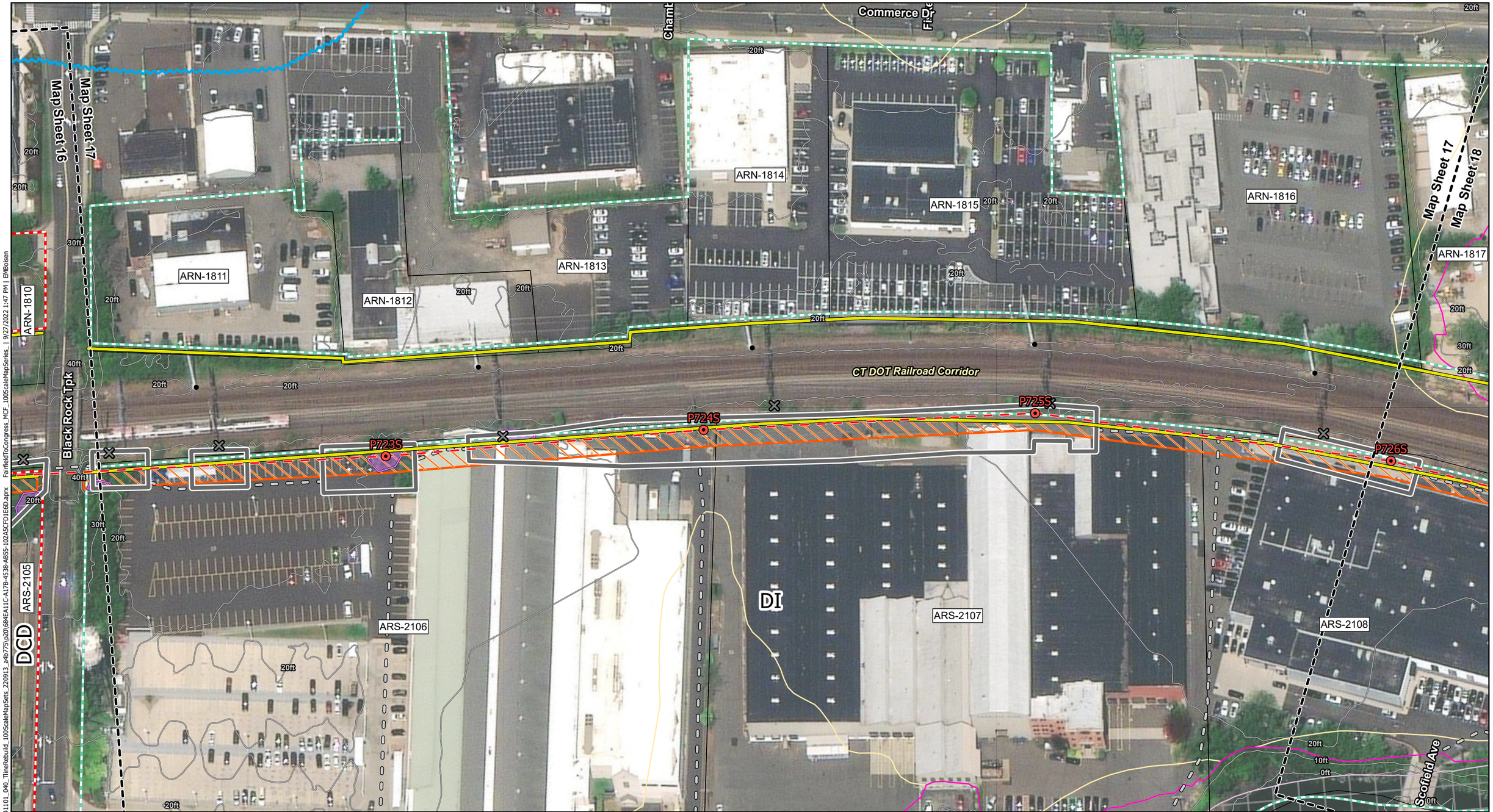
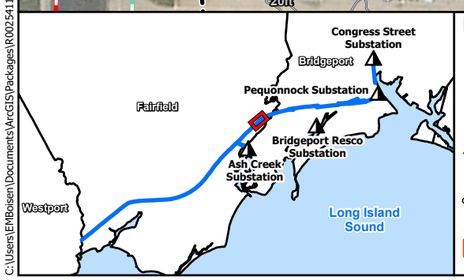
FAIRFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-KV REBUILD PROJECT
Mapsheet 17 of 29 – Owner/Direct Abutter List

Line List Number	Town/City	Site Address	Owner Name
ARS-2106	FAIRFIELD	40-40 BLACK ROCK TURNPIKE	Bullard Square Corp BJ's Wholesale Club
ARS-2107	FAIRFIELD	301 SCOFIELD AVE EXT	FEROLETO STEEL CO INC
ARS-2108	FAIRFIELD	450 SCOFIELD AVE EXT	NNN AUTO OWNER VI LLC c/o Appollo Global Management
ARN-1811	FAIRFIELD	569 COMMERCE DRIVE	CLS INVESTMENTS INC
ARN-1812	FAIRFIELD	553 COMMERCE DRIVE	STALTARO PASQUALE AND FRANCESCO A
ARN-1813	FAIRFIELD	537 COMMERCE DRIVE	STALTARO BROTHERS INC
ARN-1814	FAIRFIELD	475 COMMERCE DRIVE	CARS-DB10, L.P.
ARN-1815	FAIRFIELD	435 COMMERCE DRIVE	CARS-DB10, L.P.
ARN-1816	FAIRFIELD	357 COMMERCE DRIVE	UNITED STATES POSTAL SERVICE FACILITIES
ARN-1817	FAIRFIELD	301 COMMERCE DRIVE	GREENAWALT THOMAS P III; MARK & DONNA MA





Map Legend

- Proposed Single Circuit Transmission Line Structure
- Existing Bonnet To Be Removed
- Proposed Centerline of Rebuilt 115-kV Line
- Existing CTDOT Corridor Boundary
- Proposed UI Permanent Easement
- Existing Transmission Structure to Remain
- Proposed Work Pad
- Proposed Temporary Access Road Centerline
- National or State Historic Resource Area
- Parcel Boundary
- FEMA Floodway
- FEMA 100-Year Floodplain
- FEMA 500-Year Floodplain
- 10ft Contour
- Tree Clearing*
- CT DEEP Coastal Area

Fairfield Zoning

- DCD
- DI

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

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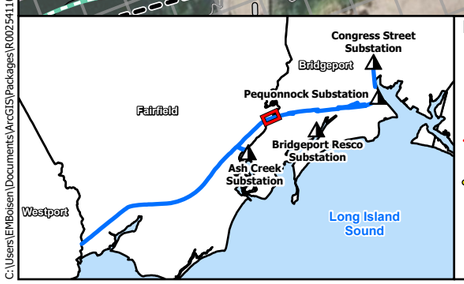
FAIRFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-KV REBUILD PROJECT
Mapsheet 18 of 29 – Owner/Direct Abutter List

Line List Number	Town/City	Site Address	Owner Name
ARS-2108	FAIRFIELD	450 SCOFIELD AVE EXT	NNN AUTO OWNER VI LLC c/o Appollo Global Management
ARS-2109	BRIDGEPORT	300 ORLAND ST	ORLAND STREET PARTNERS
ARS-2110	BRIDGEPORT	59 HUBBELL ST	GNN REALTY LLC
ARS-2110.01	BRIDGEPORT	39 HUBBELL ST	GNN REALTY INC
ARS-2111	BRIDGEPORT	56 HUBBELL ST	EDWARDS GARCIA JAMES
ARS-2112	BRIDGEPORT	69 SIEMON ST	GARCIA JAMES EDWARD, TOPAR RAYMOND K
ARN-1817	FAIRFIELD	301 COMMERCE DRIVE	GREENAWALT THOMAS P III; MARK & DONNA MA
ARN-1818	FAIRFIELD	251 COMMERCE DRIVE	251 COMMERCE DRIVE LLC
ARN-1819	FAIRFIELD	201 COMMERCE DRIVE	ZAMBARDO FAMILY LLC
ARN-1820	FAIRFIELD	165 COMMERCE DRIVE	CAR UNI CT FAIR L.L.C.
ARN-1821	FAIRFIELD	131 COMMERCE DRIVE	ARGANESE RALPH R/EST
ARN-1822	FAIRFIELD	65 COMMERCE DRIVE	ARGANESE RALPH R/EST C/O GLORIA ARGANESE
ARN-1823	BRIDGEPORT	29 CORNWALL REAR	SCHIAVONE REALTY & DEVELOPMENT CORP



Map Legend

- Proposed Single Circuit Transmission Line Structure
- Existing Bonnet To Be Removed
- Proposed Centerline of Rebuilt 115-kV Line
- Existing CTDOT Corridor Boundary
- Proposed UI Permanent Easement
- Existing Transmission Structure to Remain
- Proposed Work Pad
- Proposed Temporary Access Road Centerline
- National or State Historic Resource Area
- Parcel Boundary
- FEMA Floodway
- FEMA 100-Year Floodplain
- FEMA 500-Year Floodplain
- 10ft Contour
- Tree Clearing*
- Delineated Tidal Wetland
- Delineated Tidal Watercourse

Fairfield Zoning
- DI

Bridgeport Zoning
- MX2
- NX2
- NX3

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

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N

0 50 100 Feet

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UI AVANGRID

Westwood

SHEET 18 OF 29

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UI FAIRFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-KV REBUILD PROJECT
Mapsheet 19 of 29 – Owner/Direct Abutter List

Line List Number	Town/City	Site Address	Owner Name
ARN-1823	BRIDGEPORT	29 CORNWALL REAR	SCHIAVONE REALTY & DEVELOPMENT CORP
ARN-1824	BRIDGEPORT	2101 COMMERCE DR	EXTRA SPACE PROPERTIES TWO LLC, PTA-EX # 1588
ARN-1825	BRIDGEPORT	1965 COMMERCE DR	GROSS MARGARET
ARN-1826	BRIDGEPORT	1943 COMMERCE DR	BRENTWOOD EXTENSION LLC
ARN-1827	BRIDGEPORT	1901 COMMERCE DR	SANDOVAL ENTERPRISES LLC
ARN-1828	BRIDGEPORT	1859 COMMERCE DR	BRESKY DONALD R TRUSTEE UNDER THE DONALD R BRESKY LIVING TRUST (SUCC IN TRUST)
ARS-2113	BRIDGEPORT	70 SIEMON ST	GOMBOS ALAN J
ARS-2114	BRIDGEPORT	83 BRYANT ST	Alan J Gombos
ARS-2114.01	BRIDGEPORT	71 BRYANT ST	JOHN NAGY SR
ARS-2115	BRIDGEPORT	84 BRYANT ST	GALEMBA LEON
ARS-2116	BRIDGEPORT	118 BURR CT	118 BURR COURT LLC
ARS-2117	BRIDGEPORT	35 BURR CT	BRIDGEPORT TOOL & DIE CORP
ARS-2117.01	BRIDGEPORT	99 BURR RD #101	99-101 BURR ROAD LLC
ARS-2117.02	BRIDGEPORT	83 BURR RD #85	83-85 BURR ROAD LLC

Map Legend

- Proposed Single Circuit Transmission Line Structure
- Existing Structure to be Reconductored with OPGW
- Existing Bonnet To Be Removed
- Existing Steel Pole Top To Be Removed & Capped
- Proposed Centerline of Rebuilt 115-kV Line
- Existing CTDOT Corridor Boundary
- Proposed UI Permanent Easement
- Existing Transmission Structure to Remain
- Proposed Work Pad
- Proposed Temporary Access Road Centerline
- National or State Historic Resource Area
- Parcel Boundary
- FEMA Floodway
- FEMA 100-Year Floodplain
- FEMA 500-Year Floodplain
- 10ft Contour
- Tree Clearing*
- CT DEEP Coastal Area

Bridgeport Zoning

- CX
- MX2
- NX2

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

*Anticipated areas of tree removal are depicted on the maps. In addition, for Project construction, other vegetation (shrubs, herbaceous species) will be removed within the limits of all proposed work areas.

Coordinate System:
NAD 1983 (2011) State Plane Connecticut FIPS 0600 (US Feet)
Linear Units: Foot US

Revised: 9/27/2022

N

0 50 100 Feet

1" = 100'

UI AVANGRID

Westwood

SHEET 19 OF 29

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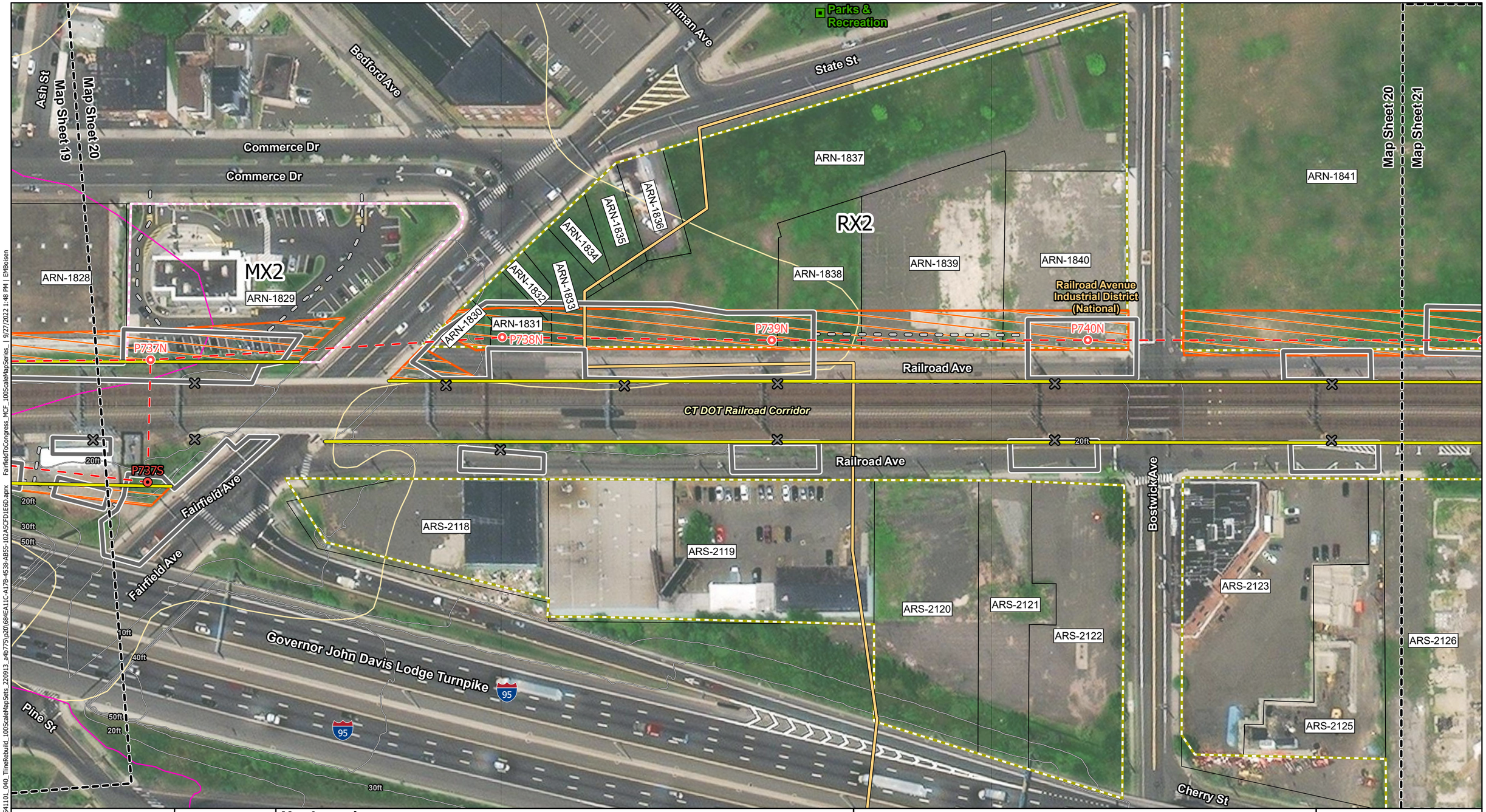
FAIRFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-KV REBUILD PROJECT
Mapsheet 20 of 29 – Owner/Direct Abutter List

Line List Number	Town/City	Site Address	Owner Name
ARS-2118	BRIDGEPORT	1625 RAILROAD AVE	BOSTWICK PARTNERS LLC
ARS-2119	BRIDGEPORT	1591 RAILROAD AVE	SIVRI REALTY LLC
ARS-2120	BRIDGEPORT	1565 RAILROAD AVE	BRIDGEPORT CITY OF
ARS-2121	BRIDGEPORT	1535 RAILROAD AVE	BOSTWICK PARTNERS LLC
ARS-2122	BRIDGEPORT	1525 RAILROAD AVE	BOSTWICK PARTNERS LLC
ARS-2123	BRIDGEPORT	1437 RAILROAD AVE	RUSCITO ANTHONY JAMES
ARS-2125	BRIDGEPORT	672 BOSTWICK	WATERS CONSTRUCTION CO INC
ARS-2126	BRIDGEPORT	471 HANCOCK AVE	O&G INDUSTRIES INC
ARN-1828	BRIDGEPORT	1859 COMMERCE DR	BRESKY DONALD R TRUSTEE UNDER THE DONALD R BRESKY LIVING TRUST (SUCC IN TRUST)
ARN-1829	BRIDGEPORT	1900 FAIRFIELD AVE	MCDONALDS CORPORATION, TREFZ CORPORATION
ARN-1830	BRIDGEPORT	1887 FAIRFIELD AVE	STATE OF CONNECTICUT DEPT OF TRANSPORTATION
ARN-1831	BRIDGEPORT	1865 FAIRFIELD AVE	BOSTWICK PARTNERS LLC
ARN-1832	BRIDGEPORT	1863 FAIRFIELD AVE	BOSTWICK PARTNERS LLC
ARN-1833	BRIDGEPORT	1857 FAIRFIELD AVE	BOSTWICK PARTNERS LLC
ARN-1834	BRIDGEPORT	1851 FAIRFIELD AVE	BOSTWICK PARTNERS LLC
ARN-1835	BRIDGEPORT	1835 FAIRFIELD AVE	BOSTWICK PARTNERS LLC
ARN-1836	BRIDGEPORT	1815 STATE ST	BOSTWICK PARTNERS LLC
ARN-1837	BRIDGEPORT	1759 COMMERCE DR	BOSTWICK PARTNERS LLC
ARN-1838	BRIDGEPORT	1550 RAILROAD AVE	BOSTWICK PARTNERS LLC
ARN-1839	BRIDGEPORT	1524 RAILROAD AVE	BOSTWICK PARTNERS LLC
ARN-1840	BRIDGEPORT	1492 RAILROAD AVE	BOSTWICK PARTNERS LLC
ARN-1841	BRIDGEPORT	1575 STATE ST	BOSTWICK PARTNERS LLC



Map Legend

- Proposed Single Circuit Transmission Line Structure
- Proposed Double Circuit Transmission Line Structure
- Existing Bonnet To Be Removed
- Proposed Centerline of Rebuilt 115-kV Line
- Existing CTDOT Corridor Boundary
- Proposed UI Permanent Easement
- Proposed Work Pad
- Proposed Temporary Access Road Centerline
- National or State Historic Resource Area
- Open Space Recreation Area
- Parcel Boundary
- FEMA 100-Year Floodplain
- FEMA 500-Year Floodplain
- 10ft Contour

Bridgeport Zoning

- MX2
- RX2

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

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N

0 50 100 Feet

1" = 100'

UI AVANGRID

Westwood

SHEET 20 OF 29

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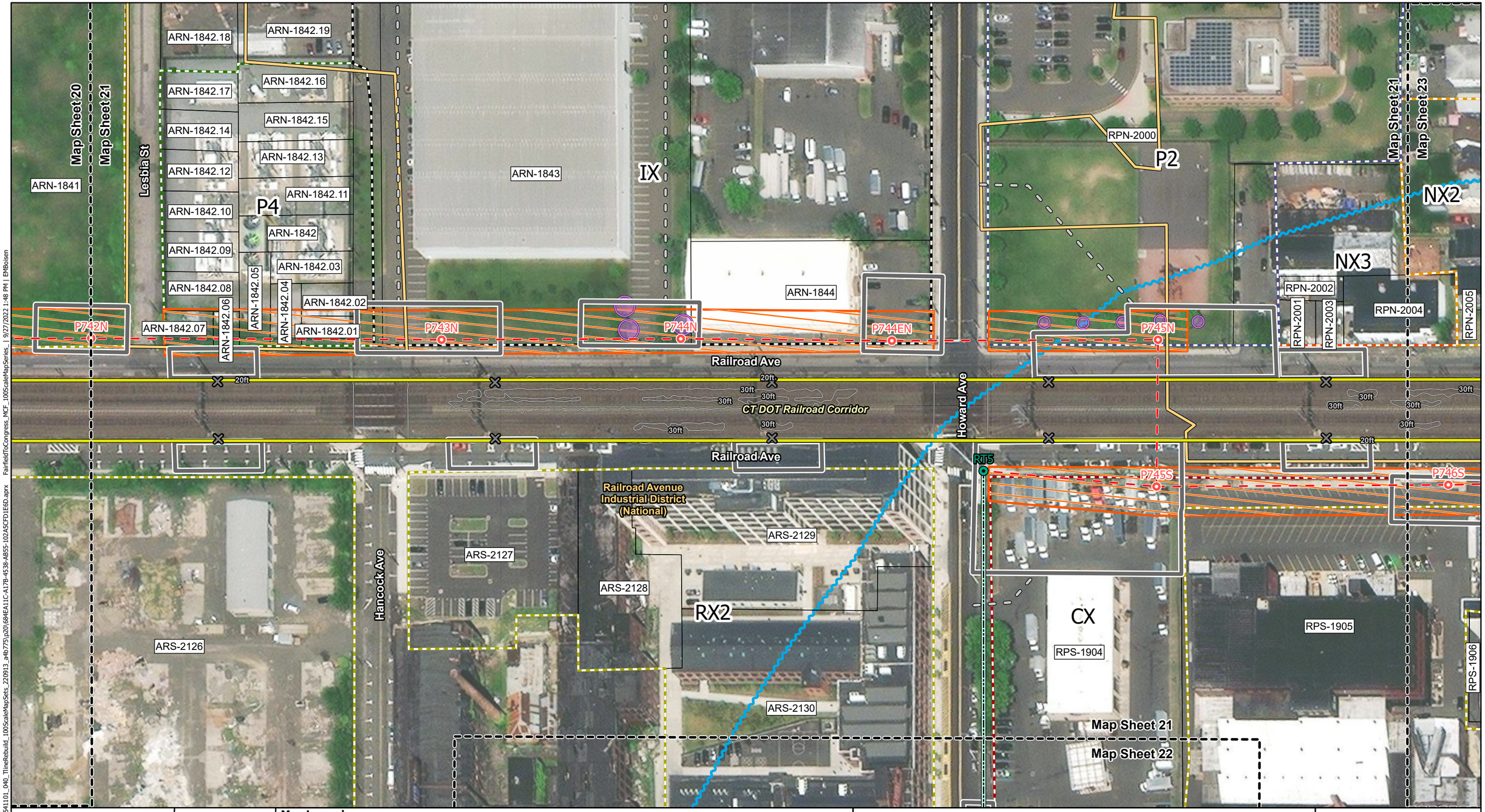
FAIRFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-KV REBUILD PROJECT
Mapsheet 21 of 29 – Owner/Direct Abutter List

Line List Number	Town/City	Site Address	Owner Name
ARN-1841	BRIDGEPORT	1575 STATE ST	BOSTWICK PARTNERS LLC
ARN-1842	BRIDGEPORT	581 HANCOCK AVE	WEST END COMMUNITY DEVELOPMENT CORPORATION
ARN-1842.01	BRIDGEPORT	557 HANCOCK RD #559	CITY OF BRIDGEPORT
ARN-1842.02	BRIDGEPORT	567 HANCOCK AVE	CITY OF BRIDGEPORT
ARN-1842.03	BRIDGEPORT	571 HANCOCK AVE #573	CITY OF BRIDGEPORT
ARN-1842.04	BRIDGEPORT	1360 RAILROAD AVE	CITY OF BRIDGEPORT
ARN-1842.05	BRIDGEPORT	1366 RAILROAD AVE	CITY OF BRIDGEPORT
ARN-1842.06	BRIDGEPORT	1372 RAILROAD AVE	GEORGE LAUZON
ARN-1842.07	BRIDGEPORT	4 LESBIA ST #6	CITY OF BRIDGEPORT
ARN-1842.08	BRIDGEPORT	14 LESBIA ST #16	CITY OF BRIDGEPORT
ARN-1842.09	BRIDGEPORT	22 LESBIA ST #24	CITY OF BRIDGEPORT
ARN-1842.10	BRIDGEPORT	28 LESBIA ST #30	WEST END COMMUNITY DEVELOPMENT CORPORATION
ARN-1842.11	BRIDGEPORT	587 HANCOCK AVE	CITY OF BRIDGEPORT
ARN-1842.12	BRIDGEPORT	38 LESBIA ST #40	CITY OF BRIDGEPORT
ARN-1842.13	BRIDGEPORT	595 HANCOCK RD	CITY OF BRIDGEPORT
ARN-1842.14	BRIDGEPORT	42 LESBIA ST #44	WEST END COMMUNITY DEVELOPMENT CORPORATION
ARN-1842.15	BRIDGEPORT	603 HANCOCK AVE	CITY OF BRIDGEPORT
ARN-1842.16	BRIDGEPORT	611 HANCOCK AVE	CITY OF BRIDGEPORT
ARN-1842.17	BRIDGEPORT	52 LESBIA ST #54	WEST END COMMUNITY DEVELOPMENT CORPORATION
ARN-1842.18	BRIDGEPORT	62 LESBIA ST #76	CITY OF BRIDGEPORT
ARN-1842.19	BRIDGEPORT	623 HANCOCK AVE	CITY OF BRIDGEPORT
ARN-1843	BRIDGEPORT	1435 STATE ST	BRIDGEPORT CITY OF BRIDGEPORT FIELDS LLC
ARN-1844	BRIDGEPORT	485 HOWARD AVE	BRIDGEPORT CITY OF
ARS-2126	BRIDGEPORT	471 HANCOCK AVE	O&G INDUSTRIES INC
ARS-2127	BRIDGEPORT	1341 RAILROAD AVE	HANCOCK AVE CORP
ARS-2128	BRIDGEPORT	1325 RAILROAD AVE	HANCOCK AVENUE PARTNERS LLC
ARS-2129	BRIDGEPORT	1289 RAILROAD AVE	RAILROAD AVENUE LOFTS LLC
ARS-2130	BRIDGEPORT	375 HOWARD AVE	72 CHERRY STREET ASSOCIATES, KEN FELIS
RPS-1904	BRIDGEPORT	410 HOWARD AVE	RYDER TRUCK RENTAL INC, PROPERTY TAX DEPT
RPS-1905	BRIDGEPORT	1155 RAILROAD AVE	BRIDGEPORT RENAISSANCE LLC, c/o HIDEN
RPN-2000	BRIDGEPORT	606 HOWARD AVE	BRIDGEPORT REDEVELOPMENT AGENCY
RPN-2001	BRIDGEPORT	1148 RAILROAD AVE	COLORADO PROPERTY INVESTMENT LLC
RPN-2002	BRIDGEPORT	12 COLORADO AVE	COLORADO PROPERTY INVESTMENT LLC
RPN-2003	BRIDGEPORT	1146 RAILROAD AVE	COLORADO PROPERTY INVESTMENT LLC
RPN-2004	BRIDGEPORT	1108 RAILROAD AVE	COLORADO PROPERTY INVESTMENT LLC



Map Legend

- Proposed Single Circuit Transmission Line Structure
- Proposed Double Circuit Transmission Line Structure
- Existing Structure to be Reconductored with OPGW
- Existing Bonnet To Be Removed
- Proposed Centerline of Rebuilt 115-kV Line
- Existing CTDOT Corridor Boundary
- Proposed UI Permanent Easement
- Proposed Overhead Fiber Optic (OPGW)
- Proposed Work Pad
- Proposed Temporary Access Road Centerline
- National or State Historic Resource Area
- Parcel Boundary
- 10ft Contour
- Tree Clearing*
- CT DEEP Coastal Area

Bridgeport Zoning

- CX
- NX2
- NX3
- P2
- P4
- RX2
- IX

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

*Anticipated areas of tree removal are depicted on the maps. In addition, for Project construction, other vegetation (shrubs, herbaceous species) will be removed within the limits of all proposed work areas.

Coordinate System:
NAD 1983 (2011) State Plane Connecticut FIPS 0600 (US Feet)
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Revised: 9/27/2022

N

0 50 100 Feet

1" = 100'

UI AVANGRID

Westwood

SHEET 21 OF 29

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FAIRFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-KV REBUILD PROJECT
Mapsheet 22 of 29 – Owner/Direct Abutter List

Line List Number	Town/City	Site Address	Owner Name
ARS-2131	BRIDGEPORT	200 PINE ST	AJ RICHARD & SONS INC
ARS-2132	BRIDGEPORT	241 PINE ST	AJ RICHARD & SONS INC
ARS-2133	BRIDGEPORT	225 HOWARD AVE	EMERALD LAKE HOLDINGS INC
ARS-2134	BRIDGEPORT	220 HANCOCK AVE	WHEELABRATOR CEDAR CREEK INC
ARS-2135	BRIDGEPORT	95 HOWARD AVE	CONNECTICUT RESOURCES
RPS-1900	BRIDGEPORT	92 HOWARD AVE	MAT CONSTRUCTION LLC
RPS-1901	BRIDGEPORT	152 HOWARD AVE	PARK CITY DEVELOPMENTVE LLC
RPS-1902	BRIDGEPORT	35 SPRUCE ST	ENVIRO EXPRESS INC
RPS-1903	BRIDGEPORT	39 PINE ST	SOUTHERN CONNECTICUT GAS CO, ATTN LOCAL TAX

RPS-1905
Map Sheet 21
Map Sheet 22
RPS-1904
CX
North Frontage St
Governor John Davis Lodge Turnpike
School
Railroad Avenue Industrial District (National)
RX2
ARS-2130
Cherry St
ARS-2131
ARS-2132
I
RPS-1903
RPS-1902
RPS-1901
RPS-1900
ARS-2133
ARS-2134
ARS-2135
P4
Howard Ave
Pine St
Wordin Ave
Resco Substation
RT1
RT2
RT3
RT4
95
10ft
20ft
30ft

Map Legend

- Proposed Single Circuit Transmission Line Structure
- Existing Structure to be Reconductored with OPGW
- Substation
- Proposed Centerline of Rebuilt 115-kV Line
- Existing CTDOT Corridor Boundary
- Proposed Overhead Fiber Optic (OPGW)
- Proposed Work Pad
- Proposed Temporary Access Road Centerline
- National or State Historic Resource Area
- Community Facility
- Parcel Boundary
- FEMA 100-Year Floodplain
- 10ft Contour
- CT DEEP Coastal Area

Bridgeport Zoning

- CX
- P4
- RX2

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

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N

0 50 100 Feet

1" = 100'

UI AVANGRID

Westwood

SHEET 22 OF 29

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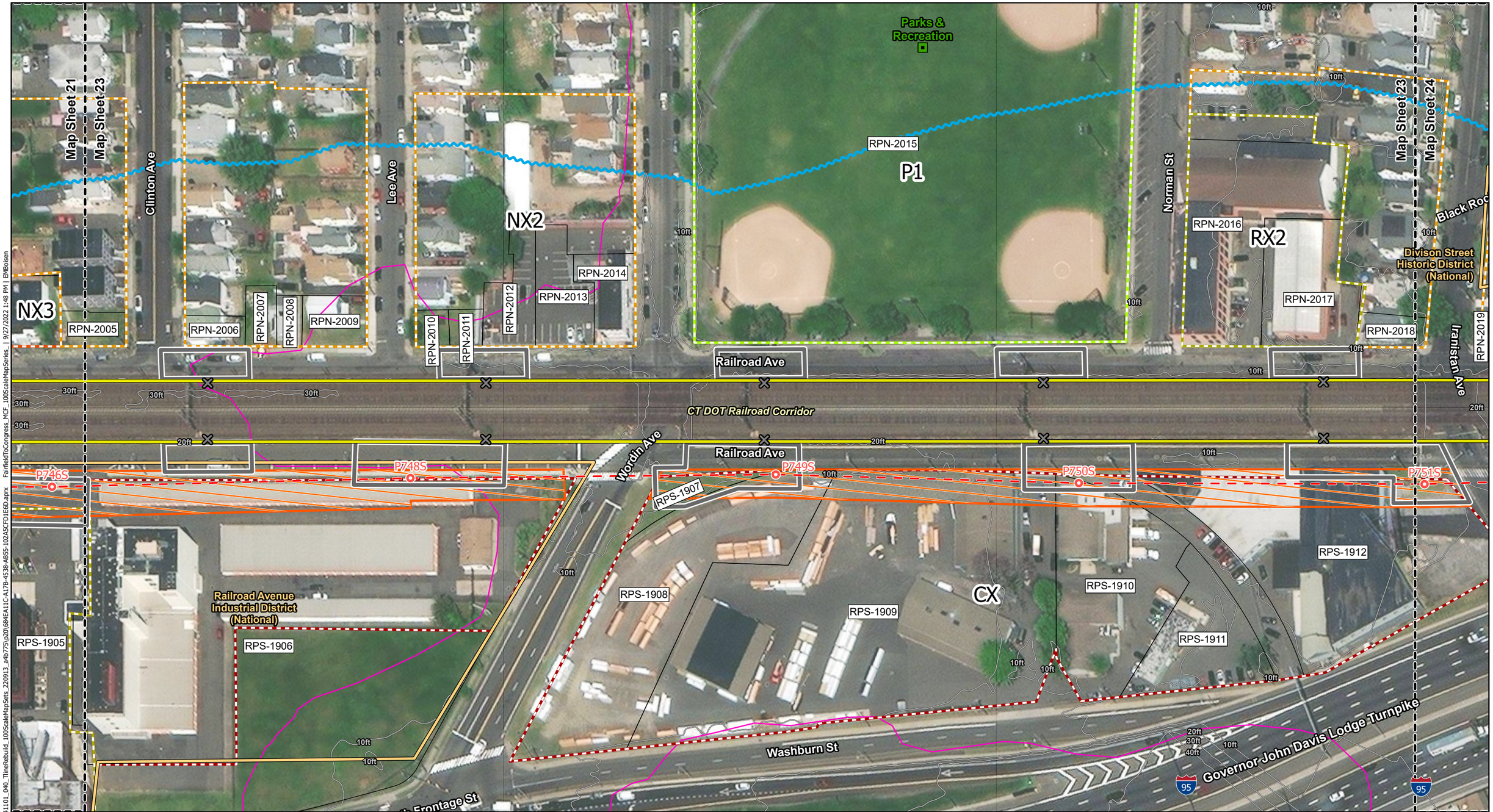
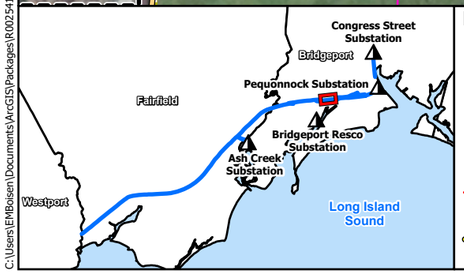
FAIRFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-KV REBUILD PROJECT
Mapsheet 23 of 29 – Owner/Direct Abutter List

Line List Number	Town/City	Site Address	Owner Name
RPS-1905	BRIDGEPORT	1155 RAILROAD AVE	BRIDGEPORT RENAISSANCE LLC, c/o HIDEN
RPS-1906	BRIDGEPORT	1087 RAILROAD AVE	PS PROPERTIES ADVISORS INC, DEPT-PT-CT-27013
RPS-1907	BRIDGEPORT	276 WORDIN AVE	CONNECTICUT RESOURCES
RPS-1908	BRIDGEPORT	286 WORDIN AVE	CLARKSON ANN SHAW & SARGENT H
RPS-1909	BRIDGEPORT	120 WASHBURN ST	CLARKSON ANN SHAW AND SHAW SARGENT H AND CUYLER EATON
RPS-1910	BRIDGEPORT	56 WASHBURN ST	WEST END LUMBER COMPANY
RPS-1911	BRIDGEPORT	56 WASHBURN ST	BAUM LIMITED PARTNERSHIP
RPS-1912	BRIDGEPORT	32 WASHBURN ST	54 WASHBURN STREET LLC
RPN-2005	BRIDGEPORT	1 CLINTON AVE	NIEVES PAUL
RPN-2006	BRIDGEPORT	2 CLINTON AVE	MALDONADA ADA G
RPN-2007	BRIDGEPORT	1060 RAILROAD AVE	JANNEH MARIAMA AND MAMADOU
RPN-2008	BRIDGEPORT	1054 RAILROAD AVE	JANNEH MARIAMA AND MAMADOU
RPN-2009	BRIDGEPORT	5 LEE AVE	KEY KRYSTAL D, MATTHEW H L MAYO
RPN-2010	BRIDGEPORT	1024 RAILROAD AVE	PLANAS HERMINIO
RPN-2011	BRIDGEPORT	1016 RAILROAD AVE	PLANAS HERMINIO
RPN-2012	BRIDGEPORT	1008 RAILROAD AVE	D TORRES LLC, OSWALDO TORRES
RPN-2013	BRIDGEPORT	1000 RAILROAD AVE	D TORRES LLC
RPN-2014	BRIDGEPORT	982 RAILROAD AVE	980 RAILROAD AVENUE LLC
RPN-2015	BRIDGEPORT	120 WORDIN AVE	BRIDGEPORT CITY OF PARK DEPT
RPN-2016	BRIDGEPORT	34 NORMAN ST	NORMAN STREET ASSOCIATES LLC
RPN-2017	BRIDGEPORT	828 RAILROAD AVE	NORMAN STREET ASSOCIATES LLC
RPN-2018	BRIDGEPORT	619 IRANISTAN AVE #621	CABRERA-ASTUDILLO KLEBER O





Map Legend

- Proposed Single Circuit Transmission Line Structure
- Proposed Double Circuit Transmission Line Structure
- Existing Bonnet To Be Removed
- Proposed Centerline of Rebuilt 115-kV Line
- Existing CTDOT Corridor Boundary
- Proposed UI Permanent Easement
- Proposed Work Pad
- National or State Historic Resource Area
- Open Space Recreation Area
- Parcel Boundary
- FEMA 100-Year Floodplain
- 10ft Contour
- CT DEEP Coastal Area

Bridgeport Zoning

- CX
- NX2
- NX3
- P1
- RX2

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

*Anticipated areas of tree removal are depicted on the maps. In addition, for Project construction, other vegetation (shrubs, herbaceous species) will be removed within the limits of all proposed work areas.

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Revised: 9/27/2022

N

0 50 100 Feet

1" = 100'

UI AVANGRID

Westwood

FAIRFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-KV REBUILD PROJECT
Mapsheet 24 of 29 – Owner/Direct Abutter List

Line List Number	Town/City	Site Address	Owner Name
RPN-2019	BRIDGEPORT	790 RAILROAD AVE #792	DOS JAY LLC
RPN-2020	BRIDGEPORT	778 RAILROAD AVE #780	USZKIEWICZ ADAM
RPN-2021	BRIDGEPORT	770 RAILROAD AVE	TREFZ MANAGEMENT CO INC
RPN-2022	BRIDGEPORT	756 RAILROAD AVE #766	TREFZ MANAGEMENT CO INC
RPN-2023	BRIDGEPORT	746 RAILROAD AVE #750	LOMBARDI KENNETH G
RPN-2024	BRIDGEPORT	740 RAILROAD AVE	RR AVE LLC
RPN-2025	BRIDGEPORT	722 RAILROAD AVE #728	RR AVE LLC
RPN-2026	BRIDGEPORT	225 BLACK ROCK AVE	CALZONE BROTHERS PARTNERSHIP
RPN-2027	BRIDGEPORT	188 GARDEN ST	NEW BEGINNINGS FAMILY, C/O ACADEMY INC
RPN-2028	BRIDGEPORT	141 GARDEN ST	NEW BEGINNINGS FAMILY, C/O ACADEMY INC
RPN-2029	BRIDGEPORT	127 GARDEN ST	BRIDGEPORT CITY OF HOUSING AUTHORITY
RPS-1913	BRIDGEPORT	600 Iranistan Ave	720 South Ave LLC
RPS-1916	BRIDGEPORT	455 IRANISTAN AVE	IRANSITAN AVE VENTURE LLC, ATTN KEVIN R LLOYD
RPS-1917	BRIDGEPORT	400 IRANISTAN AVE	HOUSING AUTHORITY CITY OF BPT
RPS-1918	BRIDGEPORT	478 IRANISTAN AVE	NUNES MARIA THERESA & MARIA FRANCESCA NUNES
RPS-1919	BRIDGEPORT	500 IRANISTAN AVE	NUNES JOSE M & MARIA F NUNES, (SURVIVOR OF THEM)
RPS-1920	BRIDGEPORT	824 SOUTH AVE	NUNES MARIA THERESA & MARIA FRANCESCA NUNES
RPS-1921	BRIDGEPORT	840 SOUTH AVE	NUNES MARIA THERESA & MARIA FRANCESCA NUNES
RPS-1922	BRIDGEPORT	816 SOUTH AVE	816 SOUTH AVE LLC, c/o ANTHONY CAPASSO
RPS-1923	BRIDGEPORT	750 SOUTH AVE	L. HERMAN LAVIT COMPANY, INC
RPS-1926	BRIDGEPORT	400 IRANISTAN AVE	HOUSING AUTHORITY CITY OF BPT

Work Pads on Railroad Ave are underneath the overpass.

Map Sheet 23
Map Sheet 24
Map Sheet 24
Map Sheet 25
Black Rock Ave
Divison Street Historic District (National)
Gouse St
Garden St
Day Care
Railroad Ave
Railroad Ave
CT DOT Railroad Corridor
Iranistan Ave
Washburn St (Under)
Iranistan Ave (Under)
Admiral St
South Ave
Columbia St
Johnson St
Governor John Davis Lodge Turnpike
95
95

NX2
CX
NX3
RX2

RPN-2018
RPN-2019
RPN-2020
RPN-2021
RPN-2022
RPN-2023
RPN-2024
RPN-2025
RPN-2026
RPN-2027
RPN-2028
RPN-2029
RPS-1912
RPS-1913
RPS-1916
RPS-1917
RPS-1918
RPS-1919
RPS-1920
RPS-1921
RPS-1922
RPS-1923
RPS-1926

P751S
P752N
P752S
P753S
P754NO
P755SO
P756N
P756S

10ft
20ft

Map Legend

- Proposed Single Circuit Transmission Line Structure
- Proposed Double Circuit Transmission Line Structure
- Existing Structure to be Reconductored with OPGW
- Existing Bonnet To Be Removed
- Proposed Centerline of Rebuilt 115-kV Line
- Existing CTDOT Corridor Boundary
- Proposed UI Permanent Easement
- Proposed Work Pad
- Proposed Temporary Access Road Centerline
- National or State Historic Resource Area
- Community Facility
- Parcel Boundary
- FEMA 100-Year Floodplain
- 10ft Contour
- CT DEEP Coastal Area

Bridgeport Zoning
- CX
- NX2
- NX3
- RX2

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

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Westwood

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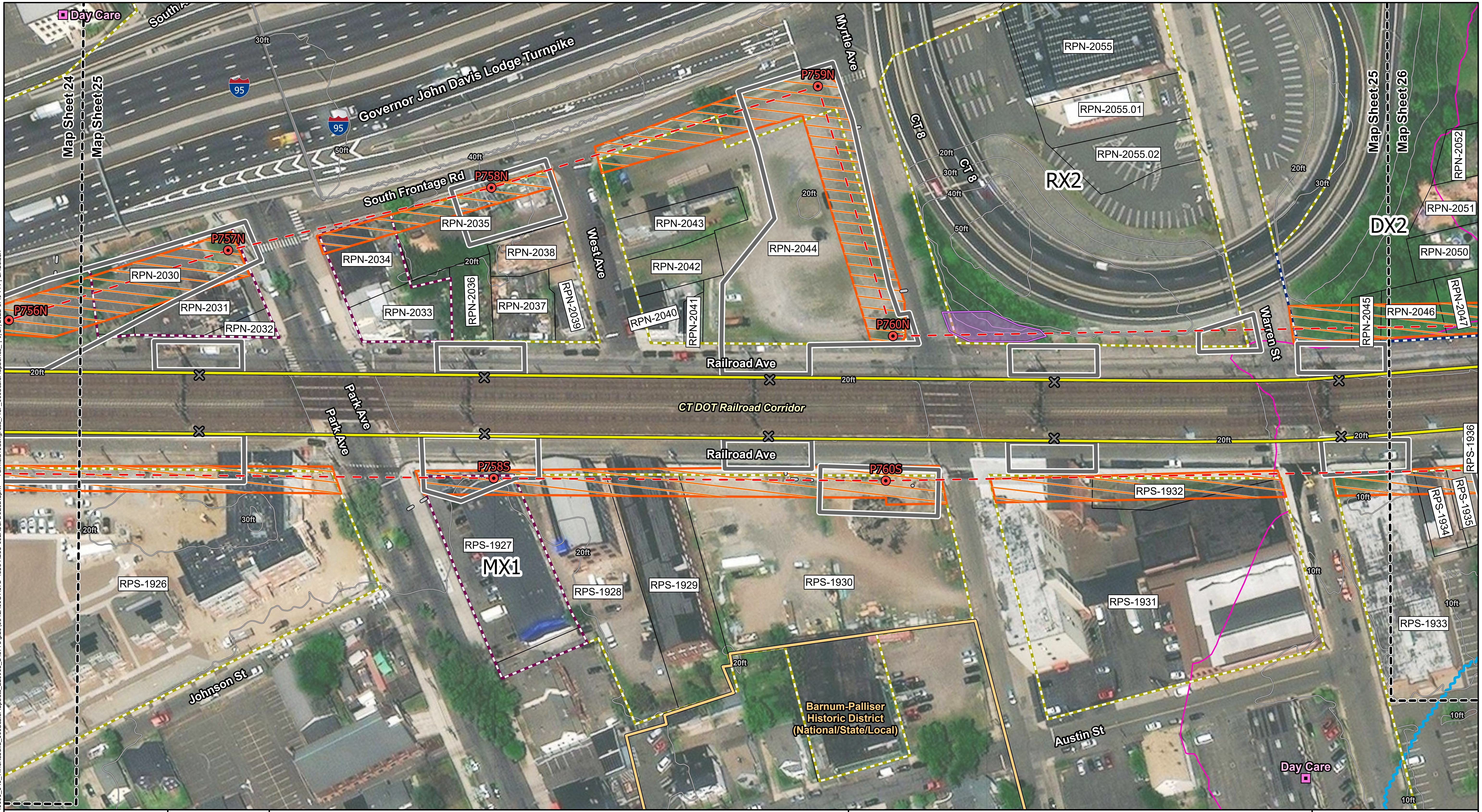
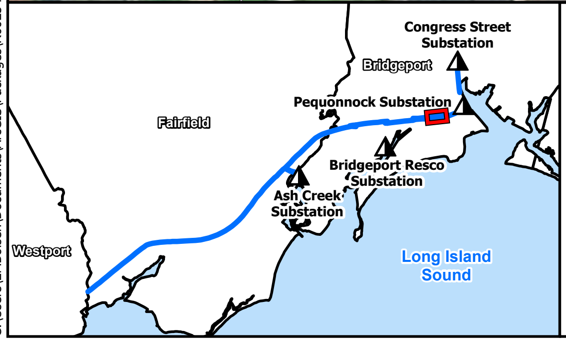
FAIRFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-KV REBUILD PROJECT
Mapsheet 25 of 29 – Owner/Direct Abutter List

Line List Number	Town/City	Site Address	Owner Name
RPS-1926	BRIDGEPORT	400 IRANISTAN AVE	HOUSING AUTHORITY CITY OF BPT
RPS-1927	BRIDGEPORT	500 PARK AVE	500 PARK AVE CORP
RPS-1928	BRIDGEPORT	347 RAILROAD AVE	RAILROAD COMPLEX LLC
RPS-1929	BRIDGEPORT	345 RAILROAD AVE	LANGDON & BATCHELLER LOFTS LLC
RPS-1930	BRIDGEPORT	319 RAILROAD AVE	RR & M 11 REALTY LLC
RPS-1931	BRIDGEPORT	275 WARREN ST	FIRST MCADAMS LLC
RPS-1932	BRIDGEPORT	275 WARREN ST	FIRST MACADAMS LLC
RPS-1933	BRIDGEPORT	130 GREGORY ST	FREE METHODIST CHURCH IGREJA TRUSTEE
RPN-2030	BRIDGEPORT	569 PARK AVE #571	STATE OF CONNECTICUT DOT
RPN-2031	BRIDGEPORT	561 PARK AVE	LAHHAM YVETTE
RPN-2032	BRIDGEPORT	513 PARK AVE	LAHHAM YVETTE
RPN-2033	BRIDGEPORT	538 PARK AVE	ARROYO HECTOR
RPN-2034	BRIDGEPORT	564 PARK AVE #566	MUKTA JOBIADA
RPN-2035	BRIDGEPORT	33 WEST AVE #41	CDB LLC
RPN-2036	BRIDGEPORT	408 RAILROAD AVE	ARROYO HECTOR
RPN-2037	BRIDGEPORT	394 RAILROAD AVE #398	GRINNELL SERVICES LLC
RPN-2038	BRIDGEPORT	25 WEST AVE #27	CDB LLC
RPN-2039	BRIDGEPORT	384 RAILROAD AVE	CDB LLC
RPN-2040	BRIDGEPORT	2 WEST AVE #10	RUA MELISSA G
RPN-2041	BRIDGEPORT	356 RAILROAD AVE	TEIXEIRA SUSANA C ETAL
RPN-2042	BRIDGEPORT	14 WEST AVE #16	RR & M 11 REALTY LLC
RPN-2043	BRIDGEPORT	26 WEST AVE	LLORENS CARLOS AND M VASQUEZ
RPN-2044	BRIDGEPORT	320 RAILROAD AVE	RR & M 11 REALTY LLC
RPN-2045	BRIDGEPORT	210 RAILROAD AVE #212	BRIDGEPORT CITY OF
RPN-2046	BRIDGEPORT	194 RAILROAD AVE #206	BRIDGEPORT CITY OF
RPN-2055	BRIDGEPORT	355 WARREN ST	MYUNG JIN LLC
RPN-2055.01	BRIDGEPORT	365 WARREN ST	ELAS INC.
RPN-2055.02	BRIDGEPORT	355 WARREN ST	ELAS, INC.





Map Legend

- Proposed Single Circuit Transmission Line Structure
- Existing Bonnet To Be Removed
- Proposed Centerline of Rebuild 115-kV Line
- Existing CTDOT Corridor Boundary
- Proposed UI Permanent Easement
- Proposed Work Pad
- Proposed Temporary Access Road Centerline
- National or State Historic Resource Area
- Community Facility
- Parcel Boundary
- FEMA 100-Year Floodplain
- 10ft Contour
- Tree Clearing*
- CT DEEP Coastal Area

Bridgeport Zoning

- DX2
- MX1
- RX2

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

*Anticipated areas of tree removal are depicted on the maps. In addition, for Project construction, other vegetation (shrubs, herbaceous species) will be removed within the limits of all proposed work areas.

Coordinate System:
NAD 1983 (2011) State Plane Connecticut FIPS 0600 (US Feet)
Linear Units: Foot US

Revised: 9/27/2022

N

0 50 100 Feet

1" = 100'

UI AVANGRID

Westwood

SHEET 25 OF 29

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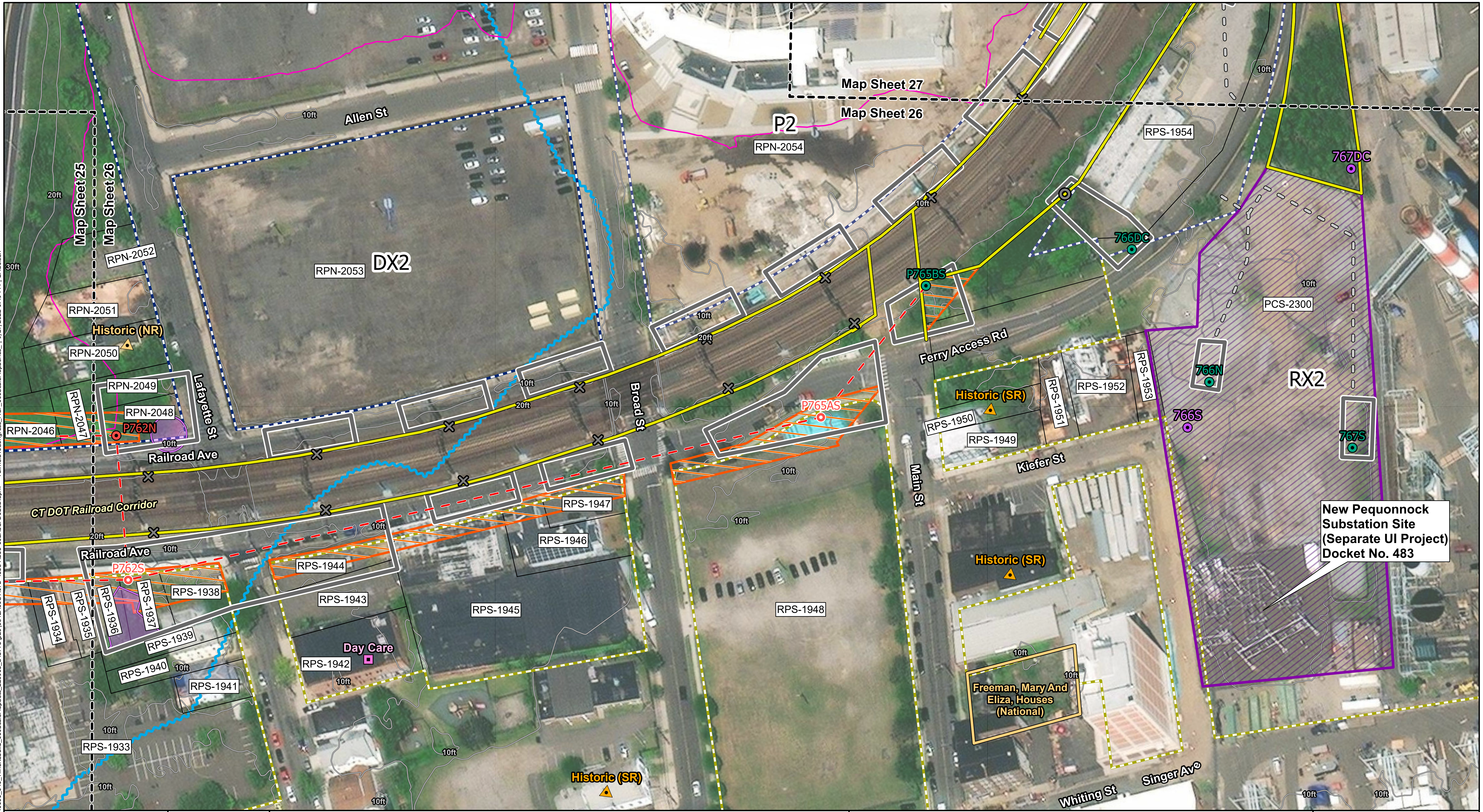
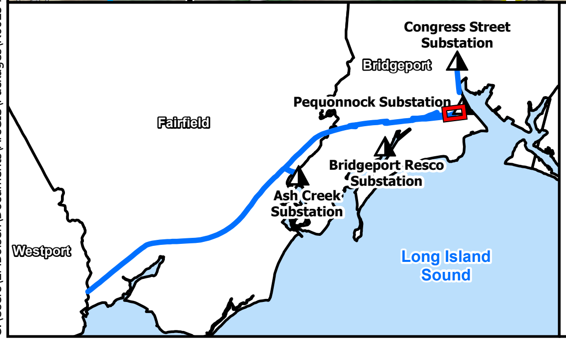
FAIRFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-KV REBUILD PROJECT
Mapsheet 26 of 29 – Owner/Direct Abutter List

Line List Number	Town/City	Site Address	Owner Name
RPS-1933	BRIDGEPORT	130 GREGORY ST	FREE METHODIST CHURCH IGREJA TRUSTEE
RPS-1934	BRIDGEPORT	205 RAILROAD AVE	MOTTS CREEK CAPITAL LLC
RPS-1935	BRIDGEPORT	195 RAILROAD AVE	MOTTS CREEK CAPITAL LLC
RPS-1936	BRIDGEPORT	185 RAILROAD AVE	MOTTS CREEK CAPITAL LLC
RPS-1937	BRIDGEPORT	179 RAILROAD AVE	179 RAILROAD AVE LLC
RPS-1938	BRIDGEPORT	473 LAFAYETTE ST	TEAM ONE OWNER LLC
RPS-1939	BRIDGEPORT	465 LAFAYETTE ST	BOBER CHRISTOPHER, SENERCHIA MARK
RPS-1940	BRIDGEPORT	463 LAFAYETTE ST	HUFF & DOBACK LLC
RPS-1941	BRIDGEPORT	453 LAFAYETTE ST	RODRIQUEZ MARTIN J A/K/A, MARTIN J RODRIGUEZ
RPS-1942	BRIDGEPORT	460 LAFAYETTE ST	ABCD INC
RPS-1943	BRIDGEPORT	466 LAFAYETTE ST	461 BROAD STREET LLC, c/o RDR MANAGEMENT LLC
RPS-1944	BRIDGEPORT	476 LAFAYETTE ST	ABCD INC
RPS-1945	BRIDGEPORT	461 BROAD ST	461 BROAD STREET LLC, c/o RDR MANAGEMENT LLC
RPS-1946	BRIDGEPORT	477 BROAD ST	SHILOH BAPTIST CHURCH INC
RPS-1947	BRIDGEPORT	487 BROAD ST	SHILOH BAPTIST CHURCH INC
RPS-1948	BRIDGEPORT	375 MAIN ST	HOUSING AUTHORITY CITY OF BPT
RPS-1949	BRIDGEPORT	418 MAIN ST	R V PROPERTIES ET AL, YTA GIANELLI
RPS-1950	BRIDGEPORT	420 MAIN ST	VUKAJ ALEKSANDER
RPS-1951	BRIDGEPORT	54 KIEFER ST	O'HARA'S LLC
RPS-1952	BRIDGEPORT	38 KIEFER ST	O'HARA'S LLC
RPS-1953	BRIDGEPORT	30 KIEFER ST	O'HARA'S LLC
RPS-1954	BRIDGEPORT	1 ATLANTIC ST	PSEG POWER CONNECTICUT LLC, c/o PSEG CORPORATE REAL ESTATE
PCS-2300	BRIDGEPORT	1 ATLANTIC ST	PSEG POWER CONNECTICUT LLC, c/o PSEG CORPORATE REAL ESTATE
RPN-2047	BRIDGEPORT	186 RAILROAD AVE #192	BRIDGEPORT CITY OF
RPN-2048	BRIDGEPORT	511 LAFAYETTE ST #515	BRIDGEPORT CITY OF
RPN-2049	BRIDGEPORT	521 LAFAYETTE ST	BRIDGEPORT CITY OF
RPN-2050	BRIDGEPORT	531 LAFAYETTE ST	COLLINS EVADNEY
RPN-2051	BRIDGEPORT	537 LAFAYETTE ST #539	CEJA JAVIER AND JACQUELINE MARTORAL
RPN-2052	BRIDGEPORT	547 LAFAYETTE ST	BRIDGEPORT CITY OF
RPN-2053	BRIDGEPORT	524 LAFAYETTE ST	BRIDGEPORT CITY OF
RPN-2054	BRIDGEPORT	500 MAIN ST	BRIDGEPORT CITY OF BASEBALL ST





Map Legend

- Proposed Single Circuit Transmission Line Structure
- Proposed Double Circuit Transmission Line Structure
- New Pequonnock Structure
- Existing Structure to be Reconductored with OPGW
- Existing UI Steel Pole To Be Removed
- Existing Bonnet To Be Removed
- Proposed Centerline of Rebuild 115-kV Line
- Existing CTDOT Corridor Boundary
- Proposed UI Permanent Easement
- Proposed Work Pad
- Proposed Temporary Access Road Centerline
- National or State Historic Resource Area
- Community Facility
- Historic (NR) Resource
- Historic (SR) Resource
- Parcel Boundary
- FEMA 100-Year Floodplain
- 10ft Contour
- Tree Clearing*
- CT DEEP Coastal Area

Bridgeport Zoning

- DX2
- P2
- RX2

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

*Anticipated areas of tree removal are depicted on the maps. In addition, for Project construction, other vegetation (shrubs, herbaceous species) will be removed within the limits of all proposed work areas.

Coordinate System:
NAD 1983 (2011) State Plane Connecticut FIPS 0600 (US Feet)
Linear Units: Foot US

Revised: 9/27/2022

N

0 50 100 Feet

1" = 100'

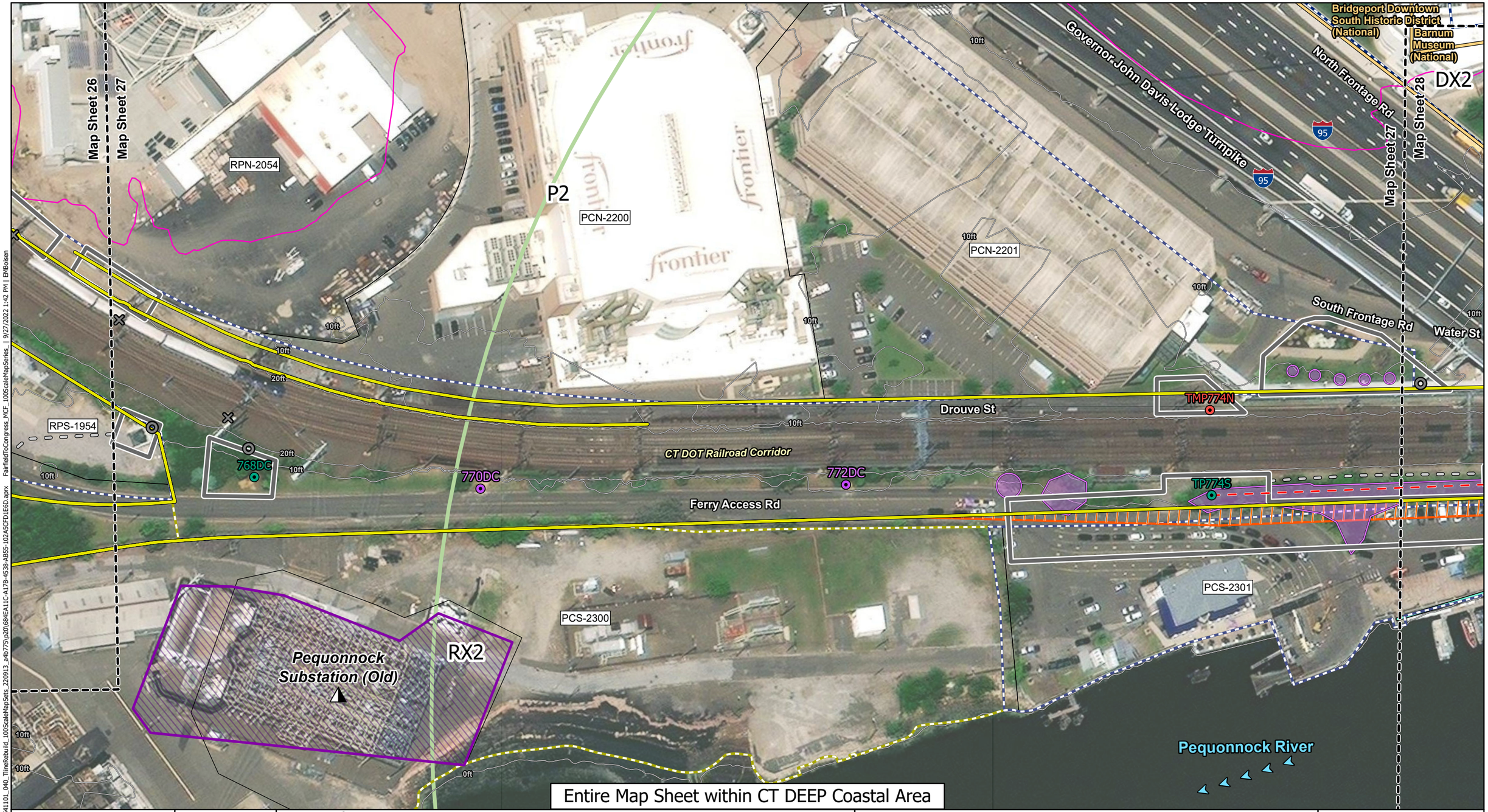
UI AVANGRID

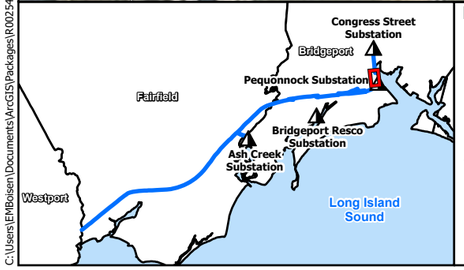
Westwood

SHEET 26 OF 29

FAIRFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-KV REBUILD PROJECT
Mapsheet 27 of 29 – Owner/Direct Abutter List

Line List Number	Town/City	Site Address	Owner Name
RPN-2054	BRIDGEPORT	500 MAIN ST	BRIDGEPORT CITY OF BASEBALL ST
PCN-2200	BRIDGEPORT	600 MAIN STREET	CITY OF BRIDGEPORT
PCN-2201	BRIDGEPORT	700 MAIN ST	STATE OF CONNECTICUT DOR OFFICE RIGHTS OF WAY
PCN-2202	BRIDGEPORT	850 MAIN ST	PEOPLES UNITED BANK
RPS-1954	BRIDGEPORT	1 ATLANTIC ST	PSEG POWER CONNECTICUT LLC, c/o PSEG CORPORATE REAL ESTATE
PCS-2300	BRIDGEPORT	1 ATLANTIC ST	PSEG POWER CONNECTICUT LLC, c/o PSEG CORPORATE REAL ESTATE
PCS-2301	BRIDGEPORT	0 BRIDGEPORT HARBOR	BRIDGEPORT PORT AUTHORITY





Map Legend

- Proposed Single Circuit Transmission Line Structure
- New Pequonnock Structure
- Existing Structure to be Reconductored with OPGW
- Substation
- Existing UI Steel Pole To Be Removed
- Existing Bonnet To Be Removed
- Proposed Centerline of Rebuilt 115-kV Line
- Existing CTDOT Corridor Boundary
- Proposed UI Permanent Easement
- Proposed Work Pad
- Proposed Temporary Access Road Centerline
- National or State Historic Resource Area
- Parcel Boundary
- FEMA 100-Year Floodplain
- 10ft Contour
- Tree Clearing*
- Delineated Tidal Watercourse
- Natural Diversity Database Area (NDDB)

Bridgeport Zoning

- DX2
- P2
- RX2

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

*Anticipated areas of tree removal are depicted on the maps. In addition, for Project construction, other vegetation (shrubs, herbaceous species) will be removed within the limits of all proposed work areas.

Coordinate System:
NAD 1983 (2011) State Plane Connecticut FIPS 0600 (US Feet)
Linear Units: Foot US

Revised: 9/27/2022

N

0 50 100 Feet

1" = 100'

UI AVANGRID

Westwood

SHEET 27 OF 29

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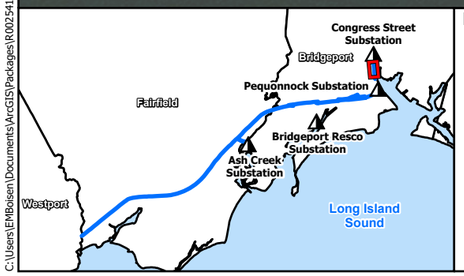
FAIRFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-KV REBUILD PROJECT
Mapsheet 28 of 29 – Owner/Direct Abutter List

Line List Number	Town/City	Site Address	Owner Name
PCS-2301	BRIDGEPORT	0 BRIDGEPORT HARBOR	BRIDGEPORT PORT AUTHORITY
PCS-2302		river crossing	river crossing
PCN-2202	BRIDGEPORT	850 MAIN ST	PEOPLES UNITED BANK
PCN-2203	BRIDGEPORT	35 JOHN ST	TRANSIT CENTER ASSOC LLC
PCN-2204	BRIDGEPORT	10 MIDDLE ST	TEN MIDDLE LLC
PCN-2205	BRIDGEPORT	10 JOHN ST	FAIRFIELD AND MIDDLE LLC
PCN-2206	BRIDGEPORT	50 MIDDLE ST	FAIRFIELD AND MIDDLE LLC

Map Sheet 27
Map Sheet 28
Map Sheet 28
Map Sheet 29
Barnum Museum (National)
PCN-2202
State St
Bank St
Middle St
Plazza St
Bridgeport Downtown South Historic District (National)
PCN-2203
John St
PCN-2204
DX2
PCN-2205
PCN-2206
Fairfield Ave
PCN-2207
PCN-2208
PCN-2209
North Frontage Rd
Frontage Rd
Governor John Davis Lodge Turnpike
PCN-2201
Water St
Bridgeport Transportation Center
Water St
Historic (NR)
CT DOT Railroad Corridor
Historic (NR)
Historic (NR)
Archaeological
P775S
PCN-2211
P775S
P1
P2
PCS-2301
95
95
Possible Construction Staging from Barge for Removals
Stratford Ave
PCS-2302
Pequonnock River
10ft
20ft
0ft

Entire Map Sheet within CT DEEP Coastal Area



Map Legend

- Proposed Single Circuit Transmission Line Structure
- Proposed Double Circuit Transmission Line Structure
- Existing UI Steel Pole To Be Removed
- Existing UI Lattice Tower To Be Removed
- Existing Bonnet To Be Removed
- Proposed Centerline of Rebuilt 115-kV Line
- Existing CTDOT Corridor Boundary
- Proposed UI Permanent Easement
- Proposed Work Pad
- Proposed Temporary Access Road Centerline
- National or State Historic Resource Area
- Train Station
- Historic (NR) Resource
- Archaeological Location
- Parcel Boundary
- FEMA Floodway
- FEMA 100-Year Floodplain
- 10ft Contour
- Tree Clearing*
- Delineated Tidal Watercourse
- Natural Diversity Database Area (NDDB)

Bridgeport Zoning

- DX2
- P1
- P2

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

*Anticipated areas of tree removal are depicted on the maps. In addition, for Project construction, other vegetation (shrubs, herbaceous species) will be removed within the limits of all proposed work areas.

Coordinate System:
NAD 1983 (2011) State Plane Connecticut FIPS 0600 (US Feet)
Linear Units: Foot US

Revised: 9/27/2022

N

0 50 100 Feet

1" = 100'

UI AVANGRID

Westwood

FAIRFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-KV REBUILD PROJECT
Mapsheet 29 of 29 – Owner/Direct Abutter List

Line List Number	Town/City	Site Address	Owner Name
PCN-2211	BRIDGEPORT	710 WATER ST	BRIDGEPORT CITY OF
PCN-2207	BRIDGEPORT	52 FAIRFIELD AVE	DWNTWN STRATEGIC GROUP LLC
PCN-2208	BRIDGEPORT	38 FAIRFIELD AVE #40	DWNTWN STRATEGIC GROUP LLC
PCN-2209	BRIDGEPORT	10 FAIRFIELD AVE	US POSTAL SERVICE FCO, C/O WILLIAM MONCRIEF
PCN-2210	BRIDGEPORT	120 MIDDLE ST	UNITED STATES OF AMERICA
PCN-2211	BRIDGEPORT	710 WATER ST	BRIDGEPORT CITY OF
PCN-2212	BRIDGEPORT	60 HOUSATONIC AVE	CONNECTICUT STATE OF
PCN-2213	BRIDGEPORT	55 CONGRESS ST #Rear	UNITED ILLUMINATING CO

PCN-2207
PCN-2208
PCN-2209
PCN-2210
Bridgeport Downtown North Historic District (National)
Golden Hill St
Water St
Fairfield Ave
Map Sheet 28
Map Sheet 29
PCN-2206
PCN-2211
Bridgeport Transportation Center
DX2
PCN-2212
Historic (NR)
P5
P4
PCN-2213
Congress Street Substation
P783N
TP784N
CT DOT Railroad Corridor
P779S
P783S
P2
P1
PCN-2211
PCS-2302
Stratford Ave
Historic (NR)
CT DOT Railroad Corridor Continues
Pequonnock River
Noble Ave
10ft
0ft

Map Legend

- Proposed Single Circuit Transmission Line Structure
- Proposed Double Circuit Transmission Line Structure
- Existing Structure to be Reconductored with OPGW
- Substation
- Existing Bonnet To Be Removed
- Proposed Centerline of Rebuilt 115-kV Line
- Existing CTDOT Corridor Boundary
- Proposed UI Permanent Easement
- Proposed Work Pad
- National or State Historic Resource Area
- Bus Station
- Historic (NR) Resource
- Parcel Boundary
- FEMA Floodway
- FEMA 100-Year Floodplain
- 10ft Contour
- Delineated Tidal Watercourse
- CT DEEP Coastal Area
- Natural Diversity Database Area (NDDB)

Bridgeport Zoning

- DX2
- P1
- P2
- P4
- P5

UI 115 KV RAILROAD PROJECT – FAIRFIELD TO CONGRESS

FAIRFIELD & BRIDGEPORT, CT

*Anticipated areas of tree removal are depicted on the maps. In addition, for Project construction, other vegetation (shrubs, herbaceous species) will be removed within the limits of all proposed work areas.

Coordinate System:
NAD 1983 (2011) State Plane Connecticut FIPS 0600 (US Feet)
Linear Units: Foot US

Revised: 9/27/2022

N

0 50 100 Feet

1" = 100'

UI AVANGRID

Westwood

SHEET 29 OF 29

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Attachment V2.5

PLAN AND PROFILE DRAWINGS:

FAIRFIELD TO CONGRESS RAILROAD TRANSMISSION LINE 115-kV REBUILD PROJECT

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INTRODUCTION

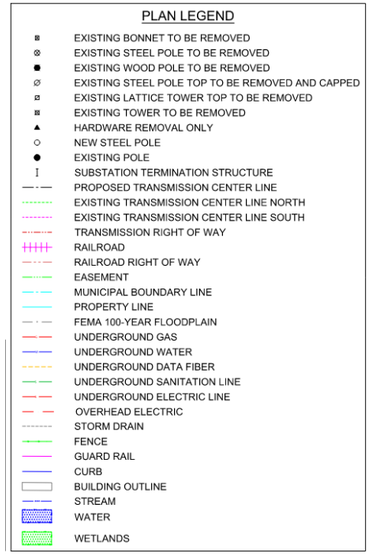
This attachment contains Plan and Profile Drawings prepared as part of the engineering design of the Fairfield to Congress Transmission Line 115-kV Rebuild Project (Project) as proposed by UI. The Plan and Profile Drawings contained in this Attachment depict the locations of the proposed structures in relation to the CT DOT corridor and the existing railroad infrastructure along with a profile of the proposed structures, conductors, and wires in relation to existing ground surface. As listed below, the Plan and Profile Drawings are organized into seven segments, proceeding from West-to-east along the Project route:

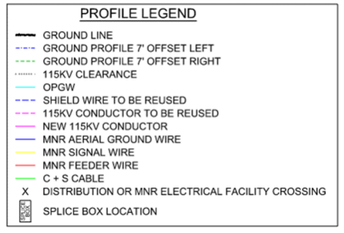
- Sasco Creek in the Town of Fairfield (interconnection with Eversource) to UI's Ash Creek Substation in the City of Bridgeport (3.96 miles)
- UI's Ash Creek Substation in the City of Bridgeport to P737S in the City of Bridgeport (1.59 miles)
- TP735N in the City of Bridgeport to P737N in the City of Bridgeport (0.10 miles)
- P737N in the City of Bridgeport to Resco Tap in the City of Bridgeport (0.56 miles)
- P745S in the City of Bridgeport to UI's Resco Substation in the City of Bridgeport (0.36 miles)
- P745S in the City of Bridgeport to New Pequonnock Substation in the City of Bridgeport (interconnection at P765BS of UI's New Pequonnock Substation being constructed under a separate UI project, CSC Docket No. 483) (1.12 miles)
- New Pequonnock Substation in the City of Bridgeport (interconnection at P774S of UI's New Pequonnock Substation being constructed under a separate UI project, CSC Docket No. 483) to Congress Street Substation in the City of Bridgeport (0.52 miles)

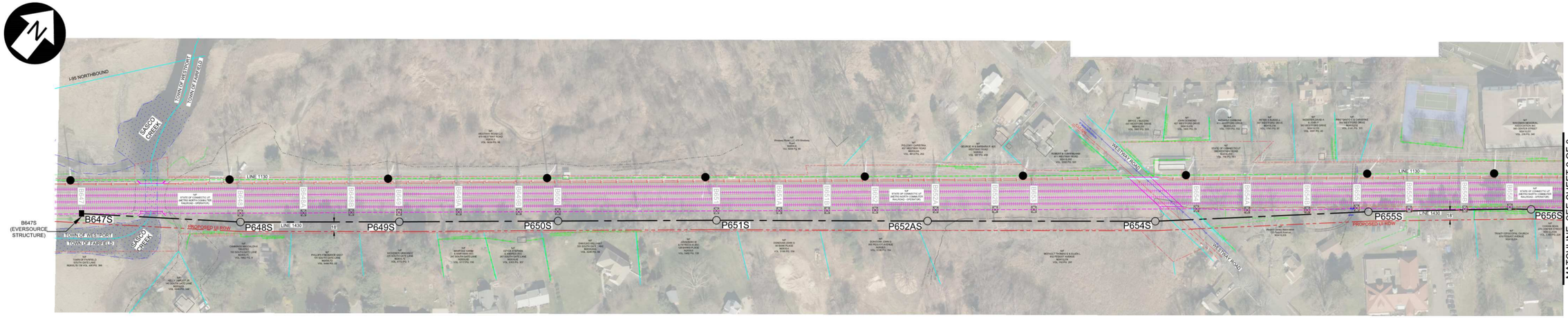
Notes:

1. Gray shading on Plan and Profile Drawings denotes critical energy infrastructure information that has been redacted.
2. These Plan and Profile Drawings reflect the Project's 50% engineering design (April 2022).
3. These Plan and Profile Drawings cover the approximately 7.6 miles of the CT DOT railroad corridor between catenary structures B648S and Congress Street Substation and the 0.23-mile connection from the CT DOT railroad corridor to Ash Creek Substation. The 0.3 mile segment of UI's existing 115-kV lines that will be removed from the railroad catenary structures and rebuilt along the CT DOT corridor between the Old and New Pequonnock Substations are part of UI's separate Pequonnock Substation Rebuild Project.

The following legends are applicable the Plan and Profile Drawings contained in Attachment V2.5:

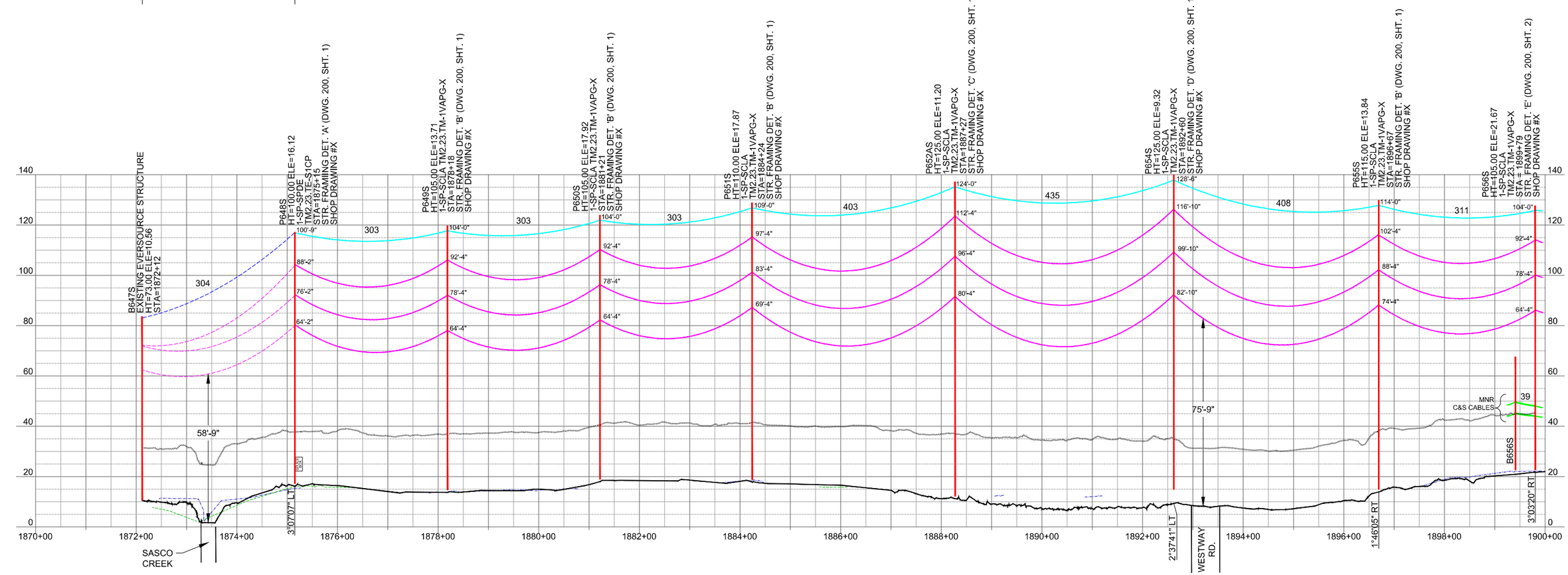






1-336.4 KCMIL 26/7 ACSR "LINNET" = 4000# AT NESC 250B
LINE 1430 TRANSFER: 1-1590 KCMIL 45/7 ACSR "LAPWING" PER PHASE = 8700# AT NESC 250B
LINE 1430 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 9500# AT NESC 250B

1- 0.726" 96 COUNT OPGW = 6700# AT NESC 250B
LINE 1430 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 9500# AT NESC 250B
LINE 1430 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 9500# AT NESC 250B



PLAN	BY	DATE
SURVEYED		
NOTEBOOK NO.	REVIEWED	
	ROW CHKD	

PLAN SCALE:
1" = 100'

PROFILE	BY	DATE
SURVEYED		
NOTEBOOK NO.	REVIEWED	
	NOTES REDUCED	

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

CADD Drawing. DO NOT REVISE MANUALLY.
ANSI D

Westwood
Westwood Professional Services, Inc.
1694 South Broad Street, Suite 120
Hatfield, PA 19440
Phone (215) 855-7477
Toll Free (888) 937-5150
www.westwoodps.com

UNDERBUILD CONDUCTOR TYPE	SHIELD WIRE TYPE (WHERE APPLICABLE)	OPGW TYPE	CONDUCTOR TYPE
	336.4 26/7 ACSR "LINNET"	AFL-DNO-12478 0.726" 96 CT.FIBER	INSTALL 1590 45/7 ACSS "LAPWING" DISPLAY/DESIGN 2156 84/19 ACSS "BLUEBIRD"
TENSION	TENSION	TENSION	TENSION
	AS SHOWN	AS SHOWN	AS SHOWN
DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.

YR. CONST. W/O

NOTES:
1. SEE STRUCTURE LIST (DWG 1520U-T1430-9000) AND STRUCTURE FRAMING DRAWINGS (DWG 1520U-T1430-200) FOR HARDWARE ASSY. INFO.
2. ALL NEW STRUCTURES WILL BE SUPPORTED BY CONCRETE FOUNDATIONS. SEE DWG 1520U-T1430-400 FOR FURTHER INFORMATION.
3. SEE DWG 1520U-T1430-001 FOR CONSTRUCTION NOTES, DRAWING INDEX, AND PLAN AND PROFILE LEGEND.
4. SEE DWG. 1520U-T1430-002 FOR PHASING DIAGRAMS.

REV.	DATE	BY	DESCRIPTION	APP.

PE Stamp

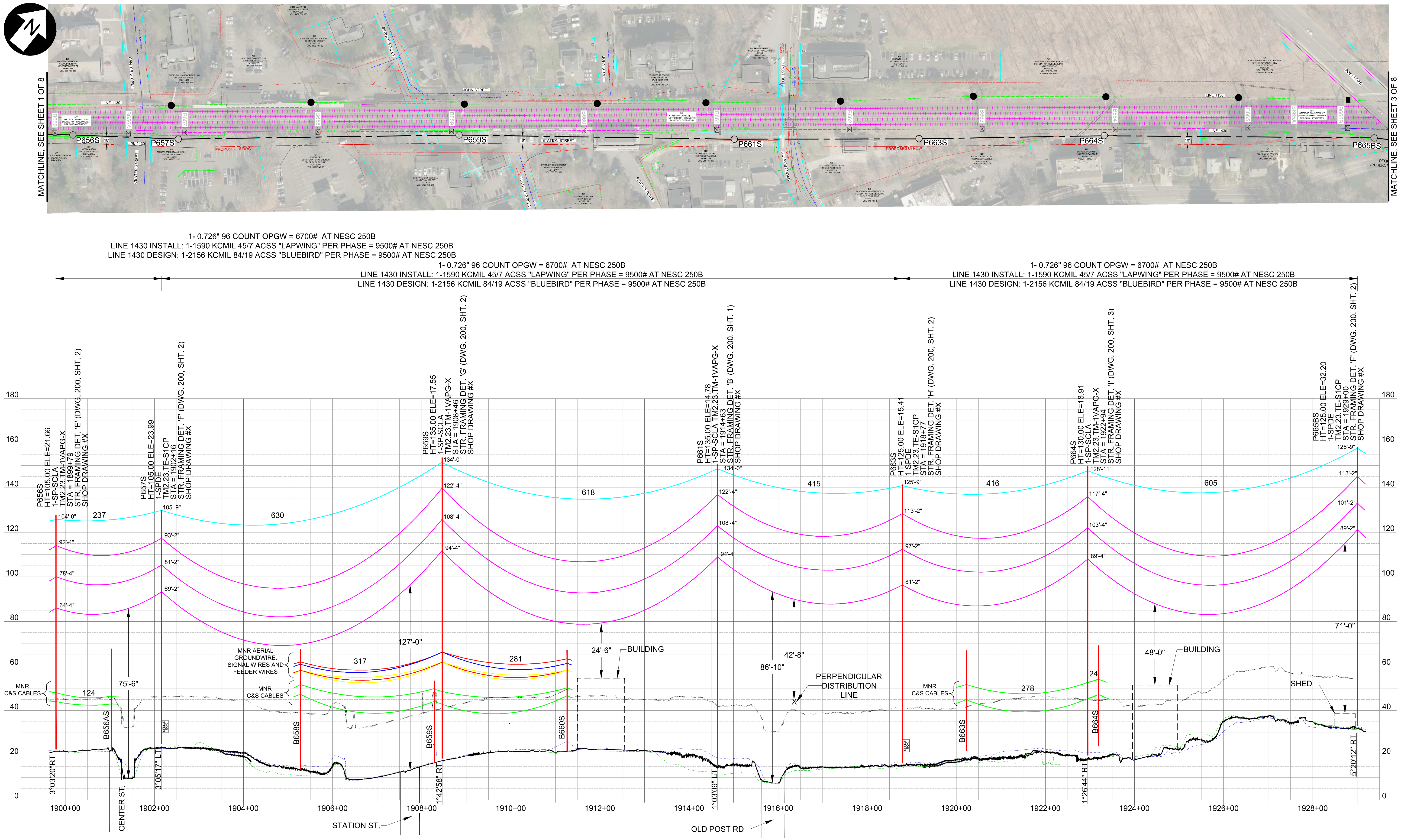
UI AVANGRID

REV.	DATE	BY	DESCRIPTION	APP.
0-0B	4/14/2022	WESTWOOD	ISSUE FOR REVIEW	
0-0A	10/29/2021	WESTWOOD	ISSUE FOR REVIEW	MSP

UI 115 kV RAILROAD PROJECT - SASCO CREEK (B647S) TO ASH CREEK
PLAN AND PROFILE
SHEET 1 OF 8

UI 115kV SC LINE 1430 - SASCO CREEK (B647S) TO ASH CREEK

DR.	ASW	SCALE AS SHOWN	FILE: 1520U-T1430-003.DWG	
CK.	MSP	NO.		REV.
APP.		1520U-T1430-003		0-0B
DATE:	10/29/2021			



PLAN SCALE: 1" = 100'

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

UNDERBUILD CONDUCTOR TYPE	SHIELD WIRE TYPE (WHERE APPLICABLE)	OPGW TYPE	CONDUCTOR TYPE
	336.4 26/7 ACSR "LINNET"	AFL-DNO - 12478 0.726" 96 CT. FIBER	INSTALL 1590 45/7 ACSS "LAPWING" DISPLAY/DESIGN 2156 84/19 ACSS "BLUEBIRD"
TENSION	TENSION AS SHOWN	TENSION AS SHOWN	TENSION AS SHOWN
DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.

YR. CONST. W/O

NOTES:
1. SEE STRUCTURE LIST (DWG 1520U-T1430-9000) AND STRUCTURE FRAMING DRAWINGS (DWG 1520U-T1430-200) FOR HARDWARE ASSY. INFO.
2. ALL NEW STRUCTURES WILL BE SUPPORTED BY CONCRETE FOUNDATIONS. SEE DWG 1520U-T1430-400 FOR FURTHER INFORMATION.
3. SEE DWG 1520U-T1430-001 FOR CONSTRUCTION NOTES, DRAWING INDEX, AND PLAN AND PROFILE LEGEND.
4. SEE DWG. 1520U-T1430-002 FOR PHASING DIAGRAMS.

PE Stamp

REV.	DATE	BY	DESCRIPTION	APP.
0-0B	4/14/2022	WESTWOOD	ISSUE FOR REVIEW	
0-0A	10/29/2021	WESTWOOD	ISSUE FOR REVIEW	MSP

UI AVANGRID

UI 115 kV RAILROAD PROJECT - SASCO CREEK (B647S) TO ASH CREEK

PLAN AND PROFILE

SHEET 2 OF 8

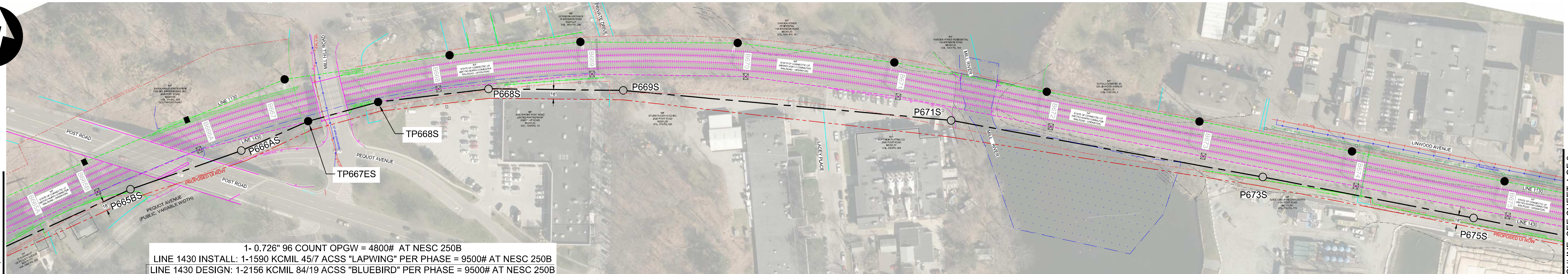
UI 115kV SC LINE 1430 - SASCO CREEK (B647S) TO ASH CREEK

DR. ASW | CK. MSP | APP. | DATE: 10/29/2021
SCALE AS SHOWN | FILE: 1520U-T1430-003.DWG
NO. 1520U-T1430-003 | REV. 0-0B

Westwood

CADD Drawing, DO NOT REVISE MANUALLY.
ANSI D

MATCHLINE, SEE SHEET 2 OF 8



MATCHLINE, SEE SHEET 4 OF 8

PLAN SCALE: 1" = 100'

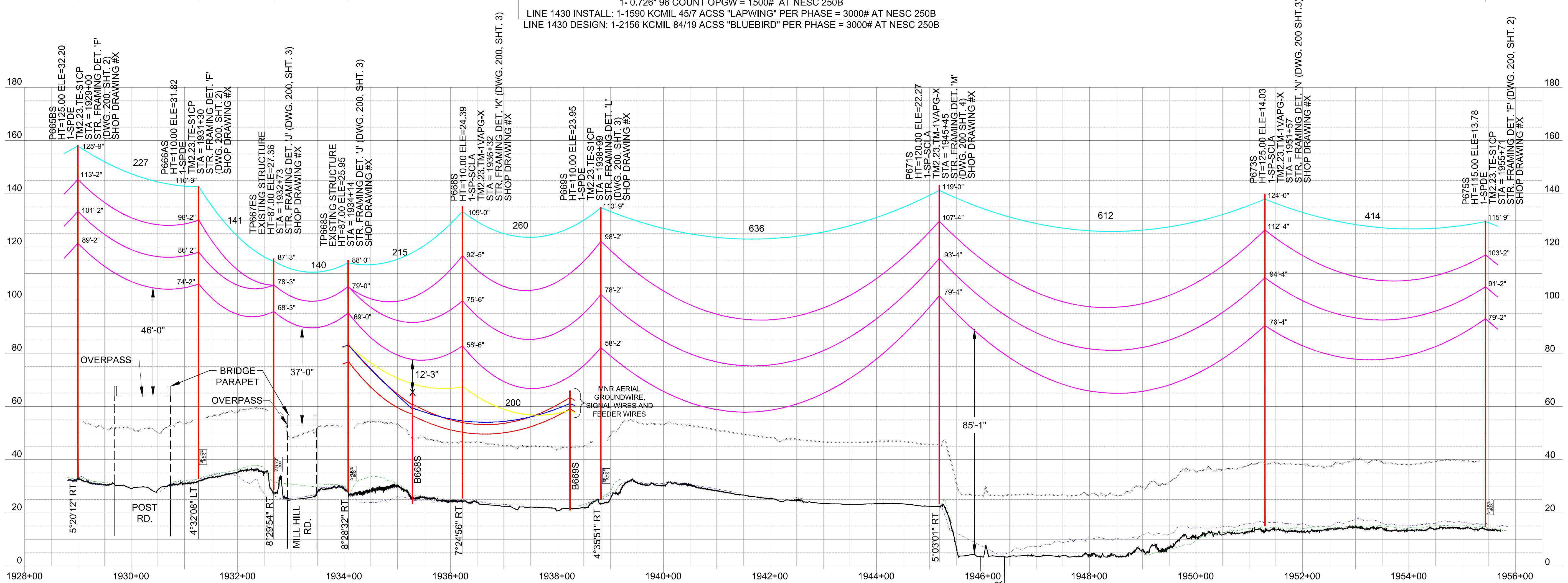
1- 0.726" 96 COUNT OPGW = 4800# AT NESC 250B
LINE 1430 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 9500# AT NESC 250B
LINE 1430 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 9500# AT NESC 250B

1- 0.726" 96 COUNT OPGW = 1500# AT NESC 250B
LINE 1430 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 3000# AT NESC 250B
LINE 1430 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 3000# AT NESC 250B

1- 0.726" 96 COUNT OPGW = 1500# AT NESC 250B
LINE 1430 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 3000# AT NESC 250B
LINE 1430 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 3000# AT NESC 250B

1- 0.726" 96 COUNT OPGW = 6700# AT NESC 250B
LINE 1430 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 9500# AT NESC 250B
LINE 1430 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 9500# AT NESC 250B

1- 0.726" 96 COUNT OPGW = 1500# AT NESC 250B
LINE 1430 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 3000# AT NESC 250B
LINE 1430 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 3000# AT NESC 250B



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

PLAN	NOTEBOOK NO.	SURVEYED	REVIEWED	ROW CHKD	BY	DATE

PROFILE	NOTEBOOK NO.	SURVEYED	REVIEWED	NOTES REDUCED	BY	DATE

Westwood

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ANSI D

UNDERBUILD CONDUCTOR TYPE	SHIELD WIRE TYPE (WHERE APPLICABLE)	OPGW TYPE	CONDUCTOR TYPE
	336.4 26/7 ACSR "LINNET"	AFL-DNO - 12478 0.726" 96CT. FIBER	INSTALL 1590 45/7 ACSS "LAPWING" DISPLAY/DESIGN 2156 84/19 ACSS "BLUEBIRD"
TENSION	TENSION	TENSION	TENSION
	AS SHOWN	AS SHOWN	AS SHOWN
DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.

YR. CONST. W/O

NOTES:
1. SEE STRUCTURE LIST (DWG 1520U-T1430-9000) AND STRUCTURE FRAMING DRAWINGS (DWG 1520U-T1430-200) FOR HARDWARE ASSY. INFO.
2. ALL NEW STRUCTURES WILL BE SUPPORTED BY CONCRETE FOUNDATIONS. SEE DWG 1520U-T1430-400 FOR FURTHER INFORMATION.
3. SEE DWG 1520U-T1430-001 FOR CONSTRUCTION NOTES, DRAWING INDEX, AND PLAN AND PROFILE LEGEND.
4. SEE DWG. 1520U-T1430-002 FOR PHASING DIAGRAMS.

REV.	DATE	BY	DESCRIPTION	APP.

PE Stamp

UI AVANGRID

REV.	DATE	BY	DESCRIPTION	APP.
0-0B	4/14/2022	WESTWOOD	ISSUE FOR REVIEW	
0-0A	10/29/2021	WESTWOOD	ISSUE FOR REVIEW	MSP

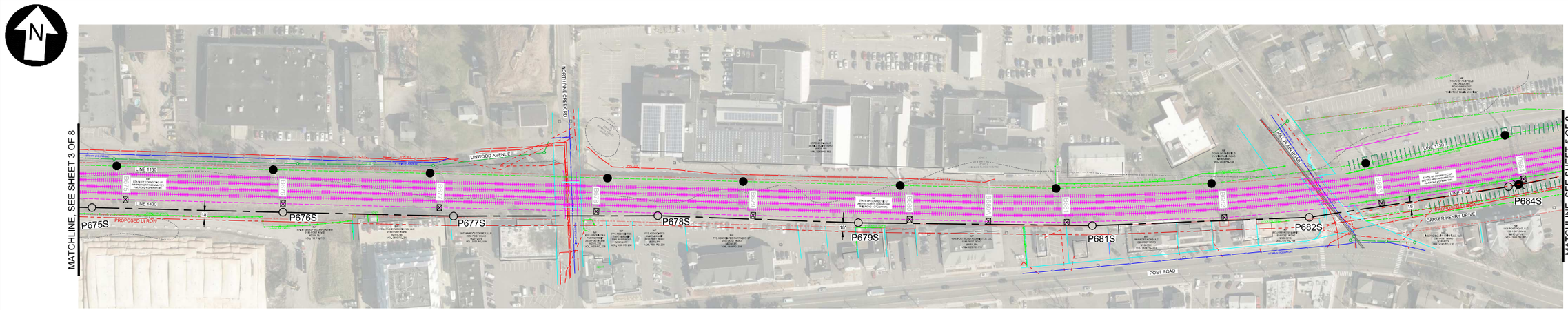
UI 115 kV RAILROAD PROJECT - SASCO CREEK (B647S) TO ASH CREEK

PLAN AND PROFILE

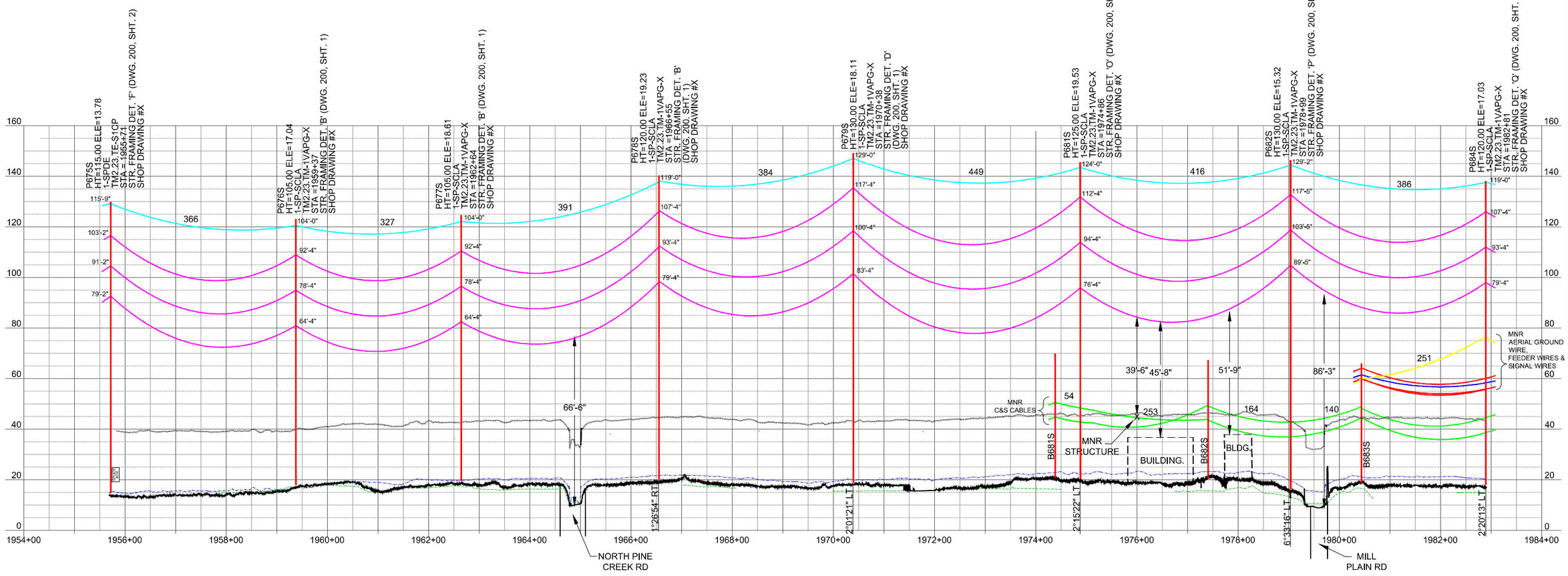
SHEET 3 OF 8

UI 115kV SC LINE 1430 - SASCO CREEK (B647S) TO ASH CREEK

DR.	ASW	SCALE AS SHOWN	FILE: 1520U-T1430-003.DWG
CK.	MSP	NO. 1520U-T1430-003	REV. 0-0B
APP.			
DATE:	10/29/2021		



1- 0.726" 96 COUNT OPGW = 6700# AT NESC 250B
LINE 1430 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 9500# AT NESC 250B
LINE 1430 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 9500# AT NESC 250B



PLAN	BY	DATE
NOTEBOOK NO.	SURVEYED	
	REVIEWED	
	ROW CHKD	

PLAN SCALE:
1" = 100'

PROFILE	BY	DATE
NOTEBOOK NO.	SURVEYED	
	REVIEWED	
	NOTES REDUCED	

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

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ANSI D

UNDERBUILD CONDUCTOR TYPE	SHIELD WIRE TYPE (WHERE APPLICABLE)	OPGW TYPE	CONDUCTOR TYPE
	336.4 26/7 ACSR "LINNET"	AFL-DNO - 12478 0.726" 96CT. FIBER	INSTALL 1590 45/7 ACSS "LAPWING" DISPLAY/DESIGN 2156 84/19 ACSS "BLUEBIRD"
TENSION	TENSION	TENSION	TENSION
	AS SHOWN	AS SHOWN	AS SHOWN
DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.

YR. CONST. W/O

NOTES:
1. SEE STRUCTURE LIST (DWG 1520U-T1430-9000) AND STRUCTURE FRAMING DRAWINGS (DWG 1520U-T1430-200) FOR HARDWARE ASSY. INFO.
2. ALL NEW STRUCTURES WILL BE SUPPORTED BY CONCRETE FOUNDATIONS. SEE DWG 1520U-T1430-400 FOR FURTHER INFORMATION.
3. SEE DWG 1520U-T1430-001 FOR CONSTRUCTION NOTES, DRAWING INDEX, AND PLAN AND PROFILE LEGEND.
4. SEE DWG. 1520U-T1430-002 FOR PHASING DIAGRAMS.

REV.	DATE	BY	DESCRIPTION	APP.

PE Stamp

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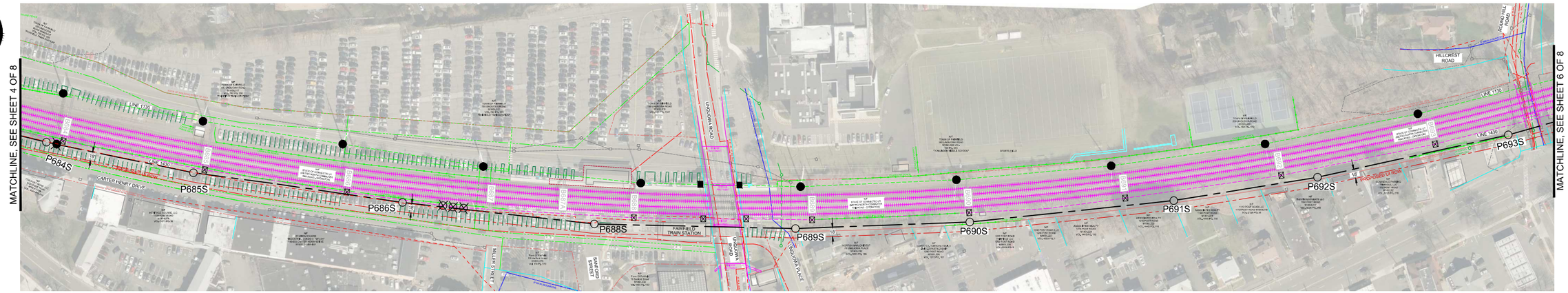
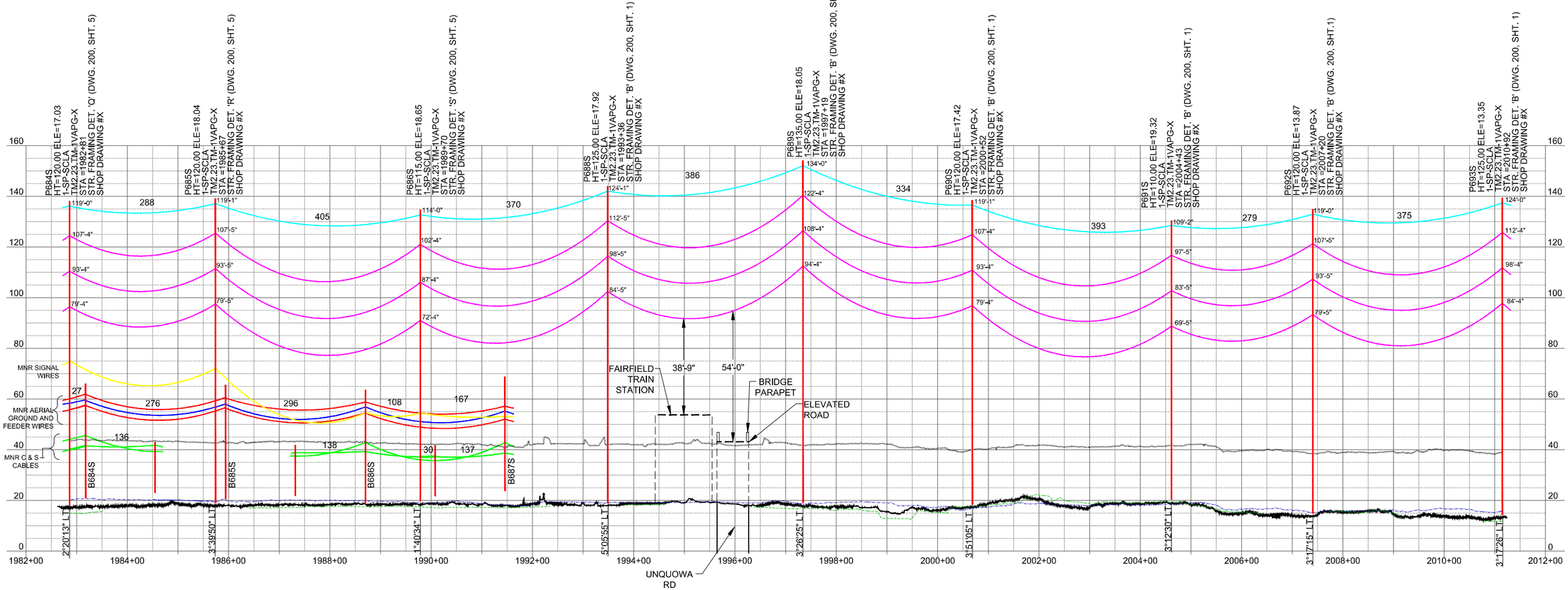
REV.	DATE	BY	DESCRIPTION	APP.
0-0B	4/14/2022	WESTWOOD	ISSUE FOR REVIEW	
0-0A	10/29/2021	WESTWOOD	ISSUE FOR REVIEW	MSP

UI 115 kV RAILROAD PROJECT - SASCO CREEK (B647S) TO ASH CREEK
PLAN AND PROFILE
SHEET 4 OF 8
UI 115kV SC LINE 1430 - SASCO CREEK (B647S) TO ASH CREEK

DR.	ASW	SCALE AS SHOWN	FILE: 1520U-T1430-003.DWG	
CK.	MSP	NO.	1520U-T1430-003	REV. 0-0B
APP.				
DATE	10/29/2021			





PLAN SCALE: 1" = 100'

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

PLAN	SURVEYED	BY	DATE
NOTEBOOK NO.	REVIEWED		
	ROW CHKD		

PROFILE	SURVEYED	BY	DATE
NOTEBOOK NO.	REVIEWED		
	NOTES REDUCED		

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ANSI D

UNDERBUILD CONDUCTOR TYPE	SHIELD WIRE TYPE (WHERE APPLICABLE)	OPGW TYPE	CONDUCTOR TYPE
	336.4 26/7 ACSR "LINNET"	AFL-DNO - 12478 0.726" 96CT. FIBER	INSTALL 1590 45/7 ACSS "LAPWING" DISPLAY/DESIGN 2156 84/19 ACSS "BLUEBIRD"
TENSION	TENSION AS SHOWN	TENSION AS SHOWN	TENSION AS SHOWN
DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.

YR. CONST. W/O

NOTES:
1. SEE STRUCTURE LIST (DWG 1520U-T1430-9000) AND STRUCTURE FRAMING DRAWINGS (DWG 1520U-T1430-200) FOR HARDWARE ASSY. INFO.
2. ALL NEW STRUCTURES WILL BE SUPPORTED BY CONCRETE FOUNDATIONS. SEE DWG 1520U-T1430-400 FOR FURTHER INFORMATION.
3. SEE DWG 1520U-T1430-001 FOR CONSTRUCTION NOTES, DRAWING INDEX, AND PLAN AND PROFILE LEGEND.
4. SEE DWG. 1520U-T1430-002 FOR PHASING DIAGRAMS.

REV.	DATE	BY	DESCRIPTION	APP.

PE Stamp

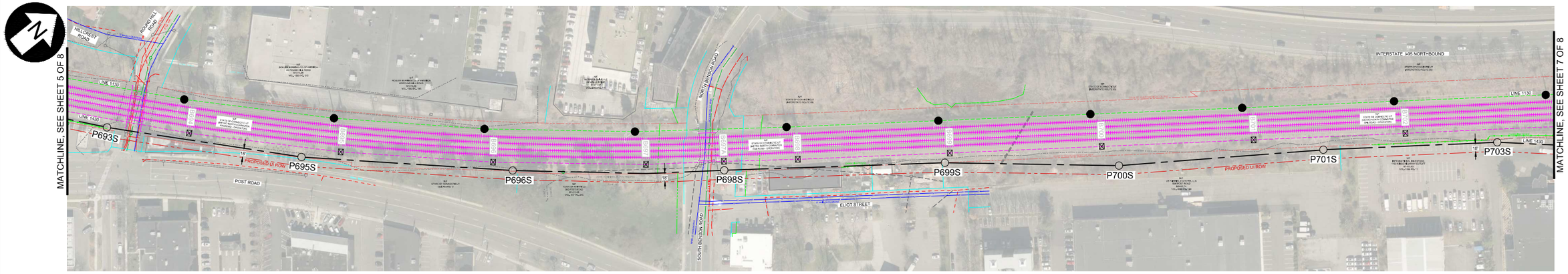
UI AVANGRID

REV.	DATE	BY	DESCRIPTION	APP.
0-0B	4/14/2022	WESTWOOD	ISSUE FOR REVIEW	
0-0A	10/29/2021	WESTWOOD	ISSUE FOR REVIEW	MSP

UI 115 kV RAILROAD PROJECT - SASCO CREEK (B647S) TO ASH CREEK
PLAN AND PROFILE
SHEET 5 OF 8

UI 115kV SC LINE 1430 - SASCO CREEK (B647S) TO ASH CREEK

DR.	ASW	SCALE AS SHOWN	FILE: 1520U-T1430-003.DWG
CK.	MSP	NO. 1520U-T1430-003	REV. 0-0B
APP.			
DATE:	10/29/2021		



1- 0.726" 96 COUNT OPGW = 6700# AT NESC 250B
LINE 1430 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 9500# AT NESC 250B
LINE 1430 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 9500# AT NESC 250B

1- 0.726" 96 COUNT OPGW = 6700# AT NESC 250B
LINE 1430 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 9500# AT NESC 250B
LINE 1430 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 9500# AT NESC 250B

P693S HT=125.00 ELE=13.35 1-SP-SCLA TM2.23.TM-1VAPG-X STA =2010+92 STR. FRAMING DET. 'B' (DWG. 200, SHT. 1) SHOP DRAWING #X

P695S HT=125.00 ELE=11.60 1-SP-SCLA TM2.23.TM-1VAPG-X STA =2014+76 STR. FRAMING DET. 'D' (DWG. 200, SHT. 1) SHOP DRAWING #X

P696S HT=125.00 ELE=11.76 1-SPDE TM2.23.TE-S1CP STA =2019+04 STR. FRAMING DET. 'T' (DWG. 200, SHT. 5) SHOP DRAWING #X

P698S HT=130.00 ELE=9.69 1-SP-SCLA TM2.23.TM-1VAPG-X STA =2023+05 STR. FRAMING DET. 'C' (DWG. 200, SHT. 1) SHOP DRAWING #X

P699S HT=120.00 ELE=6.14 1-SP-SCLA TM2.23.TM-1VAPG-X STA =2027+44 STR. FRAMING DET. 'D' (DWG. 200, SHT. 1) SHOP DRAWING #X

P700S HT=110.00 ELE=7.59 1-SP-SCLA TM2.23.TM-1VAPG-X STA =2031+84 STR. FRAMING DET. 'B' (DWG. 200, SHT. 1) SHOP DRAWING #X

P701S HT=110.00 ELE=8.04 1-SP-SCLA TM2.23.TM-1VAPG-X STA =2034+88 STR. FRAMING DET. 'U' (DWG. 200, SHT. 6) SHOP DRAWING #X

P703S HT=105.00 ELE=9.48 1-SPDE TM2.23.TE-S1CP STA =2038+32 STR. FRAMING DET. 'V' (DWG. 200, SHT. 6) SHOP DRAWING #X

389 418 418 436 344 405 344

124'-0" 112'-4" 98'-4" 84'-4" 124'-2" 112'-5" 95'-5" 78'-5" 125'-9" 113'-2" 97'-2" 83'-2" 129'-0" 117'-4" 101'-4" 85'-4" 125'-0" 113'-4" 96'-4" 79'-4" 112'-8" 100'-11" 86'-11" 72'-11" 113'-0" 101'-4" 86'-4" 71'-4" 108'-3" 95'-8" 77'-8" 59'-8"

82'-4" 83'-3" 51'-10"

BUILDING

3°17'26" LT 5°01'26" LT 3°40'41" LT 1°54'38" LT 2°53'35" RT 5°22'46" LT 1°58'57" RT 5°09'14" RT

ROUND HILL RD S. BENSON RD

2010+00 2012+00 2014+00 2016+00 2018+00 2020+00 2022+00 2024+00 2026+00 2028+00 2030+00 2032+00 2034+00 2036+00 2038+00 2040+00

0 20 40 60 80 100 120 140 160

PLAN		BY	DATE
NOTEBOOK NO.	SURVEYED		
	REVIEWED		
	ROW CHKD		

PLAN SCALE:
1" = 100'

PROFILE		BY	DATE
NOTEBOOK NO.	SURVEYED		
	REVIEWED		
	NOTES REDUCED		

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

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ANSI D

UNDERBUILD CONDUCTOR TYPE	SHIELD WIRE TYPE (WHERE APPLICABLE)	OPGW TYPE	CONDUCTOR TYPE
	336.4 26/7 ACSR "LINNET"	AFL - DNO - 12478 0.726" 96CT. FIBER	INSTALL 1590 45/7 ACSS "LAPWING" DISPLAY/DESIGN 2156 84/19 ACSS "BLUEBIRD"
TENSION	TENSION AS SHOWN	TENSION AS SHOWN	TENSION AS SHOWN
DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.

YR. CONST. W/O

NOTES:
1. SEE STRUCTURE LIST (DWG 1520U-T1430-9000) AND STRUCTURE FRAMING DRAWINGS (DWG 1520U-T1430-200) FOR HARDWARE ASSY. INFO.
2. ALL NEW STRUCTURES WILL BE SUPPORTED BY CONCRETE FOUNDATIONS. SEE DWG 1520U-T1430-400 FOR FURTHER INFORMATION.
3. SEE DWG 1520U-T1430-001 FOR CONSTRUCTION NOTES, DRAWING INDEX, AND PLAN AND PROFILE LEGEND.
4. SEE DWG. 1520U-T1430-002 FOR PHASING DIAGRAMS.

REV.	DATE	BY	DESCRIPTION	APP.

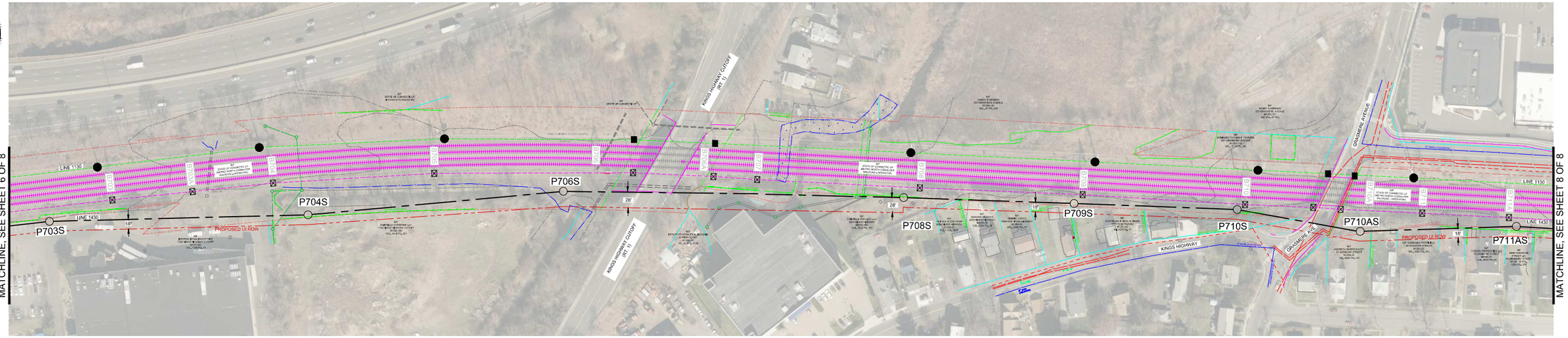
PE Stamp

REV.	DATE	BY	DESCRIPTION	APP.
0-0B	4/14/2022	WESTWOOD	ISSUE FOR REVIEW	
0-0A	10/29/2021	WESTWOOD	ISSUE FOR REVIEW	MSP

UI AVANGRID

UI 115 kV RAILROAD PROJECT - SASCO CREEK (B647S) TO ASH CREEK
PLAN AND PROFILE
SHEET 6 OF 8
UI 115kV SC LINE 1430 - SASCO CREEK (B647S) TO ASH CREEK

DR.	ASW	SCALE AS SHOWN	FILE: 1520U-T1430-003.DWG	
CK.	MSP	NO.	1520U-T1430-003	REV. 0-0B
APP.				
DATE:	10/29/2021			

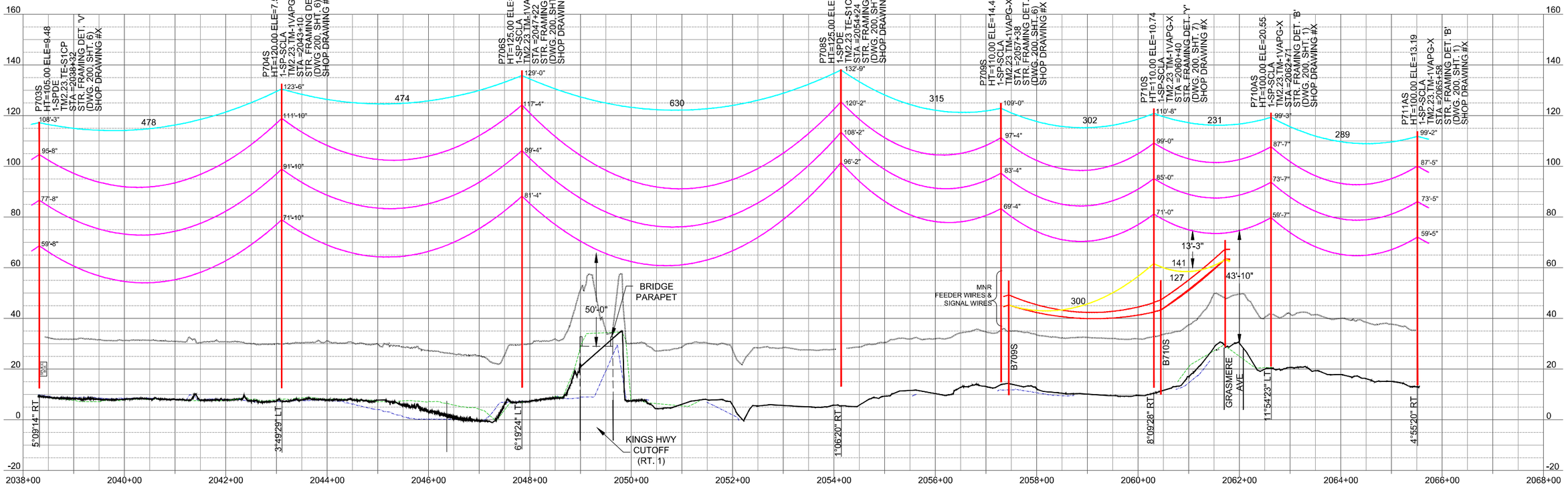


PLAN SCALE:
1" = 100'

PLAN		DATE
	SURVEYED	BY
	REVIEWED	
NOTEBOOK NO.	ROW CHKD	

1- 0.726" 96 COUNT OPGW = 6700# AT NESC 250B
LINE 1430 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 9500# AT NESC 250B
LINE 1430 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 9500# AT NESC 250B

1- 0.726" 96 COUNT OPGW = 4300# AT NESC 250B
LINE 1430 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 9500# AT NESC 250B
LINE 1430 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 9500# AT NESC 250B



PROFILE		DATE
	SURVEYED	BY
	REVIEWED	
NOTEBOOK NO.	NOTES REDUCED	

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

UNDERBUILD CONDUCTOR TYPE	SHIELD WIRE TYPE (WHERE APPLICABLE)	OPGW TYPE	CONDUCTOR TYPE
	336.4 26/7 ACSR "LINNET"	AFL - DNO - 12478 0.726" 96CT. FIBER	INSTALL 1590 45/7 ACSS "LAPWING" DISPLAY/DESIGN 2156 84/19 ACSS "BLUEBIRD"
TENSION	TENSION	TENSION	TENSION
	AS SHOWN	AS SHOWN	AS SHOWN
DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.

YR. CONST. W/O

NOTES:
1. SEE STRUCTURE LIST (DWG 1520U-T1430-9000) AND STRUCTURE FRAMING DRAWINGS (DWG 1520U-T1430-200) FOR HARDWARE ASSY. INFO.
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3. SEE DWG 1520U-T1430-001 FOR CONSTRUCTION NOTES, DRAWING INDEX, AND PLAN AND PROFILE LEGEND.
4. SEE DWG. 1520U-T1430-002 FOR PHASING DIAGRAMS.

REV.	DATE	BY	DESCRIPTION	APP.

PE Stamp

REV.	DATE	BY	DESCRIPTION	APP.
0-0B	4/14/2022	WESTWOOD	ISSUE FOR REVIEW	
0-0A	10/29/2021	WESTWOOD	ISSUE FOR REVIEW	MSP

UI AVANGRID

UI 115 kV RAILROAD PROJECT - SASCO CREEK (B647S) TO ASH CREEK
PLAN AND PROFILE
SHEET 7 OF 8
UI 115kV SC LINE 1430 - SASCO CREEK (B647S) TO ASH CREEK

DR.	ASW	SCALE AS SHOWN	FILE: 1520U-T1430-003.DWG	
CK.	MSP	NO.	1520U-T1430-003	REV. 0-0B
APP.				
DATE:	10/29/2021			

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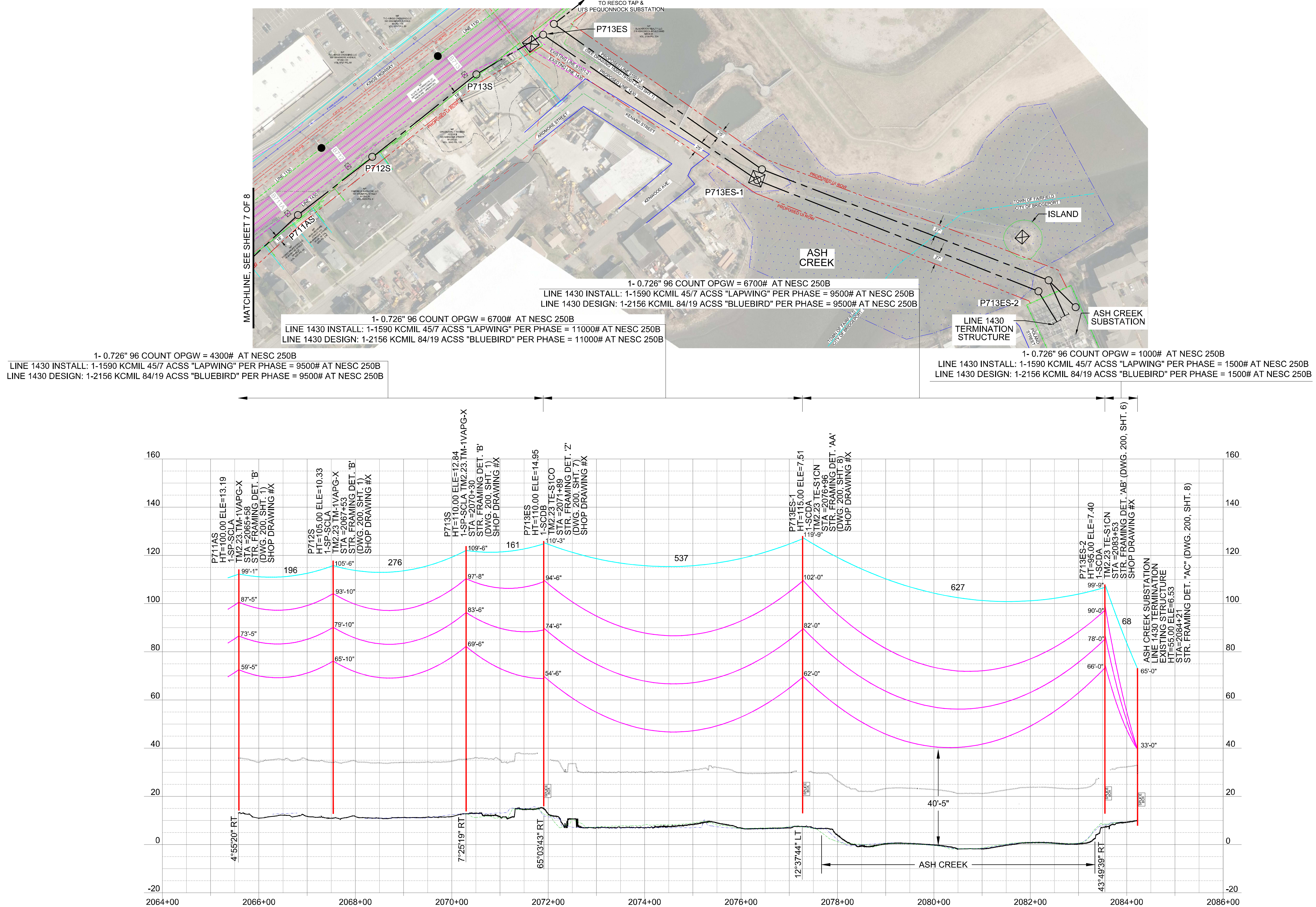
ANSI D



PLAN SCALE:
1" = 100'

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

PLAN	SURVEYED	REVIEWED	ROW CHKD	NOTEBOOK NO.
BY				
DATE				

PROFILE	SURVEYED	REVIEWED	NOTES REDUCED	NOTEBOOK NO.
BY				
DATE				

Westwood

UNDERBUILD CONDUCTOR TYPE	SHIELD WIRE TYPE (WHERE APPLICABLE)	OPGW TYPE	CONDUCTOR TYPE
	336.4 26/7 ACSR "LINNET"	AFL - DNO - 12478 0.726" 96CT. FIBER	INSTALL 1590 45/7 ACSS "LAPWING" DISPLAY/DESIGN 2156 84/19 ACSS "BLUEBIRD"
TENSION	TENSION	TENSION	TENSION
	AS SHOWN	AS SHOWN	AS SHOWN
DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.

YR. CONST. W/O

NOTES:
1. SEE STRUCTURE LIST (DWG 1520U-T1430-9000) AND STRUCTURE FRAMING DRAWINGS (DWG 1520U-T1430-200) FOR HARDWARE ASSY. INFO.
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3. SEE DWG 1520U-T1430-001 FOR CONSTRUCTION NOTES, DRAWING INDEX, AND PLAN AND PROFILE LEGEND.
4. SEE DWG. 1520U-T1430-002 FOR PHASING DIAGRAMS.

REV.	DATE	BY	DESCRIPTION	APP.

PE Stamp

UI AVANGRID

REV.	DATE	BY	DESCRIPTION	APP.
0-0B	4/14/2022	WESTWOOD	ISSUE FOR REVIEW	
0-0A	10/29/2021	WESTWOOD	ISSUE FOR REVIEW	MSP

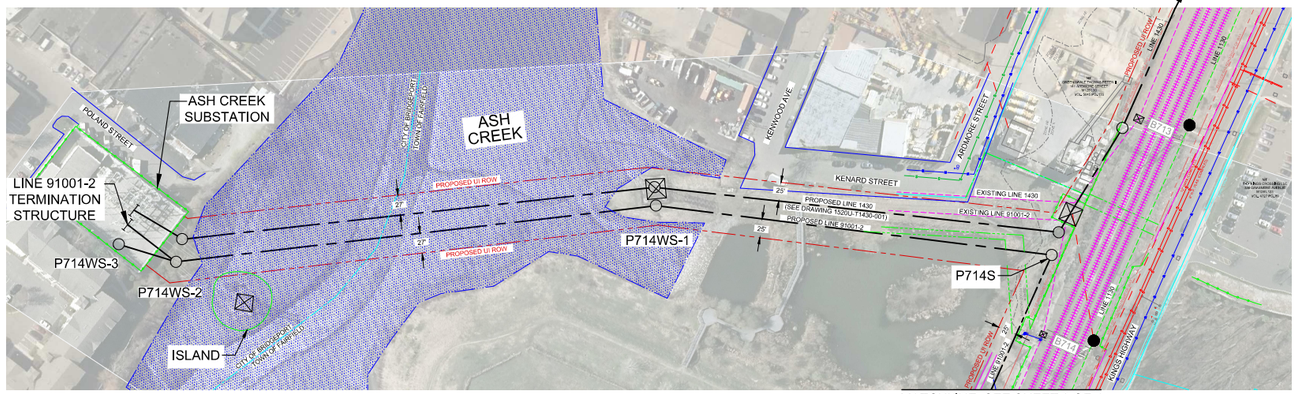
UI 115 kV RAILROAD PROJECT - SASCO CREEK (B647S) TO ASH CREEK
PLAN AND PROFILE
SHEET 8 OF 8

UI 115kV SC LINE 1430 - SASCO CREEK (B647S) TO ASH CREEK

DR.	ASW	SCALE AS SHOWN	FILE: 1520U-T1430-003.DWG
CK.	MSP	NO. 1520U-T1430-003	REV. 0-0B
APP.			
DATE:	10/29/2021		

CADD Drawing, DO NOT REVISE MANUALLY.

ANSI D

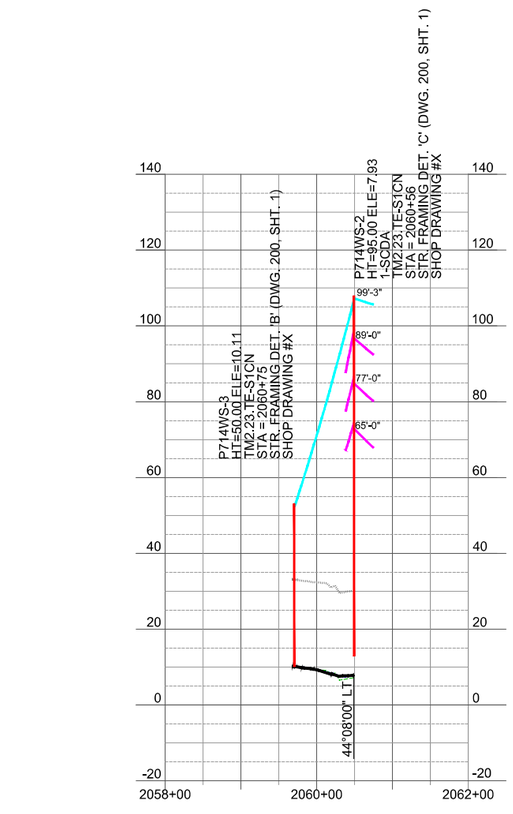


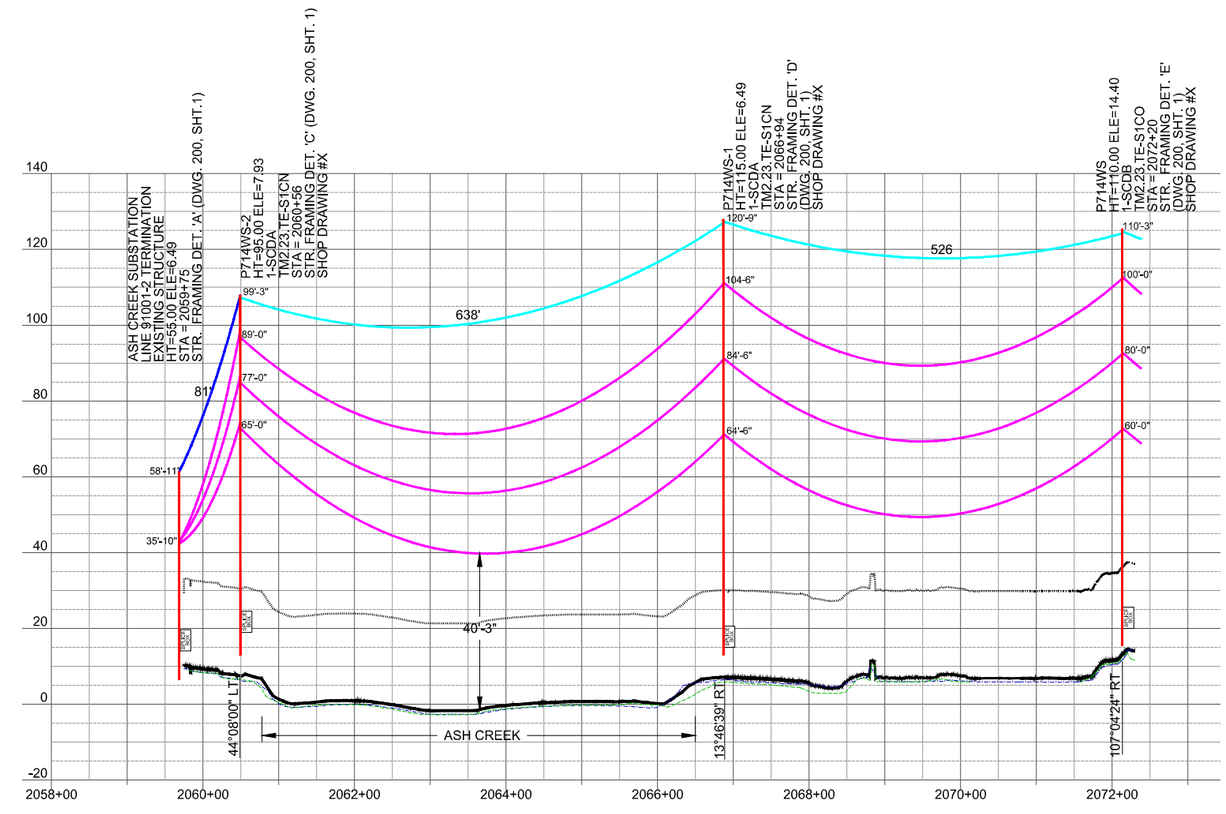
1- 0.583" 72 COUNT OPGW = 1000# AT NESC 250B
LINE: 91001-2 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 1000# AT NESC 250B
LINE: 91001-2 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 1000# AT NESC 250B

1- 0.583" 72 COUNT OPGW = 1000# AT NESC 250B

1- 0.583" 72 COUNT OPGW = 4800# AT NESC 250B
LINE: 91001-2 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 9500# AT NESC 250B
LINE: 91001-2 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 9500# AT NESC 250B

1- 0.583" 72 COUNT OPGW = 6000# AT NESC 250B
LINE: 91001-2 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 10750# AT NESC 250B
LINE: 91001-2 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 10750# AT NESC 250B





PLAN SCALE:
1" = 100'

PLAN		BY	DATE
SURVEYED			
NOTEBOOK NO.	REVIEWED		
	ROW CHKD		

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

PROFILE		BY	DATE
SURVEYED			
NOTEBOOK NO.	REVIEWED		
	NOTES REDUCED		

UNDERBUILD CONDUCTOR TYPE	SHIELD WIRE TYPE (WHERE APPLICABLE)	OPGW TYPE	CONDUCTOR TYPE
	7 #7 ALUMOWELD	AFL-DNO 11467 0.583" 72 CT. FIBER	INSTALL 1590 45/7 ACSS "LAPWING" DISPLAY/DESIGN 2156 84/19 ACSS "BLUEBIRD"
TENSION	TENSION AS SHOWN	TENSION AS SHOWN	TENSION AS SHOWN
DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.

YR, CONST. W/O

NOTES:
1. SEE STRUCTURE LIST (DWG 1520U-T91001-2-9000) AND STRUCTURE FRAMING DRAWINGS (DWG 1520U-T91001-2-200) FOR HARDWARE ASSY. INFO.
2. ALL NEW STRUCTURES WILL BE SUPPORTED BY CONCRETE FOUNDATIONS. SEE DWGS 1520U-T91001-2-400 FOR FURTHER INFORMATION.
3. SEE DWG 1520U-T91001-2-001 FOR CONSTRUCTION NOTES, DRAWING INDEX, AND PLAN AND PROFILE LEGEND.
4. SEE DWG. 1520U-T91001-2-002 FOR PHASING DIAGRAMS.

REV.	DATE	BY	DESCRIPTION	APP.

PE Stamp

REV.	DATE	BY	DESCRIPTION	APP.
0-0B	4/14/2022	WESTWOOD	ISSUE FOR REVIEW	
0-0A	10/29/2021	WESTWOOD	ISSUE FOR REVIEW	

UI AVANGRID

UI 115 kV RAILROAD PROJECT - ASH CREEK TO FAIRFIELD AVE (P737N)
PLAN AND PROFILE
SHEET 1 OF 4
UI 115kV SC LINE 91001-2-ASH CREEK TO FAIRFIELD AVE (P737N)

DR.	ASW	SCALE AS SHOWN	FILE: 1520U-T91001-2-003.DWG	
CK.	MSP	NO.	1520U-T91001-2-003	REV. 0-0B
APP.				
DATE:	10/29/2021			

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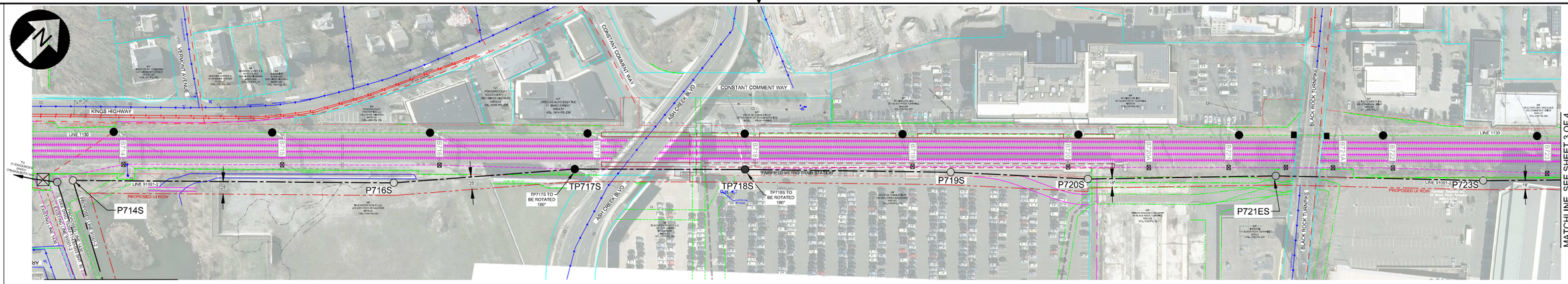
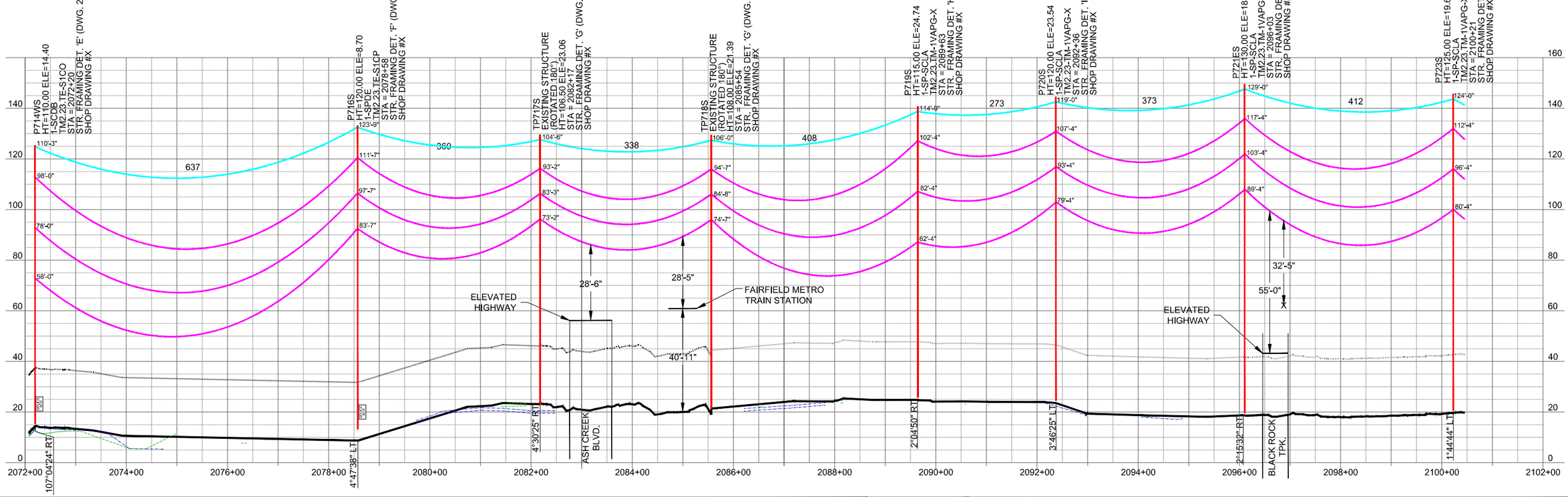
www.westwoodps.com
Westwood Professional Services, Inc.

CADD Drawing. DO NOT REVISE MANUALLY.
ANSI D



1- 0.583" 72 COUNT OPGW = 4800# AT NESC 250B
LINE: 91001-2 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 9500# AT NESC 250B
LINE: 91001-2 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 9500# AT NESC 250B

1- 0.583" 72 COUNT OPGW = 4800# AT NESC 250B
LINE: 91001-2 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 9500# AT NESC 250B
LINE: 91001-2 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 9500# AT NESC 250B



PLAN		BY	DATE
SURVEYED			
NOTEBOOK NO.	REVIEWED		
	ROW CHKD		

PLAN SCALE:
1" = 100'

PROFILE			BY	DATE
SURVEYED				
NOTEBOOK NO.	REVIEWED			
	NOTES REDUCED			

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

CADD Drawing. DO NOT REVISE MANUALLY.
ANSI D

UNDERBUILD CONDUCTOR TYPE	SHIELD WIRE TYPE (WHERE APPLICABLE)	OPGW TYPE	CONDUCTOR TYPE
	7 #7 ALUMOWELD	AFL-DNO 11467 0.583" 72 CT. FIBER	115KV - INSTALL 1590 45/7 ACSS "LAPWING" DISPLAY/DESIGN 2156 84/19 ACSS "BLUEBIRD"
TENSION	TENSION AS SHOWN	TENSION AS SHOWN	TENSION AS SHOWN
DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.

YR, CONST. W/O

NOTES:
1. SEE STRUCTURE LIST (DWG 1520U-T91001-2-9000) AND STRUCTURE FRAMING DRAWINGS (DWG 1520U-T91001-2-200) FOR HARDWARE ASSY. INFO.
2. ALL NEW STRUCTURES WILL BE SUPPORTED BY CONCRETE FOUNDATIONS. SEE DWGS 1520U-T91001-2-400 FOR FURTHER INFORMATION.
3. SEE DWG 1520U-T91001-2-001 FOR CONSTRUCTION NOTES, DRAWING INDEX, AND PLAN AND PROFILE LEGEND.
4. SEE DWG. 1520U-T91001-2-002 FOR PHASING DIAGRAMS.

REV.	DATE	BY	DESCRIPTION	APP.

PE Stamp

REV.	DATE	BY	DESCRIPTION	APP.
0-0B	4/14/2022	WESTWOOD	ISSUE FOR REVIEW	
0-0A	10/29/2021	WESTWOOD	ISSUE FOR REVIEW	

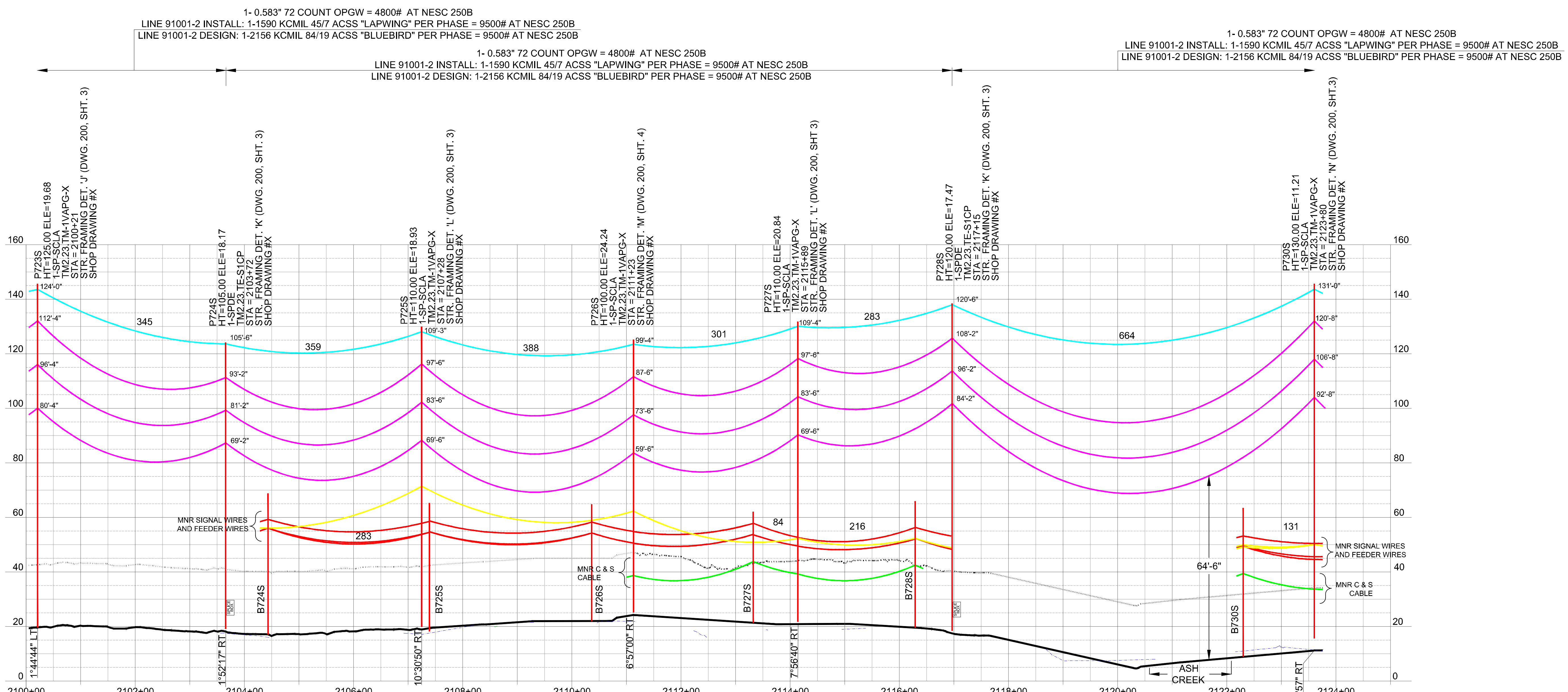
UI AVANGRID

UI 115 kV RAILROAD PROJECT - ASH CREEK TO FAIRFIELD AVE (P737N)
PLAN AND PROFILE
SHEET 2 OF 4
UI 115kV SC LINE 91001-2-ASH CREEK TO FAIRFIELD AVE (P737N)

DR.	ASW	SCALE AS SHOWN	FILE: 1520U-T91001-2-003.DWG
CK.	MSP	NO. 1520U-T91001-2-003	REV. 0-0B
APP.			
DATE:	10/29/2021		

Westwood
Phone (215) 855-7477
Toll Free (888) 937-5150
1684 South Broad Street, Suite 120
Lansdale, PA 19446
Westwood Professional Services, Inc

PLAN SCALE: 1" = 100'



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

UNDERBUILD CONDUCTOR TYPE	SHIELD WIRE TYPE (WHERE APPLICABLE)	OPGW TYPE	CONDUCTOR TYPE
	7 #7 ALUMOWELD	AFL-DNO 11467 0.583" 72 CT. FIBER	INSTALL 1590 45/7 ACSS "LAPWING" DISPLAY/DESIGN 2156 84/19 ACSS "BLUEBIRD"
TENSION	TENSION AS SHOWN	TENSION AS SHOWN	TENSION AS SHOWN
DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.

YR. CONST. W/O

NOTES:
1. SEE STRUCTURE LIST (DWG 1520U-T91001-2-9000) AND STRUCTURE FRAMING DRAWINGS (DWG 1520U-T91001-2-200) FOR HARDWARE ASSY. INFO.
2. ALL NEW STRUCTURES WILL BE SUPPORTED BY CONCRETE FOUNDATIONS. SEE DWGS 1520U-T91001-2-400 FOR FURTHER INFORMATION.
3. SEE DWG 1520U-T91001-2-001 FOR CONSTRUCTION NOTES, DRAWING INDEX, AND PLAN AND PROFILE LEGEND.
4. SEE DWG. 1520U-T91001-2-002 FOR PHASING DIAGRAMS.

PE Stamp

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0-0A	10/29/2021	WESTWOOD	ISSUE FOR REVIEW	

UI AVANGRID

UI 115 kV RAILROAD PROJECT - ASH CREEK TO FAIRFIELD AVE (P737N)

PLAN AND PROFILE

SHEET 3 OF 4

UI 115kV SC LINE 91001-2-ASH CREEK TO FAIRFIELD AVE (P737N)

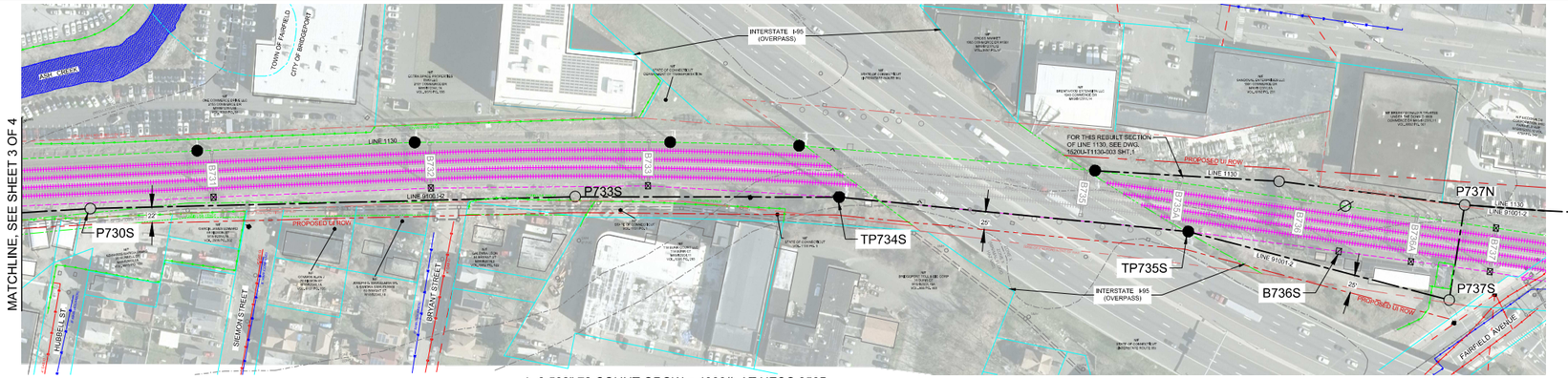
DR. ASW | CK. MSP | APP. | DATE: 10/29/2021 | SCALE AS SHOWN | FILE: 1520U-T91001-2-003.DWG

NO. 1520U-T91001-2-003 REV. 0-0B

Westwood

CADD Drawing. DO NOT REVISE MANUALLY.

ANSI D



MATCHLINE, SEE SHEET 3 OF 4

PLAN SCALE:
1" = 100'

1- 0.583" 72 COUNT OPGW = 4800# AT NESC 250B
LINE 91001-2 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 9500# AT NESC 250B
LINE 91001-2 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 9500# AT NESC 250B

1- 0.583" 72 COUNT OPGW = 4800# AT NESC 250B
LINE 91001-2 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 9500# AT NESC 250B
LINE 91001-2 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 9500# AT NESC 250B

1- 0.583" 72 COUNT OPGW = 4800# AT NESC 250B
LINE 91001-2 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 9500# AT NESC 250B
LINE 91001-2 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 9500# AT NESC 250B

1- 0.583" 72 COUNT OPGW = 4800# AT NESC 250B
LINE 91001-2 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 9000# AT NESC 250B
LINE 91001-2 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 9000# AT NESC 250B

1- 0.583" 72 COUNT OPGW = 1500# AT NESC 250B
LINE 91001-2 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 1500# AT NESC 250B
LINE 91001-2 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 1500# AT NESC 250B

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

CADD Drawing, DO NOT REVISE MANUALLY.

ANSI D

PLAN	SURVEYED	REVIEWED	ROW CHKD
NOTEBOOK NO.			
BY			
DATE			

PROFILE	SURVEYED	REVIEWED	NOTES REDUCED
NOTEBOOK NO.			
BY			
DATE			

UNDERBUILD CONDUCTOR TYPE	SHIELD WIRE TYPE (WHERE APPLICABLE)	OPGW TYPE	CONDUCTOR TYPE
	7 #7 ALUMOWELD	AFL-DNO 11467 0.583" 72 CT. FIBER	INSTALL 1590 45/7 ACSS "LAPWING" DISPLAY/DESIGN 2156 84/19 ACSS "BLUEBIRD"
TENSION	TENSION AS SHOWN	TENSION AS SHOWN	TENSION AS SHOWN
DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.

YR. CONST. W/O

NOTES:
1. SEE STRUCTURE LIST (DWG 1520U-T91001-2-9000) AND STRUCTURE FRAMING DRAWINGS (DWG 1520U-T91001-2-200) FOR HARDWARE ASSY. INFO.
2. ALL NEW STRUCTURES WILL BE SUPPORTED BY CONCRETE FOUNDATIONS. SEE DWGS 1520U-T91001-2-400 FOR FURTHER INFORMATION.
3. SEE DWG 1520U-T91001-2-001 FOR CONSTRUCTION NOTES, DRAWING INDEX, AND PLAN AND PROFILE LEGEND.
4. SEE DWG. 1520U-T91001-2-002 FOR PHASING DIAGRAMS.

REV.	DATE	BY	DESCRIPTION	APP.

PE Stamp

REV.	DATE	BY	DESCRIPTION	APP.
0-0B	4/14/2022	WESTWOOD	ISSUE FOR REVIEW	
0-0A	10/29/2021	WESTWOOD	ISSUE FOR REVIEW	

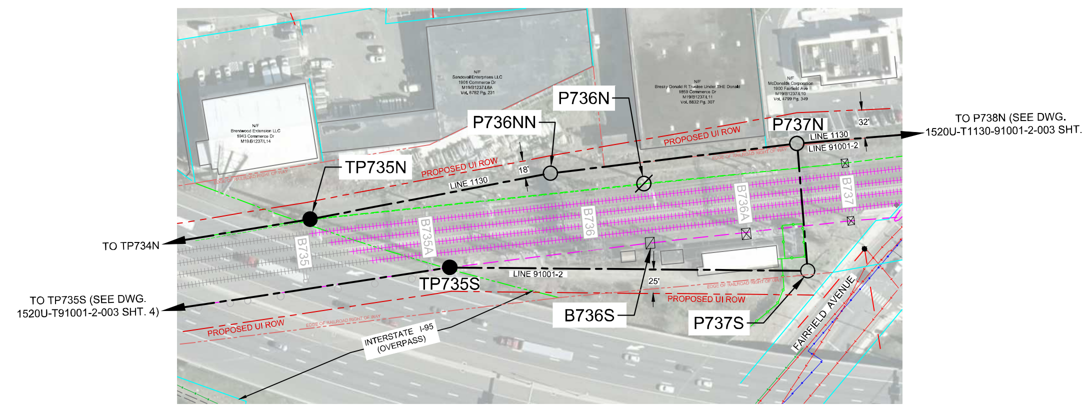
UI AVANGRID

UI 115 kV RAILROAD PROJECT - ASH CREEK TO FAIRFIELD AVE (P737N)
PLAN AND PROFILE
SHEET 4 OF 4

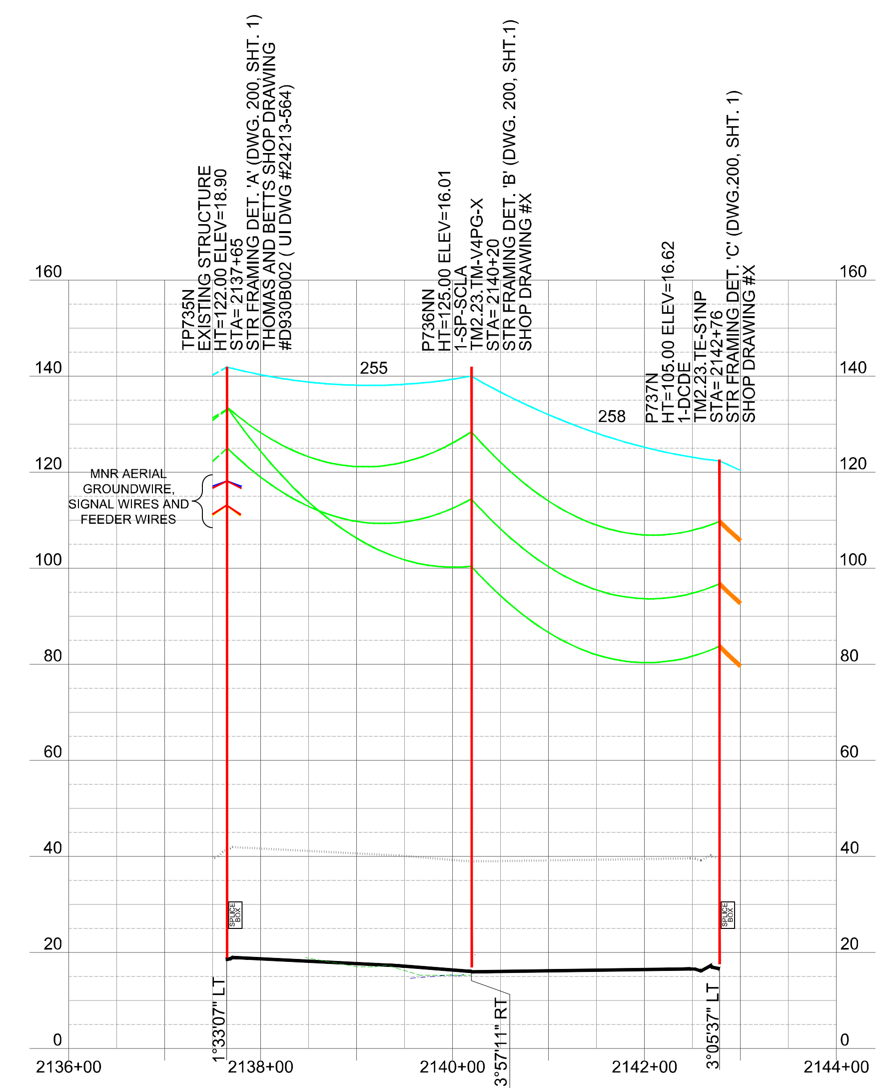
UI 115kV SC LINE 91001-2-ASH CREEK TO FAIRFIELD AVE (P737N)

DR. ASW
CK. MSP
APP.
DATE: 10/29/2021
SCALE AS SHOWN
FILE: 1520U-T91001-2-003.DWG
NO. 1520U-T91001-2-003
REV. 0-0B

Westwood



1 - 0.583" 72 COUNT OPGW = 4800# AT NESC 250B
LINE 1130 INSTALL : 1-1590 KCMIL 45/7 STR ACSS "LAPWING" PER PHASE = 7000# AT NESC 250B
LINE 1130 DESIGN : 1-2156 KCMIL 84/19 STR ACSS "BLUEBIRD" PER PHASE = 7000# AT NESC 250B



DATE	BY		
PLAN	SURVEYED		
NOTEBOOK NO.	REVIEWED		
	ROW CHKD		

PLAN SCALE:
1" = 100'

Westwood

DATE	BY		
PROFILE	SURVEYED		
NOTEBOOK NO.	REVIEWED		
	NOTES REDUCED		

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

CADD Drawing. DO NOT REVISE MANUALLY.

ANSI D

UNDERBUILD CONDUCTOR TYPE	SHIELD WIRE TYPE	OPGW TYPE	CONDUCTOR TYPE
		AFL-DNO - 11467 0.583" 72 CT. FIBER	INSTALL 1590 45/7 ACSS "LAPWING" DISPLAY/DESIGN 2156 84/19 ACSS "BLUEBIRD"
TENSION	TENSION	TENSION AS SHOWN	TENSION AS SHOWN
DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.

YR. CONST. W/O

NOTES:
1. SEE STRUCTURE LIST (DWG 1520U-T1130-9000) AND STRUCTURE FRAMING DRAWINGS (DWG 1520U-T1130-200) FOR HARDWARE ASSY. INFO.
2. ALL NEW STRUCTURES WILL BE SUPPORTED BY CONCRETE FOUNDATIONS. SEE DWG 1520U-T1130-400 FOR FURTHER INFORMATION.
3. SEE DWG 1520U-T1130-001 FOR CONSTRUCTION NOTES, DRAWING INDEX, AND PLAN AND PROFILE LEGEND.
4. SEE DWG. 1520U-T1130-002 FOR PHASING DIAGRAMS.

REV.	DATE	BY	DESCRIPTION	APP.

PE Stamp

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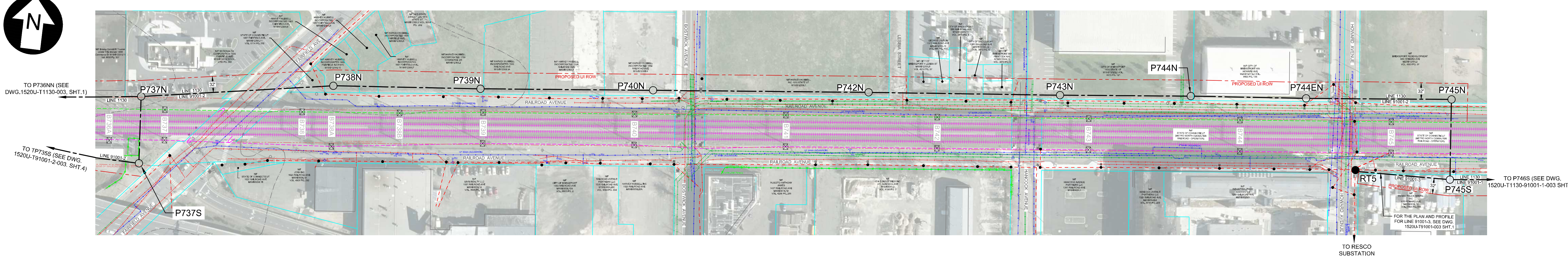
0-0A	10/29/2021	WESTWOOD	ISSUE FOR REVIEW	

UI 115 kV RAILROAD PROJECT - I-95 (TP735N) TO FAIRFIELD AVE (P737N)
PLAN AND PROFILE
SHEET 1 OF 1

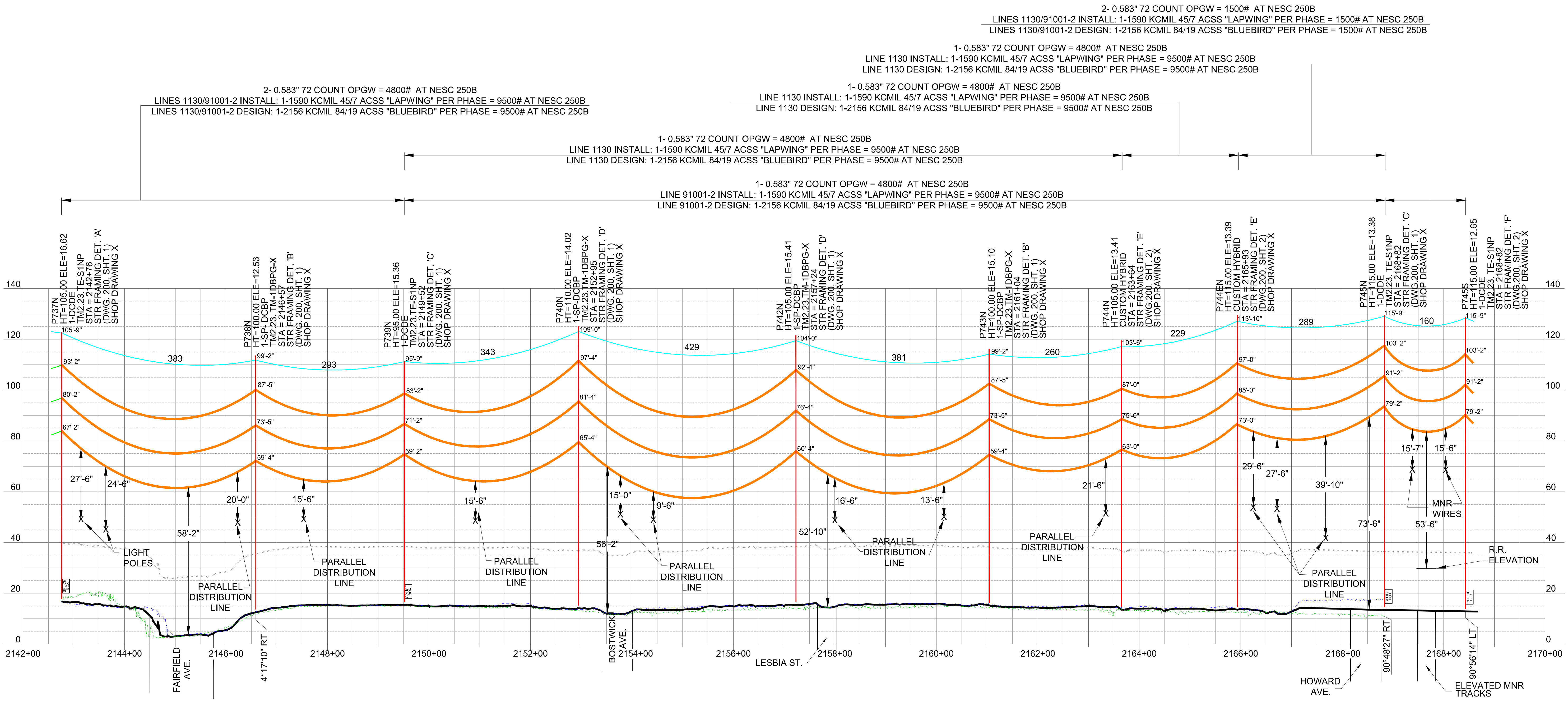
UI 115kV SC LINE 1130 - I-95(TP735N) TO FAIRFIELD AVE (P737N)

DR.	ASW	SCALE AS SHOWN	FILE: 1520U-T1130-003.DWG
CK.	MSP	NO. 1520U-T1130-003	REV. 0-0B
APP.			
DATE:	10/29/2021		

PLAN SCALE: 1" = 100'



N
TO P736NN (SEE DWG.1520U-T1130, SHT.1)
P737N
P738N
P739N
P740N
P742N
P743N
P744N
P744EN
P745N
TO TP735S (SEE DWG. 1520U-T91001-2-003, SHT.4)
P737S
RAILROAD AVENUE
PROPOSED UI ROW
RT5
P745S
TO P746S (SEE DWG. 1520U-T1130-91001-1-003 SHT. 1)
FOR THE PLAN AND PROFILE FOR LINE 91001-3, SEE DWG. 1520U-T91001-003 SHT.1
TO RESCO SUBSTATION



2- 0.583" 72 COUNT OPGW = 1500# AT NESC 250B
LINES 1130/91001-2 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 1500# AT NESC 250B
LINES 1130/91001-2 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 1500# AT NESC 250B
1- 0.583" 72 COUNT OPGW = 4800# AT NESC 250B
LINE 1130 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 9500# AT NESC 250B
LINE 1130 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 9500# AT NESC 250B
2- 0.583" 72 COUNT OPGW = 4800# AT NESC 250B
LINES 1130/91001-2 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 9500# AT NESC 250B
LINES 1130/91001-2 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 9500# AT NESC 250B
1- 0.583" 72 COUNT OPGW = 4800# AT NESC 250B
LINE 91001-2 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 9500# AT NESC 250B
LINE 91001-2 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 9500# AT NESC 250B
383
293
343
429
381
260
229
289
160
LIGHT POLES
PARALLEL DISTRIBUTION LINE
MNR WIRES
R.R. ELEVATION
FAIRFIELD AVE.
BOSTWICK AVE.
LESBIA ST.
HOWARD AVE.
ELEVATED MNR TRACKS
2142+00
2144+00
2146+00
2148+00
2150+00
2152+00
2154+00
2156+00
2158+00
2160+00
2162+00
2164+00
2166+00
2168+00
2170+00

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

CADD Drawing, DO NOT REVISE MANUALLY.

UNDERBUILD CONDUCTOR TYPE	SHIELD WIRE TYPE	OPGW TYPE	CONDUCTOR TYPE
		AFL-DNO - 11467 0.583" 72 CT. FIBER	INSTALL 1590 45/7 ACSS "LAPWING" DISPLAY/DESIGN 2156 84/19 ACSS "BLUEBIRD"
TENSION	TENSION	TENSION AS SHOWN	TENSION AS SHOWN
DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.

YR. CONST. W/O

NOTES:
1. SEE STRUCTURE LIST (DWG 1520U-T1130-91001-2-9000) AND STRUCTURE FRAMING DRAWINGS (DWG 1520U-T1130-91001-2-200) FOR HARDWARE ASSY. INFO.
2. ALL NEW STRUCTURES WILL BE SUPPORTED BY CONCRETE FOUNDATIONS. SEE DWG 1520U-T1130-91001-2-400 FOR FURTHER INFORMATION.
3. SEE DWG 1520U-T1130-91001-2-001 FOR CONSTRUCTION NOTES, DRAWING INDEX, AND PLAN AND PROFILE LEGEND.
4. SEE DWG. 1520U-T1130-91001-2-002 FOR PHASING DIAGRAMS.

PE Stamp

REV.	DATE	BY	DESCRIPTION	APP.
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0-0A	10/29/2021	WESTWOOD	ISSUE FOR REVIEW	

UI AVANGRID

UI 115 kV RAILROAD PROJECT - FAIRFIELD AVE (P737N) TO RESCO TAP (P745S)
PLAN AND PROFILE

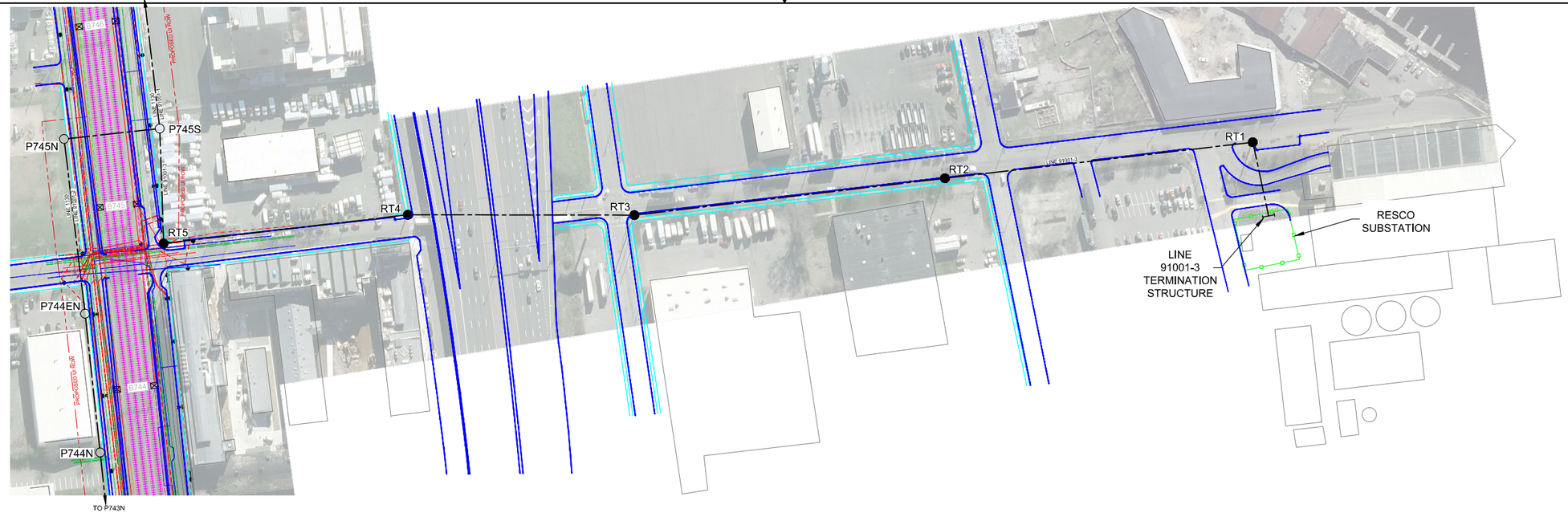
SHEET 1 OF 1

UI 115kV SC LINES 1130 & 91001-2 - FAIRFIELD AVE (P737N) TO RESCO TAP (P745S)

DR.	ASW	SCALE AS SHOWN	FILE: 1520U-T1130-91001-2-003.DWG
CK.	MSP	NO. 1520U-T1130-91001-2-003	REV. 0-0B
APP.			
DATE:	10/29/2021		

ANSI D

TO P746S
(SEE DWG.1520U-T1130-91001-1-003 SHT. 1)

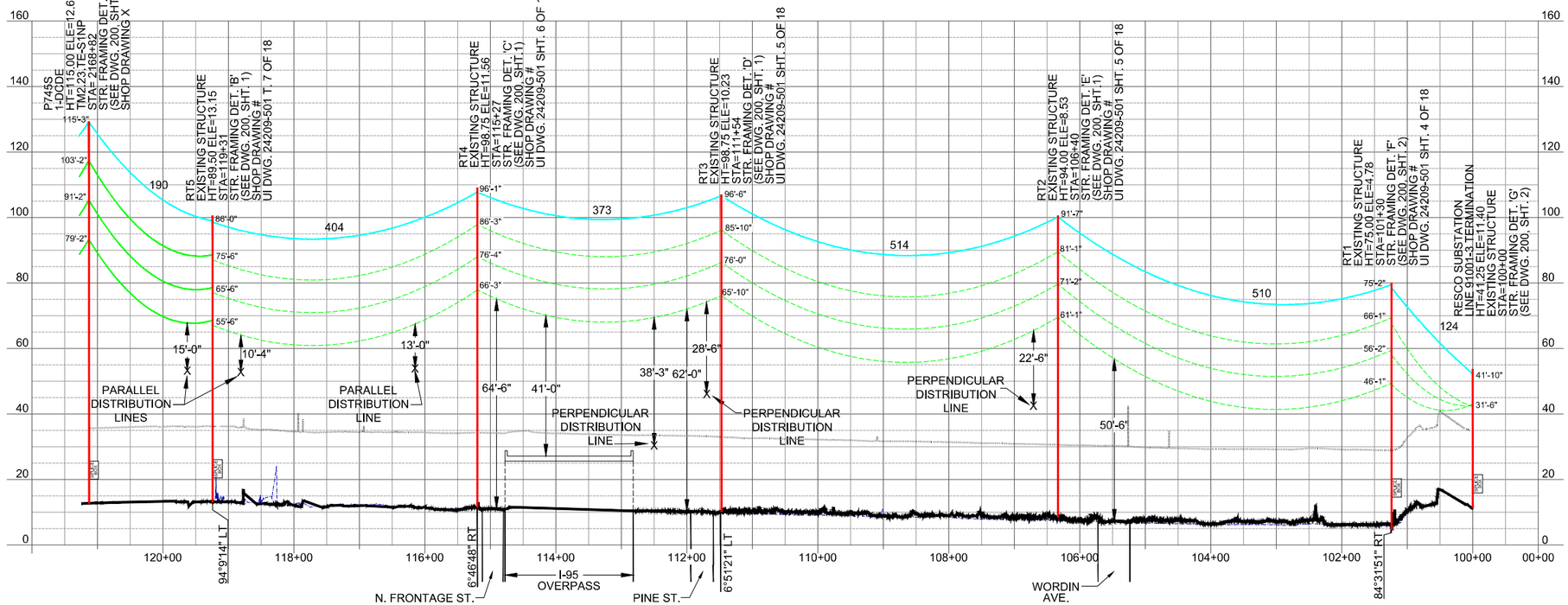


TO P743N
(SEE DWG.1520U-T1130-91001-2-003 SHT. 1)

1-0.583" 72 COUNT OPGW = 1300# AT NESC 250B
1-795 KCMIL 45/7 ACSR "TERN" PER PHASE = 1500# AT NESC 250B

1-0.583" 72 COUNT OPGW = 3200# AT NESC 250B
EXISTING CONDUCTOR TO REMAIN

1-0.583" 72 COUNT OPGW = 1000# AT NESC 250B
EXISTING CONDUCTOR TO REMAIN



PLAN SCALE:
1" = 100'

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

PLAN	NOTEBOOK NO.	SURVEYED	REVIEWED	ROW CHKD	BY	DATE

PROFILE	NOTEBOOK NO.	SURVEYED	REVIEWED	NOTES REDUCED	BY	DATE

Westwood
Surveying & Engineering
1200 Whitewater Drive, Suite #200
Minnetonka, MN 55343
Phone (952) 937-5150
Fax (952) 937-5822
Toll Free (888) 937-5150
www.westwoodps.com
Westwood Surveying and Engineering, P.C.

CADD Drawing. DO NOT REVISE MANUALLY.

ANSI D

UNDERBUILD CONDUCTOR TYPE	NEUTRAL CONDUCTOR TYPE	OPGW TYPE	CONDUCTOR TYPE
		AFL-DNO 11467 0.583" 72 CT, FIBER	115KV - INSTALL795 45/7 ACSR "TERN" DISPLAY/DESIGN 795 45/7 ACSR "TERN"
TENSION	TENSION	TENSION AS SHOWN	TENSION AS SHOWN
DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.

YR. CONST. W/O

NOTES:
1. SEE STRUCTURE LIST AND STRUCTURE FRAMING DRAWINGS FOR ALL HARDWARE ASSEMBLY INFORMATION.
2. NEW STRUCTURES WILL BE SUPPORTED BY CONCRETE FOUNDATIONS. SEE DWG 1520U-T91001-3-400 FOR FURTHER INFORMATION
3. SEE DWG 1520-T91001-3-001 FOR CONSTRUCTION NOTES, DRAWING INDEX AND PLAN AND PROFILE LEGEND
4. SEE REFERENCE DRAWING 24209-100 & 24209-101 FOR ORIGINAL RESCO TAP PLAN & PROFILES & STRINGING CHART
5. SEE DWG. 1520U-T91001-3-002 FOR PHASING DIAGRAMS.

REV.	DATE	BY	DESCRIPTION	APP.

PE Stamp

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REV.	DATE	BY	DESCRIPTION	APP.
0-0B	4/22/2022	WESTWOOD	ISSUE FOR REVIEW	
0-0A	12/31/2021	WESTWOOD	ISSUE FOR REVIEW	

UI 115 kV RAILROAD PROJECT - RESCO TAP (P745S) TO RESCO SUBSTATION

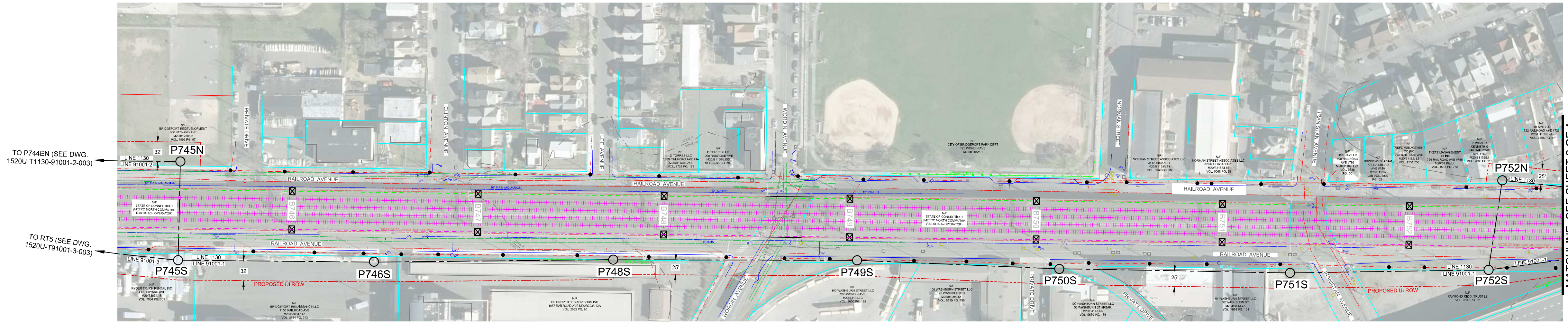
PLAN AND PROFILE

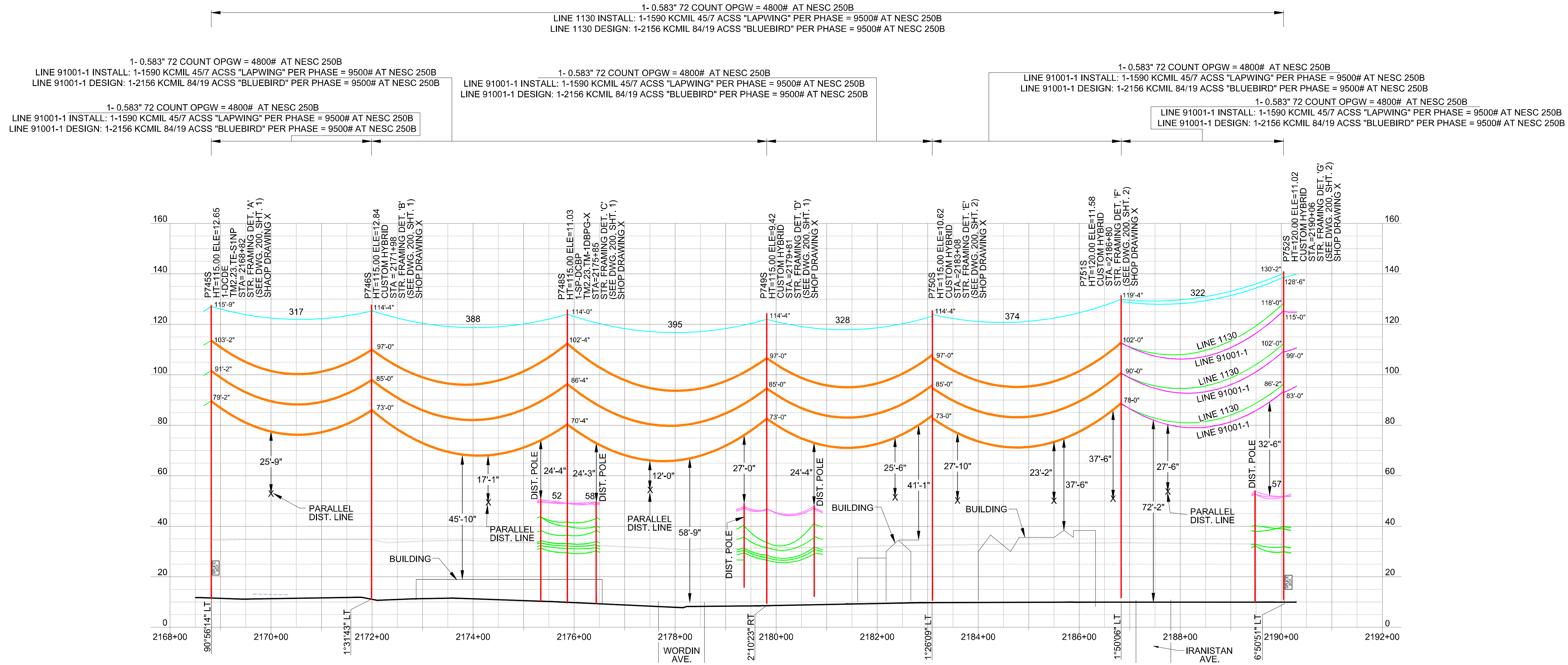
SHEET 1 OF 1

UI 115kV SC LINE 91001-3 - RESCO TAP (P745S) TO RESCO SUBSTATION

DR.	ASW	SCALE AS SHOWN	FILE: 1520U-T91001-3-003.DWG
CK.	MSP	NO. 1520U-T91001-3-003	REV. 0-0B
APP.			
DATE:	12/31/2021		

PLAN SCALE:
1" = 100'





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

UNDERBUILD CONDUCTOR TYPE	SHIELD WIRE TYPE	OPGW TYPE	CONDUCTOR TYPE
		AFL-DNO 11467 0.583" 72 CT. FIBER	INSTALL1590 45/7 ACSS "LAPWING" DISPLAY/DESIGN 2156 84/19 ACSS "BLUEBIRD"
TENSION	TENSION	TENSION AS SHOWN	TENSION AS SHOWN
DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.

YR. CONST. W/O

NOTES:
1. SEE STRUCTURE LIST DWG. 1520U-T1130-91001-1-9000 AND STRUCTURE FRAMING DWG. 1520U-T1130-91001-1-200 FOR ALL HARDWARE ASSEMBLY INFORMATION.
2. ALL NEW STRUCTURES WILL BE SUPPORTED BY CONCRETE FOUNDATIONS. SEE DWG. 1520U-T1130-91001-1-400 FOR FURTHER INFORMATION.
3. SEE DWG. 1520U-T1130-91001-1-001 FOR CONSTRUCTION NOTES, DRAWING INDEX AND PLAN AND PROFILE LEGEND.
4. SEE DWG. 1520U-T1130-91001-1-002 FOR PHASING DIAGRAMS

PE Stamp

REV.	DATE	BY	DESCRIPTION	APP.
0-0B	4/22/2022	WESTWOOD	ISSUE FOR REVIEW	
0-0A	12/31/2021	WESTWOOD	ISSUE FOR REVIEW	

UI AVANGRID

UI 115 kV RAILROAD PROJECT - RESCO TAP (P745S) TO PEQUONNOCK SUBSTATION
PLAN AND PROFILE
SHEET 1 OF 4

UI 115kV DC LINES 1130-91001-1 - RESCO TAP (P745S) TO PEQUONNOCK SUBSTATION

DR. ASW | SCALE AS SHOWN | FILE: 1520U-T1130-91001-1-003.DWG
CK. MSP | NO. 1520U-T1130-91001-1-003 | REV. 0-0B
APP.
DATE: 12/31/2021

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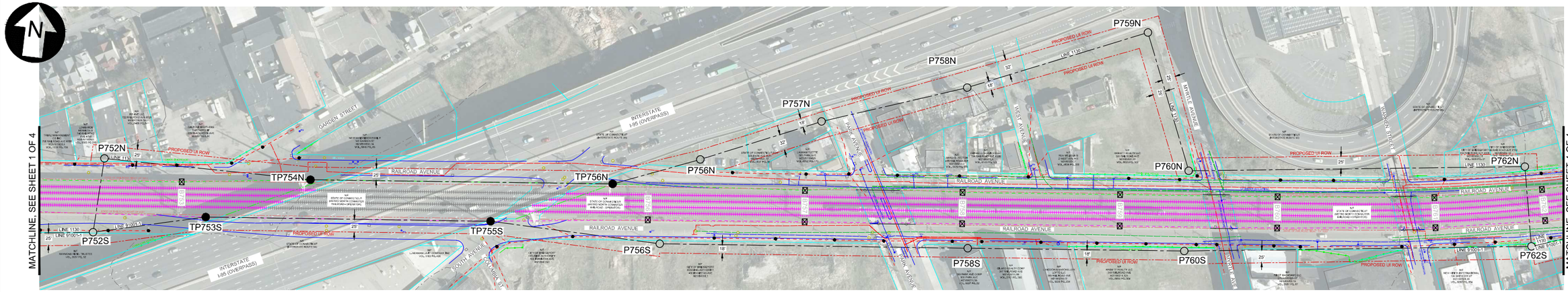
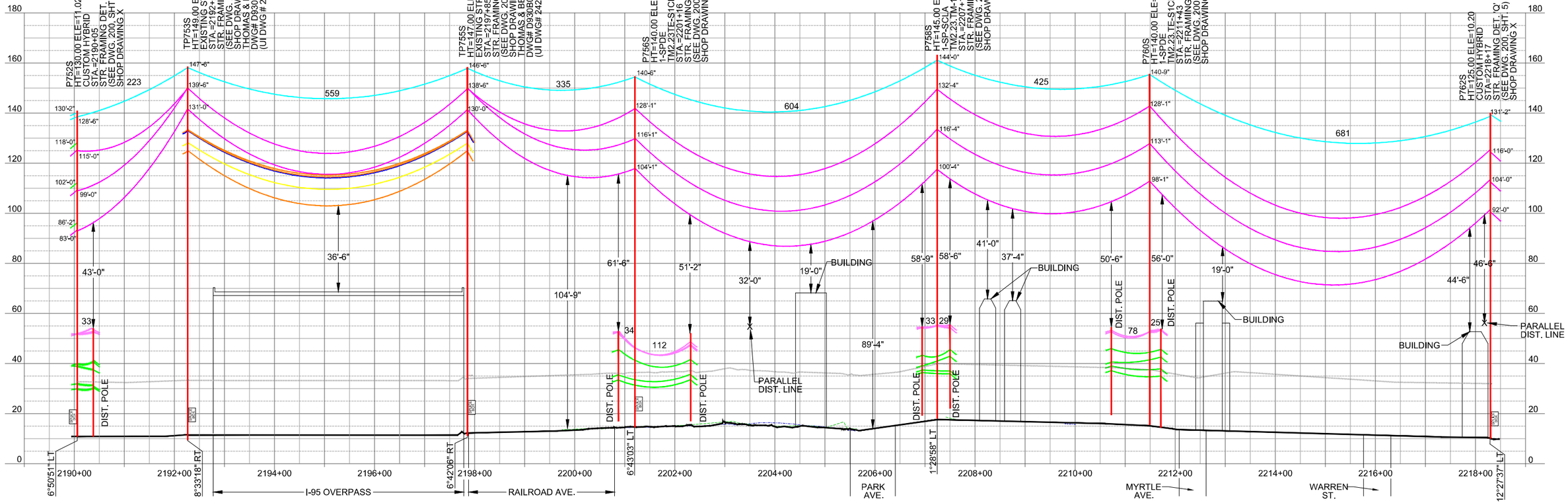


2- 0.583" 72 COUNT OPGW = 4800# AT NESC 250B
LINES 1130 / 91001-1 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 9500# AT NESC 250B
LINES 1130 / 91001-1 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 9500# AT NESC 250B



PLAN SCALE:
1" = 100'

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

PLAN	SURVEYED	BY	DATE
NOTEBOOK NO.	REVIEWED		
	ROW CHKD		

PROFILE	SURVEYED	BY	DATE
NOTEBOOK NO.	REVIEWED		
	NOTES REDUCED		

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Westwood Professional Services, Inc.

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ANSI D

UNDERBUILD CONDUCTOR TYPE	SHIELD WIRE TYPE	OPGW TYPE	CONDUCTOR TYPE
		AFL-DNO 11467 0.583" 72 CT. FIBER	INSTALL1590 45/7 ACSS "LAPWING" DISPLAY/DESIGN 2156 84/19 ACSS "BLUEBIRD"
TENSION	TENSION	TENSION AS SHOWN	TENSION AS SHOWN
DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.

YR. CONST. W/O

NOTES:
1. SEE STRUCTURE LIST DWG. 1520U-T1130-91001-1-9000 AND STRUCTURE FRAMING DWG. 1520U-T1130-91001-1-200 FOR ALL HARDWARE ASSEMBLY INFORMATION.
2. ALL NEW STRUCTURES WILL BE SUPPORTED BY CONCRETE FOUNDATIONS. SEE DWG. 1520U-T1130-91001-1-400 FOR FURTHER INFORMATION.
3. SEE DWG. 1520U-T1130-91001-1-001 FOR CONSTRUCTION NOTES, DRAWING INDEX AND PLAN AND PROFILE LEGEND.
4. SEE DWG. 1520U-T1130-91001-1-002 FOR PHASING DIAGRAMS

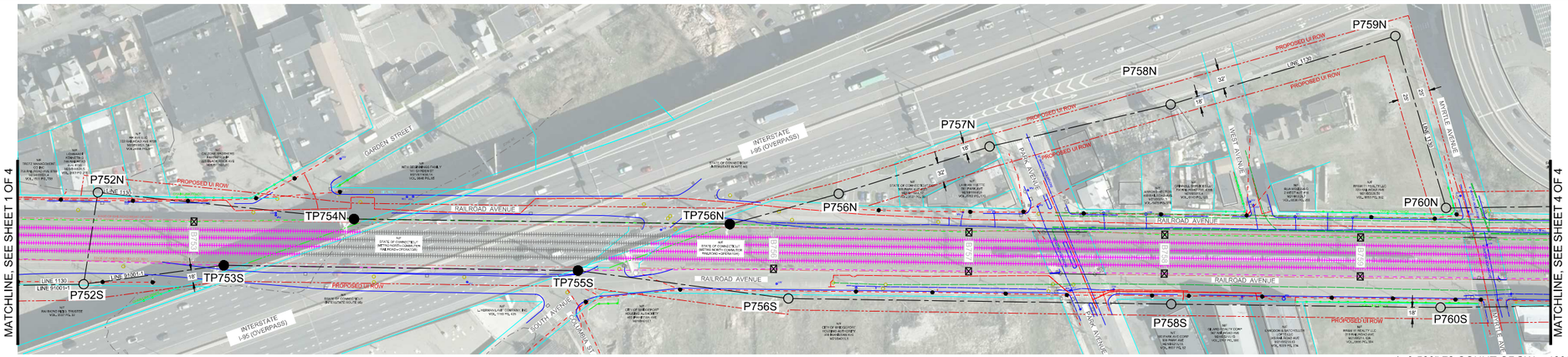
REV.	DATE	BY	DESCRIPTION	APP.
0-0B	4/22/2022	WESTWOOD	ISSUE FOR REVIEW	
0-0A	12/31/2021	WESTWOOD	ISSUE FOR REVIEW	MSP

PE Stamp

UI AVANGRID

UI 115 kV RAILROAD PROJECT - RESCO TAP (P745S) TO PEQUONNOCK SUBSTATION
PLAN AND PROFILE
SHEET 2 OF 4
UI 115kV DC LINES 1130-91001-1 - RESCO TAP (P745S) TO PEQUONNOCK SUBSTATION

DR.	ASW	SCALE AS SHOWN	FILE: 1520U-T1130-91001-1-003.DWG	
CK.	MSP	NO.	1520U-T1130-91001-1-003	REV. 0-0B
APP.				
DATE:	12/31/2021			

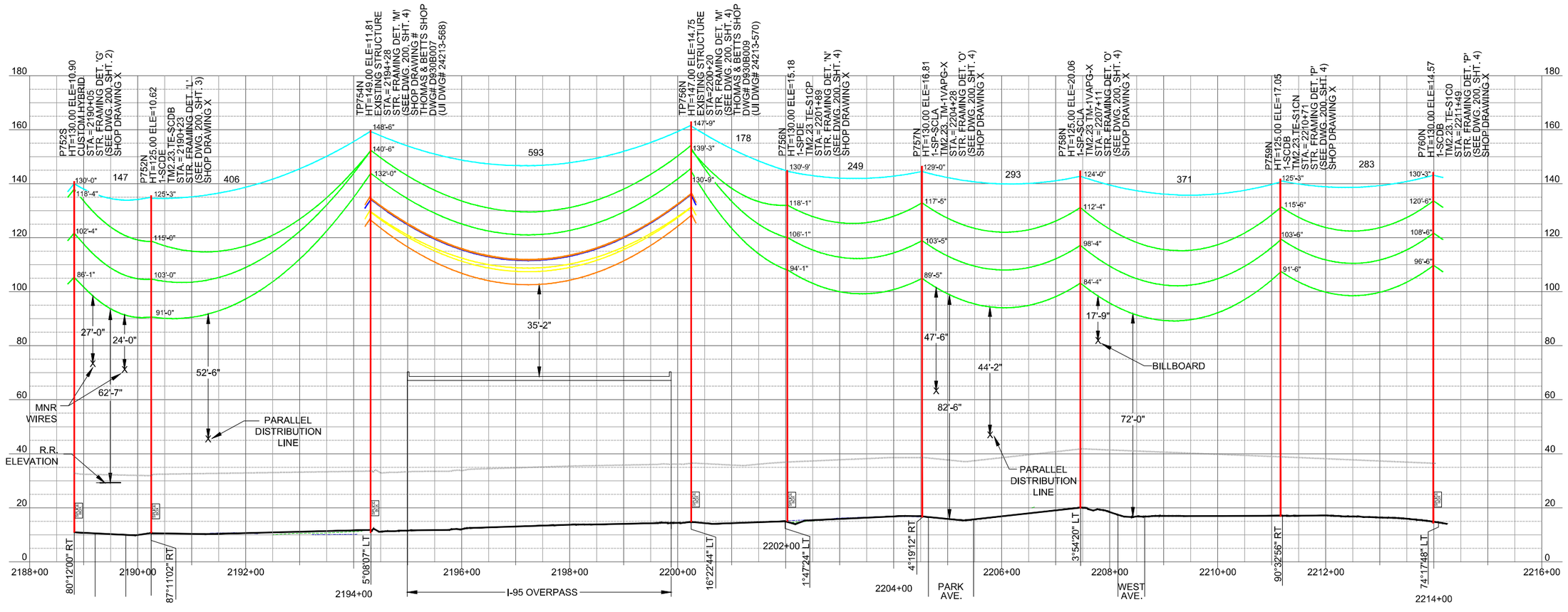


1- 0.583" 72 COUNT OPGW = 1500# AT NESC 250B
LINE: 1130 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 1500# AT NESC 250B
LINE: 1130 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 1500# AT NESC 250B

1- 0.583" 72 COUNT OPGW = 4800# AT NESC 250B
LINE: 1130 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 9500# AT NESC 250B
LINE: 1130 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 9500# AT NESC 250B

1- 0.583" 72 COUNT OPGW = 3200# AT NESC 250B
LINE: 1130 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 9500# AT NESC 250B
LINE: 1130 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 9500# AT NESC 250B

1- 0.583" 72 COUNT OPGW = 4800# AT NESC 250B
LINE: 1130 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 9500# AT NESC 250B
LINE: 1130 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 9500# AT NESC 250B



PLAN SCALE:
1" = 100'

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

PLAN	NOTEBOOK NO.	SURVEYED	REVIEWED	ROW CHKD	BY	DATE

PROFILE	NOTEBOOK NO.	SURVEYED	REVIEWED	NOTES REDUCED	BY	DATE

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Westwood Professional Services, Inc.

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UNDERBUILD CONDUCTOR TYPE	SHIELD WIRE TYPE	OPGW TYPE	CONDUCTOR TYPE
		AFL-DNO 11467 0,583" 72 CT, FIBER	INSTALL1590 45/7 ACSS "LAPWING" DISPLAY/DESIGN 2156 84/19 ACSS "BLUEBIRD"
TENSION	TENSION	TENSION	TENSION
		AS SHOWN	AS SHOWN
DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.

YR. CONST. W/O

NOTES:
1. SEE STRUCTURE LIST DWG. 1520U-T1130-91001-1-9000 AND STRUCTURE FRAMING DWG. 1520U-T1130-91001-1-200 FOR ALL HARDWARE ASSEMBLY INFORMATION.
2. ALL NEW STRUCTURES WILL BE SUPPORTED BY CONCRETE FOUNDATIONS. SEE DWG. 1520U-T1130-91001-1-400 FOR FURTHER INFORMATION.
3. SEE DWG. 1520U-T1130-91001-1-001 FOR CONSTRUCTION NOTES, DRAWING INDEX AND PLAN AND PROFILE LEGEND.
4. SEE DWG. 1520U-T1130-91001-1-002 FOR PHASING DIAGRAMS

REV.	DATE	BY	DESCRIPTION	APP.

PE Stamp

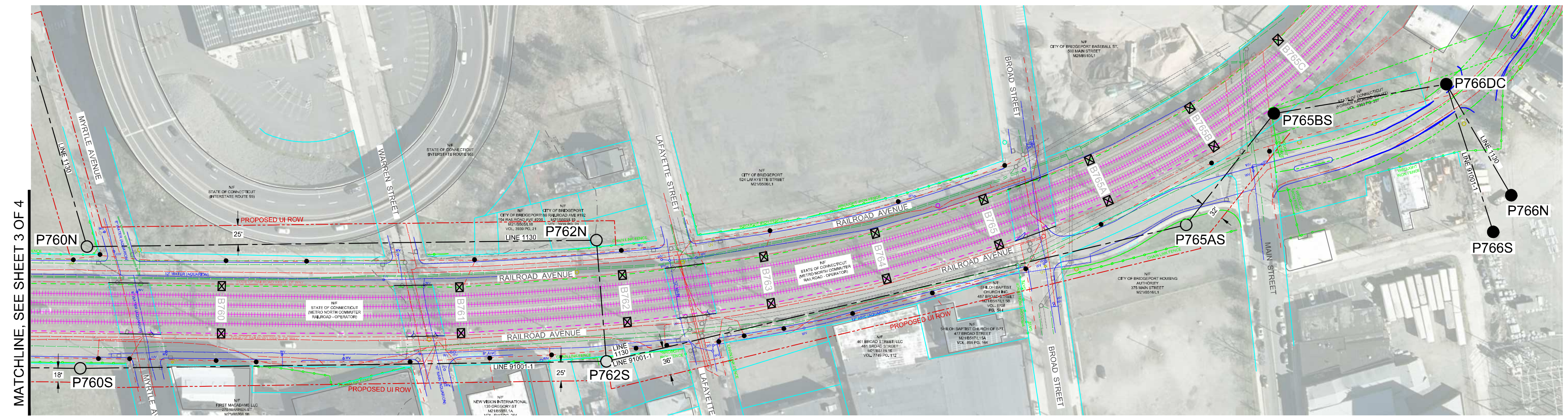
UI AVANGRID

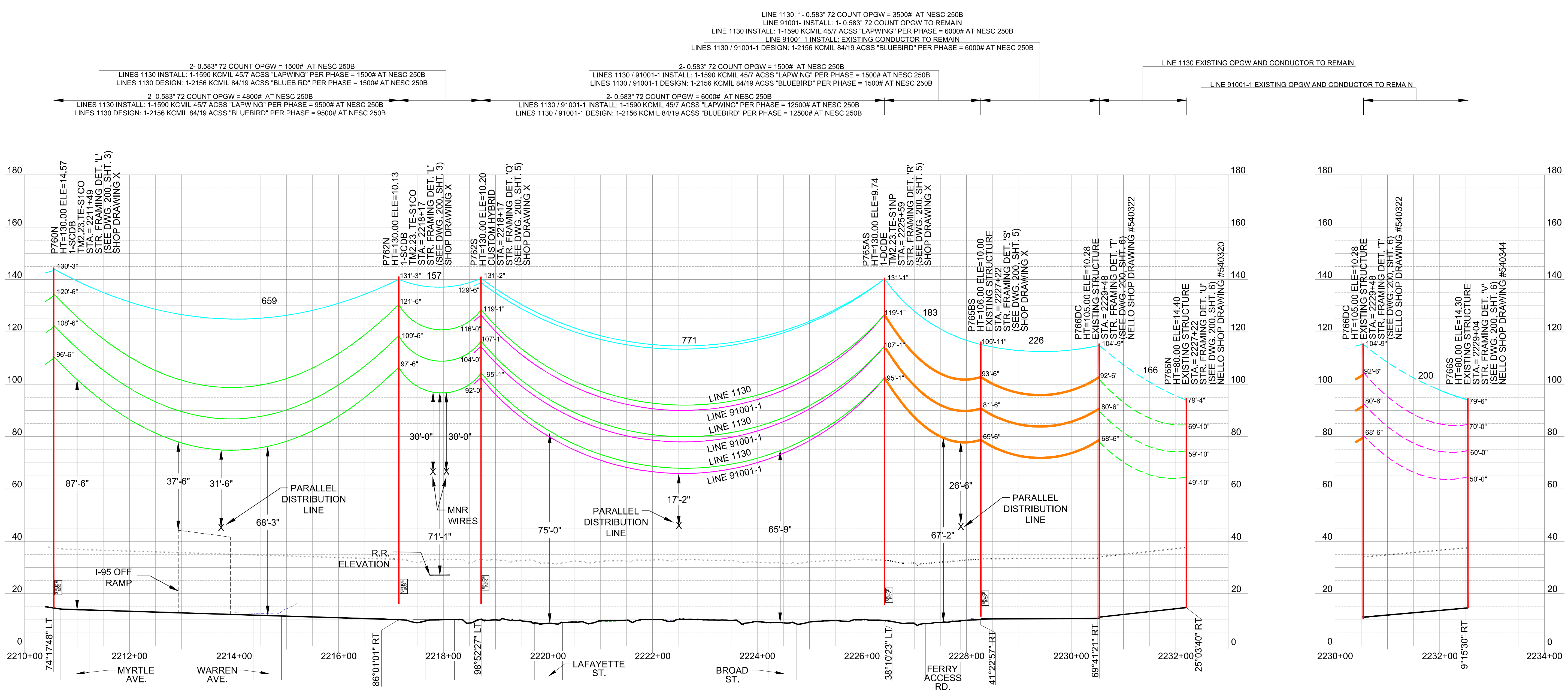
REV.	DATE	BY	DESCRIPTION	APP.
0-0B	4/22/2022	WESTWOOD	ISSUE FOR REVIEW	
0-0A	12/31/2021	WESTWOOD	ISSUE FOR REVIEW	MSP

UI 115 kV RAILROAD PROJECT - RESCO TAP (P745S) TO PEQUONNOCK SUBSTATION
PLAN AND PROFILE
SHEET 3 OF 4
UI 115kV DC LINES 1130-91001-1 - RESCO TAP (P745S) TO PEQUONNOCK SUBSTATION

DR.	ASW	SCALE AS SHOWN	FILE: 1520U-T1130-91001-1-003.DWG	
CK.	MSP	NO.	1520U-T1130-91001-1-003	REV. 0-0B
APP.				
DATE:	12/31/2021			

PLAN SCALE:
1" = 100'




LINE 1130: 1- 0.583" 72 COUNT OPGW = 3500# AT NESC 250B
LINE 91001- INSTALL: 1- 0.583" 72 COUNT OPGW TO REMAIN
LINE 1130 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 6000# AT NESC 250B
LINE 91001-1 INSTALL: EXISTING CONDUCTOR TO REMAIN
LINES 1130 / 91001-1 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 6000# AT NESC 250B
2- 0.583" 72 COUNT OPGW = 1500# AT NESC 250B
LINES 1130 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 1500# AT NESC 250B
LINES 1130 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 1500# AT NESC 250B
2- 0.583" 72 COUNT OPGW = 4800# AT NESC 250B
LINES 1130 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 9500# AT NESC 250B
LINES 1130 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 9500# AT NESC 250B
2- 0.583" 72 COUNT OPGW = 1500# AT NESC 250B
LINES 1130 / 91001-1 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 1500# AT NESC 250B
LINES 1130 / 91001-1 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 1500# AT NESC 250B
2- 0.583" 72 COUNT OPGW = 6000# AT NESC 250B
LINES 1130 / 91001-1 INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 12500# AT NESC 250B
LINES 1130 / 91001-1 DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 12500# AT NESC 250B
LINE 1130 EXISTING OPGW AND CONDUCTOR TO REMAIN
LINE 91001-1 EXISTING OPGW AND CONDUCTOR TO REMAIN
P760N HT=130.00 ELE=14.57 1-SCDB TM2.23.TE-S1CO STA.=2211+49 STR. FRAMING DET. 'L' (SEE DWG. 200, SHT. 3) SHOP DRAWING X
P762N HT=130.00 ELE=10.13 1-SCDB TM2.23.TE-S1CO STA.=2218+17 STR. FRAMING DET. 'L' (SEE DWG. 200, SHT. 3) SHOP DRAWING X
P762S HT=130.00 ELE=10.20 CUSTOM HYBRID STA.=2218+17 STR. FRAMING DET. 'Q' (SEE DWG. 200, SHT. 5) SHOP DRAWING X
P765AS HT=130.00 ELE=9.74 1-DCDE TM2.23.TE-S1NP STA.=2225+59 STR. FRAMING DET. 'R' (SEE DWG. 200, SHT. 5) SHOP DRAWING X
P765BS HT=106.00 ELE=10.00 EXISTING STRUCTURE STA.=2227+22 STR. FRAMING DET. 'S' (SEE DWG. 200, SHT. 5) SHOP DRAWING X
P766DC HT=105.00 ELE=10.28 EXISTING STRUCTURE STA.=2229+48 STR. FRAMING DET. 'T' (SEE DWG. 200, SHT. 6) NELLO SHOP DRAWING #540322
P766N HT=80.00 ELE=14.40 EXISTING STRUCTURE STA.=2232+22 STR. FRAMING DET. 'U' (SEE DWG. 200, SHT. 6) NELLO SHOP DRAWING #540320
P766S HT=80.00 ELE=14.30 EXISTING STRUCTURE STA.=2229+04 STR. FRAMING DET. 'V' (SEE DWG. 200, SHT. 6) NELLO SHOP DRAWING #540344
659
157
771
183
226
166
200
LINE 1130
LINE 91001-1
PARALLEL DISTRIBUTION LINE
MNR WIRES
R.R. ELEVATION
I-95 OFF RAMP
87'-6"
37'-6"
31'-6"
68'-3"
30'-0"
71'-1"
75'-0"
17'-2"
65'-9"
26'-6"
67'-2"
74°17'48" LT
86°01'01" RT
98°52'27" LT
38°10'23" LT
41°22'57" RT
69°41'21" RT
25°03'40" RT
9°15'30" RT
2210+00
2212+00
2214+00
2216+00
2218+00
2220+00
2222+00
2224+00
2226+00
2228+00
2230+00
2232+00
2234+00
MYRTLE AVE.
WARREN AVE.
LAFAYETTE ST.
BROAD ST.
FERRY ACCESS RD.

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

UNDERBUILD CONDUCTOR TYPE	SHIELD WIRE TYPE	OPGW TYPE	CONDUCTOR TYPE
		AFL-DNO 11467 0.583" 72 CT. FIBER	INSTALL1590 45/7 ACSS "LAPWING" DISPLAY/DESIGN 2156 84/19 ACSS "BLUEBIRD"
TENSION	TENSION	TENSION AS SHOWN	TENSION AS SHOWN
DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.

YR. CONST. W/O

NOTES:
1. SEE STRUCTURE LIST DWG. 1520U-T1130-91001-1-9000 AND STRUCTURE FRAMING DWG. 1520U-T1130-91001-1-200 FOR ALL HARDWARE ASSEMBLY INFORMATION.
2. ALL NEW STRUCTURES WILL BE SUPPORTED BY CONCRETE FOUNDATIONS. SEE DWG. 1520U-T1130-91001-1-400 FOR FURTHER INFORMATION.
3. SEE DWG. 1520U-T1130-91001-1-001 FOR CONSTRUCTION NOTES, DRAWING INDEX AND PLAN AND PROFILE LEGEND.
4. SEE DWG. 1520U-T1130-91001-1-002 FOR PHASING DIAGRAMS

REV.	DATE	BY	DESCRIPTION	APP.
0-0B	4/22/2022	WESTWOOD	ISSUE FOR REVIEW	
0-0A	12/31/2021	WESTWOOD	ISSUE FOR REVIEW	MSP

PE Stamp

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UI 115 kV RAILROAD PROJECT - RESCO TAP (P745S) TO PEQUONNOCK SUBSTATION

PLAN AND PROFILE

SHEET 4 OF 4

UI 115kV DC LINES 1130-91001-1 - RESCO TAP (P745S) TO PEQUONNOCK SUBSTATION

DR. ASW | CK. MSP | APP. | DATE: 12/31/2021
SCALE AS SHOWN | FILE: 1520U-T1130-91001-1-003.DWG
NO. 1520U-T1130-91001-1-003 | REV. 0-0B

CADD Drawing, DO NOT REVISE MANUALLY.
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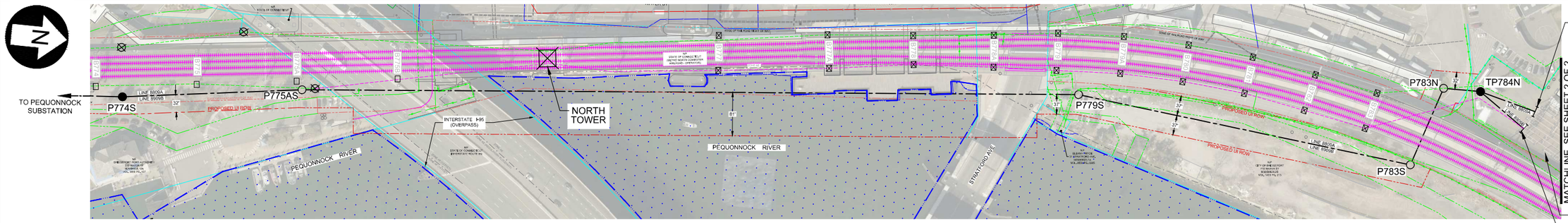


1- 0.583" 72 COUNT OPGW = 1000# AT NESC 250B
LINE: 8909B INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 1500# AT NESC 250B
LINE: 8909B DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 1500# AT NESC 250B

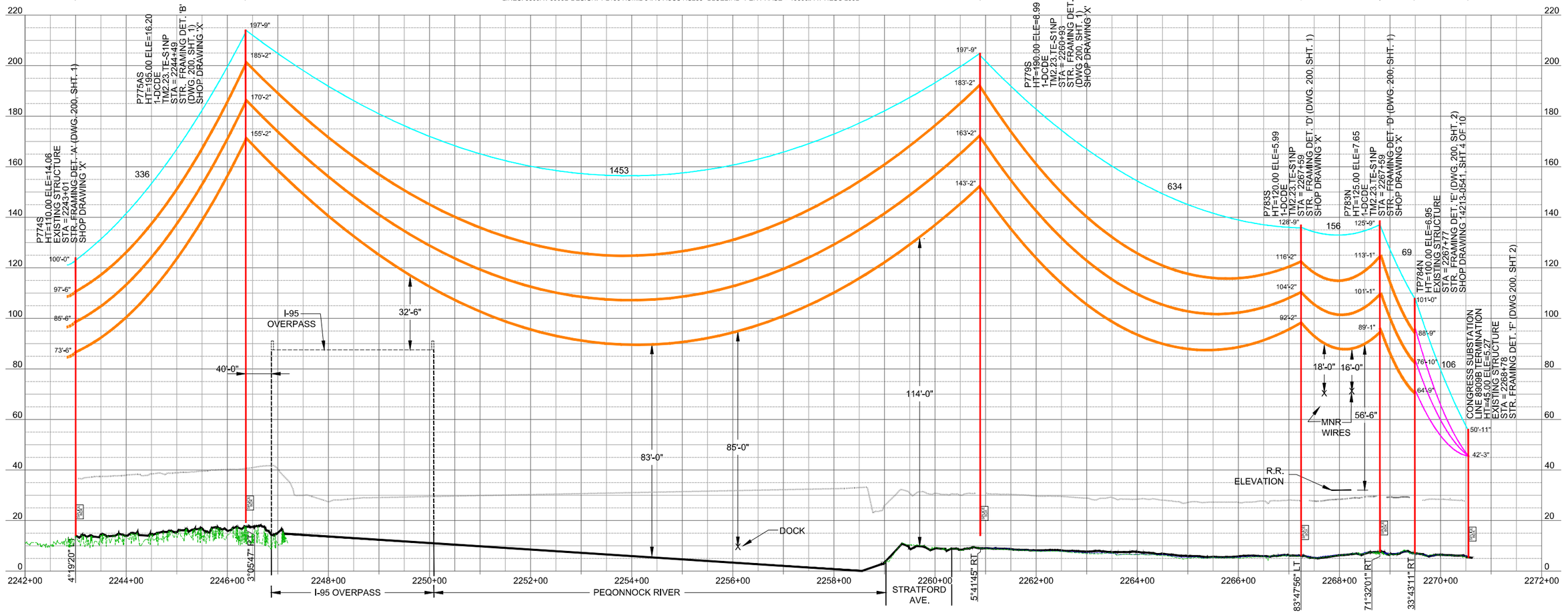
2- 0.583" 72 COUNT OPGW = 1000# AT NESC 250B
LINES: 8809A / 8909B INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 1500# AT NESC 250B
LINES: 8809A / 8909B DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 1500# AT NESC 250B

2- 0.583" 72 COUNT OPGW = 1500# AT NESC 250B
LINES: 8809A / 8909B INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 2000# AT NESC 250B
LINES: 8809A / 8909B DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 2000# AT NESC 250B

2- 0.583" 72 COUNT OPGW = 4800# AT NESC 250B
LINES: 8809A / 8909B INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 9500# AT NESC 250B
LINE: 8809A / 8909B DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 9500# AT NESC 250B

2- 0.583" 72 COUNT OPGW = 2500# AT NESC 250B
LINES: 8809A / 8909B INSTALL: 1-1590 KCMIL 45/7 ACSS "LAPWING" PER PHASE = 9500# AT NESC 250B
LINES: 8809A / 8909B DESIGN: 1-2156 KCMIL 84/19 ACSS "BLUEBIRD" PER PHASE = 9500# AT NESC 250B

2- 0.913" 72 COUNT OPGW = 11600# AT NESC 250B
LINES: 8809A / 8909B INSTALL: 1-2156 KCMIL 84/19 ACSS HS285 "BLUEBIRD" PER PHASE = 19500# AT NESC 250B
LINES: 8809A / 8909B DESIGN: 1-2156 KCMIL 84/19 ACSS HS285 "BLUEBIRD" PER PHASE = 19500# AT NESC 250B



PLAN	SURVEYED	BY	DATE
NOTEBOOK NO.	REVIEWED		
	ROW CHKD		

PLAN SCALE:
1" = 100'

PROFILE	SURVEYED	BY	DATE
NOTEBOOK NO.	REVIEWED		
	NOTES REDUCED		

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

CADD Drawing, DO NOT REVISE MANUALLY.
ANSI D

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www.westwoodps.com
Westwood Professional Services, Inc.

UNDERBUILD CONDUCTOR TYPE	SHIELD WIRE TYPE	OPGW TYPE	CONDUCTOR TYPE
		AFL-DNO 11467 0.583" 72 CT. FIBER AFL-DNO 11469 0.913" 72 CT. FIBER	115KV - INSTALL 1590 45/7 ACSS "LAPWING" DISPLAY/DESIGN 2156 84/19 ACSS "BLUEBIRD" 115KV LONG SPAN- INSTALL / DESIGN 2156 18/19 ACSS HS285 "BLUEBIRD"
TENSION	TENSION	TENSION AS SHOWN	TENSION AS SHOWN
DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.

YR. CONST. W/O

NOTES:
1. SEE STRUCTURE LIST (DWG 1520U-T8809A-8909B-6000) AND STRUCTURE FRAMING DRAWINGS (DWG 1520U-T8809A-8909B-200) FOR HARDWARE ASSY. INFO.
2. ALL NEW STRUCTURES WILL BE SUPPORTED BY CONCRETE FOUNDATIONS. SEE DWG 1520U-T8809A-8909B-400 FOR FURTHER INFORMATION.
3. SEE DWG 1520U-T8809A-8909B-001 FOR CONSTRUCTION NOTES, DRAWING INDEX, AND PLAN AND PROFILE LEGEND.
4. SEE DWG. 1520U-T8809A-8909B-002 FOR PHASING DIAGRAMS.

REV.	DATE	BY	DESCRIPTION	APP.

PE Stamp

UI AVANGRID

REV.	DATE	BY	DESCRIPTION	APP.
0-0B	4/14/2022	WESTWOOD	ISSUE FOR REVIEW	
0-0A	12/03/2021	WESTWOOD	ISSUE FOR REVIEW	

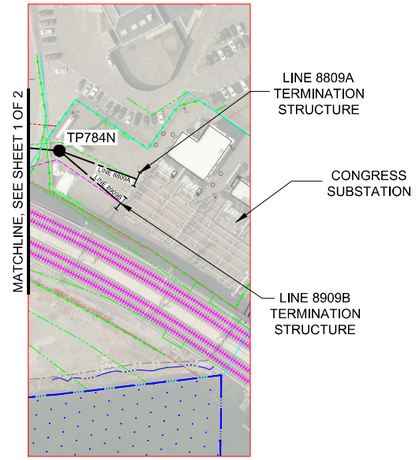
UI 115KV RAILROAD PROJECT - P774S TO CONGRESS SUBSTATION

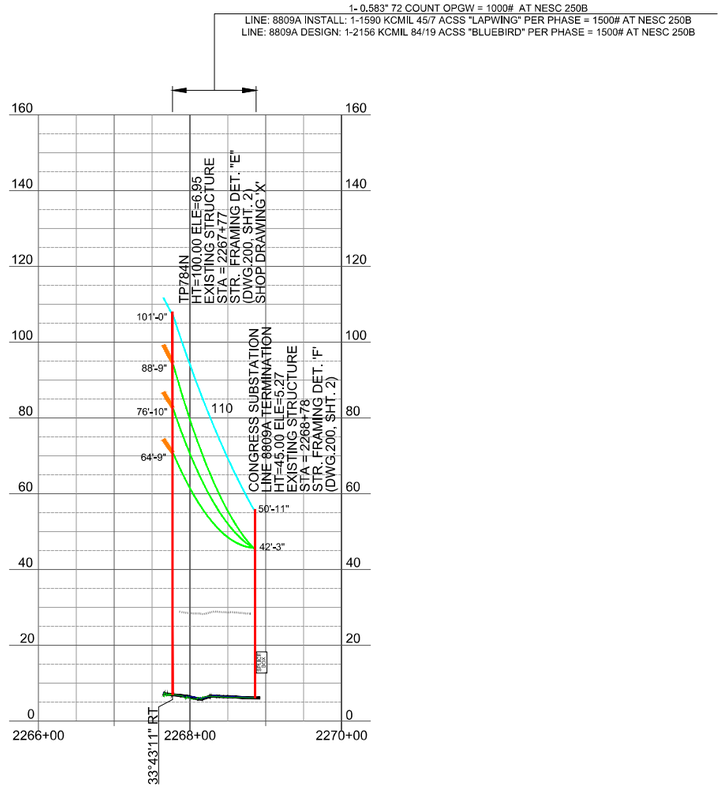
PLAN AND PROFILE

SHEET 1 OF 2

UI 115kV DC LINES 8809A-8909B-PEQUONNOCK TO CONGRESS SUBSTATION

DR.	ASW	SCALE AS SHOWN	FILE: 1520U-T8809A-8909B-003.DWG	
CK.	MSP	NO.	1520U-T8809A-8909B-003	REV. 0-0B
APP.				
DATE:	12/03/2021			





PLAN	BY	DATE
SURVEYED		
NOTEBOOK NO.	REVIEWED	
	ROW CHKD	

PLAN SCALE:
1" = 100'

PROFILE	BY	DATE
SURVEYED		
NOTEBOOK NO.	REVIEWED	
	NOTES REDUCED	

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

Westwood
Phone (210) 853-7477 1684 South Broad Street, Suite 120
Toll Free (888) 937-5150 Langhorne, PA 19047
www.westwoodps.com
Westwood Professional Services, Inc.

CADD Drawing, DO NOT REVISE MANUALLY.

ANSI D

UNDERBUILD CONDUCTOR TYPE	SHIELD WIRE TYPE	OPGW TYPE	CONDUCTOR TYPE
		AFL-DNO 11467 0.583" 72 CT. FIBER AFL-DNO 11469 0.913" 72 CT. FIBER	115KV - INSTALL 1590 45/7 ACSS "LAPWING" DISPLAY/DESIGN 2156 84/19 ACSS "BLUEBIRD" 115KV LONG SPAN- INSTALL / DESIGN 2156 18/19 ACSS HS285 "BLUEBIRD"
TENSION	TENSION	TENSION AS SHOWN	TENSION AS SHOWN
DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.

YR. CONST. W/O

NOTES:
1. SEE STRUCTURE LIST (DWG 1520U-T8809A-8909B-0000) AND STRUCTURE FRAMING DRAWINGS (DWG 1520U-T8809A-89099-200) FOR HARDWARE ASSY. INFO.
2. ALL NEW STRUCTURES WILL BE SUPPORTED BY CONCRETE FOUNDATIONS. SEE DWG 1520U-T8809A-8909B-400 FOR FURTHER INFORMATION.
3. SEE DWG 1520U-T8809A-8909B-001 FOR CONSTRUCTION NOTES, DRAWING INDEX, AND PLAN AND PROFILE LEGEND.
4. SEE DWG. 1520U-T8809A-8909B-002 FOR PHASING DIAGRAMS.

REV.	DATE	BY	DESCRIPTION	APP.

PE Stamp

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REV.	DATE	BY	DESCRIPTION	APP.
0-0B	4/14/2022	WESTWOOD	ISSUE FOR REVIEW	
0-0A	12/03/2021	WESTWOOD	ISSUE FOR REVIEW	

UI 115KV RAILROAD PROJECT - P774S TO CONGRESS SUBSTATION
PLAN AND PROFILE
SHEET 2 OF 2
UI 115KV DC LINES 8809A-8909B-PEQUONNOCK TO CONGRESS SUBSTATION

DR.	ASW	SCALE AS SHOWN	FILE: 1520U-T8809A-8909B-003.DWG	
CK.	MSP	NO.	1520U-T8809A-8909B-003	REV. 0-0B
APP.				
DATE:	12/03/2021			