EVERSOURCE ENERGY
PETITION TO THE CONNECTICUT SITING COUNCIL
FOR A DECLARATORY RULING OF
NO SUBSTANTIAL ADVERSE ENVIRONMENTAL EFFECT
FOR THE PROPOSED EVERSOURCE
HARTFORD UNDERGROUND CABLE REPLACEMENT PROJECT
IN THE CITY OF HARTFORD, CONNECTICUT

The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource" hereby petitions the Connecticut Siting Council ("Council") for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need ("Certificate") is required pursuant to Sections 16-50g et seq. of the General Statutes of Connecticut ("Conn. Gen. Stat.") for the replacement of two 115-kilovolt ("kV") underground electric transmission facilities located within the City of Hartford, and described herein as the "Project". Eversource respectfully submits that a Certificate is not required because the proposed modifications would not have a substantial adverse environmental effect.

A. PROJECT BACKGROUND AND TECHNICAL PROJECT DESCRIPTION

Eversource operates over 2,300 miles of transmission corridors and rights-of-way that include approximately 440 circuit miles of underground transmission cable across its service areas in Connecticut and Massachusetts. The underground installations are commonly and interchangeably referred to as pipe-type cable ("PTC") or high-pressure fluid-filled cable ("HPFF", hereinafter HPFF[1]). The older underground lines consist primarily of HPFF (approximately 300 circuit miles). With limited exceptions, more recently installed or replaced underground HPFF lines are solid dielectric insulated cross linked polyethylene ("XLPE") cables. Over 60% of the Company's HPFF lines are over the age of 40 years, the expected operating life of these systems. Eversource is committed to improving its underground transmission system to address rapidly aging infrastructure, long-term reliability and load growth needs, and to reduce the risk of dielectric fluid releases to the environment. For these reasons, Eversource has initiated a long-term program to modernize its aging underground cable systems.

The existing HPFF cable systems require ancillary equipment, such as fluid pressurizing plants and backup generators, to maintain temperature and pressure of the dielectric fluid surrounding the HPFF cables. With the presence of insulating fluids comes the risk of a release of fluids. If a

[1] Eversource also has a small amount of high pressure gas-filled cable (HPGF). Insulating fluid utilized in the HPFF technology is dielectric fluid.

release of insulating fluids were to occur, Eversource maintenance teams would need to take the transmission facilities out of service, locate the point of the release, conduct repairs and perform the necessary response to minimize and address impacts to the environment. Through the period of the repair (which can take several weeks), the reliability of the area transmission system may be at risk with one less set of cables available to carry load. Further, there is only one global supplier left that produces HPFF cables, and that company has provided notice to the Company that signals long-term lack of business viability for the production of HPFF technology. The forthcoming obsolescence jeopardizes the ability of Eversource to maintain a reliable and continuous inventory of replacement materials and equipment. As this transition is occurring, technicians with experience in maintaining and repairing HPFF cable system equipment are also becoming increasingly scarce.

By comparison, the solid dielectric XLPE cable system provides advantages over the HPFF cable system. The ancillary equipment needed in HPFF systems referenced above is not needed for XPLE cable systems, thereby resulting in fewer component parts that could potentially fail. Further, from an operating and maintenance perspective, XLPE is easier, quicker, and less disruptive to repair and maintain, in that repairs and maintenance would occur primarily within manholes/vaults. In contrast, HPFF repairs and maintenance require excavations to locate and repair damage along the cable run, and if an oil release occurred, it would require construction of pits to freeze the dielectric fluid and address any releases while the repairs are made. The time required to conduct repairs to XLPE cable is typically substantially less (days as opposed to weeks) than the time required to repair HPFF. Additionally, from a system reliability perspective, XLPE technology provides a higher load-carrying capability as compared with HPFF. Given the New England region's clean energy goals and the expected significant load growth associated with increased electrification (heating, electric vehicles, etc.), higher load-carrying capacity is necessary to keep pace with the ongoing energy transition.

The Eversource HPFF transmission system in the City of Hartford ("City"), consists of two 115-kilovolt ("kV") lines the 1772 Line and the 1704 Line. The lines were installed in 1974 in different locations and share a common substation termination. The majority of cables are located beneath City streets, although there are small segments that cross beneath public or private properties. The existing 3-phase circuit (115-kV) underground HPFF transmission cables, which are insulated with a pressurized dielectric fluid (mineral oil), are in a concrete encased metal conduit. They are

proposed to be replaced[2] with a 3-phase circuit (115-kV) underground XLPE transmission cable system.

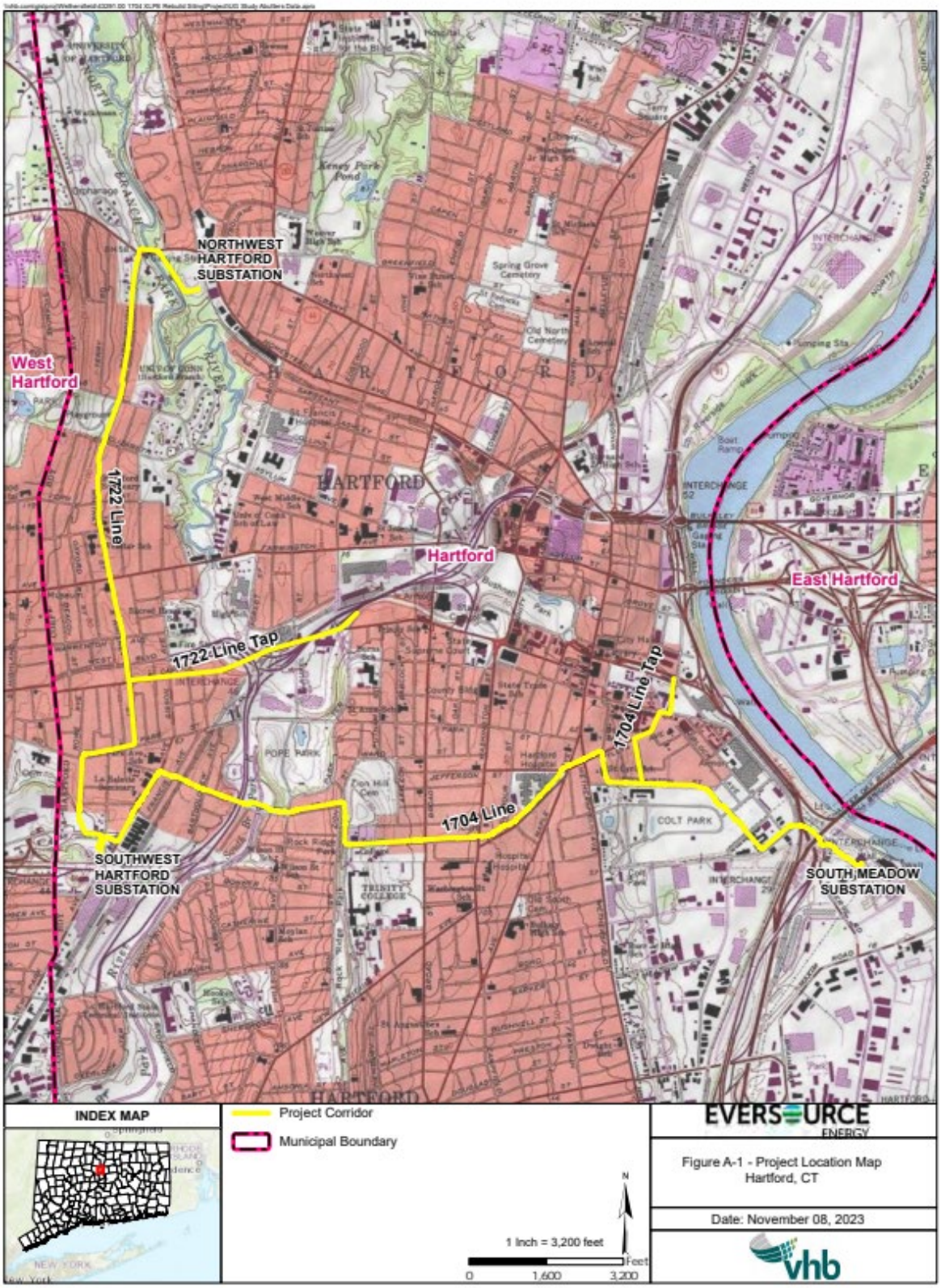
A.1. PROJECT AREA

The 1722 Line generally extends north to south from Northwest Hartford Substation at 1557 Albany Avenue to Southwest Hartford Substation at 271 New Park Avenue. The 1704 Line generally extends west to east from Southwest Hartford Substation to South Meadow Substation at 140 Reserve Road. The area encompassed by these two lines, the associated substations and adjacent roads, sidewalks and abutting properties collectively comprise the "Project Area[3]" (refer to Figure A-1, below).

[2] "Replaced" refers to the installation of a separate underground cable system to take the place of the existing underground cable system. The existing HPFF cables would be removed and the conduit would be cleaned and retired in place after the new cable system is installed and in service.

[3] "Project Area" described in this Petition is synonymous with the existing facility "Site" as described in Regulations of Connecticut State Agencies §16-50j-2a(29).

Figure A-1 Project Area Map



The Project Area is located within a densely developed urban area, with commercial and residential buildings, and major institutions including Hartford Hospital and Trinity College. Major roadways within the Project Area include sections of Routes I-84 and I-91, Routes 5/15 ("Wilbur Cross Highway") and the CT*fastrak* Busway. In addition, there are three railroad crossings: the AMTRAK rail line, the Connecticut Department of Transportation (CTDOT) rail line and a rail spur that is owned by the Connecticut Department of Agriculture, which serves the Connecticut Regional Market in Hartford. Other notable features include the North and South Branches of the Park River, Colt Park, and substantial utility infrastructure within City streets.

A.2. ROUTING AND DESIGN

The primary design consideration in the development of the Proposed Route[4] for the replacement of the HPFF power cable systems was to follow the route alignment of the existing cable to the extent practicable. The existing HPFF route is a direct route between the three substations and the most cost-effective solution for installation of the replacement XLPE cable system. The replacement cable cannot be installed in precisely the same location as the existing cable because it must remain in service to maintain a reliable supply of power to the City until the replacement cable is installed and energized. In evaluating the suitability of the existing routes for the replacement cables, Eversource considered different construction methods to mitigate constructability challenges (such as utility conflicts, and potential impacts on public and private properties), environmental and cultural impacts, and cost.[5] Costs are primarily driven by the length of the route and the relocation of utilities, installation of the cable system with the use of the open trench construction method to the greatest extent possible, and use of more specialized trenchless construction methods, such as jack and bore, and micro-tunneling.

To minimize potential impacts of the Project, Eversource sought input from stakeholders within the City, including the Hartford Department of Public Works, City of Hartford City Council ("City Council"), the Mayor's Office, the Colt Park Foundation and the Greater Hartford Flood Commission ("GHFC"). Eversource also discussed the Project with the Connecticut Department

[4] 'Proposed Route' herein after designates the proposed route location for the replacement of both the underground 115-kV 1722 Line and 1704 Line in the City of Hartford.

[5] Utility relocations will be required in the proposed project route, including water, sanitary and stormwater; however, they have been minimized to the extent practicable by varying the depth of the cable system where possible, and coordinating the design with the utility owners. Eversource and its contractor will maintain close communications with the utility owner representatives as the work progresses to address field conditions and any concerns.

of Transportation ("CT DOT"), Connecticut Department of Energy and Environmental Protection ("DEEP") and the Army Corps of Engineers ("ACOE"), as well as representatives of other utility companies owning infrastructure in the Project Area[6]. In addition, Eversource initiated a rigorous public outreach program to inform affected stakeholders about the proposed Project, solicit feedback and address any concerns.

Eversource selected its Proposed Route for the 1722 Line and 1704 Line replacement XLPE cable systems as the most viable option for the replacement of the existing HPFF cables. The Proposed Route utilizes the existing route to the extent practicable, given construction constraints such as utility congestion, property rights, sensitive community and environmental features and construction costs. Eversource asserts that the Proposed Route and design and construction techniques selected for the replacement cable represents, on balance, the best option to avoid substantial environmental impacts and to incorporate the input received from its consultations with stakeholders.

A.3. EXISTING FACILITIES AND ROUTE

The existing 1722 and 1704 HPFF lines, their substation connections, and two service taps are described below.

1722 Line

The proposed Project would replace the existing 115-kV 1722 HPFF transmission line from Northwest Hartford Substation to Southwest Hartford Substation, a distance of about 2.9 miles. The 1722 Line was installed in 1974 and primarily runs within City streets, except where it is located on Eversource-owned property. The 1722 Line originates at Northwest Hartford Substation running in a northwesterly direction to Albany Avenue (Route 44), across the North Branch of the Park River (on the underside of a CT DOT bridge, Structure No. 06260) to Scarborough Street, and then in a southerly direction along Scarborough Street, Whitney Street and South Whitney Street to Park Street. At Park Street, the route turns west to the intersection with Madison Avenue and then follows Madison Avenue southerly to Kane Street and across Kane Street to Southwest Hartford Substation. The existing route is shown in Attachment 1, Project Maps.

[6] Eversource representatives contacted the following utility companies with facilities in Hartford: City of Hartford Department of Public Works, The Metropolitan District Commission, Buckeye Partners, Connecticut Natural Gas, Comcast, Verizon, Crown Castle, Lumen, Mobilite, AT&T, and Frontier Fiber.

1704 Line

The Project would replace the existing 115-kV 1704 HPFF transmission line from Southwest Hartford Substation to South Meadow Substation, a distance of about 3.8 miles. The 1704 Line was installed in 1974 and primarily runs within City streets, except where it is located on City-owned or Eversource-owned property. The 1704 Line originates at Southwest Hartford Substation running roughly in a northerly direction along New Park Avenue to Hamilton Street. The 1704 line then runs easterly beneath Hamilton Street, crossing under the CT*fastrak* Busway ("CT*fastrak*") and the AMTRAK rail line to the Hamilton Street Bridge across the South Branch of the Park River (attached to the south side of the City of Hartford's Hamilton Street Bridge). From there, the 1704 Line follows Hamilton Street to the intersection with Summit Street and Zion Street and turns south along Summit Street to Vernon Street continuing easterly along Vernon Street to Retreat Avenue. The route continues along Retreat Avenue and to Wyllys Street to the Charter Oak Place intersection, where the route turns south onto Groton Street to Stonington Street, running east to west along the northern edge of Colt Park. Just east of the intersection with Ramon Quiros Boulevard, the route enters Colt Park and runs southeasterly through the park, reentering the street at the intersection of Hendrixsen Avenue and Curcombe Street. The 1704 Line continues southeasterly along Hendrixsen to Wawarme Avenue and then to Reserve Road. On Reserve Road, the 1704 Line crosses beneath the Route I-91 and Wilbur Cross Highway overpass to South Meadow Substation. The existing route is shown in Attachment 1, Project Maps.

Substations

As described above, there are three substations in the Project Area: Northwest Hartford, Southwest Hartford and South Meadow. In addition to the 1722 Line, Northwest Hartford Substation also connects to the 1756 and 1751 115-kV lines, which are overhead lines that connect to Bloomfield Substation in Bloomfield, Rood Avenue Substation in Windsor and North Bloomfield Substation in Bloomfield. Southwest Hartford Substation connects to three 115-kV lines: the 1704 Line, the 1722 Line and the overhead/underground 1346 Line, which terminates at Newington Substation in Newington. South Meadow Substation connects to three 115-kV overhead lines other than the 1704 Line; the 1873 Line, which terminates at Rood Avenue Substation in Windsor, the 1786 Line, which terminates at East Hartford Substation in East Hartford, and the 1775 Line, which terminates at Riverside Substation in East Hartford.

Transmission Line Taps

In addition to the 1722 and 1704 Lines, there are two underground transmission line taps[7] within the Project Area.

The first transmission line tap formerly served the Capital District Energy Center Cogeneration Associates ("CDECCA") generation facility, which is located between I-84 and Capitol Avenue in Hartford. The 65-megawatt cogeneration facility provided power to the AETNA Life Insurance Company and Energy Networks Incorporated. The tap connects to the 1722 Line at Capitol Avenue and runs easterly along Capitol Avenue, beneath the I-84 Exit 46 on- and off-ramps, the CT*fastrak* line, the AMTRAK railroad, and I-84, ending at the CDECCA facility, a distance of about one mile. This tap is still energized but is no longer needed to serve the CDECCA facility, does not require replacement and would be retired in place, as modifications to the distribution system would meet the needs of the CDECCA facility.

The second transmission line tap is located near the eastern end of the 1704 Line. This tap connects to the 1704 Line at Stonington Street and runs northerly to the O'Brien Energy Systems, Inc. cogeneration facility near the Hartford Convention Center following Norwich, Wyllys and Taylor Streets, a distance of approximately 0.6 mile. This tap has already been de-energized and is no longer needed to serve the O'Brien facility.

A.4. PROPOSED REPLACEMENT OF THE EXISTING CABLE SYSTEMS

The XLPE cable system features, the route of the proposed XLPE cable system and substation tie-ins, as well as retirement of the existing 1722 and 1704 HPFF systems are described below.

Replacement Cable System Description

The construction of the XLPE cable system involves the installation of solid dielectric insulated electric transmission lines, communication lines, grounding lines and underground cable access vaults, using multiple construction techniques for line installation between and at the Project substations. The proposed underground 115-kV transmission lines would consist of 5000-kcmil enameled copper conductor XLPE cables, one for each phase of the three-phase circuit. The cables would be pulled through polyvinyl chloride ("PVC") conduits encased in a concrete duct

[7] "Tap" in this instance refers to a direct feed off the transmission line cable system to service a facility, as opposed to a distribution line feed to service a facility.

bank (refer to Attachment 2 – Typical Cross-Sections). Some specific locations will utilize a trenchless construction method, with installation of an underground conduit at varying depths, using a pull-through installation method for the XLPE cable.

Cable Splice Vaults Description

The lines would also have intermittently spaced concrete splice vaults, approximately nine feet wide by nine feet deep and approximately 24 feet long. The splice vaults are required for pulling in the transmission cable and sending it through the PVC installed conduits and for the splicing of each cable length. The splice vaults would also provide access to portions of the cable system to perform maintenance and repair activities. Eighteen splice vaults would be installed underground (with utility manhole access at surface grade level) along the proposed routes; eleven splice vaults for the 1704 Line and 7 splice vaults for the 1722 Line. The typical spacing between vaults varies from 2,000 feet to 3,500 feet, depending on the proposed cable system alignment.

Route Deviations of Replacement Cable System

The replacement 1722 and 1704 XLPE cables would follow the existing HPFF cables routes, with the exception of three minor route deviations explained below.

1722 Line Replacement Minor Route Deviation – Bulkeley Avenue

On the 1722 Line, the deviation from the existing route from Madison Avenue to Bulkeley Avenue is required for two reasons. First, Madison Avenue is highly congested with multiple underground utilities and there is insufficient space for the installation of the replacement line. Second, after the existing cable was installed beneath Madison Avenue, the road was abandoned at its south end and redeveloped with a church and a car wash facility. Thus, Eversource no longer has the franchise rights of a street right-of-way ("ROW") to install the replacement cable along the route of the existing cable and has been unable to secure the necessary additional rights from the two landowners to utilize the existing route in this area.

The proposed replacement route would deviate from the existing route beginning at the intersection of Park Avenue and Madison Avenue. Rather than turn south on Madison Avenue, the proposed route would continue westerly on Park Street approximately 500 feet to Bulkeley

Avenue and then would follow Bulkeley Avenue and extend southerly across Eversource-owned property at 226 Prospect Avenue and an easement across abutting private property to Kane Street, rejoining the existing route just north of Southwest Hartford Substation. (Refer to Attachment 1 – Project Maps, Sheets 4 and 5 of 10.) The proposed deviation (the "Bulkeley Avenue Deviation") is approximately 2,600 feet long or 800 feet longer than the route of the existing 1722 line in this area. (Refer to Attachment 1 – Project Maps, Sheets 4 and 5 of 10.)

1704 Line Replacement Minor Route Deviation – Hamilton Street Bridge Deviation

On the 1704 Line, at the City-owned Hamilton Street Bridge, current constraints prohibit the attachment of the replacement cable to the bridge as follows:

- the replacement cable cannot be attached to the south side of the bridge because that space is occupied by the existing 1704 HPFF cable, which cannot be removed or relocated during construction because it must remain in service until the replacement line is energized;
- the replacement cable cannot be attached to the north side of the bridge as that space is occupied by a natural gas main line; and
- the replacement cable cannot be attached to the underside of the bridge since it does not have horizontal support structures that would allow the cable to be installed in bays between the supports (in contrast to the 1722 Line replacement on the CTDOT Albany Avenue bridge).

Based on discussions with the City of Hartford Public Works Department regarding potential alternative designs, it was determined that a preferred solution is to install the replacement cable using horizontal boring technology (micro-tunneling) beneath the South Branch of the Park River, approximately 50 feet north of the Hamilton Street bridge, on City-owned property. (Refer to Attachment 1, Project Maps, Sheet 6 of 10.) The deviation is approximately 500 feet long, and approximately 150 feet longer than the existing route.

1704 Line Replacement Minor Route Deviation – Colt Park Deviation

The second proposed 1704 Line replacement route deviation is located at Colt Park, near the intersection of Osten Boulevard and Stonington Street. The existing line currently crosses diagonally from this intersection through the northeast section of the park. In discussions with

the City of Hartford Public Works Department regarding the Project, City representatives expressed a strong preference to have the route relocated to the perimeter of the Park. (Refer to Attachment 1, Project Maps, Sheet 9 of 10.) The proposed deviation is approximately 2,000 feet long and approximately 100 feet longer than the existing route.

In summary, the proposed route of the replacement 1722 and 1704 XLPE lines is fairly consistent with the 1722 and 1704 HPFF lines to be retired. The total length of the deviations is approximately 15 percent of the total project length and the total length of the proposed route is approximately 3 percent greater than the length of the existing lines. The underground configuration of the proposed XLPE lines was selected based on the following:

- the proposed route is not limited by construction constraints, requires fewer bends, and reduces the need for utility relocations;
- the proposed route limits impacts to residential, commercial and public properties to the extent practicable; and
- the proposed route follows the existing route alignment to the extent feasible.

A.5. DETAILED PROJECT DESCRIPTION

The proposed installation of the XLPE cable system involves the installation of insulated electric transmission lines, communication lines, grounding lines and underground cable access vaults, using multiple construction techniques for line installation between and at the three Project substations, as detailed below.

.XLPE Cable System Configuration

The single circuit three-phase duct bank installation includes several PVC conduits for varying components of the XLPE cable system. Three eight-inch diameter PVC conduits will be used to carry the power cables. Additionally, two four-inch diameter conduits within the duct bank would carry two fiber optic cables per circuit. One fiber optic cable is required for remote protection and control of the cable system and associated equipment, and the other fiber optic cable is for monitoring the operating temperature of the cables. Precast handholes would be installed near the splice vaults to provide access for future splices of the fiber optic cables, if necessary. For each circuit, a ground continuity conductor would also be installed in 2-inch PVC conduit for grounding the cable sheaths and equipment within the proposed vaults, along with a spare PVC conduit.

Depending on subsurface conditions, the arrangement of the three power cable PVC conduits can be in a triangular arrangement of a standard duct bank, in a vertical arrangement for a narrow duct bank, or in a horizontal arrangement for a shallower duct bank. (Refer to Attachment 2 – Typical Cross-Sections for alternative duct bank configurations and splice vaults.)

For the XLPE installation, this Project will utilize both open trench construction and trenchless construction, which includes two types of horizontal boring technology: jack-and-bore and micro-tunneling, which are described in greater detail below.

Open Trench Construction

The widely used method for installing the underground transmission circuits is by open-cut trenching. Typically, mechanical excavation is required to remove the concrete or asphalt surface (for roadways), topsoil and sub-grade material to the desired depth. Removed material would be relocated to an appropriate off-site location for disposal or temporarily stockpiled and reused as clean backfill.

Once a length of trench has been opened and shoring installed, where required, the conduits would be assembled and supported in the trench. The area around the conduits would be filled with high-strength thermal concrete to create a stable permanent duct bank. After the concrete is allowed to set (approximately 24 hours), the trench would then be backfilled with an Eversource approved thermal backfill consisting of clean excavated soil, imported clean fill, thermal sand and/or a low-strength thermal concrete mix often referred to as fluidized thermal backfill. Any excavations that are not permanently backfilled and temporarily left open when construction is not actively in progress would be plated and secured, as necessary.

The installation of transmission duct bank would require, at a minimum, the temporary closure and/or re-routing of traffic lanes (Refer to Section C.1, proposed Traffic Management Plan) to accommodate the equipment needed for the excavation of the cable trench and installation of the duct bank as well as the temporary storage of some equipment and material and to maintain traffic flow. The construction also would require coordination with other underground and

overhead utilities, including the relocation of other utilities in the roadway in some locations. These locations have been identified and Eversource is coordinating with the affected utilities and would continue to coordinate with the utilities during construction.

Trenchless Construction - Jack-and-Bore.

Jack-and-bore construction, also known as pipe jacking, is a trenchless installation method that would be used to cross beneath the three railroad lines (AMTRAK, CT DOT and the Department of Agriculture spur line) and the CT*fastrak* Busway, which parallels the AMTRAK rail line.[8] The jack-and-bore method utilizes a jacking pit, where jacking equipment will "push" the pipe to a receiving pit. The proposed locations of the horizontal boring construction are included in Attachment 3 – Trenchless Locations – Plan and Profile.

Site preparation activities for the crossings would consist of establishing work areas installing erosion and sedimentation controls, deployment of traffic control measures, and mobilizing the necessary equipment to the work site. Traffic control measures for this work would be installed per CT DOT and railroad encroachment permits, the City's recommended protocols, and the Traffic Management Plan.

Trenchless construction requires two pit excavations, one for "sending" a casing pipe ("jacking/launching pit") and one to "receive" the casing pipe ("receiving pit"), both within a larger construction workspace. The pipe jacking method of construction utilizes hydraulic jacks to push a casing pipe under surface features. The proposed casing pipe would have an outside diameter of approximately 38 inches.[9] As the pipe is advanced, the soils and solids would be removed from the pipe, either by hand or mechanically. Once the casing pipe has been installed, the conduits for the three circuits, communication lines, grounding line and the spare, would be placed within the casing pipe using specifically designed conduit spacers to hold their alignment in the casing pipe. The remaining space within the casing pipe would be filled with a flowable grout material (an acceptable thermal backfill material) designed to solidify the installation, to prevent conduit movement within the casing pipe, and to dissipate heat away from the cables.

[8] Depending on the contractor's final construction plans, micro-tunneling may be used in lieu of the jack and bore method.

[9] High density polyethylene conduits or other alternative pipe types suitable for this type of installation may be used in jack-and-bore and micro-tunneling installations in lieu of PVC.

The sending and receiving pits would have approximate dimensions shown on Attachment 3 – Trenchless Locations – Plan and Profile) but would be determined by several factors including the final length of the jack, the final bore diameter, and soil and groundwater conditions. Excavation stabilization methods (such as sidewall sloping) or specialized equipment (such as shoring or trench boxes) would be employed to keep workers safe in the sending and receiving pits, as needed. The sending and receiving pit areas would be secured with barricades and temporary chain link fencing for both worker and pedestrian safety. The area around the surface edge of the pits will be protected from overland surface flow into the excavation.

Trenchless Construction - Micro-tunneling

Micro-tunneling is a trenchless installation method that would be used to cross beneath the South Branch of the Park River (also known as the Park River Aqueduct), just north of the Hamilton Street Bridge. Similar to the jack-and-bore method described above, micro-tunneling also requires the excavation of a sending pit where a micro-tunnel boring machine will drill horizontally at the designed depth to create a path to push the pipe to a receiving pit. The proposed locations of micro-tunneling construction is included in Attachment 3 – Trenchless Locations – Plan and Profile.

Site preparation activities for this crossing would consist of establishing work areas, installing erosion and sedimentation controls and means for collection of drilling spoils, and deploying traffic control measures, installing work pads, and mobilizing the necessary equipment to the work site. Traffic control measures for this work would be installed per the Traffic Management Plan. The sending pit would be located on the west side of the river, outside of the 100-year flood elevation. The work area for the sending pit would be approximately 20 feet by 42 feet and be approximately 40 feet deep, within a sending pit workspace. The receiving pit would be located on the east side of the river, also outside of the 100-year flood elevation (Attachment A – Map Sheet 6 of 10). The area of the receiving pit would be approximately 15 feet by 15 feet and approximately 40 feet deep, within a receiving pit workspace.

Once the pits are completed, a micro-tunnel boring machine and pipe jacking system would be lowered into the sending pit and an approximate 4-feet diameter bore shaft would be drilled horizontally at a depth a minimum of 10 feet below the bottom of the concrete trapezoidal channel (that contains the river) to the receiving pit. As the pipe is advanced, discharge pumps

would carry the slurry to temporary equipment set up for slurry material separation, which include vibrating screens where the coarse material would be screened out and deposited in containers. Once the casing pipe has been installed, the conduits for the three circuits, communication lines, grounding line and the spare, would be placed within the casing pipe using specifically designed spacers. The remaining space within the pipe would be filled with a flowable grout material (an acceptable thermal backfill material) designed to solidify the installation, prevent conduit movement within the casing pipe and dissipate heat away from the cables.

Substations

Northwest Hartford Substation - The scope of work at Northwest Hartford Substation would consist of installing a new termination structure for the 1722 Line with three XLPE potheads and cable supports. The existing coupling-capacitor voltage transformers ("CCVTs") on this line would be replaced with three new line potential transformers ("PTs") on three new pedestals that would be below the existing bus height (approximately 20 feet tall) (refer to Attachment 2 – Typical Termination Details). The existing 1722 ground disconnect switch would be retrofitted with a new motor operator. The HPFF 1722 line relays and meters in the existing control house would be replaced with new line relays and meters. Two new fiber patch panels and associated supervisory control and data acquisition ("SCADA") and telecommunications ("Telecomm") equipment would also be installed in the control house. After the replacement line is in service, the existing HPFF potheads would be removed.

Southwest Hartford Substation - The scope of work at Southwest Hartford Substation would be in two phases. First, the 1722 work would consist of installing a new termination structure and three XLPE potheads and cable supports. The existing CCVTs would be replaced with three new line PTs on new structures. The existing 1722 ground disconnect switch would be retrofitted with a new motor operator. After the replacement 1722 line is in service, the existing HPFF potheads would be removed.

The second phase of construction would include work to support the replacement of the 1704 Line and would consist of installing a new termination structure (approximately 20 feet tall) with three XLPE potheads and cable supports. The existing HPFF termination structure would be modified for the new configuration, including the installation of a new motor operated disconnect

switch and ground switch. The existing PTs would be relocated to an existing structure. The existing circuit switcher and series reactor would remain. After the replacement line is placed in service, the existing HPFF potheads would be removed.

The HPFF 1722 and 1704 line relays and meters in the existing control house would be replaced with new line relays and meters. Two new fiber patch panels and associated SCADA and Telecomm equipment would also be installed inside the control house.

South Meadow Substation - The scope of work at South Meadow Substation would consist of installing a new free standing pothead/lightning arrester structure (approximately 20 feet tall) and new line disconnect switch structure (approximately 20 feet tall) and would require the relocation of some existing subsurface infrastructure. The existing 1704 line relays and meters in the control house would be replaced with new line relays and meters. Two new fiber patch panels and associated SCADA and Telecomm equipment would also be installed in the control house. After the replacement line is placed in service, the existing HPFF potheads would be removed.

B. EXISTING ENVIRONMENT, ENVIRONMENTAL EFFECTS AND MITIGATION

Construction and operation of the proposed modifications to the associated 115-kV electric transmission facilities in the Project Area would not have substantial environmental adverse effects for the reasons set forth below.

B.1. LAND USE

Land uses abutting the existing and proposed routes are primarily residential with open space, parks and recreation areas (Elizabeth Park and Colt Park), educational institutions, community properties (religious buildings at the Scarborough Street and Albany Avenue intersection and along Whitney Street), and commercial properties along South Whitney Street and Park Street. Additional religious and commercial properties are located between Bulkeley Avenue and Kane Street. The Hartford Hospital campus is located along Retreat Avenue. Construction of the minor deviations from the existing route alignment (Section A.4 above) would require modifications to the permanent land rights from the City and acquisition of land rights from private landowners. No additional changes to adjacent land use would result from the Project.

B.2. WETLANDS, WATERCOURSES AND FLOODPLAINS

The Project would result in temporary impacts to environmentally sensitive areas such as wetlands, watercourses, and floodplains. Permanent impacts to a portion of a wetland as part of this Project have been minimized to the extent feasible and practicable.

Wetlands

To the west of Northwest Hartford Substation, there is a wetland complex that would require approximately 160 square feet of permanent wetland impacts associated with the installation of the transmission line duct bank and approximately 352 square feet of temporary impacts associated with a matted access road to be constructed above and adjacent to the proposed route alignment (Attachment 1 – Map Sheet 1 of 10). All temporary matting would be removed upon completion of the construction activities and the impacted wetland area would be restored to pre-construction conditions via a native seed mix and natural vegetation regrowth. An Army Corps of Engineers ("ACOE") Self-Verification General Permit would be required for the temporary and permanent wetland impacts. No vernal pools or tidal wetland resources are located proximate to the Project.

Coastal Resources

The Project does not propose any activities in a tidal wetland or within a jurisdictional Coastal Boundary. Per CT DEEP's Coastal Boundary mapping, dated December 21, 2018, the closest jurisdictional Coastal Boundary is located over five miles to the south of the Project Area along the Connecticut River, and therefore no impacts to this resource area are anticipated in association with this Project.

Unnamed Perennial Watercourse - Tributary of the South Branch Park River

The Project Area crosses an unnamed tributary watercourse of the South Branch Park River immediately south of Kane Street and north of Southwest Hartford Substation (Attachment 1 – Map Sheets 5 and 5A of 10). It flows easterly connecting with the main channel of the South Branch Park River approximately 1,500 linear feet to the northeast of Southwest Hartford Substation. This watercourse is forested and has been altered upstream and downstream of the substation with pipes, culverts and flood control structures. The South Branch Park River ultimately drains into the Connecticut River to the east and is contained within a concrete channel to the north and south of the proposed crossing location with the area being dominated

with a variety of non-native invasive plant species. Based on a field review, this watercourse holds little value as a natural aquatic ecosystem and serves mainly to collect and convey stormwater runoff from upstream impervious surfaces and associated local stormwater runoff.

Based on review of online data sources coupled with field investigations, the watershed area upgradient of this unnamed watercourse is approximately 786 acres or approximately 1.23 square miles. The majority of the watercourse upgradient of the Project Area is primarily, if not entirely, in underground culverts. The contribution area for water runoff in this watershed to the watercourse can be characterized as a densely developed landscape set amongst predominantly residential and commercial developments. Based on the observed eroded banks in the unnamed watercourse, it appears that the approximately 786 acres densely developed watershed contributes to the high velocity and flows during storm events.

As documented on CT DEEP's Fish Community Data – Inland Waters web viewer as of July 2023, the unnamed watercourse and the South Branch Park River have not been studied for the presence or absence of freshwater fish and macroinvertebrates. Neither watercourse is listed on CT DEEP's Anadromous Fish Runs list, dated July 1, 2021.

To minimize temporary construction impacts to this watercourse, the duct banks for both the 1722 and 1704 underground cables at Southwest Hartford Substation (Attachment A – Sheet 5 and 5A of 10) would be installed at the same time. For access and conduit construction purposes in this work area, the Project would include clearing an approximately 0.6-acre area of trees and underbrush and installing a temporary dam to divert approximately 123 feet of the watercourse between Kane Street and the fenced area of the substation.

To avoid potential impacts from construction access, the watercourse would be spanned with temporary matting. Temporary coffer dams would be constructed upstream and downstream of the work area and a pipe would be installed to temporarily divert the watercourse around the construction zone, while maintaining streamflow. The temporary diversion of the watercourse would be completed in accordance with the CT DEEP's General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities ("Stormwater General Permit"), Stormwater Pollution Control Plan and Eversource's "Construction & Maintenance Environmental Requirements, Best Management Practices Manual for Massachusetts and Connecticut, April 2022 ("BMP Manual" or "BMPs"), as described in Section B.8, below..

To reduce total suspended solids and reduce potential erosion when the streamflow is discharged, the diverted watercourse would be filtered prior to re-entering the channel. It is also anticipated that installation of temporary gravel work areas and access roads on either side of the watercourse would be necessary. Work areas and access roads would be located above the ordinary high-water mark and there would be no net fill within the 100-year floodplain.

Upon completion of conduit construction and stabilization of the watercourse bed using a thermal-controlled, low-strength concrete material that binds together (non-erodible) at this location, a layer of stone would be placed on top of the duct bank to match the existing watercourse bottom grade and the coffer dams would be removed, returning the streamflow to its pre-construction path along the channel. It is anticipated the trench and backfill of material would result in approximately 229 square feet of temporary impact to the watercourse bottom; however, the placement of this backfill material is necessary to ensure that water flow where the two conduits are proposed does not cause erosion over time at these two locations. It is anticipated this activity would not require a CT DEEP Diversion Permit but would require USACE Self-Verification or Pre-construction Notification General Permit, and a GHFC permit.[10] To the extent practicable, work would be planned in the watercourse during the dry season with consideration for near-term weather conditions to avoid storm events. If a storm event were to occur, a flood contingency plan would be activated (refer to Attachment 4 – Flood Contingency Plan).

South Branch Park River

The Project conduit alignment crosses the South Branch Park River's concrete-lined channel adjacent to Hamilton Street. To install the 1704 Line replacement, a micro-tunnel drilling method (described above in Section A.4) would be used. The conduit would be extended down from the sending pit on the west side of the South Branch Park River and continue easterly and up through the receiving pit at a maximum depth of approximately 15 feet beneath the bottom of the concrete trapezoidal channel.

[10] The Greater Hartford Flood Commission was formed by Special Acts in the 1950's following the 1955 flood and is administered by the City of Hartford Department

Floodways, Flood Zones and Flood Storage Areas

Portions of the replacement transmission lines would be located in areas within the 100-year and 500-year flood zones of the North Branch Park River (south of Albany Avenue), the unnamed tributary of South Branch Park River (Kane Street), and the South Branch Park River (Hamilton Street). In addition, there are Hartford "Flood Storage Areas" associated with the North and South Branches of the Park River. The flood storage areas are managed by the City of Hartford under an agreement with the ACOE to regulate permanent structures or fill within these areas. All proposed Project facilities within these areas would be installed underground and would not result in any significant or any permanent effect on these flood zones. No vaults are proposed within a flood zone, no above grade Project component is proposed within a floodway, and temporary construction equipment would be stored outside of the 100-year flood zone when not in use. Some temporary stockpiling of soil material may be necessary within the 500-year Flood Zone or the Flood Storage Area, but this would be temporary in nature and stabilized per approved methods outlined in the Eversource BMP Manual. However, should a flood event be predicted to exceed the 100-year Flood Zone limits within a 24-hour period, the material would be removed or protected to avoid erosion during such an event.

Portions of the replacement underground lines are proposed within flood zones; therefore, authorization from the GHFC would be required, including potentially an ACOE 408 Permit or at least coordination with ACOE on the potential impacts (crossing under) to the South Branch Park River channel structure, north of Hamilton Street Bridge. Eversource will continue to work with the GHFC and ACOE to evaluate the proposed crossing and any potential effects on the concrete channel to determine whether a Section 408 permit would be required.

Since there would be temporary construction activities occurring within 100-year flood zones, a detailed Flood Contingency Plan would be developed for the Project. The Flood Contingency Plan would incorporate input from the ACOE and would be submitted to and approved by the GHFC as part of the permit application process. The flood contingency plan, consisting of the elements outlined in Attachment 4 – Flood Contingency Plan would be developed by the contractor with input from Eversource prior to the start of construction and reviewed and approved by the City of Hartford.

Surface Waters and Groundwater

No permanent impacts to stormwater drainage are anticipated. The Project Area, based on the current design, consists primarily of impervious surfaces and, in several locations along the route, stormwater runoff is captured at catch basins/storm drains. Minimal surface grading modifications are proposed as the duct bank would be installed below ground surface and the Project would generally maintain consistency with existing conditions post-construction.

If groundwater is encountered during duct bank installation or crossing of the watercourse, Eversource would implement its BMPs and comply with the Stormwater General Permit to avoid impacts to ground or surface waters. Additionally, although a portion of the Kane Street tributary watercourse of the South Branch Park River would be temporarily dammed, a proposed bypass pump and piping would be implemented as described in section B.2 (under Water Resources).

B.3. WILDLIFE

The proposed Project Area's urban setting provides wildlife habitat for generalist species typically adapted for life in close proximity to humans in highly developed areas. Most Project-related infrastructure installations would occur in these previously highly developed or disturbed locations, including local roads, with the exception of the wetland and watercourse crossing locations discussed in Section B.2. above. Based on the existing highly developed and urban landscape of the Project Area, and the associated human activity (traffic, lighting, and noise) prevalent during normal conditions, the proposed construction activities would not adversely affect wildlife within the Project Area.

Endangered Species

Digitally available CT DEEP Natural Diversity Database ("NDDB") mapping does not identify an NDDB polygon intersecting any portion of the Project Area. As such, an NDDB Review Request Form is not required to be submitted as part of this Project.

Eversource representatives reviewed the U.S. Fish and Wildlife Service ("USFWS") Information, Planning, and Conservation ("IPaC") system, in accordance with Section 7 of the Endangered Species Act ("ESA"), to determine if any federally listed or proposed, critical habitats or threatened/endangered species exist in proximity to the Project. The IPaC system identified

Monarch Butterfly (*Danaus plexippus*), a candidate species proposed for listing [11]; and the endangered species, Northern Long-Eared Bat ("NLEB", *Myotis septentrionalis*) as occurring in the region.

Northern Long-Eared Bat

On November 30, 2022, the USFWS published a reclassification of NLEB as endangered under the ESA. The NLEB, previously listed as threatened, faces extinction due to the range-wide impacts of white-nose syndrome, a deadly fungal disease affecting cave-dwelling bats across the continent. The NLEB hibernates in caves and mines (hibernacula) throughout the winter season, and during the summer they roost beneath tree bark, in cavities or crevices, and are also known to roost in infrequently used buildings such as barns and sheds. Although there are currently no known NLEB maternity roost trees in Connecticut, there is a known hibernacula in East Granby, over five miles to the north of the Project Area.

The proposed Project is located entirely within the City of Hartford, where the surrounding area is highly developed with roadways, highways, and residential, commercial, and industrial land uses. Portions of the proposed underground cable route are located in small forest patch areas with minor tree clearing however, as these areas are located in an urban environment, potential NLEB habitat is considered unsuitable for roosting. Additionally, tree clearing would not occur during the NLEB inactive season, and night work is not proposed. Therefore, no direct or indirect impacts to potential NLEB habitat within the Project Area are anticipated.

Invasive Species Management

Invasive species exist within the urbanized environment of public streets and adjacent ROW areas and are identified by Project environmental personnel during pre-construction survey work and constructability walkdowns. While the majority of the proposed route is within paved City streets, the Project would implement Eversource's BMPs within natural vegetation/lawn areas (such as at the crossing of the South Branch of the Park River and at Colt Park) to

[11] Candidate species are plants and animals for which the FWS has sufficient information on their biological status and threats to propose them as endangered or threatened under the ESA, but for which development of a proposed listing regulation is precluded by other higher priority listing activities. Candidate species receive no statutory protection under the ESA. The FWS encourages cooperative conservation efforts for these species because they are, by definition, species that may warrant future protection under the ESA.

minimize the disturbance and spread of soil and/or plant matter as specified in its BMP Manual for the control of invasive species. These include:

- Cleaning vehicles, equipment, materials (including matting), gear, footwear or clothing of all visible soil and plant material on site in the infested area, or as near as practical to the infested area, prior to leaving the Project site.

- Cleaning may be accomplished using a brush, broom, or hand tools, by shaking or dropping mats in a controlled manner to dislodge attached soil and debris, or compressed air.

B.4. AIR QUALITY

Operation of the replacement lines would not affect air quality. Temporary potential construction-related effects to air quality are anticipated to be minor and of short duration. These effects are expected to result primarily from construction vehicle exhaust and from the potential for fugitive dust generated by ground disturbance and vehicle movements.

Unnecessary construction equipment and vehicle idling[12] expends fuel, increases costs, and causes air pollution. Eversource would require that contractors properly maintain construction equipment and vehicles and minimize the idling time of construction vehicles and equipment, in accordance with applicable regulatory standards.

To further minimize short-term adverse effects to air quality during construction, any excess soil that cannot be re-used from excavations would be live loaded, covered, and transported to one of the Project staging areas, or directly to a disposal facility, for proper characterization and disposal. Paved roads would be periodically swept as necessary to remove any excess dirt tracked onto the pavement. Where truck traffic would enter roadways from staging areas or off road construction locations (such as at Southwest Hartford Substation and at the Hamilton Street Bridge), anti-tracking pads would be installed as necessary to minimize tracking of soil onto public roadways. Eversource would apply dust-suppression techniques, as appropriate, to mitigate fugitive dust emissions, including, but not limited to, the pre-wetting of work areas

[12] "Idling" is defined as the period when mobile construction equipment is not in motion or is not otherwise actively performing its designated function. Thus, "idling" does not apply to the use of certain types of mobile construction equipment (e.g., cranes, cement mixers) that may be stationary, but are actively operating, at a work site. Pursuant to Connecticut regulations (RCSA 22a-174-18), the allowable idling time for vehicles of all kinds, including diesel construction equipment, is three (3) minutes. However, under winter work conditions (when the ambient temperature is below 20 degrees Fahrenheit) "warm up" periods are allowed to bring the equipment up to a safe operating temperature.

requiring pavement cutting. Watering for dust suppression throughout construction would be utilized, where necessary.

B.5. LIGHTING AND NOISE

The Project would not include installation of any new permanent light sources. As some of the work would be performed during winter months, temporary lighting may be required to accommodate the work but would be focused on the targeted work areas and result in a short-term, localized effect.

Construction activities would result in localized and short-term increases in ambient noise levels in the vicinity of work zones. Construction-related noise would result from the operation of equipment and vehicles, including excavation equipment, jackhammers, drilling rigs, and cranes. Because noise attenuates with distance, the effects of construction-generated noise would depend on the noise source location in relation to noise receptors. Upon completion of the project, noise levels would return to pre-construction conditions.

B.6. SCENIC, CULTURAL AND RECREATIONAL RESOURCES

The Project will not result in any direct affects to scenic, cultural or recreational resources.

Scenic Resources

The South Branch of the Park River and its unnamed tributary are not designated as a Wild and Scenic River[13] nor are there any state or federal scenic resources within the Project Area.

Cultural Resources

In August 2023, Heritage Consultants, LLC ('Heritage") completed a Phase IA literature review and archaeological sensitivity assessment of the Project Area. Heritage also conducted a follow up Pedestrian Survey and a review of Preliminary Project Plans in October 2023. The Phase IA investigation consisted of:

- preparation of an overview of the region's natural setting, prehistory, and history;
- a literature search to identify and recorded cultural resources in the region, as well as archaeological investigations that have occurred within the Project Area; and,

[13] Wild and Scenic Rivers Act, as amended, 16 U.S.C. 1271 et seq.

- a review of readily available historical maps and aerial imagery depicting the Project Area to identify potential historical resources and/or areas of past disturbance.

The Phase 1A assessed historical resources within 500 feet of the existing and proposed route and determined that there are numerous historic resources including:

- Coltsville National Historic Park,
- 14 National Register of Historic Places ("NRHP") Districts,
- 8 individually listed NRHP properties,
- 8 individually listed State Register of Historic Places,
- and three cemeteries.

The 14 NHRP Districts include the Parkville, South Green, Frog Hollow, Congress Street, Charter Oak Place, Allen Place-Lincoln Street, West End South, West End North, Prospect Avenue, Elizabeth Park, West Boulevard Historic District, Oxford-Whitney Streets, and Sisson-South Whitney Historic Districts, as well as the Capewell Horse Nail Company.

The 8 individually listed NRHP properties located in proximity to the Project Area include the Samuel Colt House (known as "Armsmear"), two Greek Revival residences at 140 and 144 Retreat Avenue, the Henry Barnard House, the Royal Typewriter Company building, Saint Anthony Hall, the A. Everett Austin Jr. House, and Saint Paul Methodist Episcopal Church.

The 8 individually listed State Register of Historic Places properties consist of the Rusden-Lake House, the Institute of Living complex, the Motto Building, the Potsdam Village area within Coltsville National Historical Park, the Mary Borden Munsill Mansion, the Flat Iron building, the Church Home, and a residential building at 1870 Park Street.

The three cemeteries include the Zion Hill Cemetery (Mount Pleasant Cemetery), Congregation Beth Israel Cemetery, and the Old South Cemetery.

The Phase 1A report prepared by Heritage identified that the Project Area is located within the North-Central Lowlands Ecoregion, which is characterized by extensive floodplains, backwater swamps, and lowland areas situated near large rivers and tributaries. The Project is located close to several freshwater sources, including the north and south branches of the Park River and the Connecticut River to the east. The soils within the Project Area mainly consist of

moderately well-drained and well-drained loams, although some soils are udorthent (urban soils), which are likely disturbed. All of these identified environmental conditions are suitable for prehistoric and historical land use, and it is highly likely that prehistoric Native American groups occupied the Hartford area prior to contact with Europeans. In addition, Hartford was founded as a colonial town in 1635, and the Project Area was thoroughly developed by 1855. Historical mapping identifies presence of numerous residential, civic, commercial, and religious buildings.

The Phase 1A and Pedestrian Survey revealed that there are no recorded archaeological sites present within the 500 feet Project Area. Based on the results of the Pedestrian Survey and Heritage's review of the preliminary Project plans, the Project would take place almost exclusively within paved streets and parking areas, or within areas where soils have been disturbed to a significant degree. It is anticipated that there would be no direct impacts to above-ground cultural resources, and any indirect visual impacts to those resources will be temporary in nature. The pedestrian survey also revealed that, due to the heavily disturbed nature of the Project route, it is unlikely that intact, significant archaeological deposits would be encountered along the Project route; however, since this cannot be confirmed prior to construction through standard archaeological survey (digging and sifting), Eversource would implement an Unanticipated Discoveries Plan ("UDP") for its workers and contractors to follow in the event archaeological deposits were found during construction.

Recreational Resources

The Project is located adjacent to Elizabeth Park and a portion of the existing 1704 Line goes underneath Colt Park. No direct or indirect construction period impacts to Elizabeth Park are anticipated and construction would not encroach upon the Park's boundary.

A portion of the proposed 1704 underground cable installation would avoid impacting the more central area of Colt Park, where the existing 1704 underground cable is located, with the replacement cable following Hendrixsen Avenue and running along the eastern boundary of the park to Stonington Street. At this location, the transmission line would cross through a paved parking area and would not impact the open park lawn (refer to the description of the 1704 Line route deviation, above, and as shown on Attachment 1 – Project Maps, Sheet 9 of 10). Although construction and access would temporarily impact the parking area, it would not impact

recreational value of Colt Park. Areas of the park that are disturbed during construction would be restored to previous conditions.

B.7. VISUAL EFFECTS

The Project would not have a permanent adverse visual effect on the community as transmission lines would be installed entirely underground, except for the minimal work at the associated substations. Short-term temporary impacts would result from the required trenching for the duct bank construction. Some tree clearing (approximately 0.06 acre) would occur on Eversource-owned property south of Kane Street at Southwest Hartford Substation. This section of Kane Street is developed with commercial uses (car washes and fast food establishments). Therefore, the limited vegetation clearing on the Eversource parcel would not result in significant visual impacts.

B.8. EROSION, SEDIMENTATION AND STORMWATER CONTROL

All Project work in or near water resource areas and where soil is disturbed would be conducted in accordance with Eversource's BMPs and the Stormwater Pollution Control Plan ("SWPCP") that Eversource would develop for the Project, in accordance with the CT DEEP's Stormwater General Permit. BMPs for E&S controls would also be in accordance with the CT DEEP's 2002 Connecticut Guidelines for Soil Erosion and Sediment Control and all applicable permit conditions.

Catch basins located near work zones would be protected by drain guard filters to prevent sediments from entering the municipal storm water system. These filters would be regularly inspected and replaced, as needed. Practices to prevent/control erosion and sedimentation that would be employed outside of the public streets (such as at the sending and receiving pits to accommodate the trenchless crossing beneath the South Branch of the Park River and at the stream crossing at Southwest Hartford Substation) would include installing and maintaining work area perimeter BMP controls that prevent migration of, or filter out, sediment and inspecting BMP controls and implementation of additional BMPs throughout construction, as needed. Eversource would engage a qualified environmental inspector familiar with the SWPCP developed and approved for this Project. Both the contractor and environmental inspector would review and assess BMP controls on a routine basis, as well as prior to storm events, and immediately after significant storm events. E&S controls would be maintained until final stabilization is achieved at each work area location and restored to pre-construction conditions.

No significant impacts to water resource areas are anticipated from erosion and sedimentation ("E&S"), based on the proposed scope of work and the implementation of the SWPCP and Flood Contingency Plan.

B.9. PERMITTING SUMMARY

Based on the proposed Project design, Eversource anticipates that the following permits and authorizations would be required for this Project:

- CT DEEP Water Diversion Permit;
- US Army Corps of Engineers (ACOE) Self-Verification or Pre-construction Notification General Permit ("SVN" or "PCN", respectively) and potentially a Section 408 permit.;
- Greater Hartford Flood Commission ("GHFC") Authorization;
- CT DEEP's General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities;
- CT DOT encroachment permits for Albany Avenue (Route 44 and CT*fastrak*);
- Railroad encroachment permits from AMTRAK, Connecticut Department of Transportation Rail Line and the CT Department of Agriculture; and
- CT Public Utilities Regulatory Authority Method and Manner of Construction

B.10. ELECTRIC AND MAGNETIC FIELDS

Electric fields ("EF") and magnetic fields ("MF"), collectively known as EMF, are forms of energy that surround an electrical device. Electric fields are produced within the area surrounding a conducting object (e.g., a wire) when a voltage is applied to it and are measured in units of kilovolts per meter ("kV/m"). The level of EF near an energized power line depends on the applied voltage, the distance between the conductors, and the distance to the measurement location.

Magnetic fields are produced within the area surrounding a conductor or device that is carrying an electric current and are measured in units of milligauss ("mG"). The level of an MF near line conductors carrying current depends on the magnitude of the current, the distance between conductors, and the distance from the conductors to the measurement location.

Both electric and magnetic fields decrease rapidly as the distance from the source increases. EF levels are further weakened by obstructions such as trees, buildings, or walls, while MF can pass through most materials. In the case of parallel lines of circuit conductors, the levels of EF and MF are also dependent on the phasing of the circuits.

Calculations of Project-Related EMF

Eversource prepared calculations of the post-Project EMF. The calculations were based on average annual loading conditions, as these are most representative of typical conditions. The calculations are made relative to the centerline of the proposed replacement underground transmission lines. The calculations apply at one (1) meter (3.28 feet) above grade and assume that the shallowest cable for each 115-kV circuit is at depths summarized in Table D-1.

Electric field calculations are not performed for underground transmission line cables. The cables would not be a source of electric fields due to the shielding effects of the cable shield wires being grounded, and thus the entire electric field is self-contained.

Table D-1 – Top Cable Depth Assumptions

Configuration	Cable Depth (inches)
Trench	38
Vault	70
Trenchless Crossing	71

Eversource's proposed design for the Project employs a single-circuit underground trench of three phase cables per circuit in PVC conduits. Eversource would incorporate optimized circuit phasing (a "no-cost" measure) to minimize magnetic fields away from the transmission line.

Table D-2 summarizes the calculated post-construction magnetic fields at 1 meter above the centerline of the cables and at 25 feet on either side of the centerline of the cables.

Table D-2 - Summary of Calculated Magnetic Fields

Summary of Fields	Magnetic Field Calculations (mG)	
	25 Feet Offset	Maximum
Trench	8.35	116.10
Vault	18.10	116.14
Trenchless Crossing	11.57	87.56

The results of the calculations are illustrated in graphic form in Attachment 6, EMF Graph.

Comparison of Calculated Fields to International Guidelines

The anticipated fields from the proposed underground transmission lines are well below the internationally established exposure limits for 60-Hz magnetic fields. Specifically, these limits are identified by the International Council on Electromagnetic Safety ("ICES") and the International Council on Non-Ionizing Radiation Protection ("ICNIRP").

These standards are summarized below in Table D-3.

Table D-3 - International Guidelines for EMF Exposure

	MF(mG)
ICES	9,040
ICNIRP	2,000

C. CONSTRUCTION

The Project facilities would be constructed in accordance with established electric utility practices and regulatory requirements, applicable best management practices, final engineering plans, Eversource's specifications and conditions set out in approvals and permits obtained for the Project.

C.1. CONSTRUCTION SEQUENCE

Eversource would conduct the Project in stages. Though the timing and sequence of work may vary, based on site-specific conditions, final Project design, outage availabilities, and regulatory approval requirements. Eversource would complete pre-construction planning activities and consult with the City, CTDOT and other affected stakeholders.

Access to Construction Areas / Traffic Management Plan

Most of the Project Area would be accessed from City streets or parking lots. No new access road construction is anticipated. The access to specific work areas will be conducted in accordance with a Traffic Management Plan (refer to Section C.2 below) to be developed in collaboration with the City.

Staging

Construction staging and laydown areas would be established at two Eversource-owned properties: 226-244 Prospect Avenue (access from Kane Street, refer to Attachment 1, Sheet 5, Line List 070-1144) and 200 Maxim Road (approximately 500 feet south of South Meadow Substation) in Hartford. In addition, the selected contractors may acquire additional laydown or staging areas. Construction equipment utilized during the execution of the work may include backhoes, excavators, front loaders, reel trailers, bulldozers, cranes, forklifts, pickup trucks, concrete trucks, bucket trucks, dump trucks and excavators, boring equipment, vacuum excavators, and water trucks, as needed, along with smaller equipment (pumps, hand tools, etc.). Some activities may occur simultaneously by different crews.

Vegetation Removal

Minimal vegetation removal is required. The Project is located in a highly urbanized environment and, with the exception of the Park River crossings and an unnamed watercourse crossing, would consist of work primarily within existing streets or other previously developed areas, including municipal and private properties. Selective vegetation and tree removal would be necessary in the area between Albany Avenue and Northwest Hartford Substation at the North Branch of the Park River crossing.

Project construction would require approximately 0.06 acre of tree removal on Eversource-owned property between Kane Street and Southwest Hartford Substation (at the crossing of the unnamed watercourse). Tree removal is necessary to install the duct banks for both lines and prohibit roots intruding upon the duct banks in the future. Eversource would minimize vegetation removal activities to the extent practicable and restore temporarily disturbed areas in accordance with Eversource's BMP Manual and any applicable statutes or regulations.

Installation of Erosion and Sedimentation Controls

The majority of work associated with relocation of the transmission lines would not be close to wetlands or watercourses. There are three locations where the replacement cable would cross watercourses: at Northwest Hartford Substation (North Branch of Park River and one small wetland crossing along the existing access road), adjacent to Southwest Hartford Substation (unnamed perennial watercourse), and the South Branch of the Park River at Hamilton Street.

To minimize the potential for erosion and migration of sediments during construction, temporary E&S control measures would be installed, as necessary, prior to the initiation of soil disturbing activities and would be inspected on a routine basis. Such controls would be maintained and replaced, as needed, throughout the construction process. Temporary E&S controls would be left in place until the areas disturbed by construction activities are permanently stabilized. Permanent stabilization within existing road ROWs or otherwise currently paved would consist of the application of pavement for areas and for non-existing paved areas, a grass vegetative cover would be used for permanent stabilization. After final stabilization is achieved, all temporary E&S controls would be removed. Erosion and sedimentation control measures would be implemented as described in more detail in Section B.8, below.

As part of the E&S controls deployed along the proposed route, catch basin filter protection would be utilized to prevent sediments from entering the municipal storm water system. These filters would be regularly inspected and replaced, as needed.

Construction of Temporary Work Areas

Temporary work areas would be altered to create safe and level sites. The size of these areas may vary based on physical constraints and construction needs. The work areas would be underlain by a combination of construction mats and/or gravel. The open trench excavation workspace in and along City roads for equipment and materials would be minimized as much as possible, in order to maintain an open lane of traffic. If entire road closures are necessary during construction, prior notification would be made to the City and those affected (refer to Section C.2, Traffic Management, below).

Duct Bank Construction Sequence

Underground construction activities would generally include, but may not be limited to:

- Pre-excavation activities including the use of hand-held noise generating equipment operated during normal work hours, as well as
    - Marking out existing utilities;
    - Setting up traffic control for vehicle/bicycle/pedestrian continuity of access in a safe manner;
    - Installing E&S controls (as described in Section B.8 above), and
    - Saw-cutting pavement
- Excavation Activities will involve the use of heavier equipment (backhoes, front end loaders, dump trucks, etc.) operated during normal work hours. The excavation/backfill activities will be completed in sections along the Project area ROW, between consecutive vault locations, and include the following:
    - Preparation of temporary work areas
    - Relocating existing utilities, where necessary;
    - Excavating for duct bank and vaults;
    - Installing PVC casing pipe and internal conduits; and
    - Backfilling excavations.

- Restoration of work areas.

Cable Installation and Splicing

Cable installation is comprised of two main activities, cable pulling and cable splicing, as described below.

Cable Pulling

The XLPE transmission cables would be pulled into the duct bank casing pipes using a truck or trailer mounted winch and special cable handling equipment between adjacent vaults. Reel trailers would be located above one splice vault with a cable pulling machine situated at the next vault along the alignment. Cables would be inserted into the casing pipe's internal conduits by winching a pull rope attached to the ends of the cable. A single cable would be pulled into place within each conduit. At each of the substations, the cables would be pulled into a steel termination structure for connection to the substation equipment.

Cable Splicing at Vault Locations

The splicing of XLPE cables involves a precise and complex procedure that requires a controlled atmosphere. This operation is time-consuming and reflects the sensitivity of the cables to moisture (which reduces cable life) and the need to maintain a clean working environment. This controlled atmosphere would be provided by an enclosure or vehicle that must be located over the utility access hole access points during the splicing process. Each cable and associated splice would be stacked vertically and supported on the wall of the splice vault on a racking system (Attachment 2 – Typical Splice Vault Details).

The vaults would also be used as points for installing the temperature-monitoring fiber optic cables and a ground continuity conductor under a separate mobilization. The communication fiber optic cables would be pulled and spliced into a pre-cast hand hole located near each splice vault location. The temperature sensing fiber optic cable and the ground continuity conductor would be pulled into the transmission cable splice vaults. The fiber optic cables and the ground continuity conductor would also be terminated within the substations. Approximately five to seven days would be required to complete the splices in each splice vault (three XLPE 115-kV cable splices in each vault).

C.2. TRAFFIC MANAGEMENT

Traffic impacts of the Project would be temporary and confined to the construction period. The Project work would include excavation primarily within the traveled way and shoulders of City streets. Given that installation of the duct banks would require open-cut trenching, it is anticipated that shoulder closures or single lane closures using one lane alternating traffic with police details would be required during construction. It may also be necessary to close roadways and sidewalks near intersections. All temporary closures would be implemented in accordance with an Eversource Traffic Management Plan ("TMP") developed in coordination with the City and CT DOT permits. If sidewalks or accessible ramps are affected during construction, appropriate traffic control procedures would be installed to maintain adequate access around the construction site for all users. This may include pedestrian detours or diversions as required.

The TMP will be developed to minimize traffic disruption. An analysis of the roadways/parkways affected by the Project activities will inform the scope of the TMP. TMP measures would be developed to minimize impacts and mitigate unavoidable impacts. The items to be addressed in the TMP include:

- ongoing coordination with police and fire departments;
- provisions for emergency vehicle access at all times;
- work schedule and duration of lane closures, road closures, and/or detours where necessary;
- shown lane geometry, tapers, and widths;
- traffic control devices such as barricades, reflective barrels or traffic cones, advance warning signs, traffic regulation signs, arrow boards, portable changeable message signs, detour signs, and other protective devices as required;
- provisions for maintaining access to homes, businesses, and institutional facilities, including specifically, Hartford Hospital facilities;
- routing and safeguarding of pedestrian and bicycle traffic; and

- continuity of public and school bus routes.

Due to the size of the cable reel and clearance limitations along the route, the cable supplier would review travel routes and coordinate with the City of Hartford and CT DOT to designate delivery and travel routes from potential staging areas to vault locations.

Further, as part of its outreach plan, Eversource would develop means and methods for communication with adjacent businesses to avoid interruptions to critical product deliveries and a system to notify municipal officials, local businesses, and the public of the timing and duration of closed curbside parking spaces and travel restrictions. Accordingly, impacts to traffic would be avoided or minimized and appropriately mitigated.

C.3. SOIL HANDLING AND DEWATERING

Handling, intermediate storage, transport, and disposal of excavated material would be in accordance with the BMPs. Excess soil would be pre-characterized prior to excavation and would be live-loaded and transported to an Eversource pre-approved disposal facility. All transport and disposal activities would be conducted in accordance with applicable regulations and Eversource's BMP Manual.

If unknown potentially polluted or contaminated soil is encountered (i.e., visual, or olfactory evidence of petroleum or chemicals), the impacted soil would be live-loaded and transported off-site to an Eversource pre-approved facility for proper characterization and disposal by an Eversource-approved contractor. Any excavated soil suitable for reuse would be temporarily stockpiled at a nearby staging area and protected from migration using appropriate S&EC. Where groundwater or stormwater generated from rain events is present, water from excavated areas would be pumped and discharged through a filter bag before being directed to the storm sewer catch basin[14]. Eversource would conduct pre- and post-construction inspections of each affected catch basin. Where required, catch basins would be cleared of significant debris prior to discharge. Once excavation activities are

[14] Catch basins proximate to work areas would be protected with E&S control measures and in accordance with the requirements of the Stormwater General Permit.

complete, the catch basin(s) would be cleaned of excess sediment with a vacuum truck and the sediment disposed of at an appropriate facility.

If there is suspicion (e.g., based on sheening or odor) that ground/stormwater is contaminated, the water would either be pumped directly into a vacuum truck, or temporarily into a holding tank (e.g., frac tank) for characterization and disposal by an Eversource-approved contractor.

C.4. DECOMMISSIONING AND IN-PLACE RETIREMENT OF THE EXISTING HPFF LINES AND TAPS

Upon completion and energization of the replacement XLPE cable system, the existing HPFF lines would be de-energized and prepared for in-place retirement, which would consist of the following activities:

- Remove the dielectric fluid (mineral oil) from the pipes via pumping. The removal would take place at each of the existing HPFF lines splice vaults. During pumping operations, the dielectric fluid would be transferred into a tank truck for proper recycling or disposal in accordance with Eversource's Investment Recovery Procedure;
- The HPFF cables would be separated into sections at the splice vaults and pulled from the pipes, cut into approximately 20 feet sections and loaded into a leak-proof roll-off dumpster. The cable would then be recycled in accordance with Eversource's Investment Recovery Procedure[15];
- After the cables have been removed from the pipes, the cable terminations in the Substations will be removed or modified as noted above. Additionally, the mineral oil pumphouses and other HPFF ancillary equipment would be removed.
- Once the cable is removed from the pipe, the pipe would be cleaned and inspected using a "smart" PIG, a type of remote sensing technology.[16]
- Following inspection, the pipe would then be capped to allow for the pipe to be filled with low pressure (5 pounds per square inch) nitrogen[17]. A pressure-monitoring cabinet with

[15] The cable pulling process will take approximately two days for each section of the 20 sections.

[16] "Smart Pigging" is an advanced robotic technique that propels a purpose-built pipeline integrity gauge (PIG) unit fitted with a variety of probes and sensors through a pipeline to detect and measure corrosion, metal loss, cracks, dents, and deformations.

[17] Nitrogen is a dry, non- flammable, inert gas commonly used in the utility industry to maintain a dry condition within equipment.

a low-pressure alarm would also be installed within existing substations to monitor the pipe integrity. The cathodic protection equipment would continue to be maintained.

- The oil feed pumphouses at Northwest Hartford Substation and South Meadow Substation would be removed along with any other related ancillary equipment in the substations, as these would not be needed for the XLPE cables.

C.5. RESTORATION

After completion of the work in each line segment (vault to vault), any areas of disturbance would be promptly stabilized to minimize the potential for soil erosion or sediment releases and inspected until stabilization is complete and E&S controls are removed.

Those work areas that are currently paved would be repaved. Initial restoration would typically consist of restoring the affected areas to grade (by backfilling with approved material) and other restoration specified in accordance with municipal or CT DOT requirements, or property owner agreements. Final restoration would be completed in accordance with municipal/agency permits or property owner agreements.

Restoration activities may include reseeding or sodding or turf, where needed, and replanting trees and landscaping.

C.6. CONSTRUCTION SCHEDULE AND WORK HOURS

The planned in-service date for the Project facilities is December 2026. Construction activities are planned to commence in May 2024. A detailed sequence of proposed activities by location will be developed and reviewed with the City prior to the start of the construction project (and throughout the project timeframe).

Construction work hours for the Project would typically be between 7:00 AM and 7:00 PM, six (6) days per week (Monday through Saturday). Construction workers may arrive early and leave the Project laydown and staging areas outside of these times. In addition, during winter, snow-plowing and de-icing activities may commence, when necessary, prior to 7:00 AM to promote a safe environment for construction personnel prior to the start of the workday. On occasion, Sunday work hours are anticipated to be required.

Roadway work hours would vary in accordance with schedules defined in various approvals/permits (CT Siting Council, CT DOT, AMTRAK, City of Hartford). These typical work hours could also vary depending on the construction phase, weather, and season. Certain activities would involve work during non-typical hours, in some cases on a continuous basis (24 hours). In those instances when work during non-typical hours is required, construction activities would be completed as expeditiously as possible after notice to the Council and the City of Hartford. Other activities that could require non-typical work hours include but may not be limited to cable installations; cable splicing; performing work during Connecticut Valley Electric Exchange (CONVEX) or AMTRAK approved outages; and switching, testing, and commissioning. Additionally, non-typical work hours may be implemented in specific locations to mitigate interruptions to business operations or residential properties.

D. MUNICIPAL AND COMMUNITY OUTREACH

Eversource has a dedicated community outreach department that communicates with affected and interested stakeholders throughout the phases of a project, from planning and inception through completion. On this Project, Eversource completed a series of outreach activities to municipal officials, community groups and abutting property owners to inform them of the proposed Project, discuss impacts, restoration and potential mitigation if necessary. Eversource would continue to connect with municipal officials, community groups, abutting property owners and other interested stakeholders throughout the duration of the Project.

Eversource provided an initial overview of the Project to the City of Hartford in April 2022. As the Project route was being finalized, Eversource met with City officials numerous times between April 2022 and December 2023. Eversource presented the Project to the Mayor's Office, the City Council, the Department of Public Works, the Fire Department, and the Colt Park Foundation, and also is working with the City to finalize permanent easements on three City-owned parcels for underground utility rights. Eversource is actively engaging with City officials on the TMP for the Project which includes detours, signage, work hours and other traffic-related details. Eversource provided municipal officials with written notice of the Project and a copy of the letter sent to abutting property owners (refer to Attachment 7, Letter to Abutters and Affidavit of Notice). Per the request of the City, this letter was mailed in both English and Spanish. Eversource would continue to communicate with municipal officials throughout the duration of the Project.

In addition to briefing municipal officials, Eversource met with several Neighborhood Revitalization Zone ("NRZs") Groups representing the areas of Hartford affected by the proposed Project. Two of the groups, Coalition to Strengthen the Sheldon/Charter Oak Neighborhood and Frog Hollow, accepted Eversource's offer to present the Project at one of their monthly meetings. The Parkville and West End group representatives opted to review Project information independently. During discussions and meetings with these groups, questions related to traffic control, work hours and other construction-specific impacts were asked, in addition to questions about the Project need and benefits to the Community. Eversource would continue to communicate with these NRZs throughout the duration of the Project.

Outreach to abutting property owners began in June 2023, when Eversource sent abutters a notice to introduce the Project and explain the proposed scope and schedule. These introduction letters included a Hotline # 1-800-793-2202 and email address - ProjectInfo@eversource.com so

that property owners would be able to reach out to a project representative at their convenience. The notices also included a QR code that leads to a Project-specific website. Eversource is working closely with several abutters on site-specific concerns, including Hartford Hospital and Trinity College as well as several other businesses. Feedback on the location of the vaults and duct bank was evaluated and adjusted where feasible to mitigate concerns expressed by these entities.

Following the mailing of the introduction letters, Eversource connected with abutting property owners in person by executing “door-to-door” outreach. During this type of outreach, if no one is home, a door hanger is left that includes Project information and contact information for follow up. As a part of door-to-door outreach, Eversource meets with property owners and answers any questions or concerns, oftentimes walking the property to review the limits of the easement area and site-specific impacts. Any follow-up topics or specific restoration requests are noted and appropriate follow up is completed.

In conjunction with the submission of this Petition, all abutting property owners were notified, in writing, of the filing with the CSC and were given information regarding how to obtain additional Project materials, as well as how to submit comments to the Council (refer to Attachment G: Letter to the Abutters and Affidavit of Service).

Eversource is committed to continuing these conversations with property owners and would continue to conduct mailings as well as in-person door-to-door outreach throughout the planning and construction of the Project.

CONCLUSION

Each of Eversource's existing 115-kV lines is a "facility" as defined in Conn. Gen. Stat. §16-50i(a) and the Project involves a "modification" of those facilities as defined in Conn. Gen. Stat. §16-50i(d). Based on the information provided in this Petition, Eversource believes that the Project would not have a "substantial adverse environmental effect" and, therefore, does not require a Certificate of Environmental Compatibility and Public Need pursuant to Conn. Gen. Stat. §16-50k(a).

Communications regarding this Petition for a Declaratory Ruling should be directed to:

Deborah Denfeld
Team Lead – Transmission Siting
Eversource Energy
P.O. Box 270
Hartford, Connecticut 06141
Telephone: (860) 728-4654
Deborah.Denfeld@eversource.com

By: Deborah Denfeld

Deborah Denfeld

Team Lead – Transmission Siting

LIST OF ATTACHMENTS

ATTACHMENT 1:	PROJECT MAPS
ATTACHMENT 2:	TYPICAL DUCT BANK AND CASING CROSS-SECTIONS
ATTACHMENT 3:	TRENCHLESS CONSTRUCTION PLANS AND PROFILES
ATTACHMENT 4:	FLOOD CONTINGENCY PLAN
ATTACHMENT 5:	PROTECTED SPECIES CORRESPONDENCE
ATTACHMENT 6:	EMF GRAPH
ATTACHMENT 7:	LETTER TO ABUTTERS AND AFFIDAVIT OF NOTICE

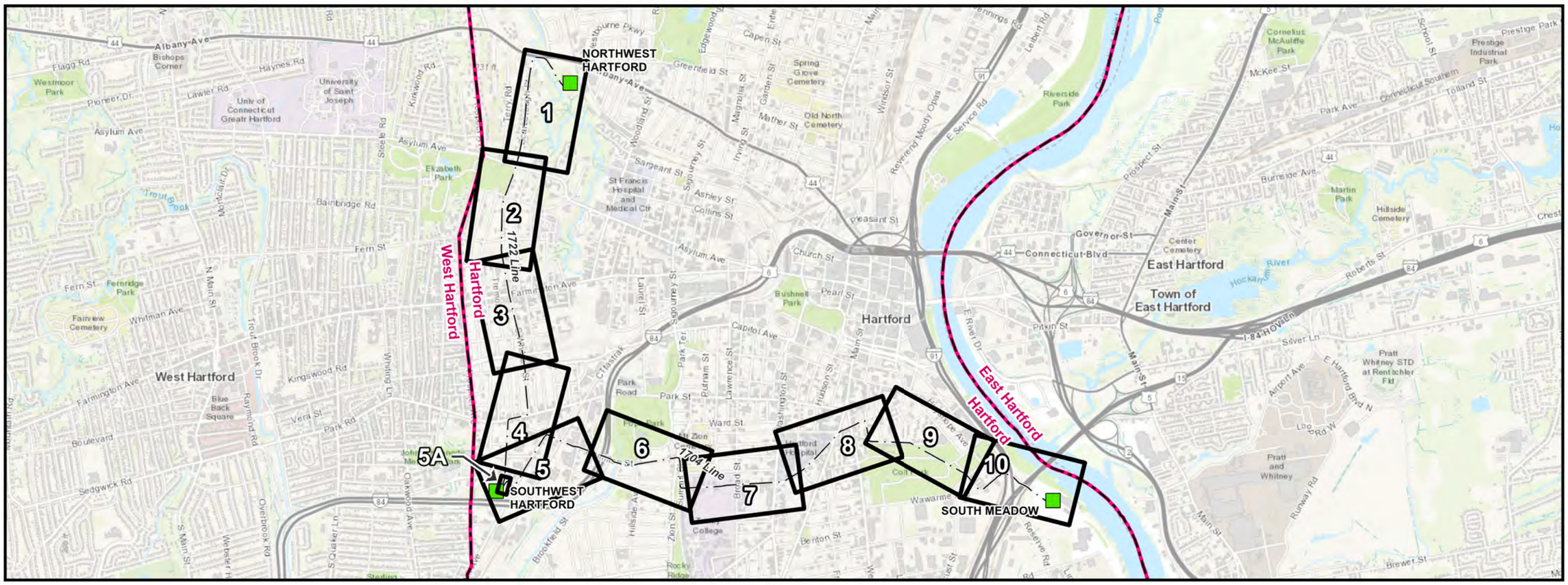
ATTACHMENT 1:

PROJECT MAPS

Hartford Underground Cable Modernization Project

Hartford, CT
Petition Map Set

December 28, 2023



LEGEND

- Underground Eversource Line
- Substation
- Map Sheet
- Municipal Boundary

0 0.25 0.5 1 Miles

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INDEX OF FIGURES

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Abutter Tables and Map Sheets 1-10

PREPARED FOR:

EVERSOURCE ENERGY

107 Selden Street
Berlin, CT 06037

PREPARED BY:

vhb

100 Great Meadow Road
Suite 200
Wethersfield, CT 06109

Mapsheet 1 of 10
Hartford Underground Modernization Project
City of Hartford, Connecticut

AREA OF DESCRIPTION

Existing Land Use & Resource Areas
o Eversource Owned Property
o Residential
o Undeveloped, Forest

RIGHT-OF-WAY DESCRIPTION

Right-of-Way Land Use & Resource Areas
o Undeveloped, Forest
o State and Municipal Roadways

Water Resources
o Wetland - W1
o Watercourse -North Branch Park River
o Wetland Cover Type - PFO1E
o Vernal Pool - None

Wetland and Watercourse Crossing
o Unnamed Stream
o W-1

Right-of-Way Vegetation
o Forest
o Scrub-Shrub

Access
o Existing Access from Albany Avenue (Route 44)

Road Crossings
o Albany Avenue (Route 44)
o Scarborough Street

Existing Maintained Right-of-Way Width / Proposed Right-of-Way Clearing
o Municipal Streets

ABUTTERS TABLE

Abutters Number	Owner First Name	Owner Last Name	Parcel Address	Town	State
005-066	HOUSING AUTHORITY-CITY OF HTFD	N/A	1550 ALBANY AVE	HARTFORD	CT
005-107	CONNECTICUT LIGHT AND POWER COMPANY	N/A	1575 ALBANY AVE	HARTFORD	CT
005-109	CITY OF HARTFORD GR HTFD FLOOD	N/A	1577 ALBANY AVE	HARTFORD	CT
070-1078	PETER J	VALIN	1380 ASYLUM AVE	HARTFORD	CT
070-1079	SHANTA	SHEPHERD	26 SCARBOROUGH ST	HARTFORD	CT
070-1080	DANIEL	KAUFMAN	34 SCARBOROUGH ST	HARTFORD	CT
070-1081	BARBARA	HAMILTON	46 SCARBOROUGH ST	HARTFORD	CT
070-1082	LIANA	GUZMAN	56 SCARBOROUGH ST	HARTFORD	CT
070-1083	SIMON	DESANTIS	68 SCARBOROUGH ST	HARTFORD	CT
070-1084	SCOTT D	WALTER	84 SCARBOROUGH ST	HARTFORD	CT
070-1085	KENNETH B	LERMAN	100 SCARBOROUGH ST	HARTFORD	CT
070-1086	GWEN Z	O`CONNELL	120 SCARBOROUGH ST	HARTFORD	CT
070-1087	WADSWORTH ATHENEUM	N/A	130 SCARBOROUGH ST	HARTFORD	CT
070-1088	DAVID TRUSTEE	JORGENSEN	150 SCARBOROUGH ST	HARTFORD	CT
070-1089	ALAN	LAZOWSKI	170 SCARBOROUGH ST	HARTFORD	CT
070-1090	MICHAEL A	PECK	200 SCARBOROUGH ST	HARTFORD	CT
070-1091	ANISHA LLC	N/A	230 SCARBOROUGH ST	HARTFORD	CT
070-1093	GARY	BAZZANO	1414 ASYLUM AVE	HARTFORD	CT
070-1094	A.	MCDONALD	25 SCARBOROUGH ST	HARTFORD	CT
070-1095	ROBERT H JR	SMITH	39 SCARBOROUGH ST	HARTFORD	CT
070-1096	MICHAEL J	BUENAVENTURA	47 SCARBOROUGH ST	HARTFORD	CT
070-1097	IAIN G	MURRAY	61 SCARBOROUGH ST	HARTFORD	CT
070-1098	MICHELE TRUSTEE	PARROTTA	71 SCARBOROUGH ST	HARTFORD	CT
070-1099	MIGDALIA	RIVERA-ARZOLA	81 SCARBOROUGH ST	HARTFORD	CT
070-1100	BARBARA B TRUSTEE	KENNELLY	95 SCARBOROUGH ST	HARTFORD	CT
070-1101	TIMOTHY S	FISHER	105 SCARBOROUGH ST	HARTFORD	CT
070-1102	SHARPSHOOT LLC	N/A	115 SCARBOROUGH ST	HARTFORD	CT
070-1103	JEFFREY	OGBAR	125 SCARBOROUGH ST	HARTFORD	CT
070-1104	FRANK	MOORE	137 SCARBOROUGH ST	HARTFORD	CT
070-1105	MARILDA G	ALFONSO	155 SCARBOROUGH ST	HARTFORD	CT
070-1106	STEPHEN	RUDDER	165 SCARBOROUGH ST	HARTFORD	CT
070-1107	EUGENE	GREEN	175 SCARBOROUGH ST	HARTFORD	CT
070-1108	GREEK CATHOLIC CHURCH OF HTFD	N/A	205 SCARBOROUGH ST	HARTFORD	CT
070-1109	FIRST CHURCH OF CHRIST SCIENTIST HARTFORD CONN	N/A	235 SCARBOROUGH ST	HARTFORD	CT
070-1126	VILLAGE FOR FAMILY & CHILDREN (THE)	N/A	1680 ALBANY AVE	HARTFORD	CT
070-1127	STATE OF CONN DEPT OF TRANS	N/A	1620 ALBANY AVE	HARTFORD	CT

INDEX MAP

Legend

- Existing Eversource Underground Route
- Proposed Eversource Underground Lines
- Existing Access
- Vault
- Selective Tree Removal Area
- Temporary Construction Matting
- Delineated Wetland Boundary Outline
- Field Delineated Wetland
- FEMA Floodway
- FEMA 100-Year Flood Zone
- FEMA 500-Year Floodplain
- Gate
- 2-ft Contour Line
- 10-ft Contour Line
- Parcel Boundary
- Eversource Owned Property
- Municipal Boundary

Base Map Source: 2023 NearMap Imagery

1 Inch = 200 feet

0 100 200 Feet

NO.	DATE	REVISIONS	BY	CHK	APP	APP

EVERSOURCE ENERGY

Hartford Underground Cable Modernization Project

Date: December 28, 2023 | Map Author: L.Burbank

Hartford, CT | Map Sheet 1 of 10

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Mapsheet 2 of 10
Hartford Underground Modernization Project
City of Hartford, Connecticut

AREA OF DESCRIPTION

Existing Land Use & Resource Areas
o Residential
o Undeveloped, Forest
o City of Hartford Elizabeth Park Conservancy
o Municicpal Board of Education

RIGHT-OF-WAY DESCRIPTION

Right-of-Way Land Use & Resource Areas
o Municipal Streets
o City of Hartford Elizabeth Park Conservancy

Water Resources
o Wetland - None
o Watercourse - None
o Vernal Pool - None

Wetland and Watercourse Crossing
o None

Right-of-Way Vegetation
o Street Trees
o Maintained lawns

Access
o Whitney Street
o Scarborough Street

Road Crossings
o Elizabeth Street
o Fern Street
o Asylum Ave
o Cone Street

Existing Maintained Right-of-Way Width / Proposed Right-of-Way Clearing
o Municipal Streets

ABUTTERS TABLE

Abutters Number	Owner First Name	Owner Last Name	Parcel Address	Town	State
070-912	CITY OF HARTFORD BOARD OF EDUC	N/A	5 CONE ST	HARTFORD	CT
070-926	MARIA	HARVEY	62 WHITNEY ST	HARTFORD	CT
070-927	FIRST CHURCH OF THE LIVING GOD INC	N/A	70 WHITNEY ST	HARTFORD	CT
070-928	UNITED CEREBRAL PALSY ASSOC OF GREATER HARTFORD INC	N/A	80 WHITNEY ST	HARTFORD	CT
070-929	WENZOLA LOWE TRUSTEE	PERRY	96 WHITNEY ST	HARTFORD	CT
070-930	LOUIS A	LISTA	100 WHITNEY ST	HARTFORD	CT
070-931	DARIO A	EURAQUE	104 WHITNEY ST	HARTFORD	CT
070-932	CLARA	ACOSTA-GLYNN	114 WHITNEY ST	HARTFORD	CT
070-933	MARCUS	LANE	120 WHITNEY ST	HARTFORD	CT
070-952	MELISSA A	WILLIAMS	2 CONE ST	HARTFORD	CT
070-953	MARK	FULLERTON	95 WHITNEY ST	HARTFORD	CT
070-954	THE M.M.B. REVOCABLE TRUST	N/A	99 WHITNEY ST	HARTFORD	CT
070-955	DAVID M.	TANGARONE	103 WHITNEY ST	HARTFORD	CT
070-956	KEVIN M	RIGGOTT	109 WHITNEY ST	HARTFORD	CT
070-957	M EMILIE	HOLLAND	113 WHITNEY ST	HARTFORD	CT
070-958	2FISH BROOK LLC	N/A	117 WHITNEY ST	HARTFORD	CT
070-966	ONE TWENTY SEVEN WHITNEY LLC	N/A	127 WHITNEY ST	HARTFORD	CT
070-967	HAZEL C	FIGUEROA	131 WHITNEY ST	HARTFORD	CT
070-968	KEVIN	HOLLAND	135 WHITNEY ST	HARTFORD	CT
070-969	HIDE W	INGA	139 WHITNEY ST	HARTFORD	CT
070-970	GEORGE M	LEWIS	143 WHITNEY ST	HARTFORD	CT
070-971	GEORGE	LEWIS	147 WHITNEY ST	HARTFORD	CT
070-972	ERIN M	SHEEHAN	151 WHITNEY ST	HARTFORD	CT
070-973	MARIANNE	DECONTI	155 WHITNEY ST	HARTFORD	CT
070-974	LIZHONG	WANG	159 WHITNEY ST	HARTFORD	CT
070-975	SISSON AVE 16 LLC	N/A	163 WHITNEY ST	HARTFORD	CT
070-976	THOMAS I JR	BERRY	167 WHITNEY ST	HARTFORD	CT
070-977	ONE SEVENTY ONE WHITNEY LLC	N/A	171 WHITNEY ST	HARTFORD	CT
070-978	ONE SEVENTY FIVE WHITNEY LLC	N/A	175 WHITNEY ST	HARTFORD	CT
070-979	ONE SEVENTY NINE WHITNEY LLC	N/A	179 WHITNEY ST	HARTFORD	CT
070-980	ROBERT R	WILSON	183 WHITNEY ST	HARTFORD	CT
070-981	WHITNEY STREET APARTMENTS LLC	N/A	187 WHITNEY ST	HARTFORD	CT
070-982	AVRUMSON ERIC	N/A	195 WHITNEY ST	HARTFORD	CT
070-983	ADRIAN	MACKIEWSKI	201 WHITNEY ST	HARTFORD	CT
070-984	DWIGHT	LATIF	205 WHITNEY ST	HARTFORD	CT
070-985	BETTY N	SCOTT	209 WHITNEY ST	HARTFORD	CT
070-986	TARA SHEDRUP INC	N/A	157 ELIZABETH ST	HARTFORD	CT
070-1021	CRISPIN	PESCE	128 WHITNEY ST	HARTFORD	CT
070-1022	ANA L	VASSALLO	134 WHITNEY ST	HARTFORD	CT
070-1023	DANIEL R	LYNCH	138 WHITNEY ST	HARTFORD	CT
070-1024	ERIC J	HARTUNG	142 WHITNEY ST	HARTFORD	CT
070-1025	148 WHITNEY LLC	N/A	148 WHITNEY ST	HARTFORD	CT
070-1026	JOEL	TOWNSEND	150 WHITNEY ST	HARTFORD	CT
070-1027	SARAH	ROTHENBERG	154 WHITNEY ST	HARTFORD	CT
070-1028	THE WHITNEY HOUSE LLC	N/A	158 WHITNEY ST	HARTFORD	CT
070-1029	MARTIN	MELNICK	162 WHITNEY ST	HARTFORD	CT
070-1030	YVONNE P	DUNCAN	168 WHITNEY ST	HARTFORD	CT
070-1031	SAF PROPERTY II LLC	N/A	172 WHITNEY ST	HARTFORD	CT

070-1032	DAVID W	BOBOWSKI	176 WHITNEY ST	HARTFORD	CT
070-1033	REBECCA	ROGERS	180 WHITNEY ST	HARTFORD	CT
070-1034	BASIL H	POWELL	184 WHITNEY ST	HARTFORD	CT
070-1035	DUBUQUE GALLO CYNTHIA	N/A	188 WHITNEY ST	HARTFORD	CT
070-1036	MATTHEW O N	FITZSIMMONS	192 WHITNEY ST	HARTFORD	CT
070-1037	ANTHONY	DEJESUS	196 WHITNEY ST	HARTFORD	CT
070-1038	HENRY F	MURRAY	200 WHITNEY ST	HARTFORD	CT
070-1039	NANCY B	MCLAREN	204 WHITNEY ST	HARTFORD	CT
070-1040	IAN	PORTER	210 WHITNEY ST	HARTFORD	CT
070-1041	SISTERS OF SAINT JOSEPH CORP	N/A	145 ELIZABETH ST	HARTFORD	CT
070-1062	FORTUNE RUTH R LIVING TRUST	N/A	140 ELIZABETH ST	HARTFORD	CT
070-1063	ALLAN B	TAYLOR	238 WHITNEY ST	HARTFORD	CT
070-1064	GREGORY A	BROOKES	248 WHITNEY ST	HARTFORD	CT
070-1065	MATHEW	MARKS	258 WHITNEY ST	HARTFORD	CT
070-1066	DORETH	FLOWERS	264 WHITNEY ST	HARTFORD	CT
070-1067	KATHERINE J	LAMBERT	270 WHITNEY ST	HARTFORD	CT
070-1068	LLOYD E JR	SEYLER	276 WHITNEY ST	HARTFORD	CT
070-1069	CHRISTOPHER W	MCCARRON	1391 ASYLUM AVE	HARTFORD	CT
070-1070	CITY OF HARTFORD PARK DEPT	N/A	872 PROSPECT AVE	HARTFORD	CT
070-1078	PETER J	VALIN	1380 ASYLUM AVE	HARTFORD	CT
070-1079	SHANTA	SHEPHERD	26 SCARBOROUGH ST	HARTFORD	CT
070-1093	GARY	BAZZANO	1414 ASYLUM AVE	HARTFORD	CT
070-1094	ANDREW J	MCDONALD	25 SCARBOROUGH ST	HARTFORD	CT

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INDEX MAP

Legend

- Existing Eversource Underground Route
- Proposed Eversource Underground Lines
- Vault
- 2-ft Contour Line
- 10-ft Contour Line
- Parcel Boundary
- Municipal Boundary

Base Map Source: 2023 NearMap Imagery

1 Inch = 200 feet

0 100 200 Feet

NO.	DATE	REVISIONS	BY	CHK	APP	APP

EVERSOURCE ENERGY

Hartford Underground Cable Modernization Project

Date: December 28, 2023 | Map Author: L.Burbank

Hartford, CT | Map Sheet 2 of 10

vhb

Mapsheet 3 of 10
Hartford Underground Modernization Project
City of Hartford, Connecticut

AREA OF DESCRIPTION

Existing Land Use & Resource Areas
o Residential
o Commercial
o Place of Worship
o Municipal Board of Education

RIGHT-OF-WAY DESCRIPTION

Right-of-Way Land Use & Resource Areas
o Municipal Streets

Water Resources
o Wetland - None
o Watercourse - None
o Vernal Pool - None

Wetland and Watercourse Crossing
o None

Right-of-Way Vegetation
o Street Trees
o Maintained lawns

Access
o South Whitney Street
o Whitney Street

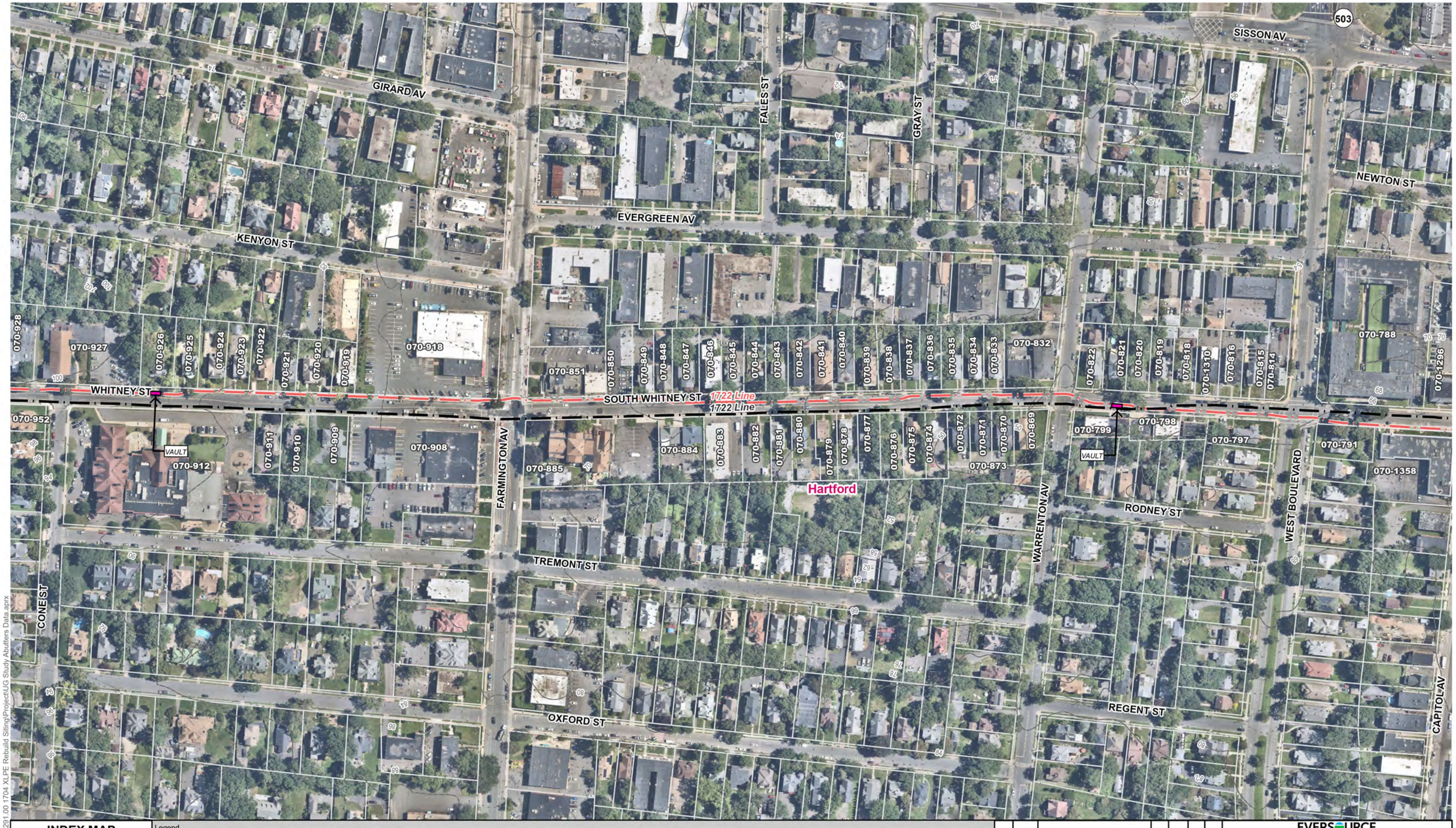
Road Crossings
o Farmington Avenue
o Cone Street
o Warrenton Avenue
o West Boulevard

Existing Maintained Right-of-Way Width / Proposed Right-of-Way Clearing
o Municipal Streets

ABUTTERS TABLE

Abutters Number	Owner First Name	Owner Last Name	Parcel Address	Town	State
070-788	873WB.COM LLC	N/A	873 WEST BLVD	HARTFORD	CT
070-791	RUTH V	FULTON	905 WEST BLVD	HARTFORD	CT
070-797	CLAUDETTE C	FRANCIS	900 WEST BLVD	HARTFORD	CT
070-798	UPPER WHITNEY LLC	N/A	155 SOUTH WHITNEY ST	HARTFORD	CT
070-799	B&S EQUITIES LLC	N/A	171 SOUTH WHITNEY ST	HARTFORD	CT
070-814	JEFFREY L	POLINSKY	890 WEST BLVD	HARTFORD	CT
070-815	JEFFREY L	POLINSKY	146 SOUTH WHITNEY ST	HARTFORD	CT
070-816	CROSS WHITNEY LLC	N/A	150 SOUTH WHITNEY ST	HARTFORD	CT
070-818	TIMOTHY L	MCLEAN	158 SOUTH WHITNEY ST	HARTFORD	CT
070-819	THOMAS S JR	SHIPPEE	160 SOUTH WHITNEY ST	HARTFORD	CT
070-820	MARGARET E	MICHAUD	166 SOUTH WHITNEY ST	HARTFORD	CT
070-821	CAPITOL CITY INVESTMENTS LLC	N/A	170 SOUTH WHITNEY ST	HARTFORD	CT
070-822	RUPERT	GRANT	174 SOUTH WHITNEY ST	HARTFORD	CT
070-832	LOWER WHITNEY LLC	N/A	178 SOUTH WHITNEY ST	HARTFORD	CT
070-833	STACY ANN L	WALKER	190 SOUTH WHITNEY ST	HARTFORD	CT
070-834	DONNA M	NELSON	194 SOUTH WHITNEY ST	HARTFORD	CT
070-835	CARMEN T	FUENTES	198 SOUTH WHITNEY ST	HARTFORD	CT
070-836	DONNA M	COSTELLO	202 SOUTH WHITNEY ST	HARTFORD	CT
070-837	JOHN	VAUGHAN	206 SOUTH WHITNEY ST	HARTFORD	CT
070-838	JANE	TAYLOR	210 SOUTH WHITNEY ST	HARTFORD	CT
070-839	SHADRACH DANIEL	NELSON	214 SOUTH WHITNEY ST	HARTFORD	CT
070-840	JEFFREY A TRUSTEE	REINER	218 SOUTH WHITNEY ST	HARTFORD	CT
070-841	UPPER WHITNEY LLC	N/A	224 SOUTH WHITNEY ST	HARTFORD	CT
070-842	UPPER WHITNEY LLC	N/A	226 SOUTH WHITNEY ST	HARTFORD	CT
070-843	JOHN T JR	TYSZKA	230 SOUTH WHITNEY ST	HARTFORD	CT
070-844	FLORENCE J	BURNETT	238 SOUTH WHITNEY ST	HARTFORD	CT
070-845	LOWER WHITNEY LLC	N/A	240 SOUTH WHITNEY ST	HARTFORD	CT
070-846	UPPER WHITNEY LLC	N/A	242 SOUTH WHITNEY ST	HARTFORD	CT
070-847	WHITNEY HOMES LLC	N/A	246 SOUTH WHITNEY ST	HARTFORD	CT
070-848	LOWER WHITNEY LLC	N/A	250 SOUTH WHITNEY ST	HARTFORD	CT
070-849	WHITNEY HOMES LLC	N/A	254 SOUTH WHITNEY ST	HARTFORD	CT
070-850	E UDOLF INC	N/A	258 SOUTH WHITNEY ST	HARTFORD	CT
070-851	E AND L UDOLF LLC	N/A	553 FARMINGTON AVE	HARTFORD	CT
070-869	KEVIN	BLACKWOOD	183 SOUTH WHITNEY ST	HARTFORD	CT
070-870	SERGIO	CONTRERAS	187 SOUTH WHITNEY ST	HARTFORD	CT
070-871	SERGIO	CONTRERAS	191 SOUTH WHITNEY ST	HARTFORD	CT
070-872	SERGIO	CONTRERAS	195 SOUTH WHITNEY ST	HARTFORD	CT
070-873	COREYLN	CRANE	86 WARRENTON AVE	HARTFORD	CT
070-874	A & M EQUITIES LLC	N/A	201 SOUTH WHITNEY ST	HARTFORD	CT
070-875	BEATA	GORCZYSKI	205 SOUTH WHITNEY ST	HARTFORD	CT
070-876	ANGELINA	MARTINEZ	209 SOUTH WHITNEY ST	HARTFORD	CT
070-877	BEATA	GORCZYSKI	213 SOUTH WHITNEY ST	HARTFORD	CT
070-878	CARLOS ROBERTO	FIORETE	217 SOUTH WHITNEY ST	HARTFORD	CT
070-879	THOMAS R	GIULIANO	223 SOUTH WHITNEY ST	HARTFORD	CT
070-880	225 SOUTH WHITNEY STREET LLC	N/A	225 SOUTH WHITNEY ST	HARTFORD	CT
070-881	MARK E ESTATE	THOMPSON	229 SOUTH WHITNEY ST	HARTFORD	CT
070-882	233SFB LLC	N/A	233 SOUTH WHITNEY ST	HARTFORD	CT
070-883	243 S WHITNEY LLC	N/A	243 SOUTH WHITNEY ST	HARTFORD	CT

070-884	LOWER WHITNEY LLC	N/A	245 SOUTH WHITNEY ST	HARTFORD	CT
070-885	UNITED METHODIST CHURCH OF HARTFORD	N/A	571 FARMINGTON AVE	HARTFORD	CT
070-908	MIDTOWN ASSOC LLC	N/A	560 FARMINGTON AVE	HARTFORD	CT
070-909	THOMAS OLIVER SR	ORTIQUE	31 WHITNEY ST	HARTFORD	CT
070-910	FREDERICK L	BROWN	35 WHITNEY ST	HARTFORD	CT
070-911	NATALIE	REAL	41 WHITNEY ST	HARTFORD	CT
070-912	CITY OF HARTFORD BOARD OF EDUC	N/A	5 CONE ST	HARTFORD	CT
070-918	VA PROPERTIES LLC	N/A	550 FARMINGTON AVE	HARTFORD	CT
070-919	CAPITOL PROPERTIES LLC	N/A	28 WHITNEY ST	HARTFORD	CT
070-920	PHILIP	BARNETT	34 WHITNEY ST	HARTFORD	CT
070-921	TIMOTHY RYAN	MCNEIL	38 WHITNEY ST	HARTFORD	CT
070-922	PAUL F	SEALS	44 WHITNEY ST	HARTFORD	CT
070-923	NIKEISHA P	WRIGHT	48 WHITNEY ST	HARTFORD	CT
070-924	DOUGLAS R	SAVITSKY	52 WHITNEY ST	HARTFORD	CT
070-925	WILLIAM L	VAN NOPPEN	56 WHITNEY ST	HARTFORD	CT
070-926	MARIA	HARVEY	62 WHITNEY ST	HARTFORD	CT
070-927	FIRST CHURCH OF THE LIVING GOD INC	N/A	70 WHITNEY ST	HARTFORD	CT
070-928	UNITED CEREBRAL PALSY ASSOC OF GREATER HARTFORD INC	N/A	80 WHITNEY ST	HARTFORD	CT
070-952	MELISSA A	WILLIAMS	2 CONE ST	HARTFORD	CT
070-1296	112 SOUTH WHITNEY ST CONDO	N/A	112 SOUTH WHITNEY ST	HARTFORD	CT
070-1310	CROSS WHITNEY LLC	N/A	154 SOUTH WHITNEY ST	HARTFORD	CT
070-1358	CAPITOL HARTFORD LLC	N/A	115 SOUTH WHITNEY ST	HARTFORD	CT



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INDEX MAP

Legend

- Existing Eversource Underground Route
- Proposed Eversource Underground Lines
- Vault
- 2-ft Contour Line
- 10-ft Contour Line
- Parcel Boundary
- Municipal Boundary

Base Map Source: 2023 NearMap Imagery

1 Inch = 200 feet

0 100 200 Feet

NO.	DATE	REVISIONS	BY	CHK	APP	APP

EVERSOURCE ENERGY

Hartford Underground Cable Modernization Project

Date: December 28, 2023 | Map Author: L.Burbank

Hartford, CT

vhb

Map Sheet 3 of 10

Mapsheet 4 of 10
Hartford Underground Modernization Project
City of Hartford, Connecticut

AREA OF DESCRIPTION
Existing Land Use & Resource Areas
o Residential
o Commercial
o Place of Worship
o Municipal Board of Education

RIGHT-OF-WAY DESCRIPTION
Right-of-Way Land Use & Resource Areas
o Municipal Streets

Water Resources
o Wetland - None
o Watercourse - None
o Vernal Pool - None

Wetland and Watercourse Crossing
o None

Right-of-Way Vegetation
o Street Trees
o Maintained lawns

Access
o South Whitney Street
o Park Street
o Madison Avenue
o New Park Avenue
o Hamilton Street
o Kibbe Street

Road Crossings
o South Whitney Street
o Park Street
o Madison Avenue
o New Park Avenue
o Hamilton Street
o Grace Street
o Kibbe Street
o Bulkeley Avenue

Existing Maintained Right-of-Way Width / Proposed Right-of-Way Clearing
o Municipal Streets

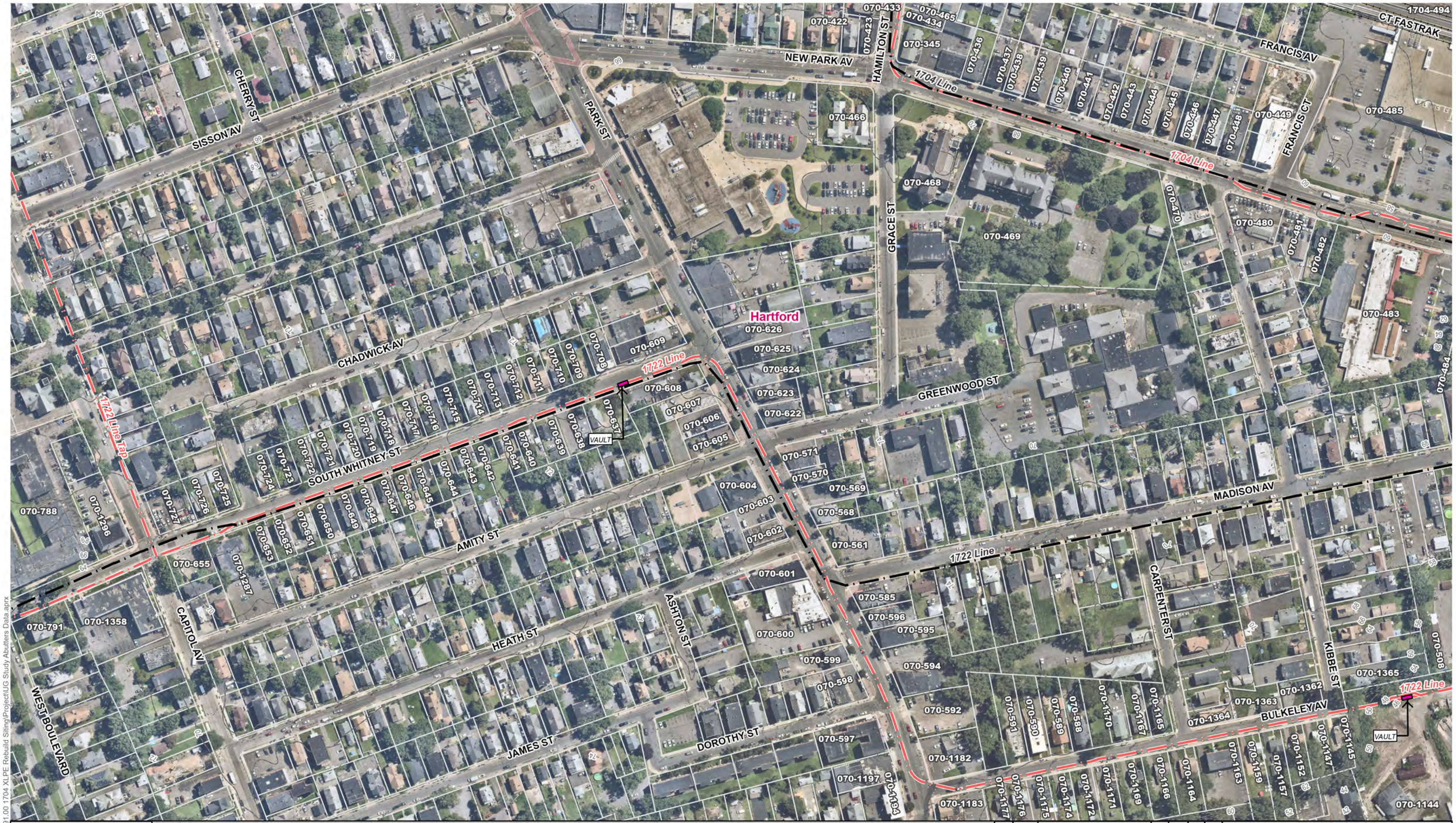
ABUTTERS TABLE

Abutters Number	Owner First Name	Owner Last Name	Parcel Address	Town	State
070-345	ANTHONY	MENDES	62 NEW PARK AVE	HARTFORD	CT
070-422	ENRIQUE LU	MALDONADO	300 HAMILTON ST	HARTFORD	CT
070-423	JASON M	FREDLUND	54 NEW PARK AVE	HARTFORD	CT
070-433	MANUEL F	PIRES	93 FRANCIS AVE	HARTFORD	CT
070-434	LEONARD	MOHAMMED	299 HAMILTON ST	HARTFORD	CT
070-436	ROCEDU HOMES ONE LLC	N/A	74 NEW PARK AVE	HARTFORD	CT
070-437	JOAQUIM ESPIRITO	SANTO	78 NEW PARK AVE	HARTFORD	CT
070-438	82 NEW PARK AVE LLC	N/A	82 NEW PARK AVE	HARTFORD	CT
070-439	HANH K	CHUNG	88 NEW PARK AVE	HARTFORD	CT
070-440	SIDNEY RAMOS	XAVIER	90 NEW PARK AVE	HARTFORD	CT
070-441	JAMIE	FANA	94 NEW PARK AVE	HARTFORD	CT
070-442	ITOLISE	LESPERANCE	98 NEW PARK AVE	HARTFORD	CT
070-443	NELLO	MORABITO	102 NEW PARK AVE	HARTFORD	CT
070-444	FIRST ASSEMBLY OF GOD CHURCH IN PORTUGESE LANGUAGE	N/A	106 NEW PARK AVE	HARTFORD	CT
070-445	JESUS	RAMIREZ	110 NEW PARK AVE	HARTFORD	CT
070-446	MARIA C	DEJESUS	114 NEW PARK AVE	HARTFORD	CT
070-447	ICHIRO HOUSING LLC	N/A	118 NEW PARK AVE	HARTFORD	CT
070-448	TONG	DUONG	122 NEW PARK AVE	HARTFORD	CT
070-449	NEW SAMARITAN PARKVILLE INC	N/A	8 FRANCIS CT	HARTFORD	CT
070-465	FERNANDO	MAGALHAES	97 FRANCIS AVE	HARTFORD	CT
070-466	DONATIONS AND BEQUESTS FOR CHURCH PURPOSES INC	N/A	55 NEW PARK AVE	HARTFORD	CT
070-468	OUR LADY OF SORROWS CHURCH CORP	N/A	71 NEW PARK AVE	HARTFORD	CT
070-469	MISSIONARIES OF LASALETTE CORP	N/A	85 NEW PARK AVE	HARTFORD	CT
070-470	JOSE A	RAMOS	115 NEW PARK AVE	HARTFORD	CT
070-480	SMART KEY REALTY LLC	N/A	125 NEW PARK AVE	HARTFORD	CT
070-481	SMART KEY REALTY LLC	N/A	135 NEW PARK AVE	HARTFORD	CT
070-482	AAV REALTY LLC	N/A	141 NEW PARK AVE	HARTFORD	CT
070-483	NEW PARK PARTNERS LLC	N/A	151 NEW PARK AVE	HARTFORD	CT
070-483	NEW PARK PARTNERS LLC	N/A	151 NEW PARK AVE	HARTFORD	CT
070-484	213 NEW PARK CT LLC	N/A	213 NEW PARK AVE	HARTFORD	CT
070-485	REHOLD HARTFORD LLC	N/A	150 NEW PARK AVE	HARTFORD	CT
070-498	OUR LADY OF FATIMA RC CHURCH OF HARTFORD	N/A	18 MADISON AVE	HARTFORD	CT
070-499	JUAN D LU	ALVARENGA	28 MADISON AVE	HARTFORD	CT
070-500	JUN TONG	ZHANG	32 MADISON AVE	HARTFORD	CT
070-501	ROSAMARIA	ELIAS	38 MADISON AVE	HARTFORD	CT
070-502	ALANDO	BENT	42 MADISON AVE	HARTFORD	CT
070-503	GEORGE M	LEWIS	48 MADISON AVE	HARTFORD	CT
070-504	JOSE A	ALMEDINA	52 MADISON AVE	HARTFORD	CT
070-505	CHRISTOPHER	DYKEMA	49 KIBBE ST	HARTFORD	CT
070-508	OUR LADY OF FATIMA RC CHURCH OF HARTFORD	N/A	15 MADISON AVE H	HARTFORD	CT
070-509	YANIRA	NOGUERA	27 MADISON AVE	HARTFORD	CT
070-510	31 MADISON ASSOCIATES LLC	N/A	31 MADISON AVE	HARTFORD	CT
070-511	BILLY	ROSADO	43 MADISON AVE	HARTFORD	CT
070-512	VICENTE	CAZASSA	49 MADISON AVE	HARTFORD	CT
070-513	DIANA	RICHARDS	51 MADISON AVE	HARTFORD	CT
070-514	DALE HOLDINGS II LLC	N/A	57 MADISON AVE	HARTFORD	CT
070-519	JUNIOR B	BEATO	65 MADISON AVE	HARTFORD	CT
070-520	DALE HOLDINGS II LLC	N/A	71 MADISON AVE	HARTFORD	CT

070-521	DALE HOLDINGS II LLC	N/A	77 MADISON AVE	HARTFORD	CT
070-522	SESALTINA F	BAPTISTA	89 MADISON AVE	HARTFORD	CT
070-523	LUIS	CORDEIRO	95 MADISON AVE	HARTFORD	CT
070-524	SESALTINA F	BAPTISTA	97 MADISON AVE	HARTFORD	CT
070-531	SESALTINA F	BAPTISTA	9 CARPENTER ST	HARTFORD	CT
070-532	DALE HOLDINGS II LLC	N/A	66 MADISON AVE	HARTFORD	CT
070-534	DALE HOLDINGS LLC	N/A	70 MADISON AVE	HARTFORD	CT
070-535	JONATHAN D	STANGEL	74 MADISON AVE	HARTFORD	CT
070-536	JOAO	MATOS	78 MADISON AVE	HARTFORD	CT
070-537	TERRIS L	HACKETT	82 MADISON AVE	HARTFORD	CT
070-538	JOAD	MATOS	90 MADISON AVE	HARTFORD	CT
070-539	JOAO	MATOS	94 MADISON AVE	HARTFORD	CT
070-540	LEROY	BENT	98 MADISON AVE	HARTFORD	CT
070-541	FELIX	LOPEZ	102 MADISON AVE	HARTFORD	CT
070-542	NHAT QUANG	TRUONG	106 MADISON AVE	HARTFORD	CT
070-543	SO	PAW	118 MADISON AVE	HARTFORD	CT
070-544	JEREMIAH F	MCCARTNEY	120 MADISON AVE	HARTFORD	CT
070-545	CARLOS	MARQUES	122 MADISON AVE	HARTFORD	CT
070-546	MARGARITA	RUIZ	128 MADISON AVE	HARTFORD	CT
070-547	BRYAN PROPERTIES LLC	N/A	134 MADISON AVE	HARTFORD	CT
070-548	FELISMINA ESTATE	SIMAO	138 MADISON AVE	HARTFORD	CT
070-549	LUIS SR	ALMEDINA	144 MADISON AVE	HARTFORD	CT
070-560	ANGEL C	RIVERA	150 MADISON AVE	HARTFORD	CT
070-561	COMMUNITY RENEWAL TEAM INC	N/A	1921 PARK ST	HARTFORD	CT
070-562	UNIVERSAL REALTY HOLDINGS LLC	N/A	5 GREENWOOD ST	HARTFORD	CT
070-568	1911 PARK ST LLC	N/A	1911 PARK ST	HARTFORD	CT
070-569	COSTA PROPERTIES LLC	N/A	1901 PARK ST	HARTFORD	CT
070-570	BRIANA PROPERTIES LLC	N/A	1893 PARK ST	HARTFORD	CT
070-571	BRIANA PROPERTIES LLC	N/A	1881 PARK ST	HARTFORD	CT
070-575	ROBERT	VICAIRE	101 MADISON AVE	HARTFORD	CT
070-576	ANIBAL S	FREITAS	103 MADISON AVE	HARTFORD	CT
070-577	FRANCIS	AUGUSTE	111 MADISON AVE	HARTFORD	CT
070-578	VANDA C	MARQUES	117 MADISON AVE	HARTFORD	CT
070-579	CT EMPIRE LLC	N/A	121 MADISON AVE	HARTFORD	CT
070-580	DAVID	GAETANO	127 MADISON AVE	HARTFORD	CT
070-581	BETTY	BROWN	131 MADISON AVE	HARTFORD	CT
070-582	JOSHUA	MICHTOM	135 MADISON AVE	HARTFORD	CT
070-583	RAUL JOAQUIN	ISIDRO	143 MADISON AVE	HARTFORD	CT
070-584	RICARDO	SERRANO	145 MADISON AVE	HARTFORD	CT
070-585	MLW GROUP LLC	N/A	1951 PARK ST	HARTFORD	CT
070-588	VILMARIE	ROCHE	34 BULKELEY AVE	HARTFORD	CT
070-589	MARIDZA	ACEVEDO	30 BULKELEY AVE	HARTFORD	CT
070-590	WILLIAM	GALARZA	26 BULKELEY AVE	HARTFORD	CT
070-591	RAYMOND	ROY	20 BULKELEY AVE	HARTFORD	CT
070-592	2025 PARK STREET H LLC	N/A	2025 PARK ST	HARTFORD	CT
070-594	1993-1999 PARK STREET H LLC	N/A	1993 PARK ST	HARTFORD	CT
070-595	JOSE	DACOSTA	1973 PARK ST	HARTFORD	CT
070-596	AMITY PARK LLC	N/A	1963 PARK ST	HARTFORD	CT
070-597	33-2026 PARK STREET LLC	N/A	2014 PARK ST	HARTFORD	CT
070-598	BRAZIL GRILL & PIZZA LLC	N/A	1996 PARK ST	HARTFORD	CT
070-599	VEER & SUKH LLC	N/A	1976 PARK ST	HARTFORD	CT
070-600	R&U PARK STREET LLC	N/A	1944 PARK ST	HARTFORD	CT
070-601	JOAQUM ESPIRITO	SANTO	1932 PARK ST	HARTFORD	CT

070-602	LA ESTRELLA BAKERY INC	N/A	1916 PARK ST	HARTFORD	CT
070-603	LA ESTRELLA BAKERY INC	N/A	1906 PARK ST	HARTFORD	CT
070-604	TEMPLO SION PENTECOSTAL	N/A	1886 PARK ST	HARTFORD	CT
070-605	DOMINGOS D	BARBOSA	1870 PARK ST	HARTFORD	CT
070-606	1856 PARK STREET CARABETTA LLC	N/A	1856 PARK ST	HARTFORD	CT
070-607	HAI H	NGUYEN	1850 PARK ST	HARTFORD	CT
070-608	1840 PARK LLC	N/A	1840 PARK ST	HARTFORD	CT
070-609	1814 PARK ST LLC	N/A	1814 PARK ST	HARTFORD	CT
070-622	JOAQUIM ESPIRITO	SANTOS	1859 PARK ST	HARTFORD	CT
070-623	ANTONIO	ABRANTES	1851 PARK ST	HARTFORD	CT
070-624	NATHAN JACOB LLC	N/A	1839 PARK ST	HARTFORD	CT
070-625	CLIDIA C	SANTO	1833 PARK ST	HARTFORD	CT
070-626	BETA PROPERTIES LLC	N/A	1819 PARK ST	HARTFORD	CT
070-637	GEDAIAS FERMIANO	PEREIRA	21 SOUTH WHITNEY ST	HARTFORD	CT
070-638	JOAQUIM ESPIRITO	SANTO	25 SOUTH WHITNEY ST	HARTFORD	CT
070-639	HARRY TORRES	BARRIOS	31 SOUTH WHITNEY ST	HARTFORD	CT
070-640	ALLISON HILLS	EDWARDS	35 SOUTH WHITNEY ST	HARTFORD	CT
070-641	VIZCARRA NORA ORTENCIA	BARBARAN	39 SOUTH WHITNEY ST	HARTFORD	CT
070-642	G JOSEPH	CICCAGLIONE	43 SOUTH WHITNEY ST	HARTFORD	CT
070-643	CARLOS M	CABRERA	47 SOUTH WHITNEY ST	HARTFORD	CT
070-644	IVELISSE	OQUENDO	51 SOUTH WHITNEY ST	HARTFORD	CT
070-645	JOAQUIM	LOURO	55 SOUTH WHITNEY ST	HARTFORD	CT
070-646	ANDALEEB ENTERPRISES	N/A	59 SOUTH WHITNEY ST	HARTFORD	CT
070-647	ENRIQUE	VELEZ	61 SOUTH WHITNEY ST	HARTFORD	CT
070-648	ANN	MOORE	65 SOUTH WHITNEY ST	HARTFORD	CT
070-649	JOSE R	MADEIRA	67 SOUTH WHITNEY ST	HARTFORD	CT
070-650	LUIS M	LOPES	71 SOUTH WHITNEY ST	HARTFORD	CT
070-651	HECTOR L	RODRIGUEZ	75 SOUTH WHITNEY ST	HARTFORD	CT
070-652	EDWARD	BARNES	79 SOUTH WHITNEY ST	HARTFORD	CT
070-653	BINH C	TRAN	83 SOUTH WHITNEY ST	HARTFORD	CT
070-655	LE TOWING LLC	N/A	101 SOUTH WHITNEY ST	HARTFORD	CT
070-708	DESH & KULDIP HOLDINGS LLC	N/A	18 SOUTH WHITNEY ST	HARTFORD	CT
070-709	LYSMAR	VAZQUEZ	22 SOUTH WHITNEY ST	HARTFORD	CT
070-710	BRETNIE	BRUNO	26 SOUTH WHITNEY ST	HARTFORD	CT
070-711	AMILCAR C	SANTOS	28 SOUTH WHITNEY ST	HARTFORD	CT
070-712	JOHN	SAMNATH	34 SOUTH WHITNEY ST	HARTFORD	CT
070-713	THE ROBLE`S GROUP CORP INC	N/A	38 SOUTH WHITNEY ST	HARTFORD	CT
070-714	JULIANA A	GUTIERREZ	42 SOUTH WHITNEY ST	HARTFORD	CT
070-715	NELSON M	VELAZQUEZ	46 SOUTH WHITNEY ST	HARTFORD	CT
070-716	ANTUNES JOSE JULIO	N/A	50 SOUTH WHITNEY ST	HARTFORD	CT
070-717	ANDREW	THOMAS	52 SOUTH WHITNEY ST	HARTFORD	CT
070-718	JUDITH E	BUCHELL	56 SOUTH WHITNEY ST	HARTFORD	CT
070-719	HERNANDEZ ESTATE LLC	N/A	60 SOUTH WHITNEY ST	HARTFORD	CT
070-720	ERROL J	BARRETT	64 SOUTH WHITNEY ST	HARTFORD	CT
070-721	MIRIAM	ROYAL	68 SOUTH WHITNEY ST	HARTFORD	CT
070-722	ROSHINE	NEWLAND	74 SOUTH WHITNEY ST	HARTFORD	CT
070-723	LUCIUS	COULOUTE	76 SOUTH WHITNEY ST	HARTFORD	CT
070-724	MARTIN A	VELA	82 SOUTH WHITNEY ST	HARTFORD	CT
070-725	DANIEL	DIAZ	90 SOUTH WHITNEY ST	HARTFORD	CT
070-726	ISAIAS	DE ALMEIDA	94 SOUTH WHITNEY ST	HARTFORD	CT
070-727	JIM	LE	971 CAPITOL AVE	HARTFORD	CT
070-788	873WB.COM LLC	N/A	873 WEST BLVD	HARTFORD	CT
070-791	RUTH V	FULTON	905 WEST BLVD	HARTFORD	CT

070-1144	JOHN F	KESSLER	226 PROSPECT AVE	HARTFORD	CT
070-1145	MARIA CELESTE	RAFAEL	91 BULKELEY AVE	HARTFORD	CT
070-1147	ANTONIA P	BROWNE	87 BULKELEY AVE	HARTFORD	CT
070-1152	NICOLE M	HEALY	83 BULKELEY AVE	HARTFORD	CT
070-1157	AURELIO	LANDRAU	77 BULKELEY AVE	HARTFORD	CT
070-1159	CARMA73 LLC	N/A	73 BULKELEY AVE	HARTFORD	CT
070-1163	CT EVERGREEN APARTMENTS LLC	N/A	59 BULKELEY AVE	HARTFORD	CT
070-1164	ULIANO CONCEICAO ALEXANDRA TRUST	N/A	57 BULKELEY AVE	HARTFORD	CT
070-1165	DIAN JIAN	JIANG	52 BULKELEY AVE	HARTFORD	CT
070-1166	GUILLERMO W	TEJADA	51 BULKELEY AVE	HARTFORD	CT
070-1167	DANTE	EURIBE	48 BULKELEY AVE	HARTFORD	CT
070-1169	LAURA L	MASSEY	45 BULKELEY AVE	HARTFORD	CT
070-1170	MADELINE	SANTOS	44 BULKELEY AVE	HARTFORD	CT
070-1171	EMILY	RIVERA	37 BULKELEY AVE	HARTFORD	CT
070-1172	SALNAVE	LESPERANCE	31 BULKELEY AVE	HARTFORD	CT
070-1174	SANDRA	BENITEZ	27 BULKELEY AVE	HARTFORD	CT
070-1175	HAYDEE	RODRIGUEZ	23 BULKELEY AVE	HARTFORD	CT
070-1176	ARIELE	CONCEPCION	19 BULKELEY AVE	HARTFORD	CT
070-1177	ALFONSO C	DUARTE	15 BULKELEY AVE	HARTFORD	CT
070-1182	PATIKA LLC	N/A	2027 PARK ST	HARTFORD	CT
070-1183	PARKVILLE 1 LLC	N/A	2053 PARK ST	HARTFORD	CT
070-1194	MPC MANAGEMENT LLC	N/A	2048 PARK ST	HARTFORD	CT
070-1197	2034 PARK STREET LLC	N/A	2034 PARK ST	HARTFORD	CT
070-1287	CT EVERGREEN APARTMENTS LLC	N/A	89 SOUTH WHITNEY ST	HARTFORD	CT
070-1296	112 SOUTH WHITNEY ST CONDO	N/A	112 SOUTH WHITNEY ST	HARTFORD	CT
070-1358	CAPITOL HARTFORD LLC	N/A	115 SOUTH WHITNEY ST	HARTFORD	CT
070-1362	ALS MANAGEMENT LLC	N/A	94 KIBBE ST	HARTFORD	CT
070-1363	MARY LEE	HEATH	80 BULKELEY AVE	HARTFORD	CT
070-1364	JENNIE TRUSTEE	RIVERA	35 CARPENTER ST	HARTFORD	CT
070-1365	CECELIA	WAITE	93 KIBBE ST	HARTFORD	CT


NEW PARK AV
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PARK ST
HAMILTON ST
FRANCIS AV
FRANCIS CT
CT FASTRAK
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GRACE ST
GREENWOOD ST
CHADWICK AV
1722 Line
1722 Line Tap
SOUTH WHITNEY ST
AMITY ST
HEATH ST
JAMES ST
DOROTHY ST
ASHTON ST
CAPITOL AV
WEST BOULEVARD
MADISON AV
CARPENTER ST
KIBBE ST
BULKELEY AV
VAULT
Hartford
070-433
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Hartford
West Hartford
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Proposed Eversource Underground Lines
Vault
2-ft Contour Line
10-ft Contour Line
Parcel Boundary
Municipal Boundary
Base Map Source:
2023 NearMap Imagery
1 Inch = 200 feet
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100
200
Feet
NO.
DATE
REVISIONS
BY
CHK
APP
APP
EVERSOURCE ENERGY
Hartford Underground Cable Modernization Project
Date: December 28, 2023
Map Author: L.Burbank
Hartford, CT
Map Sheet 4 of 10
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Mapsheet 5 of 10
Hartford Underground Modernization Project
City of Hartford, Connecticut

AREA OF DESCRIPTION

Existing Land Use & Resource Areas
o Residential
o Commercial
o Place of Worship
o CT Fastrak Busway
o Amtrak Railroad
o 100-Year Flood Zone, Unnamed stream
o 500-Year Flood Zone, Unnamed Stream

RIGHT-OF-WAY DESCRIPTION

Right-of-Way Land Use & Resource Areas
o Undeveloped, Forest
o State and Municipal Roadways
o Maintained Lawn

Water Resources
o Wetland - None
o Watercourse - Unnamed Stream
o Vernal Pool - None

Wetland and Watercourse Crossing
o Unnamed Stream Eversource Property

Right-of-Way Vegetation
o Street Trees
o Maintained lawns

Access
o Hamilton Street
o New Park Avenue
o Kane Avenue
o Kibbe Street

Road Crossings
o Hamilton Street
o New Park Avenue
o Kane Avenue
o Francis Court
o Bartholomew Avenue
o Kibbe Street

Existing Maintained Right-of-Way Width / Proposed Right-of-Way Clearing
o Municipal Streets

ABUTTERS TABLE

Abutters Number	Owner First Name	Owner Last Name	Parcel Address	Town	State
070-345	ANTHONY	MENDES	62 NEW PARK AVE	HARTFORD	CT
070-410	POWER PLUS EQUIPMENT LLC	N/A	281 HAMILTON ST	HARTFORD	CT
070-415	STATE OF CONN DEPT OF TRANS	N/A	86 FRANCIS AVE	HARTFORD	CT
070-416	JINGYING	LIU	82 FRANCIS AVE	HARTFORD	CT
070-421	ERASMO W	CASTANEDA	85 FRANCIS AVE	HARTFORD	CT
070-422	ENRIQUE LU	MALDONADO	300 HAMILTON ST	HARTFORD	CT
070-423	JASON M	FREDLUND	54 NEW PARK AVE	HARTFORD	CT
070-433	MANUEL F	PIRES	93 FRANCIS AVE	HARTFORD	CT
070-434	LEONARD	MOHAMMED	299 HAMILTON ST	HARTFORD	CT
070-436	ROCEDU HOMES ONE LLC	N/A	74 NEW PARK AVE	HARTFORD	CT
070-437	JOAQUIM ESPIRITO	SANTO	78 NEW PARK AVE	HARTFORD	CT
070-438	82 NEW PARK AVE LLC	N/A	82 NEW PARK AVE	HARTFORD	CT
070-439	HANH K	CHUNG	88 NEW PARK AVE	HARTFORD	CT
070-440	SIDNEY RAMOS	XAVIER	90 NEW PARK AVE	HARTFORD	CT
070-441	JAMIE	FANA	94 NEW PARK AVE	HARTFORD	CT
070-442	ITOLISE	LESPERANCE	98 NEW PARK AVE	HARTFORD	CT
070-443	NELLO	MORABITO	102 NEW PARK AVE	HARTFORD	CT
070-444	FIRST ASSEMBLY OF GOD CHURCH IN PORTUGESE LANGUAGE	N/A	106 NEW PARK AVE	HARTFORD	CT
070-445	JESUS	RAMIREZ	110 NEW PARK AVE	HARTFORD	CT
070-446	MARIA C	DEJESUS	114 NEW PARK AVE	HARTFORD	CT
070-447	ICHIRO HOUSING LLC	N/A	118 NEW PARK AVE	HARTFORD	CT
070-448	TONG	DUONG	122 NEW PARK AVE	HARTFORD	CT
070-449	NEW SAMARITAN PARKVILLE INC	N/A	8 FRANCIS CT	HARTFORD	CT
070-465	FERNANDO	MAGALHAES	97 FRANCIS AVE	HARTFORD	CT
070-466	DONATIONS AND BEQUESTS FOR CHURCH PURPOSES INC	N/A	55 NEW PARK AVE	HARTFORD	CT
070-468	OUR LADY OF SORROWS CHURCH CORP	N/A	71 NEW PARK AVE	HARTFORD	CT
070-469	MISSIONARIES OF LASALETTE CORP	N/A	85 NEW PARK AVE	HARTFORD	CT
070-470	JOSE A	RAMOS	115 NEW PARK AVE	HARTFORD	CT
070-480	SMART KEY REALTY LLC	N/A	125 NEW PARK AVE	HARTFORD	CT
070-481	SMART KEY REALTY LLC	N/A	135 NEW PARK AVE	HARTFORD	CT
070-482	AAV REALTY LLC	N/A	141 NEW PARK AVE	HARTFORD	CT
070-483	NEW PARK PARTNERS LLC	N/A	151 NEW PARK AVE	HARTFORD	CT
070-484	213 NEW PARK CT LLC	N/A	213 NEW PARK AVE	HARTFORD	CT
070-485	REHOLD HARTFORD LLC	N/A	150 NEW PARK AVE	HARTFORD	CT
070-493	EXPCT LLC	N/A	7 KANE ST	HARTFORD	CT
070-494	GREGORY H	FERRUOLO	217 NEW PARK AVE	HARTFORD	CT
070-495	CONNECTICUT LIGHT AND POWER COMPANY	N/A	219 NEW PARK AVE	HARTFORD	CT
070-496	BURGER KING COMPANY LLC	N/A	186 PROSPECT AVE	HARTFORD	CT
070-497	NEC VENTURES II INC	N/A	5 MADISON AVE	HARTFORD	CT
070-498	OUR LADY OF FATIMA RC CHURCH OF HARTFORD	N/A	18 MADISON AVE	HARTFORD	CT
070-499	JUAN D LU	ALVARENGA	28 MADISON AVE	HARTFORD	CT
070-500	JUN TONG	ZHANG	32 MADISON AVE	HARTFORD	CT
070-502	ALANDO	BENT	42 MADISON AVE	HARTFORD	CT
070-503	GEORGE M	LEWIS	48 MADISON AVE	HARTFORD	CT
070-504	JOSE A	ALMEDINA	52 MADISON AVE	HARTFORD	CT
070-504	JOSE A	ALMEDINA	52 MADISON AVE	HARTFORD	CT
070-505	CHRISTOPHER	DYKEMA	49 KIBBE ST	HARTFORD	CT
070-507	OUR LADY OF FATIMA RC CHURCH OF HARTFORD	N/A	7 MADISON AVE	HARTFORD	CT

070-508	OUR LADY OF FATIMA RC CHURCH OF HARTFORD	N/A	15 MADISON AVE H	HARTFORD	CT
070-509	YANIRA	NOGUERA	27 MADISON AVE	HARTFORD	CT
070-510	31 MADISON ASSOCIATES LLC	N/A	31 MADISON AVE	HARTFORD	CT
070-511	BILLY	ROSADO	43 MADISON AVE	HARTFORD	CT
070-512	VICENTE	CAZASSA	49 MADISON AVE	HARTFORD	CT
070-513	DIANA	RICHARDS	51 MADISON AVE	HARTFORD	CT
070-514	DALE HOLDINGS II LLC	N/A	57 MADISON AVE	HARTFORD	CT
070-519	JUNIOR B	BEATO	65 MADISON AVE	HARTFORD	CT
070-520	DALE HOLDINGS II LLC	N/A	71 MADISON AVE	HARTFORD	CT
070-521	DALE HOLDINGS II LLC	N/A	77 MADISON AVE	HARTFORD	CT
070-532	DALE HOLDINGS II LLC	N/A	66 MADISON AVE	HARTFORD	CT
070-534	DALE HOLDINGS LLC	N/A	70 MADISON AVE	HARTFORD	CT
070-535	STANGEL JONATHAN D	N/A	74 MADISON AVE	HARTFORD	CT
070-536	JOAO	MATOS	78 MADISON AVE	HARTFORD	CT
070-537	TERRIS L	HACKETT	82 MADISON AVE	HARTFORD	CT
070-1131	STATE OF CONN	N/A	10 KANE ST	HARTFORD	CT
070-1144	JOHN F	KESSLER	226 PROSPECT AVE	HARTFORD	CT
070-1365	CECELIA	WAITE	93 KIBBE ST	HARTFORD	CT
1704-385	N/A	N/A	N/A	HARTFORD	CT
1704-386	ROBERT J	PARTRIDGE	197 HAMILTON ST	HARTFORD	CT
1704-388	110 BARTHOLOMEW AVENUE LLC	N/A	201 HAMILTON ST	HARTFORD	CT
1704-389	ALFREDA TRUSTEE	O`DONAL	202 HAMILTON ST	HARTFORD	CT
1704-390	SNE HARTFORD LLC	N/A	101 POPE PARK HWY	HARTFORD	CT
1704-392	206-208 HAMILTON STREET LLC	N/A	206 HAMILTON ST	HARTFORD	CT
1704-393	110 BARTHOLOMEW AVENUE LLC	N/A	205 HAMILTON ST	HARTFORD	CT
1704-395	NELLO	MORABITO	210 HAMILTON ST	HARTFORD	CT
1704-396	110 BARTHOLOMEW AVENUE LLC	N/A	211 HAMILTON ST	HARTFORD	CT
1704-397	CARLENE	MILLER	214 HAMILTON ST	HARTFORD	CT
1704-398	BEL HAM GROUP LLC	N/A	213 HAMILTON ST	HARTFORD	CT
1704-400	BEL HAM GROUP LLC	N/A	219 HAMILTON ST	HARTFORD	CT
1704-401	110 BARTHOLOMEW AVENUE LLC	N/A	230 HAMILTON ST	HARTFORD	CT
1704-402	SALVATORE	ORTIZ	221 HAMILTON ST	HARTFORD	CT
1704-405	HECTOR R	RIVERA	225 HAMILTON ST	HARTFORD	CT
1704-408	JOAQUIM J	PORTAL	229 HAMILTON ST	HARTFORD	CT
1704-409	CHAMPLIN-PACKRITE INC	N/A	81 BARTHOLOMEW AVE	HARTFORD	CT
1704-410	237 HAMILTON I L L C	N/A	237 HAMILTON ST	HARTFORD	CT
1704-411	237 HAMILTON I L L C	N/A	175 BARTHOLOMEW AVE	HARTFORD	CT
1704-412	N/A	N/A	N/A	HARTFORD	CT
1704-413	STATE OF CONN DEPT OF TRANS	N/A	270 HAMILTON ST	HARTFORD	CT
1704-494	N/A	N/A	N/A	HARTFORD	CT

VAULT
1722 Line
070-1365
070-1144
KIBBE ST
MADISON AV
070-508
070-497
KANE ST
070-496
100 Year Flood Zone
APPROXIMATE LIMITS FOR WORK AREA FOR CONDUIT INSTALLATION
NO NET FILL WITHIN 100-YEAR FLOODPLAIN
SPAN STREAM
SOUTHWEST HARTFORD
070-495
070-494
070-493
TEMPORARY STREAM IMPACT +/- 229 SF
NO NET FILL WITHIN 100-YEAR FLOODPLAIN
NEW PARK AV
100 Year Flood Zone
84
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070-1131
070-483
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1704 Line
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FRANCIS AV
FRANCIS CT
CT FASTRAK
1704-494
070-416
1704-412
SENDING PIT
070-415
AMTRAK
1704-413
RECIEVING PIT
070-410
1704-409
HAMILTON ST
1704-401
1704-410
Hartford
1704-411
BARTHOLOMEW AV
1704-390
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1704-402
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1704-388
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BELMONT ST
ROSE ST
1704-385
504
WELLINGTON ST

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Legend

- Existing Eversource Underground Route
- Proposed Eversource Underground Lines
- Existing Access
- Proposed Access
- Sending/Receiving Pit
- Vault
- Selective Tree Removal Area
- Proposed Gravel
- Temporary Construction Matting
- Ordinary High Water
- Intermittent
- Perennial
- FEMA 100-Year Flood Zone
- FEMA 500-Year Floodplain
- Temporary Stream Impact Area
- Culvert
- 2-ft Contour Line
- 10-ft Contour Line
- Parcel Boundary
- Eversource Owned Property
- Municipal Boundary

Base Map Source: 2023 NearMap Imagery

1 Inch = 200 feet

0 100 200 Feet

NO.	DATE	REVISIONS	BY	CHK	APP	APP

EVERSOURCE ENERGY

Hartford Underground Cable Modernization Project

Date: December 28, 2023 | Map Author: L.Burbank

Hartford, CT | Map Sheet 5 of 10

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APPROXIMATE LIMITS FOR WORK AREA FOR CONDUIT INSTALLATION

NO NET FILL WITHIN 100-YEAR FLOODPLAIN

SPAN STREAM

TEMPORARY COFFER DAM

NO NET FILL WITHIN 100-YEAR FLOODPLAIN

SOUTHWEST HARTFORD

1722 Line

1722 Line

1704 Line

1704 Line

070-495

070-497

070-494

KANE ST

TEMPORARY COFFER DAM

TEMPORARY FLEXIBLE FLUME PIPE

TEMPORARY STREAM IMPACT
+/- 229 SF

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- Existing Eversource Underground Route
- Proposed Eversource Underground Lines
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- FEMA 100-Year Flood Zone
- Temporary Stream Impact Area
- Stream Flowline
- Temporary Coffer Dam
- Temporary Flexible Pipe
- Culvert
- 2-ft Contour Line
- 10-ft Contour Line
- Parcel Boundary
- Eversource Owned Property
- Municipal Boundary

Base Map Source:
2023 NearMap Imagery

1 Inch = 30 feet

0 15 30 Feet

NO.	DATE	REVISIONS	BY	CHK	APP	APP

EVERSOURCE ENERGY

Hartford Underground Cable Modernization Project

Date: December 28, 2023

Map Author: L.Burbank

Hartford, CT

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Map Sheet 5A of 10

Mapsheet 6 of 10
Hartford Underground Modernization Project
City of Hartford, Connecticut

AREA OF DESCRIPTION

Existing Land Use & Resource Areas
o Residential
o Commercial
o Place of Worship
o College/University
o State Government
o Municipal Government
o 100-Year Flood Zone, South Branch Park River
o 500-Year Flood Zone, South Branch Park River

RIGHT-OF-WAY DESCRIPTION

Right-of-Way Land Use & Resource Areas
o State and Municipal Roadways
o Watercourse - South Branch Park River

Water Resources
o Wetland - None
o Watercourse - South Branch Park River
o Vernal Pool - None

Wetland and Watercourse Crossing
o South Branch Park River

Right-of-Way Vegetation
o Forest
o Scrub-Shrub
o Street Trees
o Maintained lawns

Access
o Hamilton Street
o Vernon Street
o Summit Street

Road Crossings
o Allen Place
o Hillside Avenue
o Brookfield Street
o Wellington Street
o Pope Park Highway No. 4
o Interstate 84/State Route 6

Existing Maintained Right-of-Way Width / Proposed Right-of-Way Clearing
o Municipal Streets

ABUTTERS TABLE

Abutters Number	Owner First Name	Owner Last Name	Parcel Address	Town	State
1704-233	TRINITY COLLEGE TRUSTEES OF	N/A	260 SUMMIT ST	HARTFORD	CT
1704-235	TRINITY COLLEGE TRUSTEES OF	N/A	110 VERNON ST	HARTFORD	CT
1704-236	TRINITY COLLEGE TRUSTEES OF	N/A	114 VERNON ST	HARTFORD	CT
1704-237	CITY OF HARTFORD PARK DEPT	N/A	2 FAIRFIELD AVE	HARTFORD	CT
1704-238	TRINITY COLLEGE TRUSTEES OF	N/A	118 VERNON ST	HARTFORD	CT
1704-239	TRINITY COLLEGE TRUSTEES OF	N/A	108 VERNON ST	HARTFORD	CT
1704-240	PHI KAPPA CHAPTER OF THE ALPHA DELTA PHI FRATERNITY OF	N/A	122 VERNON ST	HARTFORD	CT
1704-241	TRINITY COLLEGE TRUSTEES OF	N/A	183 ALLEN PL	HARTFORD	CT
1704-243	TRINITY COLLEGE TRUSTEES OF	N/A	134 VERNON ST	HARTFORD	CT
1704-246	ST ANTHONY HALL FOUNDATION	N/A	340 SUMMIT ST	HARTFORD	CT
1704-255	CITY OF HARTFORD CEMETERY	N/A	520 ZION ST	HARTFORD	CT
1704-267	FIRST ASSEMBLY OF GOD CHURCH IN PORTUGUESE LANGUAGE	N/A	437 ZION ST	HARTFORD	CT
1704-269	HAMILTON PLACE LLC	N/A	15 HAMILTON ST	HARTFORD	CT
1704-271	DESMOND	WILLIAMS	19 HAMILTON ST	HARTFORD	CT
1704-272	SUMMIT PARK MUTUAL HOUSING LLC	N/A	445 ZION ST	HARTFORD	CT
1704-274	ROSA	VIZCAINO	23 HAMILTON ST	HARTFORD	CT
1704-277	JHONNY	HERRERA	27 HAMILTON ST	HARTFORD	CT
1704-278	RIBBON ROW MUTUAL HOUSING LLC	N/A	4 HAMILTON ST	HARTFORD	CT
1704-281	EDGARDO	COSME	31 HAMILTON ST	HARTFORD	CT
1704-283	PREMIER PROPERTY GROUP CT5 LLC	N/A	8 HAMILTON ST	HARTFORD	CT
1704-286	DEMACEDO CELSO	ODONNELL	35 HAMILTON ST	HARTFORD	CT
1704-288	RENA	THOMAS	18 HAMILTON ST	HARTFORD	CT
1704-292	CARL M	ALMONTE	22 HAMILTON ST	HARTFORD	CT
1704-293	DELSIL R	PICHARDO	39 HAMILTON ST	HARTFORD	CT
1704-296	MARLON	MELENDEZ	26 HAMILTON ST	HARTFORD	CT
1704-297	RIVERA LEOPLODO	SANTOS	45 HAMILTON ST	HARTFORD	CT
1704-299	RAUL	CONTRERAS	28 HAMILTON ST	HARTFORD	CT
1704-300	RIBBON ROW MUTUAL HOUSING LLC	N/A	268 PARK TER	HARTFORD	CT
1704-301	ELVIS	TEJADA	47 HAMILTON ST	HARTFORD	CT
1704-303	ALBERTO	RIVERA	32 HAMILTON ST	HARTFORD	CT
1704-304	PAULINE M	PICARD	53 HAMILTON ST	HARTFORD	CT
1704-307	36 HAMILTON STREET LLC	N/A	36 HAMILTON ST	HARTFORD	CT
1704-309	NASCIMENTO SENA DANILO PATRICK	DO	55 HAMILTON ST	HARTFORD	CT
1704-312	CLASSIC B LLC	N/A	40 HAMILTON ST	HARTFORD	CT
1704-313	Q & E SOLUTIONS LLC	N/A	59 HAMILTON ST	HARTFORD	CT
1704-315	COLOSO CONSTRUCTION LLC	N/A	42 HAMILTON ST	HARTFORD	CT
1704-316	JOHN BOURSIQUOT	BAPISTE	63 HAMILTON ST	HARTFORD	CT
1704-318	OSCAR	ARDON	46 HAMILTON ST	HARTFORD	CT
1704-319	BRYAN PROPERTIES LLC	N/A	67 HAMILTON ST	HARTFORD	CT
1704-321	MALCHAND	GOPAUL	50 HAMILTON ST	HARTFORD	CT
1704-322	JOAQUIM M	FRAGA	71 HAMILTON ST	HARTFORD	CT
1704-324	EDGARDO	COSME	54 HAMILTON ST	HARTFORD	CT
1704-326	MONSERRATE	TORRES	58 HAMILTON ST	HARTFORD	CT
1704-328	FLOR M	VELA	62 HAMILTON ST	HARTFORD	CT
1704-333	RAJMATIE	RAMPERSAUD	66 HAMILTON ST	HARTFORD	CT
1704-335	ERIC L	PETERSON	70 HAMILTON ST	HARTFORD	CT
1704-336	CITY OF HARTFORD PARK DEPT	N/A	321 PARK TER	HARTFORD	CT
1704-338	JOSE	DACOSTA	75 HAMILTON ST	HARTFORD	CT

1704-339	76 HAMILTON STREET LLC	N/A	76 HAMILTON ST	HARTFORD	CT
1704-342	ISAIAS	RUIZ	79 HAMILTON ST	HARTFORD	CT
1704-343	AL J BRITT ENTERPRISES LLC	N/A	78 HAMILTON ST	HARTFORD	CT
1704-345	RICARDO	PINO	83 HAMILTON ST	HARTFORD	CT
1704-346	FILIPE	FONSECA	84 HAMILTON ST	HARTFORD	CT
1704-348	JOSE	RAMIREZ	85 HAMILTON ST	HARTFORD	CT
1704-350	CARLOS	FIGUEROA	41 HILLSIDE AVE	HARTFORD	CT
1704-352	JOSE FELIPE	FONSECA	97 HAMILTON ST	HARTFORD	CT
1704-357	101 HAMILTON LLC	N/A	101 HAMILTON ST	HARTFORD	CT
1704-360	HAMILTON 107 LLC	N/A	107 HAMILTON ST	HARTFORD	CT
1704-361	ADA	LOPEZ	109 HAMILTON ST	HARTFORD	CT
1704-364	MICHAEL	OUELLETTE	113 HAMILTON ST	HARTFORD	CT
1704-366	BENOIT	DULAC	117 HAMILTON ST	HARTFORD	CT
1704-370	8 BROOKFIELD STREET LLC	N/A	8 BROOKFIELD ST	HARTFORD	CT
1704-373	CITY OF HARTFORD TAX COLLECTOR	N/A	143 HAMILTON ST	HARTFORD	CT
1704-377	STATE OF CONN	N/A	10 BROOKFIELD ST	HARTFORD	CT
1704-378	N/A	N/A	N/A	HARTFORD	CT
1704-380	STATE OF CONN	N/A	190 HAMILTON ST	HARTFORD	CT
1704-381	STATE OF CONN	N/A	155 HAMILTON ST	HARTFORD	CT
1704-382	ONIEL	ANDERSON	191 HAMILTON ST	HARTFORD	CT
1704-383	ALFREDA TRUSTEE	O`DONAL	194 HAMILTON ST	HARTFORD	CT
1704-385	N/A	N/A	N/A	HARTFORD	CT
1704-386	ROBERT J	PARTRIDGE	197 HAMILTON ST	HARTFORD	CT
1704-388	110 BARTHOLOMEW AVENUE LLC	N/A	201 HAMILTON ST	HARTFORD	CT
1704-389	ALFREDA TRUSTEE	O`DONAL	202 HAMILTON ST	HARTFORD	CT
1704-390	SNE HARTFORD LLC	N/A	101 POPE PARK HWY	HARTFORD	CT

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Legend

- Existing Eversource Underground Route
- Proposed Eversource Underground Lines
- Existing Access
- Sending/Receiving Pit
- Vault
- Temporary Construction Matting
- FEMA Floodway
- FEMA 100-Year Flood Zone
- FEMA 500-Year Floodplain
- Gate
- 2-ft Contour Line
- 10-ft Contour Line
- Parcel Boundary
- Municipal Boundary

Base Map Source: 2023 NearMap Imagery

1 Inch = 200 feet

0 100 200 Feet

NO.	DATE	REVISIONS	BY	CHK	APP	APP

EVERSOURCE ENERGY

Hartford Underground Cable Modernization Project

Date: December 28, 2023 | Map Author: L.Burbank

Hartford, CT

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Map Sheet 6 of 10

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Mapsheet 7 of 10
Hartford Underground Modernization Project
City of Hartford, Connecticut

AREA OF DESCRIPTION

Existing Land Use & Resource Areas
o Residential
o Commercial
o Place of Worship
o College/University
o State Government
o Municipal Government
o Medical

RIGHT-OF-WAY DESCRIPTION

Right-of-Way Land Use & Resource Areas
o Municipal Streets

Water Resources
o Wetland - None
o Watercourse - None
o Vernal Pool - None

Wetland and Watercourse Crossing
o None

Right-of-Way Vegetation
o Street Trees
o Maintained lawns

Access
o Vernon Street No. 1
o Vernon Street No. 2
o Retreat Avenue

Road Crossings
o Broad Street
o Washington Street

Existing Maintained Right-of-Way Width / Proposed Right-of-Way Clearing
o Municipal Streets

ABUTTERS TABLE

Abutters Number	Owner First Name	Owner Last Name	Parcel Address	Town	State
1704-138	HARTFORD HOSPITAL	N/A	80 SEYMOUR ST	HARTFORD	CT
1704-155	HARTFORD HOSPITAL	N/A	149 RETREAT AVE	HARTFORD	CT
1704-157	HARTFORD HOSPITAL	N/A	151 RETREAT AVE	HARTFORD	CT
1704-158	HARTFORD HOSPITAL	N/A	155 RETREAT AVE	HARTFORD	CT
1704-160	HARTFORD HOSPITAL	N/A	9 SEYMOUR ST	HARTFORD	CT
1704-161	HARTFORD HOSPITAL	N/A	177 RETREAT AVE	HARTFORD	CT
1704-163	HARTFORD HOSPITAL	N/A	195 RETREAT AVE	HARTFORD	CT
1704-164	CIL REALTY INC	N/A	199 RETREAT AVE	HARTFORD	CT
1704-166	CIL REALTY INC	N/A	205 RETREAT AVE	HARTFORD	CT
1704-167	INSTITUTE OF LIVING	N/A	400 WASHINGTON ST	HARTFORD	CT
1704-169	H.H.M.O.B. CORPORATION	N/A	334 WASHINGTON ST	HARTFORD	CT
1704-170	WASHINGTON DEVELOPERS LLC	N/A	325 WASHINGTON ST	HARTFORD	CT
1704-171	CHRISTOPHER L	CARTER	12 VERNON ST	HARTFORD	CT
1704-173	NICOLAS JR	ROSADO	16 VERNON ST	HARTFORD	CT
1704-175	YYM REALTY LLC	N/A	18 VERNON ST	HARTFORD	CT
1704-177	HOWARD J III	JONES	20 VERNON ST	HARTFORD	CT
1704-179	ANWAR	AHMAD	24 VERNON ST	HARTFORD	CT
1704-180	SALLY	MORALES	26 VERNON ST	HARTFORD	CT
1704-182	RON SWANEY LLC	N/A	28 VERNON ST	HARTFORD	CT
1704-184	RON SWANEY LLC	N/A	30 VERNON ST	HARTFORD	CT
1704-185	CITY OF HARTFORD LEARNING CORRIDOR	N/A	53 VERNON ST	HARTFORD	CT
1704-187	RON SWANEY LLC	N/A	32 VERNON ST	HARTFORD	CT
1704-189	CT MAY APARTMENTS LLC	N/A	34 VERNON ST	HARTFORD	CT
1704-192	SOUTHSIDE INSTITUTIONS NEIGHBORHOOD ALLIANCE	N/A	40 VERNON ST	HARTFORD	CT
1704-194	SOUTHSIDE INSTITUTIONS NEIGHBORHOOD ALLIANCE INC	N/A	42 VERNON ST	HARTFORD	CT
1704-198	TRUSTEES OF TRINITY COLLEGE	N/A	1300 BROAD ST	HARTFORD	CT
1704-204	TRINITY COLLEGE TRUSTEES OF	N/A	58 VERNON ST	HARTFORD	CT
1704-208	TRINITY COLLEGE TRUSTEES OF	N/A	66 VERNON ST	HARTFORD	CT
1704-210	TRINITY COLLEGE TRUSTEES OF	N/A	70 VERNON ST	HARTFORD	CT
1704-212	TRINITY COLLEGE TRUSTEES OF	N/A	72 VERNON ST	HARTFORD	CT
1704-214	TRINITY COLLEGE TRUSTEES OF	N/A	74 VERNON ST	HARTFORD	CT
1704-216	TRINITY COLLEGE TRUSTEES OF	N/A	76 VERNON ST	HARTFORD	CT
1704-218	TRINITY COLLEGE TRUSTEES OF	N/A	78 VERNON ST	HARTFORD	CT
1704-219	TRINITY COLLEGE TRUSTEES OF	N/A	79 VERNON ST	HARTFORD	CT
1704-221	TRINITY COLLEGE TRUSTEES OF	N/A	84 VERNON ST	HARTFORD	CT
1704-224	TRINITY COLLEGE TRUSTEES OF	N/A	86 VERNON ST	HARTFORD	CT
1704-225	COLT TRUST INC (THE)	N/A	81 VERNON ST	HARTFORD	CT
1704-227	TRINITY COLLEGE TRUSTEES OF	N/A	90 VERNON ST	HARTFORD	CT
1704-229	TAU ALPHA HOUSE CORP	N/A	94 VERNON ST	HARTFORD	CT
1704-231	THE ALPHA CHI ALUMNI ASSOCIATION	N/A	98 VERNON ST	HARTFORD	CT
1704-232	TRUSTEES OF TRINITY COLLEGE	N/A	100 VERNON ST	HARTFORD	CT
1704-233	TRINITY COLLEGE TRUSTEES OF	N/A	260 SUMMIT ST	HARTFORD	CT
1704-234	TRINITY COLLEGE TRUSTEES OF	N/A	104 VERNON ST	HARTFORD	CT
1704-235	TRINITY COLLEGE TRUSTEES OF	N/A	110 VERNON ST	HARTFORD	CT
1704-236	TRINITY COLLEGE TRUSTEES OF	N/A	114 VERNON ST	HARTFORD	CT
1704-238	TRINITY COLLEGE TRUSTEES OF	N/A	118 VERNON ST	HARTFORD	CT
1704-239	TRINITY COLLEGE TRUSTEES OF	N/A	108 VERNON ST	HARTFORD	CT
1704-240	PHI KAPPA CHAPTER OF THE ALPHA DELTA PHI FRATERNITY OF	N/A	122 VERNON ST	HARTFORD	CT

1704-241	TRINITY COLLEGE TRUSTEES OF	N/A	183 ALLEN PL	HARTFORD	CT
1704-243	TRINITY COLLEGE TRUSTEES OF	N/A	134 VERNON ST	HARTFORD	CT
1704-246	ST ANTHONY HALL FOUNDATION	N/A	340 SUMMIT ST	HARTFORD	CT
1704-255	CITY OF HARTFORD CEMETERY	N/A	520 ZION ST	HARTFORD	CT

INDEX MAP

Legend

- Existing Eversource Underground Route
- Proposed Eversource Underground Lines
- Vault
- 2-ft Contour Line
- 10-ft Contour Line
- Parcel Boundary
- Municipal Boundary

Base Map Source: 2023 NearMap Imagery

N

1 Inch = 200 feet

0 100 200 Feet

NO.	DATE	REVISIONS	BY	CHK	APP	APP

EVERSOURCE ENERGY

Hartford Underground Cable Modernization Project

Date: December 28, 2023 | Map Author: L.Burbank

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Hartford Underground Modernization Project
City of Hartford, Connecticut

AREA OF DESCRIPTION

Existing Land Use & Resource Areas

o Residential
o Commercial
o Place of Worship
o Municipal Government
o Medical

RIGHT-OF-WAY DESCRIPTION

Right-of-Way Land Use & Resource Areas

o Municipal Streets
o Maintained Lawn

Water Resources

o Wetland - None
o Watercourse - None
o Vernal Pool - None

Wetland and Watercourse Crossing

o None

Right-of-Way Vegetation

o Street Trees
o Maintained lawns

Access

o Retreat Avenue
o Wyllys Street
o Groton Street
o Stonington Avenue

Road Crossings

o Seymour Street
o Essex Avenue
o Maple Avenue
o Jefferson Street
o Main Street No. 2
o Main Street No. 3
o Congress Street
o Wethersfield Avenue
o Charter Oak Place
o Groton Street
o Lisbon Street
o Norwich Street
o Stonington Street

ABUTTERS TABLE

Abutters Number	Owner First Name	Owner Last Name	Parcel Address	Town	State
1704-031	CITY OF HARTFORD PARK DEPT	N/A	130 WETHERSFIELD AVE	HARTFORD	CT
1704-040	HOUSING AUTHORITY-CITY OF HFTD	N/A	94 STONINGTON ST	HARTFORD	CT
1704-042	MATTHEW	KLOS	61 NORWICH ST	HARTFORD	CT
1704-044	ANA E	DIAZ	80 STONINGTON ST	HARTFORD	CT
1704-047	KENNETH	GARCIA	72 STONINGTON ST	HARTFORD	CT
1704-051	DUTCH POINT RENTAL 1 LP	N/A	66 STONINGTON ST	HARTFORD	CT
1704-053	SARAH	FREEMAN	58 STONINGTON ST	HARTFORD	CT
1704-054	SOHODRA	DILCHAND	54 STONINGTON ST	HARTFORD	CT
1704-058	STRICKLAND & VASSELL LLC	N/A	50 STONINGTON ST	HARTFORD	CT
1704-062	46 STONINGTON LLC	N/A	46 STONINGTON ST	HARTFORD	CT
1704-063	CARMEN D	LUGO	42 STONINGTON ST	HARTFORD	CT
1704-065	SHELDON WYLLYS LLC	N/A	63 WYLLYS ST	HARTFORD	CT
1704-066	LEELAWATIE	ACOSTA	42 GROTON ST	HARTFORD	CT
1704-067	SOHODRA	DILCHAND	38 GROTON ST	HARTFORD	CT
1704-068	JONATHAN	ORTIZ	34 GROTON ST	HARTFORD	CT
1704-069	JUN S	ZHANG	30 GROTON ST	HARTFORD	CT
1704-070	MAXINE A	FORBES	38 STONINGTON ST	HARTFORD	CT
1704-071	RANDY	WAITHE	26 GROTON ST	HARTFORD	CT
1704-072	DIEGO	DESOUZA	22 GROTON ST	HARTFORD	CT
1704-073	JHONNY	HERRERA	18 GROTON ST	HARTFORD	CT
1704-074	FIFTEEN REALTY LLC	N/A	12 GROTON ST	HARTFORD	CT
1704-077	CITY OF HARTFORD PARK DEPT	N/A	51 WYLLYS ST	HARTFORD	CT
1704-078	CHURCH OF STS CYRIL & METHODIUS OF	N/A	35 GROTON ST	HARTFORD	CT
1704-079	ATLANTIC DEVELOPMENT & INVESTMENTS, INC.	N/A	1 CHARTER OAK PL	HARTFORD	CT
1704-080	CITY OF HARTFORD	N/A	47 WYLLYS ST	HARTFORD	CT
1704-083	PERKINS KIDS LLC	N/A	45 WYLLYS ST	HARTFORD	CT
1704-090	THEO INVESTMENTS LLC	N/A	60 MAIN ST	HARTFORD	CT
1704-092	ELECTRICAL POWER SOLUTIONS LLC	N/A	2 WETHERSFIELD AVE	HARTFORD	CT
1704-095	48 MAIN LLC	N/A	48 MAIN ST	HARTFORD	CT
1704-100	YDHM REALTY LLC	N/A	9 WYLLYS ST	HARTFORD	CT
1704-101	CITY OF HARTFORD PARK DEPT	N/A	96 MAIN ST	HARTFORD	CT
1704-105	2 CONGRESS LLC	N/A	2 CONGRESS ST	HARTFORD	CT
1704-109	WISE EQUITIES CONGRESS ST LLC	N/A	1 CONGRESS ST	HARTFORD	CT
1704-111	CONGRESS ST CONDOS	N/A	17 CONGRESS ST	HARTFORD	CT
1704-112	MIND EQUITIES LLC	N/A	19 MAIN ST	HARTFORD	CT
1704-113	WISE EQUITIES CONGRESS ST LLC	N/A	20 MAPLE AVE	HARTFORD	CT
1704-116	JEFFERSON ST CONDO	N/A	1 MAIN ST	HARTFORD	CT
1704-123	HARTFORD STEAM CO	N/A	19 JEFFERSON ST	HARTFORD	CT
1704-128	KYPREA LLC	N/A	53 MAPLE AVE	HARTFORD	CT
1704-130	DALFINO CHIROPRACTIC LLC	N/A	54 RETREAT AVE	HARTFORD	CT
1704-132	SIRLEI MARILENE HOLLAND	BRAGA	60 RETREAT AVE	HARTFORD	CT
1704-134	RETREAT 66 LLC	N/A	66 RETREAT AVE	HARTFORD	CT
1704-137	RETREAT 66 LLC	N/A	70 RETREAT AVE	HARTFORD	CT
1704-138	HARTFORD HOSPITAL	N/A	80 SEYMOUR ST	HARTFORD	CT
1704-139	HARTFORD ASSISTED LIVING LP	N/A	90 RETREAT AVE	HARTFORD	CT
1704-140	RETREAT MANAGEMENT LLC	N/A	100 RETREAT AVE LL4A	HARTFORD	CT
1704-142	H.H.M.O.B. CORPORATION	N/A	102 RETREAT AVE	HARTFORD	CT
1704-144	H.H.M.O.B. CORPORATION	N/A	120 RETREAT AVE	HARTFORD	CT

Existing Maintained Right-of-Way Width / Proposed Right-of-Way Clearing
o Municipal Streets

1704-145	HARTFORD HOSPITAL	N/A	123 RETREAT AVE	HARTFORD	CT
1704-147	HARTFORD HOSPITAL	N/A	136 RETREAT AVE	HARTFORD	CT
1704-154	HARTFORD HOSPITAL	N/A	140 RETREAT AVE	HARTFORD	CT
1704-155	HARTFORD HOSPITAL	N/A	149 RETREAT AVE	HARTFORD	CT
1704-157	HARTFORD HOSPITAL	N/A	151 RETREAT AVE	HARTFORD	CT
1704-158	HARTFORD HOSPITAL	N/A	155 RETREAT AVE	HARTFORD	CT
1704-160	HARTFORD HOSPITAL	N/A	9 SEYMOUR ST	HARTFORD	CT
1704-161	HARTFORD HOSPITAL	N/A	177 RETREAT AVE	HARTFORD	CT
1704-167	INSTITUTE OF LIVING	N/A	400 WASHINGTON ST	HARTFORD	CT

INDEX MAP

Legend

- Existing Eversource Underground Route
- Proposed Eversource Underground Lines
- Vault
- Permanent Easement
- 2-ft Contour Line
- 10-ft Contour Line
- Parcel Boundary
- Municipal Boundary

Base Map Source: 2023 NearMap Imagery

1 Inch = 200 feet

0 100 200 Feet

NO.	DATE	REVISIONS	BY	CHK	APP	APP

EVERSOURCE ENERGY

Hartford Underground Cable Modernization Project

Date: December 28, 2023 | Map Author: L.Burbank

Hartford, CT

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Mapsheet 9 of 10
Hartford Underground Modernization Project
City of Hartford, Connecticut

AREA OF DESCRIPTION

Existing Land Use & Resource Areas
o Residential
o Commercial
o Place of Worship
o Municipal Government
o Municipal Park
o State Government

RIGHT-OF-WAY DESCRIPTION

Right-of-Way Land Use & Resource Areas
o Municipal Streets
o Maintained Lawn
o Municipal Park

Water Resources
o Wetland - None
o Watercourse - None
o Vernal Pool - None

Wetland and Watercourse Crossing
o None

Right-of-Way Vegetation
o Street Trees
o Maintained Lawn
o Maintained Park Landscaping

Access
o Luis Ayala Lane
o Van Block Avenue
o Wyllys Street
o Hendricxsen Avenue
o Stonington Street
o Masseek Street

Road Crossings
o Hendricxsen Avenue
o Stonington Street
o Wyllys Street
o Norwich Street
o Lisbon Street
o Groton Street
o Luis Ayala Lane
o Patsie Williams Way

ABUTTERS TABLE

Abutters Number	Owner First Name	Owner Last Name	Parcel Address	Town	State
1704-015	DILLON PLACE ASSOC LP	N/A	54 HENDRICXSEN AVE	HARTFORD	CT
1704-019	COLTSVILLE PROPERTIES LLC	N/A	65 HENDRICXSEN AVE	HARTFORD	CT
1704-021	COLTSVILLE PROPERTIES LLC	N/A	45 CURCOMBE ST	HARTFORD	CT
1704-027	CITY OF HARTFORD	N/A	260 HUYSHOPE AVE	HARTFORD	CT
1704-028	CITY OF HARTFORD BOARD OF EDUC	N/A	65 VAN BLOCK AVE	HARTFORD	CT
1704-029	STONINGTON ACRES LLC	N/A	134 STONINGTON ST	HARTFORD	CT
1704-031	CITY OF HARTFORD PARK DEPT	N/A	130 WETHERSFIELD AVE	HARTFORD	CT
1704-034	HOUSING AUTHORITY-CITY OF HFTD	N/A	122 STONINGTON ST	HARTFORD	CT
1704-035	HOUSING AUTHORITY-CITY OF HFTD	N/A	110 STONINGTON ST	HARTFORD	CT
1704-038	HOUSING AUTHORITY-CITY OF HFTD	N/A	100 STONINGTON ST	HARTFORD	CT
1704-040	HOUSING AUTHORITY-CITY OF HFTD	N/A	94 STONINGTON ST	HARTFORD	CT
1704-042	MATTHEW	KLOS	61 NORWICH ST	HARTFORD	CT
1704-044	ANA E	DIAZ	80 STONINGTON ST	HARTFORD	CT
1704-047	KENNETH	GARCIA	72 STONINGTON ST	HARTFORD	CT
1704-051	DUTCH POINT RENTAL 1 LP	N/A	66 STONINGTON ST	HARTFORD	CT
1704-053	SARAH	FREEMAN	58 STONINGTON ST	HARTFORD	CT
1704-054	SOHODRA	DILCHAND	54 STONINGTON ST	HARTFORD	CT
1704-058	STRICKLAND & VASSELL LLC	N/A	50 STONINGTON ST	HARTFORD	CT
1704-062	46 STONINGTON LLC	N/A	46 STONINGTON ST	HARTFORD	CT
1704-063	CARMEN D	LUGO	42 STONINGTON ST	HARTFORD	CT
1704-065	SHELDON WYLLYS LLC	N/A	63 WYLLYS ST	HARTFORD	CT
1704-066	LEELAWATIE	ACOSTA	42 GROTON ST	HARTFORD	CT
1704-067	SOHODRA	DILCHAND	38 GROTON ST	HARTFORD	CT
1704-068	JONATHAN	ORTIZ	34 GROTON ST	HARTFORD	CT
1704-069	JUN S	ZHANG	30 GROTON ST	HARTFORD	CT
1704-070	MAXINE A	FORBES	38 STONINGTON ST	HARTFORD	CT
1704-071	RANDY	WAITHE	26 GROTON ST	HARTFORD	CT
1704-072	DIEGO	DESOUZA	22 GROTON ST	HARTFORD	CT
1704-078	CHURCH OF STS CYRIL & METHODIUS OF	N/A	35 GROTON ST	HARTFORD	CT
070-039	HOUSING AUTHORITY-CITY OF HFTD	N/A	94 STONINGTON ST	HARTFORD	CT
070-044	MATTHEW	KLOS	61 NORWICH ST	HARTFORD	CT
070-045	ANA E	DIAZ	80 STONINGTON ST	HARTFORD	CT
070-046	KENNETH	GARCIA	72 STONINGTON ST	HARTFORD	CT
070-047	DUTCH POINT RENTAL 1 LP	N/A	66 STONINGTON ST	HARTFORD	CT
070-055	SARAH	FREEMAN	58 STONINGTON ST	HARTFORD	CT
070-056	SOHODRA	DILCHAND	54 STONINGTON ST	HARTFORD	CT
070-057	JAIRAM	PARMANAND	50 STONINGTON ST	HARTFORD	CT
070-058	46 STONINGTON LLC	N/A	46 STONINGTON ST	HARTFORD	CT
070-059	CARMEN	LUGO	42 STONINGTON ST	HARTFORD	CT
070-060	MAXINE A	FORBES	38 STONINGTON ST	HARTFORD	CT
070-067	SHELDON WYLLYS LLC	N/A	63 WYLLYS ST	HARTFORD	CT
070-068	LEELAWATIE	ACOSTA	42 GROTON ST	HARTFORD	CT
070-069	SOHODRA	DILCHAND	38 GROTON ST	HARTFORD	CT
070-070	JUDE T	SYLVESTER	34 GROTON ST	HARTFORD	CT
070-071	JUN S	ZHANG	30 GROTON ST	HARTFORD	CT
070-072	RANDY	WAITHE	26 GROTON ST	HARTFORD	CT
070-073	DIEGO	DESOUZA	22 GROTON ST	HARTFORD	CT
070-077	CHURCH OF STS CYRIL & METHODIUS OF	N/A	35 GROTON ST	HARTFORD	CT

o Osten Boulevard
o Van Block Avenue
o Masseek Street
o Sequassen Street
o Weehasset Street
o Curcombe Street

Existing Maintained Right-of-Way Width / Proposed Right-of-Way Clearing
o Municipal Streets

INDEX MAP

Legend

- Existing Eversource Underground Route
- Proposed Eversource Underground Lines
- Vault
- Permanent Easement
- 2-ft Contour Line
- 10-ft Contour Line
- Parcel Boundary
- Municipal Boundary

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1 Inch = 200 feet

0 100 200 Feet

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EVERSOURCE ENERGY

Hartford Underground Cable Modernization Project

Date: December 28, 2023 | Map Author: L.Burbank

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Mapsheet 10 of 10
Hartford Underground Modernization Project
City of Hartford, Connecticut

AREA OF DESCRIPTION
Existing Land Use & Resource Areas
o Residential
o Commercial
o Municipal Government
o Municipal Park
o State Government
o 100-Year Flood Zone, Connecticut River
o 500-Year Flood Zone, Connecticut River

RIGHT-OF-WAY DESCRIPTION
Right-of-Way Land Use & Resource Areas
o Municipal Streets
o Maintained Lawn
o Municipal Park

Water Resources
o Wetland - None
o Watercourse - Connecticut River
o Vernal Pool - None

Wetland and Watercourse Crossing
o None

Right-of-Way Vegetation
o Street Trees
o Maintained Lawn
o Maintained Park Landscaping

Access
o Hendricxsen Avenue
o Wararme Avenue
o Reserve Road

Road Crossings
o Hendricxsen Avenue
o Wararme Avenue
o Reserve Road
o Curcombe Street
o Huyshope Avenue
o Van Dyke Avenue
o Interstate 91
o State Route 5/Town Route 15

Existing Maintained Right-of-Way Width / Proposed Right-of-Way Clearing
o Municipal Streets

ABUTTERS TABLE

Abutters Number	Owner First Name	Owner Last Name	Parcel Address	Town	State
023-001	MATERIALS INNOVATION AND RECYCLING AUTHORITY	N/A	300 MAXIM RD	HARTFORD	CT
023-002	MATERIALS INNOVATION AND RECYCLING AUTHORITY	N/A	100 RESERVE RD	HARTFORD	CT
023-003	CITY OF HARTFORD PUBLIC WORKS	N/A	80 RESERVE RD	HARTFORD	CT
1704-001	CITY OF HARTFORD PUBLIC WORKS	N/A	65 RESERVE RD	HARTFORD	CT
1704-003	CONDEL LLC	N/A	247 WAWARME AVE	HARTFORD	CT
1704-004	CONDEL LLC	N/A	249 WAWARME AVE	HARTFORD	CT
1704-005	STATE OF CONN	N/A	15 RESERVE RD	HARTFORD	CT
1704-006	GDP ENTERPRISES LLC	N/A	309 WAWARME AVE	HARTFORD	CT
1704-007	G D P ENTERPRISES LLC	N/A	138 WAWARME AVE	HARTFORD	CT
1704-010	CITY OF HARTFORD	N/A	290 HUYSHOPE AVE	HARTFORD	CT
1704-011	295 HUYSHOPE AVENUE LLC	N/A	295 HUYSHOPE AVE	HARTFORD	CT
1704-014	JUPITER PROPERTY MANAGEMENT LLC	N/A	85 HENDRICXSEN AVE	HARTFORD	CT
1704-015	DILLON PLACE ASSOC LP	N/A	54 HENDRICXSEN AVE	HARTFORD	CT
1704-018	COLTSVILLE PROPERTIES LLC	N/A	73 HENDRICXSEN AVE	HARTFORD	CT
1704-019	COLTSVILLE PROPERTIES LLC	N/A	65 HENDRICXSEN AVE	HARTFORD	CT
1704-021	COLTSVILLE PROPERTIES LLC	N/A	45 CURCOMBE ST	HARTFORD	CT
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- Proposed Eversource Underground Lines
- Sending/Receiving Pit
- Vault
- 2-ft Contour Line
- 10-ft Contour Line
- Parcel Boundary
- Municipal Boundary

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1 Inch = 200 feet

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EVERSOURCE ENERGY

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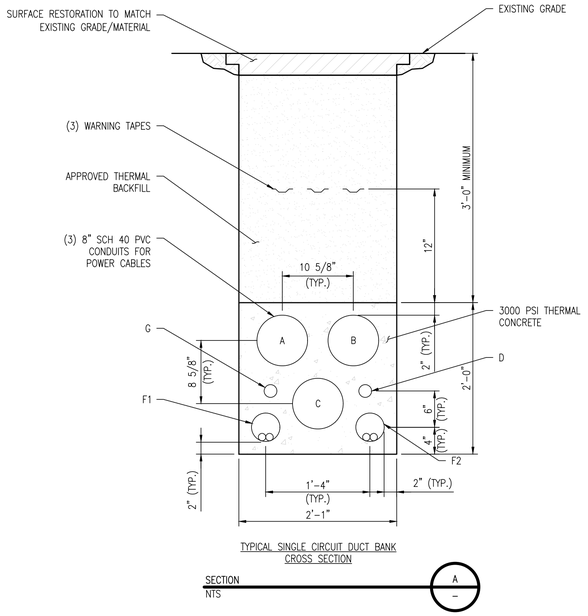
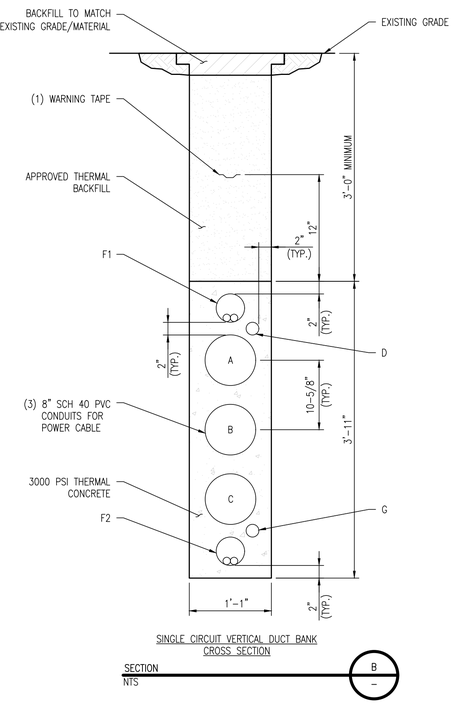
ATTACHMENT 2:

TYPICAL DUCT BANK AND CASING CROSS-SECTIONS



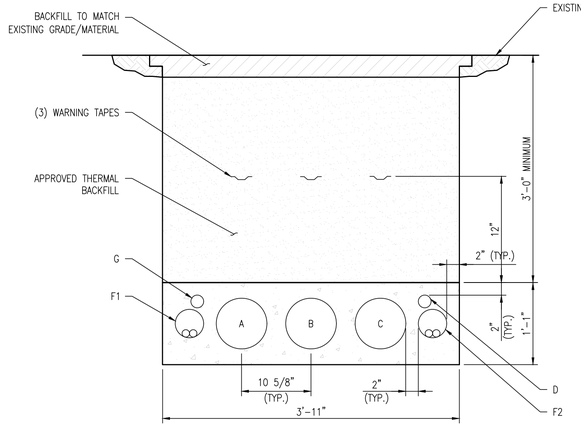
TYPICAL SINGLE CIRCUIT DUCT BANK
CROSS SECTION

SECTION A
NTS



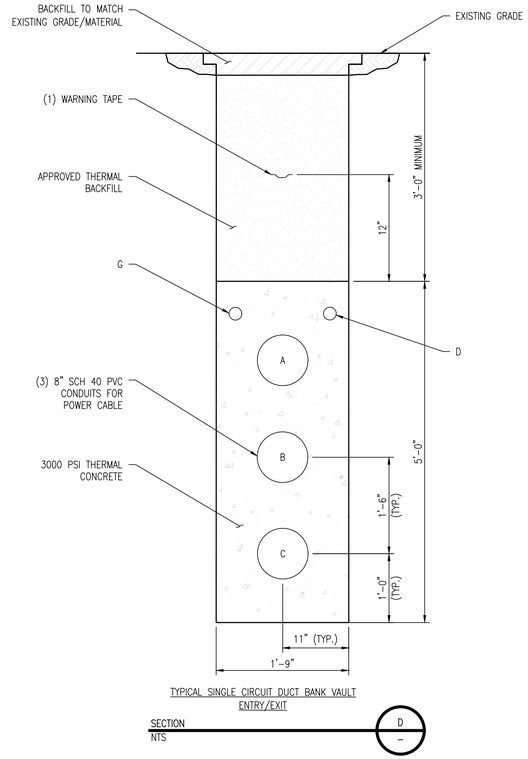
SINGLE CIRCUIT VERTICAL DUCT BANK
CROSS SECTION

SECTION B
NTS



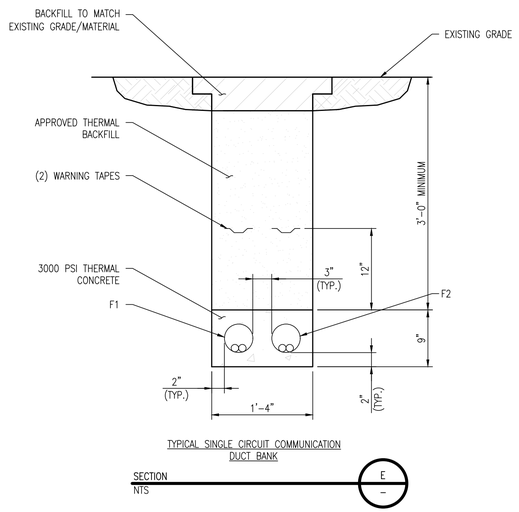
SINGLE CIRCUIT HORIZONTAL DUCT BANK
CROSS SECTION

SECTION C
NTS



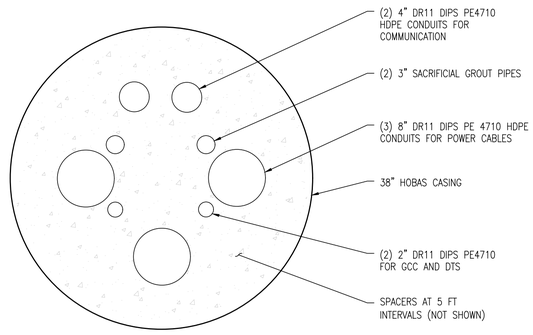
TYPICAL SINGLE CIRCUIT DUCT BANK VAULT
ENTRY/EXIT

SECTION D
NTS



TYPICAL SINGLE CIRCUIT COMMUNICATION
DUCT BANK

SECTION E
NTS



TYPICAL TRENCHLESS INSTALLATION
CROSS SECTION

SECTION F
NTS

CONDUIT IDENTIFICATION TABLE

CONDUIT	MATERIAL	SIZE	USE
A	SCH 40 PVC	8"	1704 LINE "A" PHASE
B	SCH 40 PVC	8"	1704 LINE "B" PHASE
C	SCH 40 PVC	8"	1704 LINE "C" PHASE
G	SCH 40 PVC	2"	1704 LINE GCC
F1	SCH 40 PVC	4"	1704 LINE FIBER COMMUNICATION
F2	SCH 40 PVC	4"	1704 LINE FIBER COMMUNICATION
D	SCH 40 PVC	2"	1704 LINE DISTRIBUTED TEMPERATURE SENSING

NOTES:

1. DIMENSIONAL ROUNDING, OUTSIDE DIMENSIONS ROUNDED UP TO THE NEAREST INCH.
2. DUCT BANK MINIMUM OF COVER SHALL BE 3'-0". UNLESS OTHERWISE APPROVED IN WRITING.
3. CONTRACTOR SHALL INSTALL TWO (2) 1.25" PVC INNERDUCTS SDR 11 IN EACH 4" CONDUIT F1 AND F2 WITH PULL LINES.

PRELIMINARY – NOT FOR CONSTRUCTION

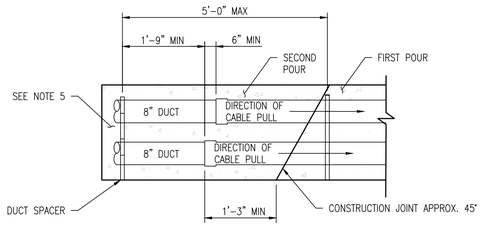
NO.	DATE	AS BUILT REVISIONS	BY	CHK	APP	APP
B	05/31/23	ISSUED FOR PRELIMINARY DESIGN	YCC	MJD	KMR	–
A	11/18/22	ISSUED FOR SITING REVIEW	JAL	MJD	KMR	–

REVISIONS DURING CONSTRUCTION

EVERSOURCE ENERGY

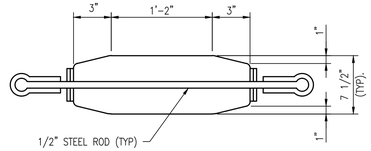
TITLE: 1704 UG CABLE MODERNIZATION PROGRAM
115-kV TRANSMISSION LINE
TYPICAL SECTION DETAILS
HARTFORD, CONNECTICUT

BY JAL (BMcD)	CHKD MJD (BMcD)	APP KMR (BMcD)	APP –
DATE 11/18/22	DATE 11/18/22	DATE 11/18/22	DATE –
H-SCALE N.T.S.	SIZE ANSI D	FIELD BOOK & PAGES	
V-SCALE N.T.S.	V.S.	R.E. DWG	
R.E. PROJ. NUMBER		DWG NO. 01107-48001	



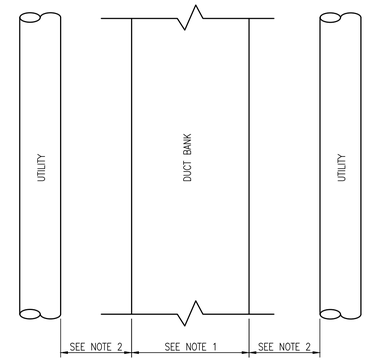
CONSTRUCTION JOINT DETAIL

DETAIL 1 / NTS –



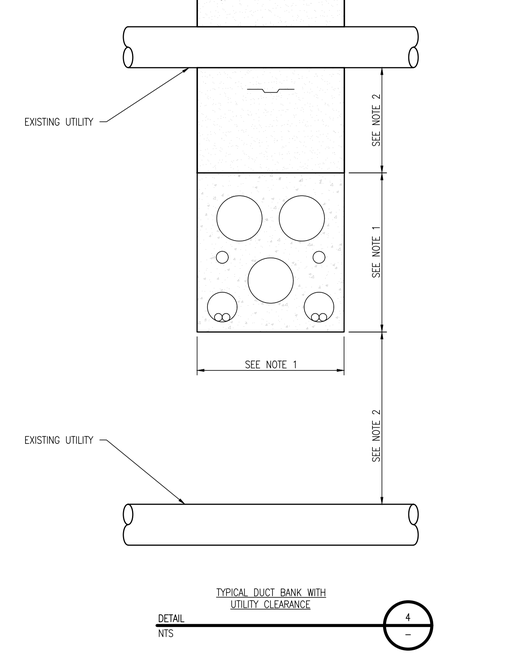
TYPICAL MANDREL DETAIL

DETAIL 2 / NTS –



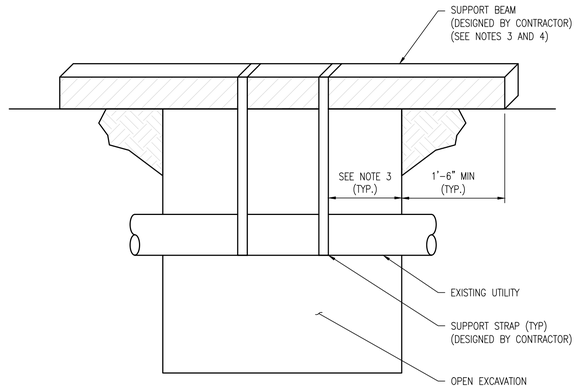
TYPICAL HORIZONTAL UTILITY CLEARANCE DETAIL

DETAIL 3 / NTS –



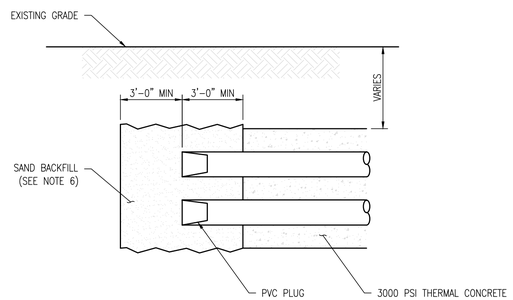
TYPICAL DUCT BANK WITH UTILITY CLEARANCE

DETAIL 4 / NTS –



TYPICAL PIPE SUPPORT ACROSS OPEN EXCAVATION

DETAIL 5 / NTS –



TYPICAL DUCT BANK CONSTRUCTION TERMINATION

DETAIL 6 / NTS –

NOTES:

1. SEE DRAWING 48001 FOR DUCT BANK ARRANGEMENT.
2. 2'–0" MIN. CLEARANCE MAINTAINED UNLESS OTHERWISE NOTED ON PLAN AND PROFILE.
3. 2'–0" MAX SPAN, OR DIRECTED BY THE UTILITY, WHICHEVER IS LESS.
4. CONTRACTOR SHALL SUBMIT METHOD OF SUPPORT TO RESPECTIVE UTILITY OWNERS FOR APPROVAL PRIOR TO CONSTRUCTION.
5. NON–POWER CONDUITS NOT SHOWN FOR CLARITY.
6. PROVIDE A MINIMUM OF 3'–0" OF SAND AROUND ALL SIDES OF CONDUIT.

PRELIMINARY – NOT FOR CONSTRUCTION

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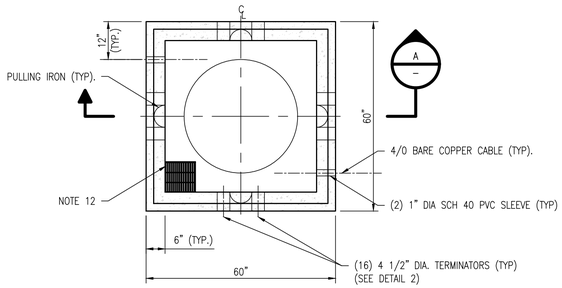
B	05/31/23	ISSUED FOR PRELIMINARY DESIGN	YCC	MJD	KMR	–
A	11/18/22	ISSUED FOR SITING REVIEW	JAL	MJD	KMR	–

REVISIONS DURING CONSTRUCTION

EVERSOURCE ENERGY

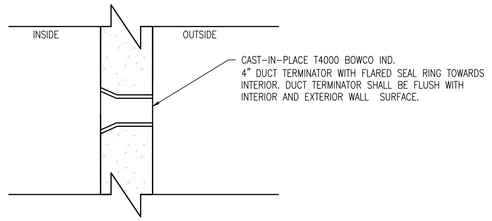
TITLE: 1704 UG CABLE MODERNIZATION PROGRAM
115–kV TRANSMISSION LINE
TYPICAL DUCT BANK DETAILS
HARTFORD, CONNECTICUT

BY JAL (BMcD)	CHKD MJD (BMcD)	APP KMR (BMcD)	APP –
DATE 11/18/22	DATE 11/18/22	DATE 11/18/22	DATE –
H–SCALE N.T.S.	SIZE ANSI D	FIELD BOOK & PAGES	
V–SCALE N.T.S.	V.S.	R.E. DWG	
R.E. PROJ. NUMBER		DWG NO.	01107-48002



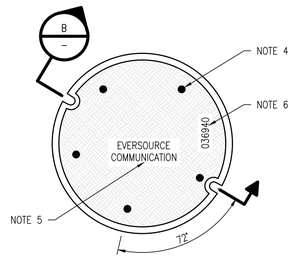
HANDHOLE PLAN VIEW

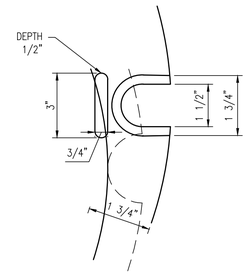
DETAIL NTS — 1



4" DUCT TERMINATOR DETAIL

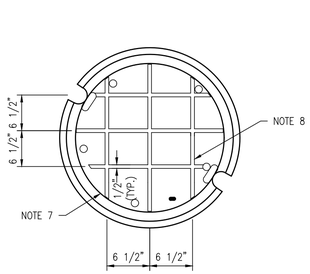
DETAIL NTS — 2





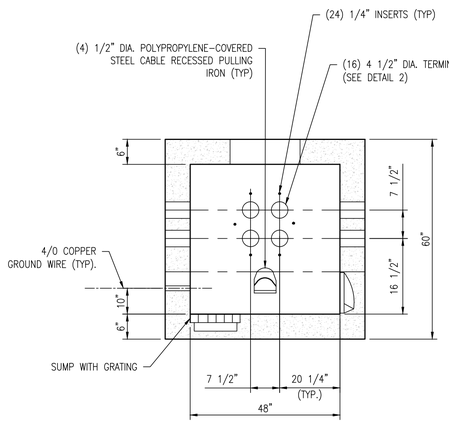
PICK HOLE AND LIFTING NOTCH DETAIL

DETAIL NTS — 3



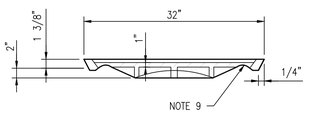
HANDHOLE COVER PLAN VIEW

DETAIL NTS — 4



HANDHOLE SECTION VIEW

SECTION NTS — A



HANDHOLE COVER SECTION VIEW

SECTION NTS — B

NOTES:

1. THE GRAY CAST IRON SHALL CONFORM TO THE LATEST EDITION OF ASTM A48-1983 CLASS 30-B.
2. DESIGN LOADING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF AASHTO HS25.
3. BEARING SURFACES OF COVER SHALL BE MACHINE FINISHED WITH TOLERANCE OF 1/16 INCH +0 INCHES.
4. THREE 1 1/4 INCH DIAMETER HOLES AND TWO NON-ADJACENT 3/4 INCH DIAMETER HOLES, 5 INCHES FROM EDGE AND 72 DEGREES APART.
5. "EVERSOURCE COMMUNICATION" LETTERS 2 1/2 INCHES HIGH.
6. EVERSOURCE ITEM NUMBER SHALL BE CAST IN COVER BETWEEN PICK HOLES, 32 INCH ITEM # 604883.
7. FOUNDRY NAME OR INSIGNIA AND DATE (YEAR WHEN MANUFACTURED) SHALL BE CAST IN THE UNDERSIDE OF COVER.
8. RIBS TO BE TAPERED FROM 1/2 INCH TO 3/4 INCH.
9. LIFTING NOTCH ADJACENT TO EACH PICK HOLE.
10. THE 32 INCH COVER FITS INTO THE 30 INCH FRAME. WEIGHT OF 32 INCH COVER APPROXIMATELY 235 POUNDS.
11. CONTRACTOR TO PROVIDE APPROPRIATE REDUCERS FOR CONNECTION TO COMMUNICATION CONDUIT.
12. SUMP GRATE:
    A. 13" SQUARE X 4" DEEP SUMP WITH INSTALLED HEAVY-DUTY NON METALLIC GRATING.
    B. SUMP GRATE SHALL BE 13" X 13" X 1", FABRICATED OF POLYPROPYLENE AND SHALL BE DESIGNED TO SUPPORT THE WEIGHT OF 500LBS. WITHOUT DEFORMING. SUMP GRATE SALL HAVE A HIGHER SPECIFIC GRAVITY THAN WATER.
    C. SUMP GRATE SHALL BE SIMILAR TO POLYLOK SUMP GRATE, PART NUMBER 3037 OR APPROVAL EQUAL.

PRELIMINARY – NOT FOR CONSTRUCTION

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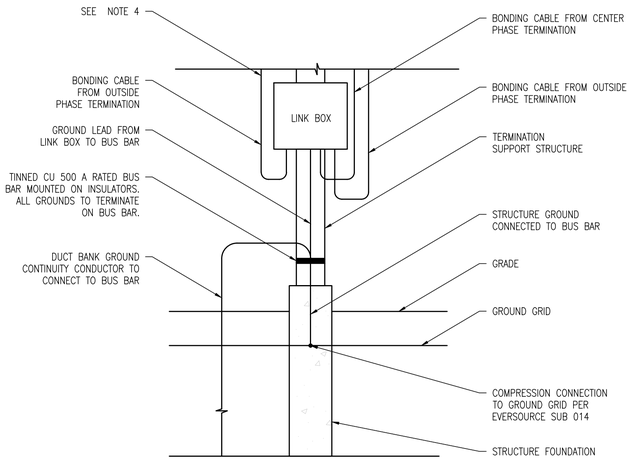
A	11/18/22	ISSUED FOR SITING REVIEW	JAL	MJD	KMR	–

REVISIONS DURING CONSTRUCTION

EVERSOURCE ENERGY

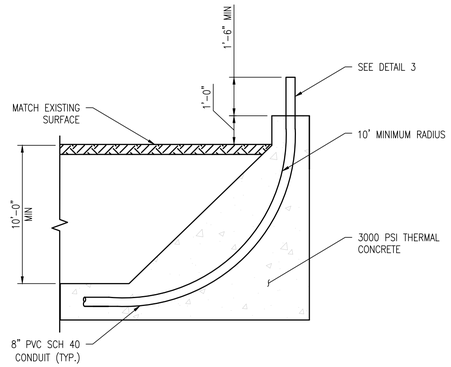
TITLE: 1704 UG CABLE MODERNIZATION PROGRAM
115-kV TRANSMISSION LINE
TYPICAL HANDHOLE DETAILS
HARTFORD, CONNECTICUT

BY JAL (BMcD)	CHKD MJD (BMcD)	APP KMR (BMcD)	APP –
DATE 11/18/22	DATE 11/18/22	DATE 11/18/22	DATE –
H-SCALE N.T.S.	SIZE ANSI D	FIELD BOOK & PAGES	
V-SCALE N.T.S.	V.S.	R.E. DWG	
R.E. PROJ. NUMBER		DWG NO. 01107-48003	



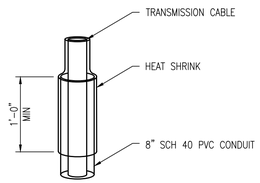
LINK BOX WIRING DIAGRAM

DETAIL 1 – NTS



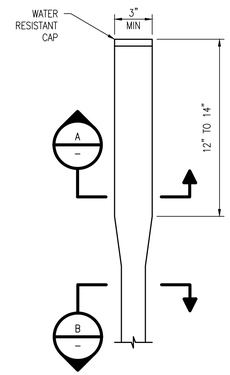
SUBSTATION TERMINATION CONDUIT SWEEP

DETAIL 2 – NTS



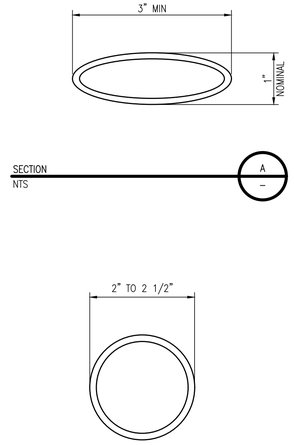
CONDUIT HEAT SHRINK DETAIL

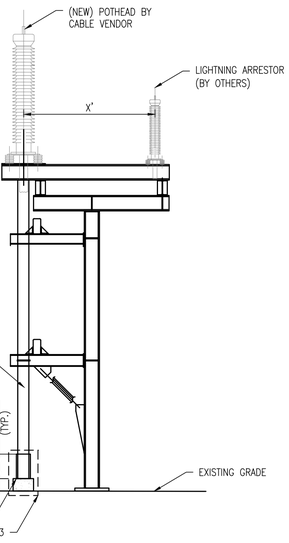
DETAIL 3 – NTS



TYPICAL MARKER POST

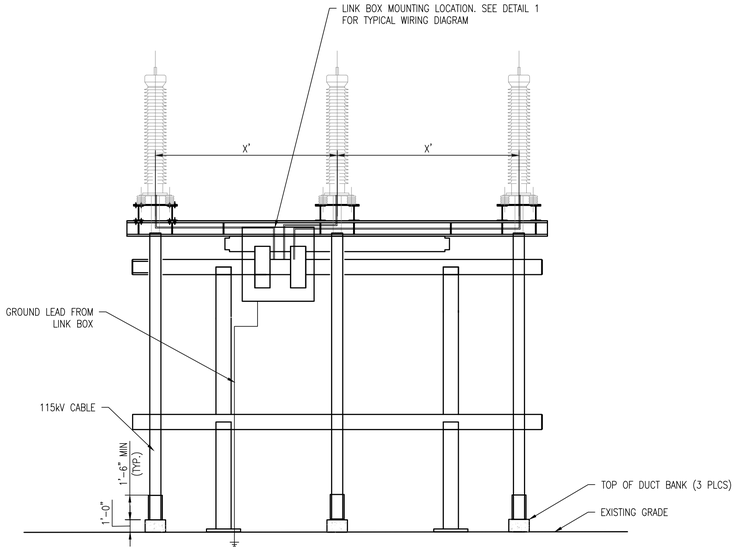
DETAIL 4 – NTS





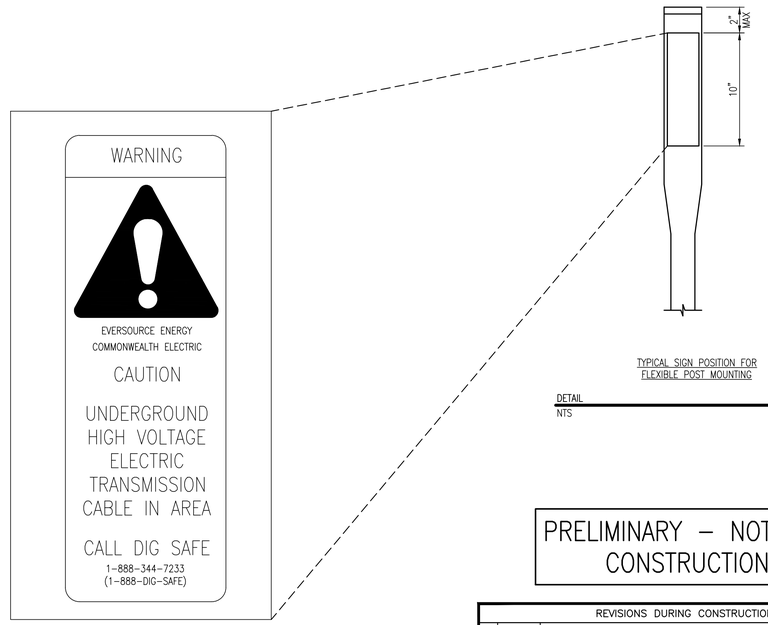
115-kV AIS SUBSTATION TERMINATION SIDE VIEW

ELEVATION 1 – NTS



115-kV AIS SUBSTATION TERMINATION FRONT VIEW

ELEVATION 2 – NTS



TYPICAL SIGN POSITION FOR FLEXIBLE POST MOUNTING

DETAIL 5 – NTS

NOTES:

1. ALL GROUND CABLES SHALL BE CLIPPED EVERY 18" ON SS TERMINATION STRUCTURE. ALL SHEATH CABLES AND GROUND CONNECTIONS SHALL BE ROUTED TO MINIMIZE POSSIBILITY OF PHYSICAL DAMAGE.
2. CABLE CLAMP SPACING AND DESIGN BY CABLE MANUFACTURER AND COORDINATED WITH STEEL MANUFACTURER.
3. ALL DIMENSIONS DENOTED WITH AN "X" WILL BE FINALIZED DURING A LATER STAGE OF DESIGN.
4. CABLE ACCESSORIES CONTRACTOR SHALL PROVIDE ALL MATERIAL TO COMPLETE CABLE AND CABLE BONDING INSTALLATION.

PRELIMINARY – NOT FOR CONSTRUCTION

REVISIONS DURING CONSTRUCTION					

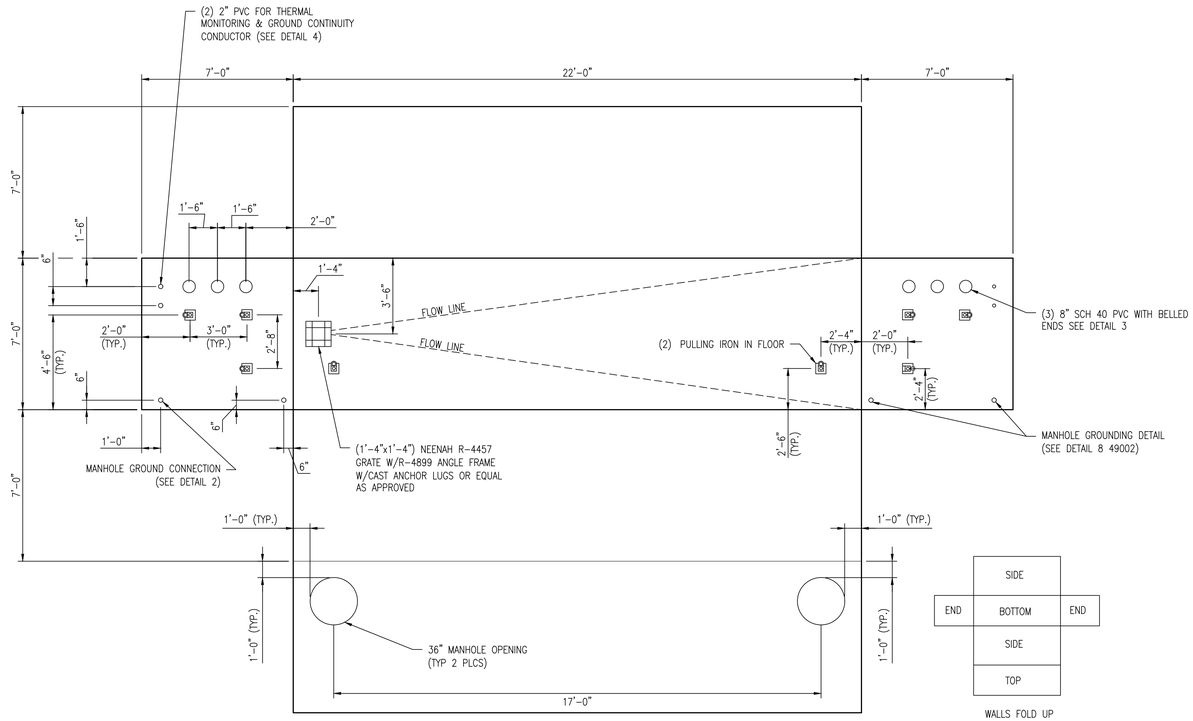
NO.	DATE	AS BUILT REVISIONS	BY	CHK	APP	APP
B	05/31/23	ISSUED FOR PRELIMINARY DESIGN	YCC	MJD	KMR	–
A	11/18/22	ISSUED FOR SITING REVIEW	JAL	MJD	KMR	–

EVERSOURCE ENERGY

TITLE: 1704 UG CABLE MODERNIZATION PROGRAM
115-kV TRANSMISSION LINE
TYPICAL TERMINATION DETAILS
HARTFORD, CONNECTICUT

BY	JAL (BMcD)	CHKD	MJD (BMcD)	APP	KMR (BMcD)	APP	–
DATE	11/18/22	DATE	11/18/22	DATE	11/18/22	DATE	–
H-SCALE	N.T.S.	SIZE	ANSI D	FIELD BOOK & PAGES			
V-SCALE	N.T.S.	V.S.		R.E. DWG			
R.E. PROJ. NUMBER				DWG NO.	01107-48004		

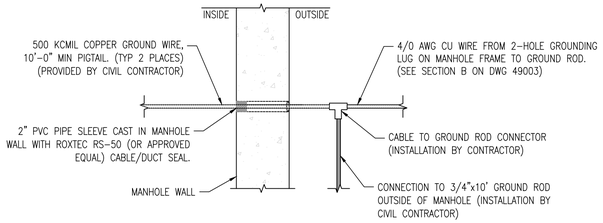
ES VER. 05/2015



TYPICAL 115-KV XLPE SPLICE VAULT DEVELOPMENT PLAN

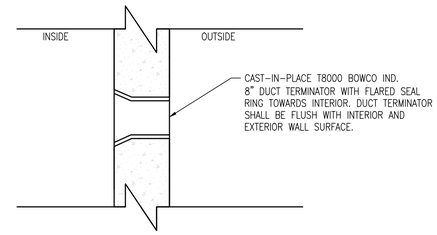
DETAIL 1 –
NTS

WALLS FOLD UP



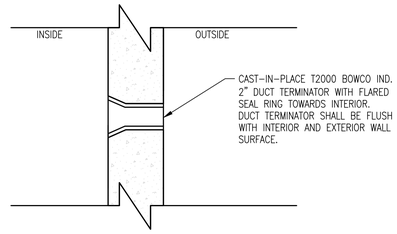
TYPICAL MANHOLE GROUNDING CONNECTION

DETAIL 2 –
NTS



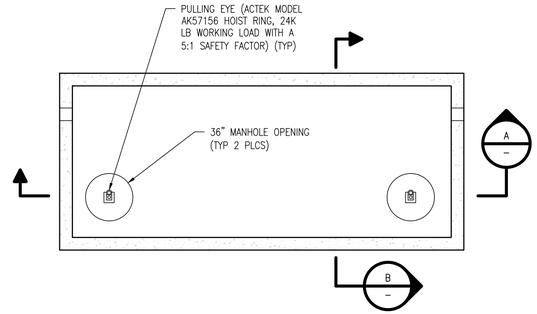
8" DUCT TERMINATOR DETAIL

DETAIL 3 –
NTS



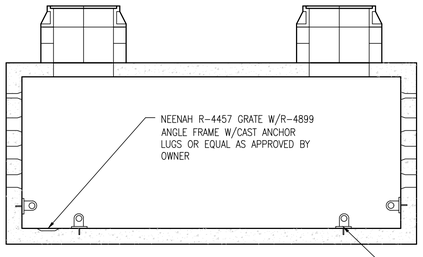
2" DUCT TERMINATOR DETAIL

DETAIL 4 –
NTS



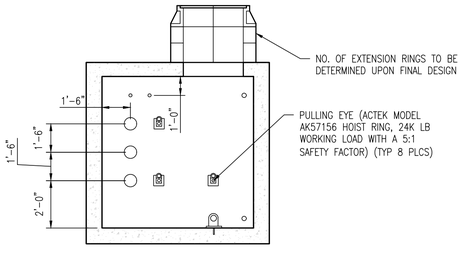
SPLICE VAULT PLAN VIEW

DETAIL 5 –
NTS



ELEVATION VIEW

SECTION A –
NTS



SIDE ELEVATION VIEW

SECTION B –
NTS

DESIGN CRITERIA NOTES:

1. MINIMUM DEPTH OF COVER, AS MEASURED AT ANY POINT OF THE BURIED SPLICE VAULT, SHALL BE DESIGNED TO A MINIMUM OF 3'-0" AND A MAXIMUM OF 15'-0".
2. MINIMUM DESIGN LOAD RATING TO AASHTO HS-25.
3. ASSUMED WATER TABLE DEPTH 3'-0" BELOW GRADE.
4. CABLE RACKING SHALL BE PROVIDED BY CABLE INSTALLER.
5. REBAR WITHIN SPLICE CHAMBER WALLS SHALL NOT FORM A CLOSED LOOP AROUND ANY 8" CONDUIT OPENING.
6. VAULT DIMENSIONS SHOWN ARE INSIDE DIMENSIONS.
7. ALL PULLING EYES SHALL BE DESIGNED FOR MULTIDIRECTIONAL CABLE PULLS.
8. ALL CONDUIT SIZES ARE NOMINAL.

PRELIMINARY – NOT FOR CONSTRUCTION

REVISIONS DURING CONSTRUCTION

NO.	DATE	AS BUILT REVISIONS	BY	CHK	APP	APP
B	05/31/23	ISSUED FOR PRELIMINARY DESIGN	YCC	MJD	KMR	–
A	10/19/22	ISSUED FOR SITING REVIEW	JAL	MJD	KMR	–

EVERSOURCE ENERGY

TITLE
1704 UG CABLE MODERNIZATION PROGRAM
115-kV TRANSMISSION LINE
TYPICAL SPLICE VAULT DETAILS 1 OF 3
STAMFORD, CONNECTICUT

BY JAL (BMcD)	CHKD MJD (BMcD)	APP (BMcD)	APP
DATE 11/18/22	DATE 11/18/22	DATE 11/18/22	DATE
H-SCALE N.T.S.	SIZE ANSI D	FIELD BOOK & PAGES	
V-SCALE N.T.S.	V.S.	R.E. DWG	
R.E. PROJ. NUMBER		DWG NO.	01107-49001

5/31/2023 1:43 PM – dcarroca – Z:\Clients\TND\NUSC\144531_1704and1722UG\Design\Underground\CADD\Working\1704_Typical Sections And Details.dwg – 49001

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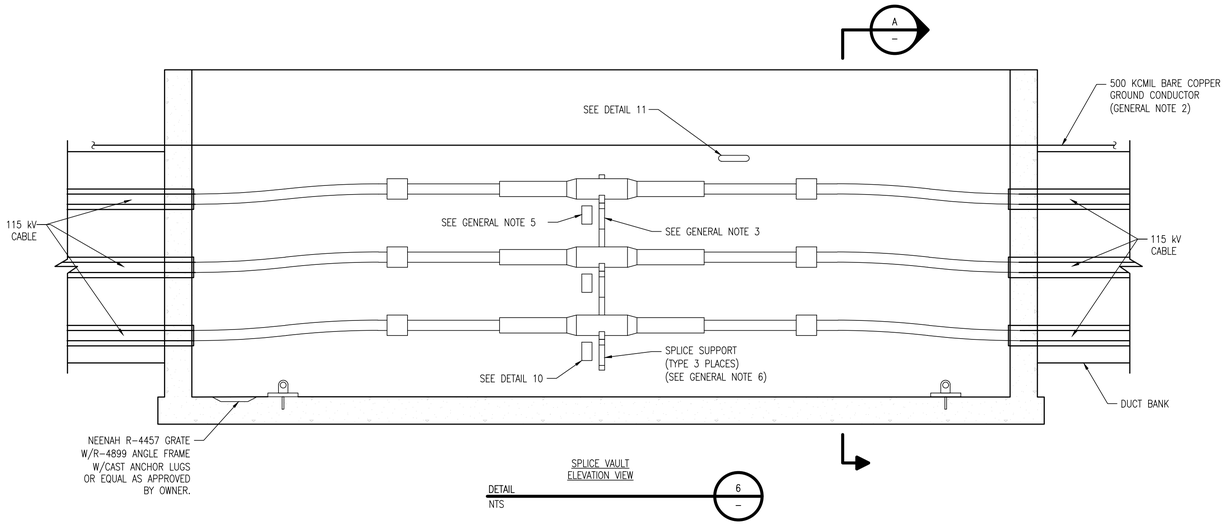
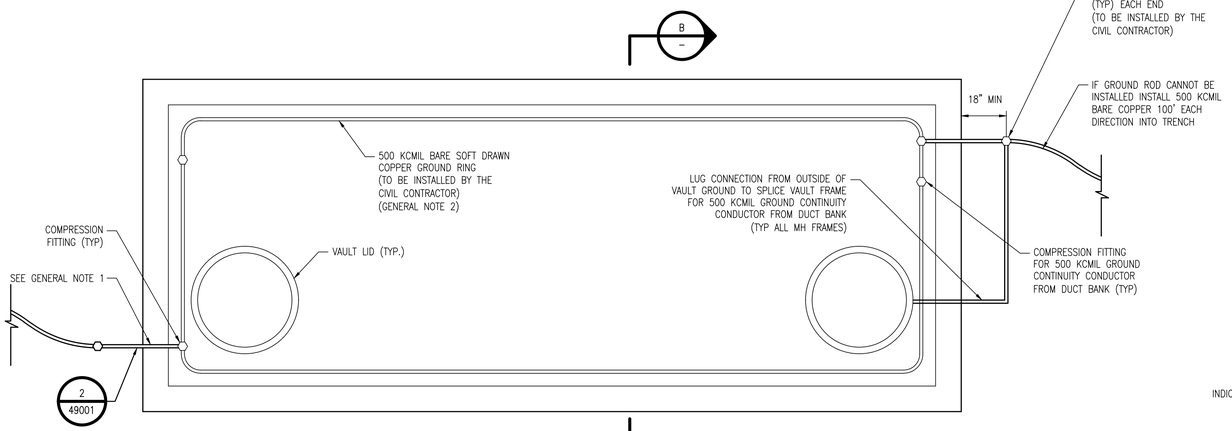


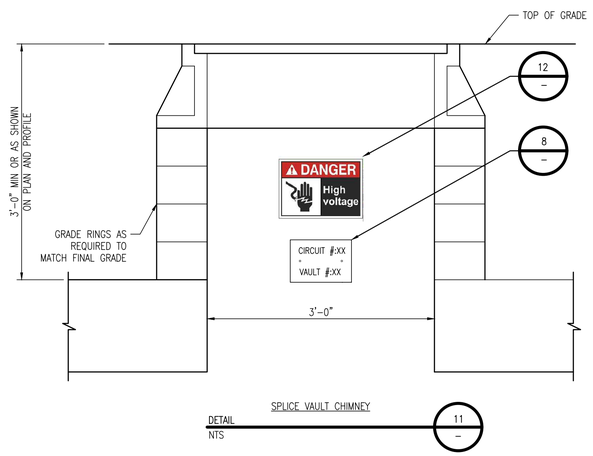
SPLICE VAULT ELEVATION VIEW

DETAIL NTS 6



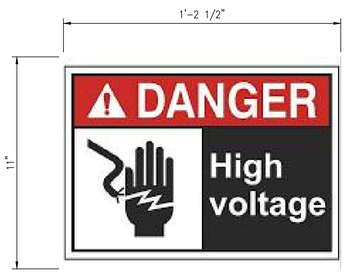
VAULT GROUNDING DETAIL PLAN VIEW

DETAIL NTS 7



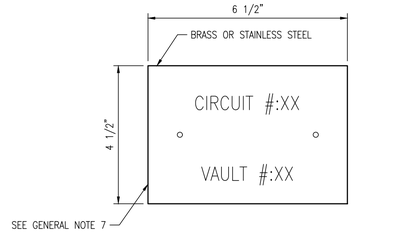
SPLICE VAULT CHIMNEY

DETAIL NTS 11



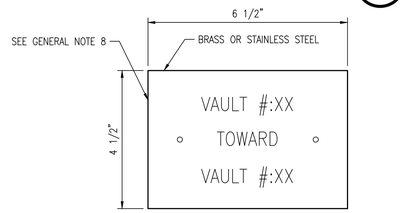
DANGER WARNING SIGN

DETAIL NTS 12



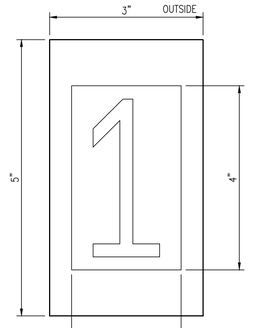
CIRCUIT IDENTIFICATION TAG

DETAIL NTS 8



TOWARD SIGN

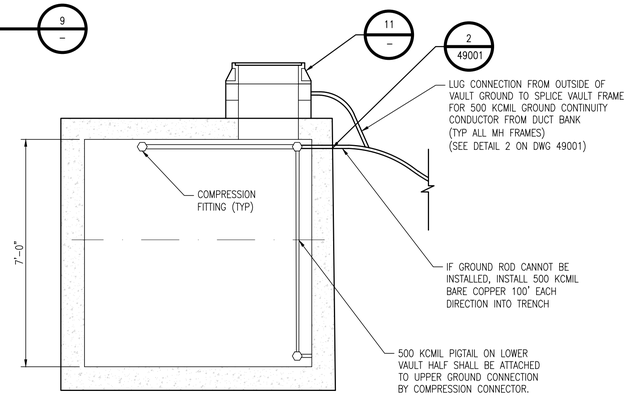
DETAIL NTS 9



DETAIL NTS 10

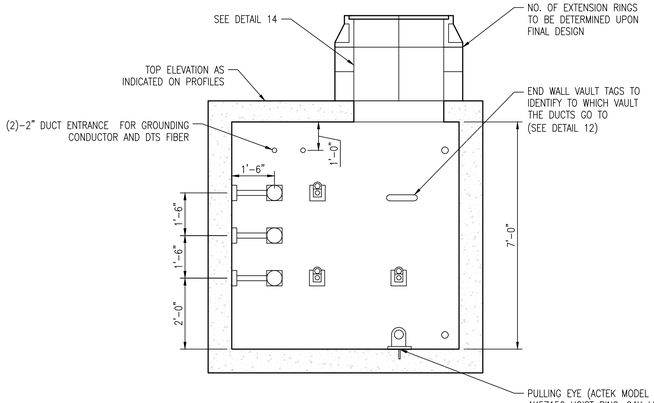
NOTES:

1. CHARACTER SHALL BE 4" HIGH BOLD TYPE.
2. CHARACTER SHALL BE CENTERED ON SIGN.
3. – BACKGROUND: WHITE
   – LETTERING: BLACK
   – CHARACTERS: 1, 2, & 3 AS SHOWN.



SIDE ELEVATION VIEW

SECTION NTS B



SIDE ELEVATION VIEW

SECTION NTS A

GENERAL NOTES:

1. GROUND PIGTAILS TO EXTEND A MINIMUM OF 18 INCHES FROM BOTH SIDES OF VAULT WALL PENETRATION.
2. GROUND CLIPS MAX 1' FROM ALL MANHOLE CORNERS, AND MAX 4' OC SPACING ALONG WALLS USE 1/2" PVC COATED. MALLEABLE IRON RIGID STEEL CONDUIT 1 HOLE STRAP WITH BACKSTRAP. ALL HARDWARE AND INSERTS TO BE STAINLESS STEEL.
3. ALL GROUND CONNECTIONS TO MANHOLE RACKS ETC. SHALL BE VIA A TINNED CU 1 HOLE.
4. BOND GROUNDS FROM EARTHING TO VAULT/DUCTBANK GROUND.
5. CABLE VENDOR IS TO PLACE PHASE DESIGNATIONS.
6. CABLE SUPPORT TO BE DESIGNED AND CONSTRUCTED BY CABLE VENDOR.
7. CIVIL CONTRACTOR SHALL ATTACH POLYCARBONATE TAG 1'-6" BELOW FINISHED GRADE ON THE INSIDE OF THE CHIMNEY AND ON THE VAULT WALL OPPOSITE THE RACKING.
8. CIVIL CONTRACTOR SHALL ATTACH TAG 6" FROM THE CONDUIT ON EACH END WALL OF SPLICE VAULT AS SHOWN IN SECTION A WITH DELINEATION OF NEXT SPLICE VAULT IN THE CIRCUIT AND DISTANCE TO SPLICE VAULT.

PRELIMINARY – NOT FOR CONSTRUCTION

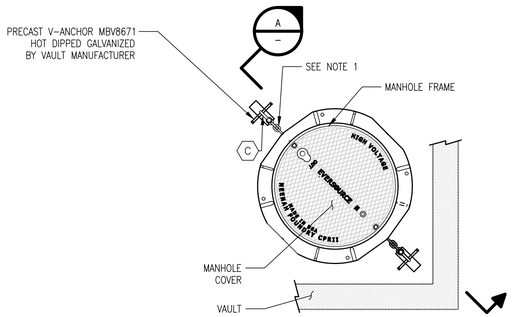
REVISIONS DURING CONSTRUCTION

NO.	DATE	AS BUILT REVISIONS	BY	CHK	APP	APP
B	05/31/23	ISSUED FOR PRELIMINARY DESIGN	YCC	MJD	KMR	–
A	10/19/22	ISSUED FOR SITING REVIEW	JAL	MJD	KMR	–

EVERSOURCE ENERGY

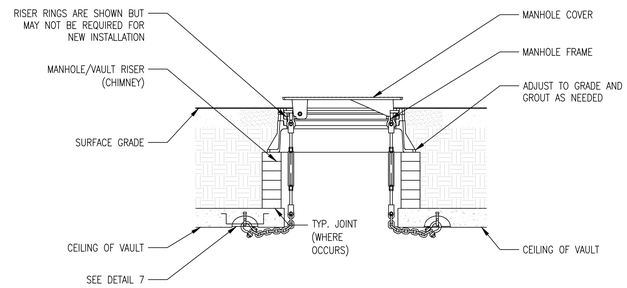
TITLE
1704 UG CABLE MODERNIZATION PROGRAM
115-kV TRANSMISSION LINE
TYPICAL SPLICE VAULT DETAILS 2 OF 3
STAMFORD, CONNECTICUT

BY JAL (BMcD)	CHKD MJD (BMcD)	APP KMR (BMcD)	APP –		
DATE 11/18/22	DATE 11/18/22	DATE 11/18/22	DATE –		
H-SCALE N.T.S.	SIZE ANSI D	FIELD BOOK & PAGES			
V-SCALE N.T.S.	V.S.	R.E.DWG.			
R.E. PROJ. NUMBER		DWG NO. 01107-49002			

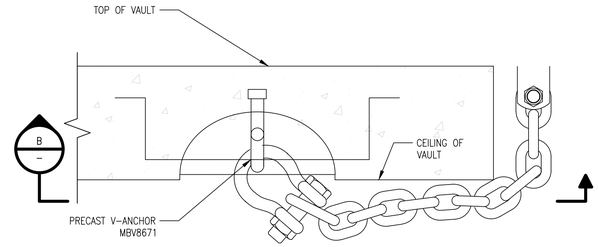


MANHOLE CHIMNEY AND LID DETAILS

DETAIL NTS — 13 —

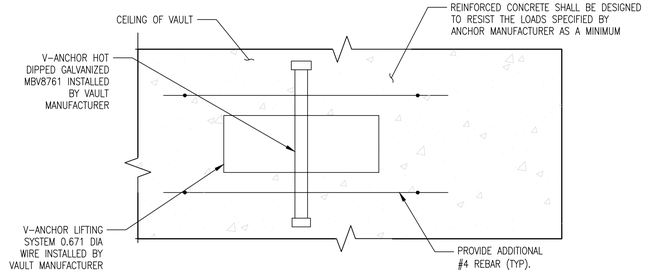


SECTION NTS — A —

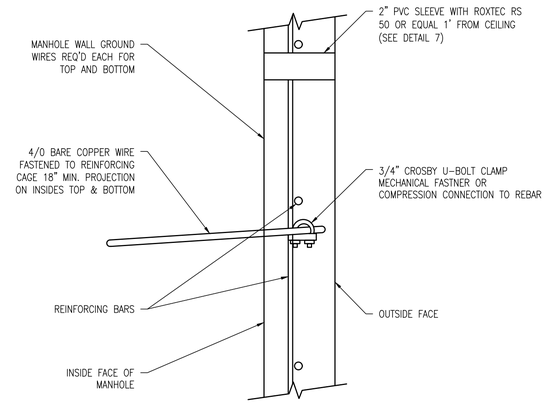


FRAME AND COVER RESTRAINT ANCHOR INSTALLATION

DETAIL NTS — 14 —



SECTION NTS — B —



VAULT GROUNDING DETAIL

DETAIL NTS — 15 —

NOTES:

1. CHAINS SHALL BE FIELD MEASURED AND CUT TO FIT. THE TURNBUCKLES SHALL BE INSTALLED TO ITS MINIMUM POSITION LENGTH. THIS IS TO ALLOW MAXIMUM FLEXIBILITY TO INCREASE ITS LENGTH IN THE FUTURE TO ALLOW PLACEMENT OF RISER RING ADAPTORS OVER THE FRAME DUE TO ADDITIONAL LAYERS OF PAVEMENT. THE SYSTEM SHALL BE TAUT AT IT FINAL POSITION.
2. RESTRAINT SYSTEM PER EVERSOURCE UTRM 292.

PRELIMINARY – NOT FOR CONSTRUCTION

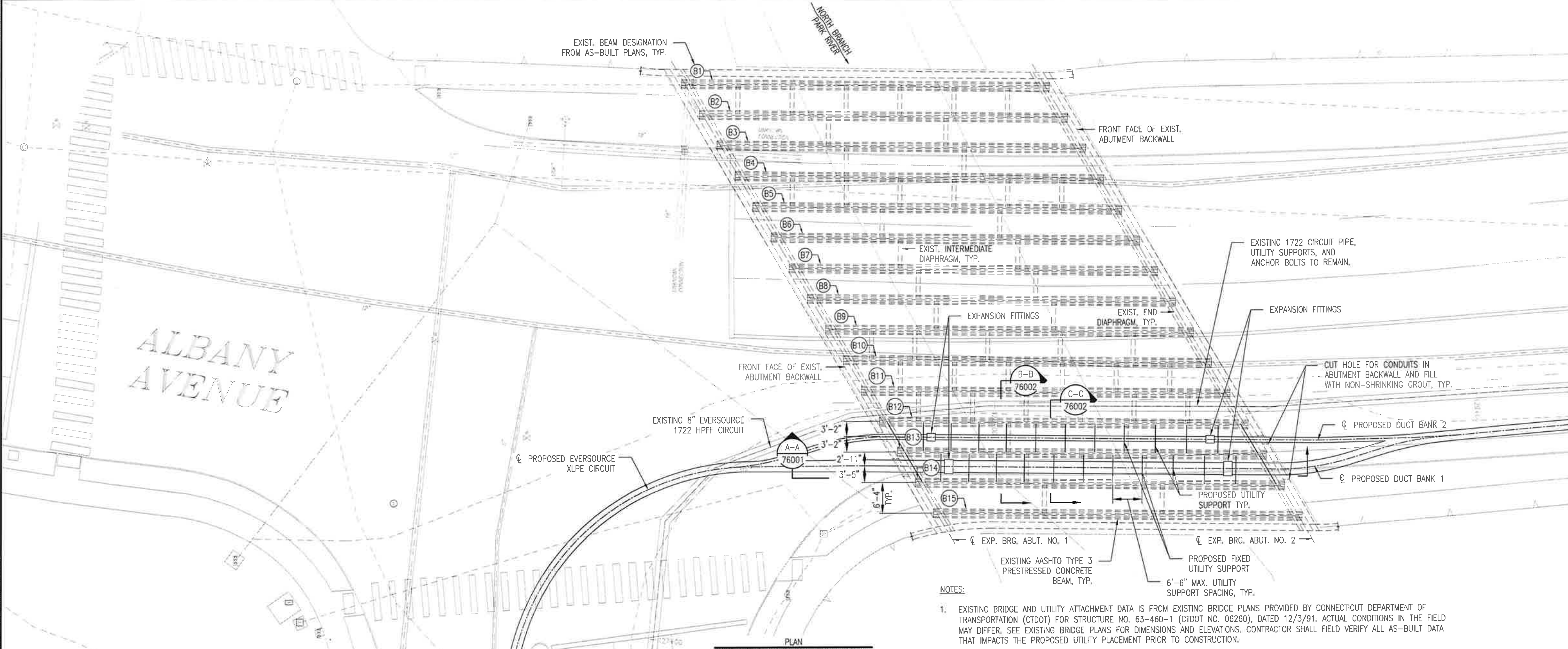
REVISIONS DURING CONSTRUCTION

NO.	DATE	AS BUILT REVISIONS	BY	CHK	APP	APP
B	05/31/23	ISSUED FOR PRELIMINARY DESIGN	YCC	MJD	KMR	–
A	10/19/22	ISSUED FOR SITING REVIEW	JAL	MJD	KMR	–

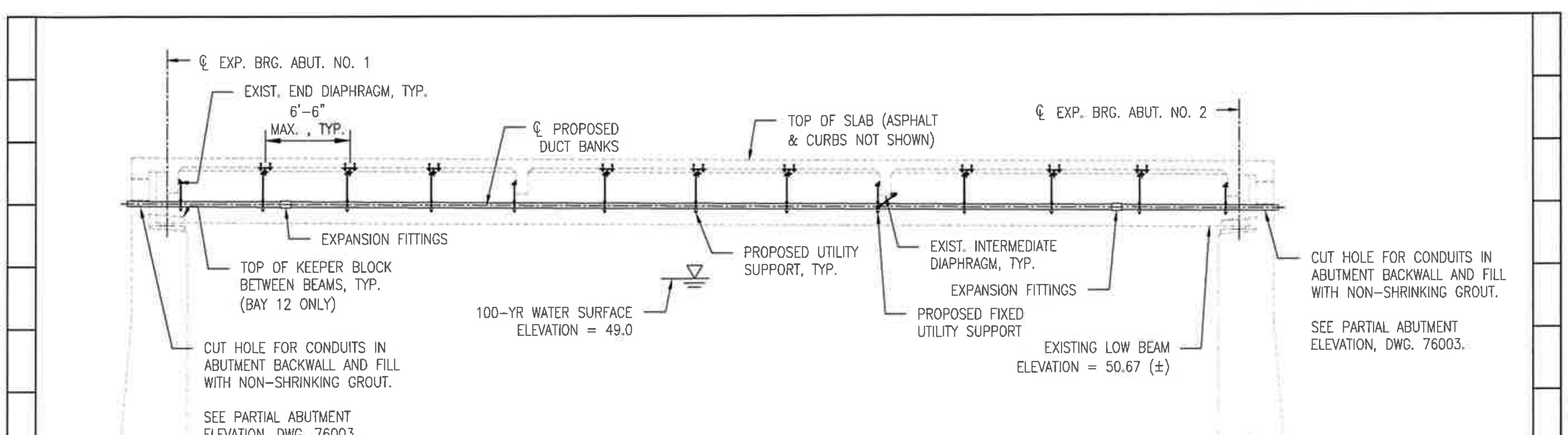
EVERSOURCE ENERGY

TITLE
1704 UG CABLE MODERNIZATION PROGRAM
115-kV TRANSMISSION LINE
TYPICAL SPLICE VAULT DETAILS 3 OF 3
STAMFORD, CONNECTICUT

BY JAL (BMcD)	CHKD MJD (BMcD)	APP KMR (BMcD)	APP
DATE 11/18/22	DATE 11/18/22	DATE 11/18/22	DATE
H-SCALE N.T.S.	SIZE ANSI D	FIELD BOOK & PAGES	
V-SCALE N.T.S.	V.S.	R.E. DWG	
R.E. PROJ. NUMBER		DWG NO.	01107-49003



PLAN
EXISTING US-44 (ALBANY AVENUE) BRIDGE OVER NORTH BRANCH PARK RIVER



SECTION A-A
EXISTING US-44 (ALBANY AVENUE) BRIDGE OVER NORTH BRANCH PARK RIVER
BAY 13 SHOWN, BAY 12 SIMILAR. NTS.

NOTES:

1. EXISTING BRIDGE AND UTILITY ATTACHMENT DATA IS FROM EXISTING BRIDGE PLANS PROVIDED BY CONNECTICUT DEPARTMENT OF TRANSPORTATION (CTDOT) FOR STRUCTURE NO. 63-460-1 (CTDOT NO. 06260), DATED 12/3/91. ACTUAL CONDITIONS IN THE FIELD MAY DIFFER. SEE EXISTING BRIDGE PLANS FOR DIMENSIONS AND ELEVATIONS. CONTRACTOR SHALL FIELD VERIFY ALL AS-BUILT DATA THAT IMPACTS THE PROPOSED UTILITY PLACEMENT PRIOR TO CONSTRUCTION.
2. 100-YEAR WATER SURFACE ELEVATION FROM EFFECTIVE FEMA FLOOD INSURANCE RATE MAP (FIRM). VERTICAL DATUM IS NAVD 88.
3. EXISTING LOW BEAM ELEVATION FROM EXISTING BRIDGE PLANS. VERTICAL DATUM NOT KNOWN.
4. PROPOSED XLPE CIRCUIT SECTION:
   DUCT BANK 1: 3 x 8" DIA. CONDUIT, 2 x 2" DIA. CONDUIT.
   DUCT BANK 2: 2 x 4" DIA. CONDUIT.
5. ALL CONDUIT SHALL BE CHAMPION FIBERGLASS EXTRA HEAVY WALL (XW) "BULLET RESISTANT".
6. PLACE EXPANSION FITTINGS AT APPROXIMATELY ⅓ POINT BETWEEN UTILITY SUPPORTS, WITH MIN. 2'-0" BETWEEN SUPPORT AND END OF EXPANSION FITTING.
7. PLACE EXPANSION FITTINGS WITHIN 12'-0" MAX. FROM FACE OF ABUTMENT.
8. EXPANSION FITTINGS (14 TOTAL) SHALL CONSIST OF O-RING EXPANSION JOINT FITTINGS WITH MIN. STROKE GREATER THAN 4".

PRELIMINARY – NOT FOR CONSTRUCTION

NORTH

0 5' 10' 20'
SCALE IN FEET

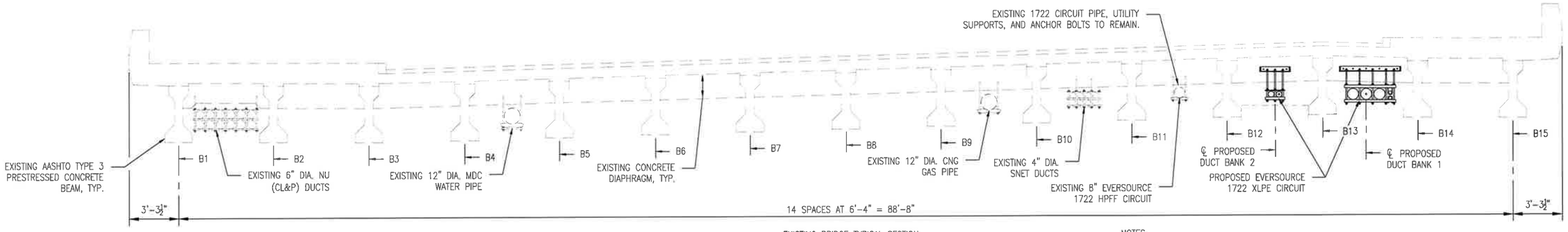
NO.	DATE	AS BUILT REVISIONS	BY	CHK	APP	APP
B	06/02/23	ISSUED FOR PRELIMINARY DESIGN	JGS	JMD	KMR	
A	11/18/22	ISSUED FOR CONCEPT DESIGN	NMF	ASF	KMR	

REVISIONS DURING CONSTRUCTION

EVERSOURCE ENERGY

1722 UG CABLE MODERNIZATION PROGRAM
US 44/ALBANY AVENUE BRIDGE ATTACHMENT
PLAN AND ELEVATION
HARTFORD, CONNECTICUT

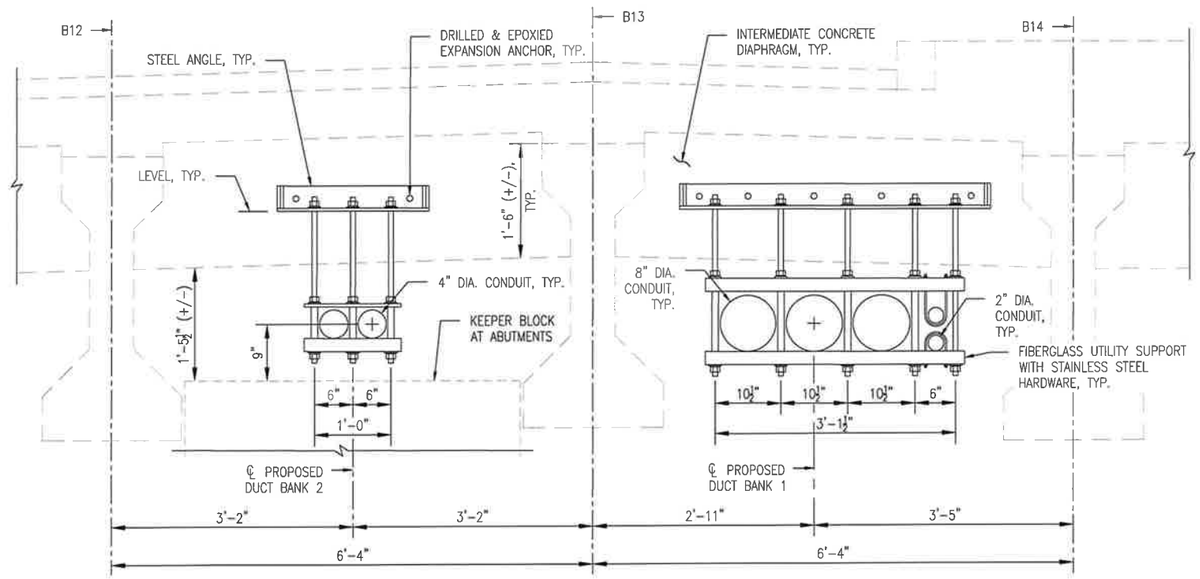
BY	CHKD	APP	APP
JGS (BMcD)	JMD (BMcD)	KMR (BMcD)	
DATE 06/02/23	DATE 06/02/23	DATE 06/02/23	DATE
H-SCALE 1" = 10'-0"	SIZE D	FIELD BOOK & PAGES	
V-SCALE 1" = 10'-0"	V.S.	R.E. DWG	
R.E. PROJ. NUMBER		DWG NO. 01194-76001	



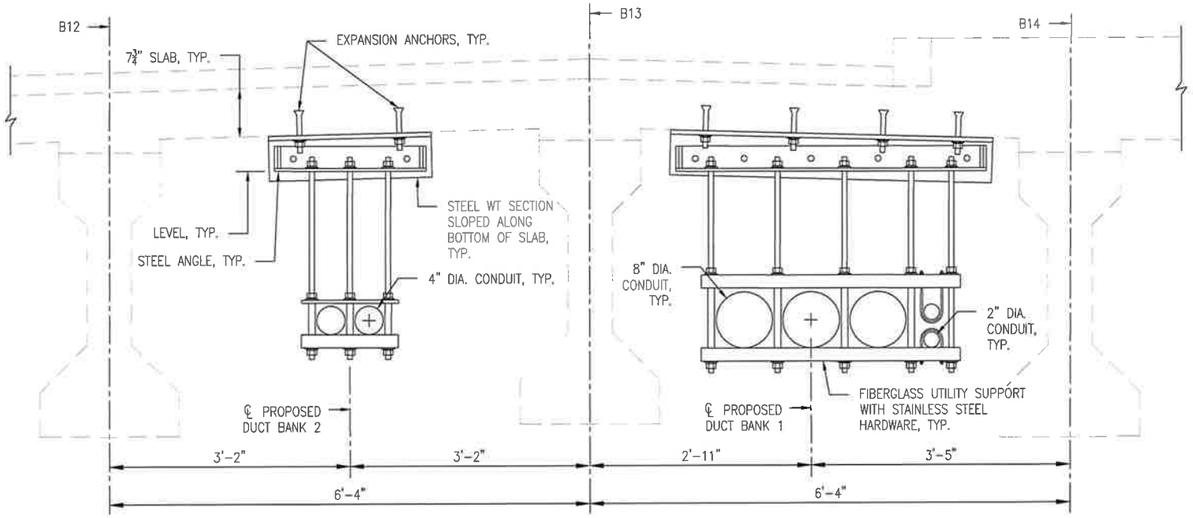
EXISTING BRIDGE TYPICAL SECTION
FACING EAST. NTS.

NOTES:

1. EXISTING BRIDGE AND UTILITY ATTACHMENT DATA IS FROM EXISTING BRIDGE PLANS PROVIDED BY CONNECTICUT DEPARTMENT OF TRANSPORTATION (CTDOT) FOR STRUCTURE NO. 63-460-1 (CTDOT NO. 06260), DATED 12/3/91. ACTUAL CONDITIONS IN THE FIELD MAY DIFFER. SEE EXISTING BRIDGE PLANS FOR DIMENSIONS AND ELEVATIONS. CONTRACTOR SHALL FIELD VERIFY ALL AS-BUILT DATA THAT IMPACTS THE PROPOSED UTILITY PLACEMENT PRIOR TO CONSTRUCTION.
2. ALL CONDUIT SHALL BE CHAMPION FIBERGLASS EXTRA HEAVY WALL (XW) "BULLET RESISTANT".



SECTION B-B
TYPICAL UTILITY SUPPORT AT INTERMEDIATE CONCRETE DIAPHRAGM.
FACING EAST. NTS.



SECTION C-C
TYPICAL UTILITY SUPPORT IN BETWEEN CONCRETE DIAPHRAGMS.
FACING EAST. NTS.

PRELIMINARY – NOT FOR CONSTRUCTION

NO.	DATE	AS BUILT REVISIONS	BY	CHK	APP	APP
B	06/02/23	ISSUED FOR PRELIMINARY DESIGN	JGS	JMD	KMR	
A	11/18/22	ISSUED FOR CONCEPT DESIGN	NMF	ASF	KMR	

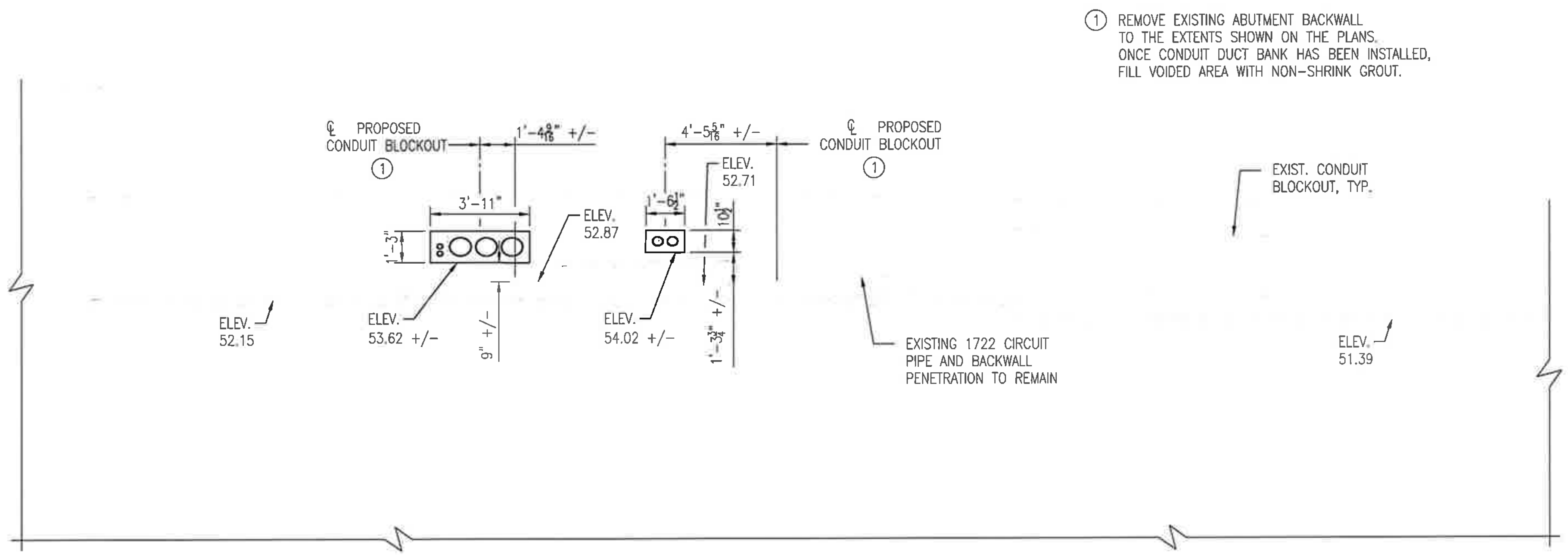
REVISIONS DURING CONSTRUCTION

EVERSOURCE ENERGY

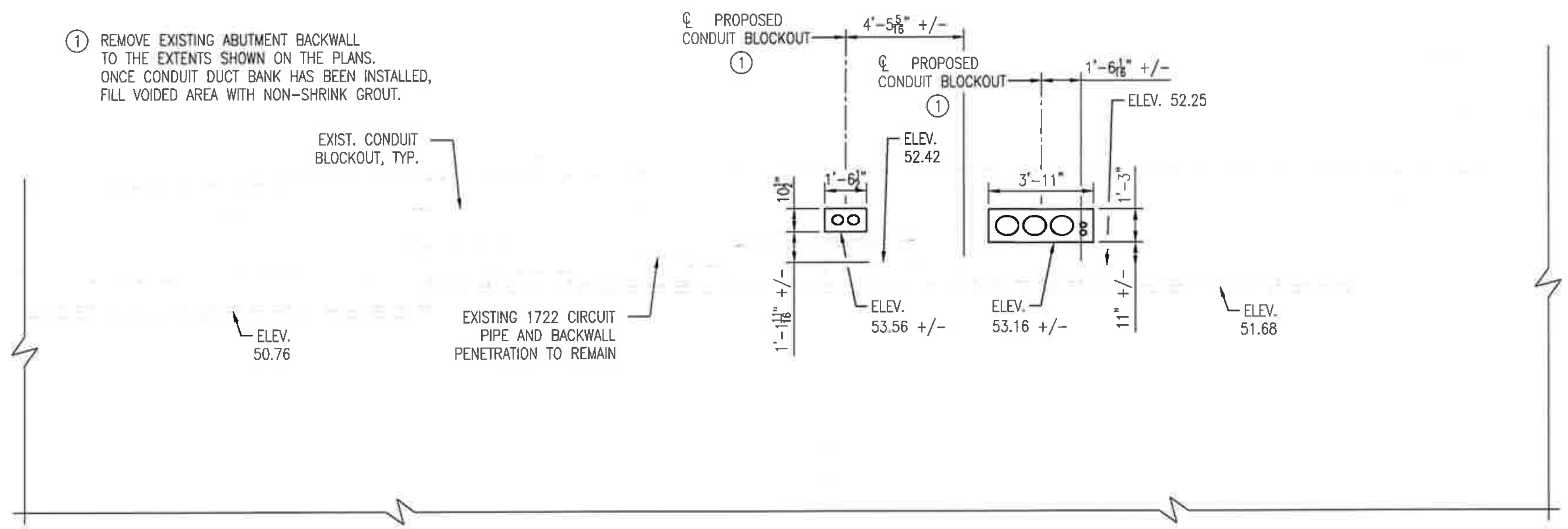
TITLE: 1722 UG CABLE MODERNIZATION PROGRAM
US 44/ALBANY AVENUE BRIDGE ATTACHMENT
TYPICAL SECTION
HARTFORD, CONNECTICUT

BY	CHKD	APP	APP
JGS (BMcD)	JMD (BMcD)	KMR (BMcD)	
DATE 06/02/23	DATE 06/02/23	DATE 05/02/23	DATE
H-SCALE N.T.S.	SIZE D	FIELD BOOK & PAGES	
V-SCALE N.T.S.	W.O.	R.E. DWG	
R.E. PROJ. NUMBER		DWG NO. 01194-76002	

ES VER: 05/2015



PARTIAL ELEVATION
CONDUIT BLOCKOUTS AT ABUTMENT NO. 1
(SHOWN ALONG FACE OF ABUTMENT)
(LOOKING BACK STATION)



PARTIAL ELEVATION
CONDUIT BLOCKOUTS AT ABUTMENT NO. 2
(SHOWN ALONG FACE OF ABUTMENT)
(LOOKING FORWARD STATION)

NOTE:

1. EXISTING BRIDGE AND UTILITY ATTACHMENT DATA IS FROM EXISTING BRIDGE PLANS PROVIDED BY CONNECTICUT DEPARTMENT OF TRANSPORTATION (CTDOT) FOR STRUCTURE NO. 63-460-1 (CTDOT NO. 06260), DATED 12/3/91. ACTUAL CONDITIONS IN THE FIELD MAY DIFFER. SEE EXISTING BRIDGE PLANS FOR DIMENSIONS AND ELEVATIONS. CONTRACTOR SHALL FIELD VERIFY ALL AS-BUILT DATA THAT IMPACTS THE PROPOSED UTILITY PLACEMENT PRIOR TO CONSTRUCTION.

PRELIMINARY – NOT FOR CONSTRUCTION

REVISIONS DURING CONSTRUCTION

NO.	DATE	AS BUILT REVISIONS	BY	CHK	APP	APP
B	06/02/23	ISSUED FOR PRELIMINARY DESIGN	JGS	JMD	KMR	
A	11/18/22	ISSUED FOR CONCEPT DESIGN	NMF	ASF	KMR	

EVERSOURCE ENERGY

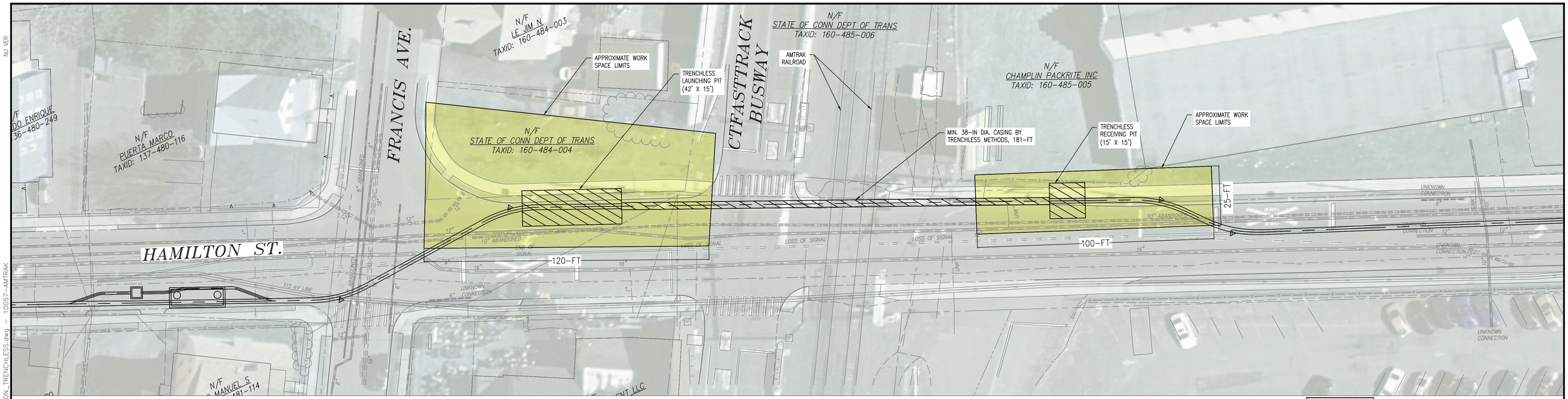
1722 UG CABLE MODERNIZATION PROGRAM
US 44/ALBANY AVENUE BRIDGE ATTACHMENT
CONDUIT SUPPORT END BENT DETAILS
HARTFORD, CONNECTICUT

BY JGS (BMcD)	CHKD JMD (BMcD)	APP KMR (BMcD)	APP
DATE 06/02/23	DATE 06/02/23	DATE 06/02/23	DATE
H-SCALE N.T.S.	SIZE D	FIELD BOOK & PAGES	
V-SCALE N.T.S.	V.S.	R.E. DWG	
R.E. PROJ. NUMBER		DWG NO. 01194-76003	

6/2/2023 11:36 AM – nmfischer – Z:\Clients\TND\NUSC\144531_1704and1722UG\Design\Underground\CADD\Bridge\1722_S03_Partial_Elevation.dwg – CONNECTICUT 001

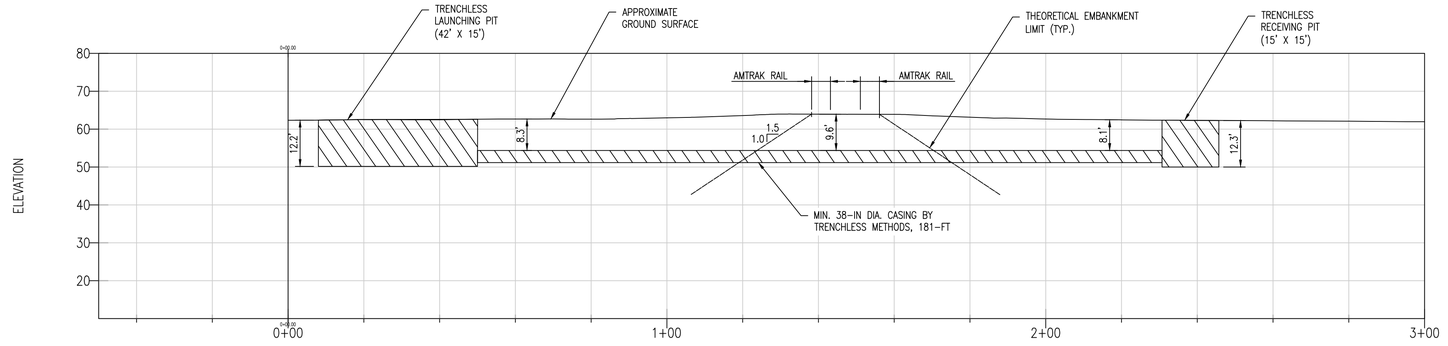
ATTACHMENT 3:

TRENCHLESS CONSTRUCTION PLANS AND PROFILES



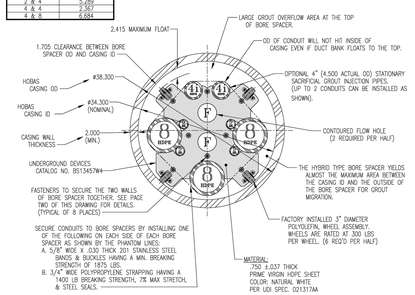
PLAN

CABLE	DUCT
NA	NA
VARIES	36"
VARIES	38.3"
VARIES	34.3"
VARIES	NA
VARIES	208LB/FT
HDPE	HOBAS
EXTRUSION	CENTRIFUGAL CAST
ASTM 3350	ASTM D3262
PE4710	SN>72
NA	NA
FUSED	SMOOTHWALL
NA	NONE
NA	NA
NA	GROUT
PULL	JACK



PROFILE

MINIMUM DISTANCE BETWEEN CONDUITS	
CONDUIT SIZE	MIN. DISTANCE
2 & 2	3.631
2 & 4	5.295
4 & 4	7.187
4 & 6	6.684



CASING DETAIL
NTS

0 20' 40'
VERTICAL SCALE IN FEET
0 10' 20' 40'
HORIZONTAL SCALE IN FEET

PRELIMINARY – NOT FOR CONSTRUCTION

NOTES:

1. BASE MAPPING OBTAINED FROM A FILE ENTITLED "LINE 1704 QLB_ADDITIONAL AREAS" DATED 9-06-2022 PREPARED BY SGC ENGINEERING, LLC.
2. BASE MAPPING HORIZONTAL DATUM: CT. STATE PLANE COORDINATE SYSTEM.
3. TRENCHLESS INSTALLATION SHALL BE COMPLETED IN ACCORDANCE WITH AMTRAK DOCUMENT ENTITLED EP 3005 – PIPELINE OCCUPANCY – SPECIFICATION 02081A.
4. TRENCHLESS CASING SHALL MEET ALL NECESSARY LIVE-LOADING CRITERIA, INCLUDING COOPER E80 LOADING.
5. TRENCHLESS CASING SHALL EXTEND BEYOND THE RAILROAD THEORETICAL EMBANKMENT LIMITS (THEL), AS DEFINED BY A PROFILE LINE STARTING AT A POINT AT THE BASE OF THE OUTSIDE RAIL AND EXTENDING DOWNWARD AWAY FROM RAIL WITH A SLOPE OF 1.5 HORIZONTAL TO 1 VERTICAL.
6. SITE SPECIFIC SUBSURFACE INVESTIGATIONS, SITE AND UTILITY SURVEY HAVE NOT BEEN COMPLETED.
7. AERIAL PHOTOGRAPHS (GEOTIFF) OBTAINED FROM CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, TAKEN 2019.
8. STATIONING SHOWN FOR REFERENCE ONLY.
9. CASING DETAIL PROVIDED BY UNDERGROUND DEVICES.
10. PIT LOCATIONS AND DIMENSIONS FOR PLANNING PURPOSES ONLY.

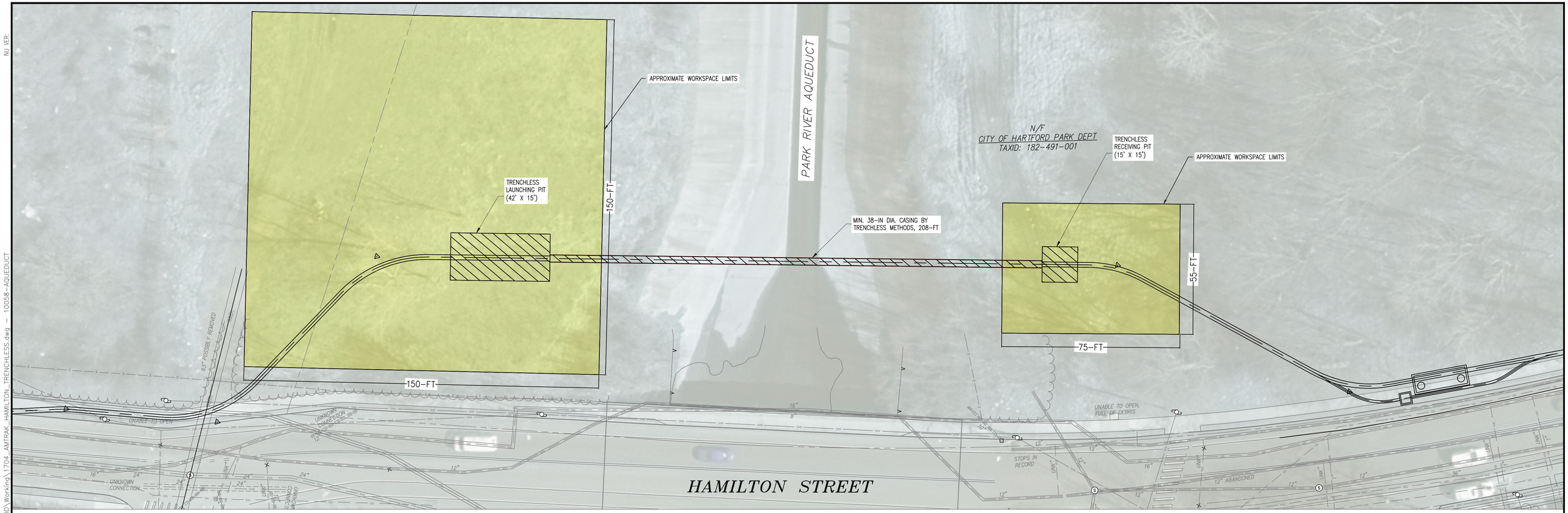
NO.	DATE	AS BUILT REVISIONS	BY	CHK	APP	APP
B	05/31/23	ISSUED FOR PRELIMINARY DESIGN	NS	NS	KF	
A	03/09/23	ISSUED FOR CONCEPT REVIEW	NS	NS	KF	

REVISIONS DURING CONSTRUCTION

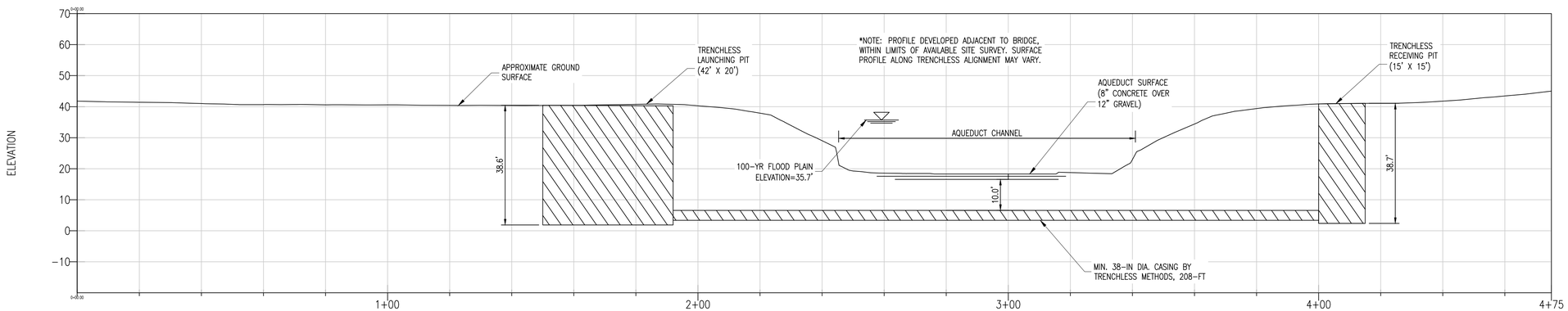
EVERSOURCE ENERGY

TITLE
1704 UG CABLE MODERNIZATION PROGRAM
115-kV TRANSMISSION LINE
HAMILTON ST. CROSSING PLAN & PROFILE 1 OF 2
HARTFORD, CT

BY	CHKD	APP	APP
NS	KF	–	
DATE	DATE	DATE	DATE
2/23/23	2/23/23		–
H-SCALE 1"=20'	SIZE ANSI D	FIELD BOOK & PAGES	
V-SCALE 1"=20'	V.S.	R.E.DWG.	
R.E. PROJ. NUMBER		DWG NO. 01107-10057	

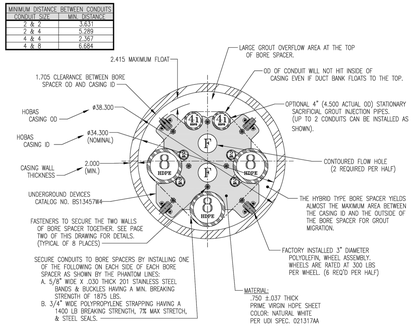


PLAN



PROFILE

MINIMUM DISTANCE BETWEEN CONDUITS	
CONDUIT SIZE	MIN. DISTANCE C
2 & 2	3.631
2 & 4	5.099
4 & 4	2.167
4 & 8	6.684



CASING DETAIL

NTS

NOTES:

1. BASE MAPPING OBTAINED FROM A FILE ENTITLED "LINE 1704 QLB_ADDITIONAL AREAS" DATED 9-06-2022 PREPARED BY SGC ENGINEERING, LLC.
2. BASE MAPPING HORIZONTAL DATUM: CT. STATE PLANE COORDINATE SYSTEM.
3. AQUEDUCT CHANNEL DETAILS OBTAINED FROM A DRAWING ENTITLED "CONNECTICUT STATE HIGHWAY DEPARTMENT, CITY OF HARTFORD, SOUTH BRANCH PARK RIVER CONDUIT, TYPICAL CHANNEL SECTION & DETAILS, SHEET NO. 3 OF 61", DATED 8/63.
4. SITE SPECIFIC SUBSURFACE INVESTIGATIONS, SITE AND UTILITY SURVEY HAVE NOT BEEN COMPLETED.
5. AERIAL PHOTOGRAPHS (GEOTIFF) OBTAINED FROM CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, TAKEN 2019.
6. STATIONING SHOWN FOR REFERENCE ONLY.
7. CASING DETAIL PROVIDED BY UNDERGROUND DEVICES.
8. PIT LOCATIONS AND DIMENSIONS FOR PLANNING PURPOSES ONLY.

NORTH

0 20' 40'
VERTICAL SCALE IN FEET
0 10' 20' 40'
HORIZONTAL SCALE IN FEET

PRELIMINARY – NOT FOR CONSTRUCTION

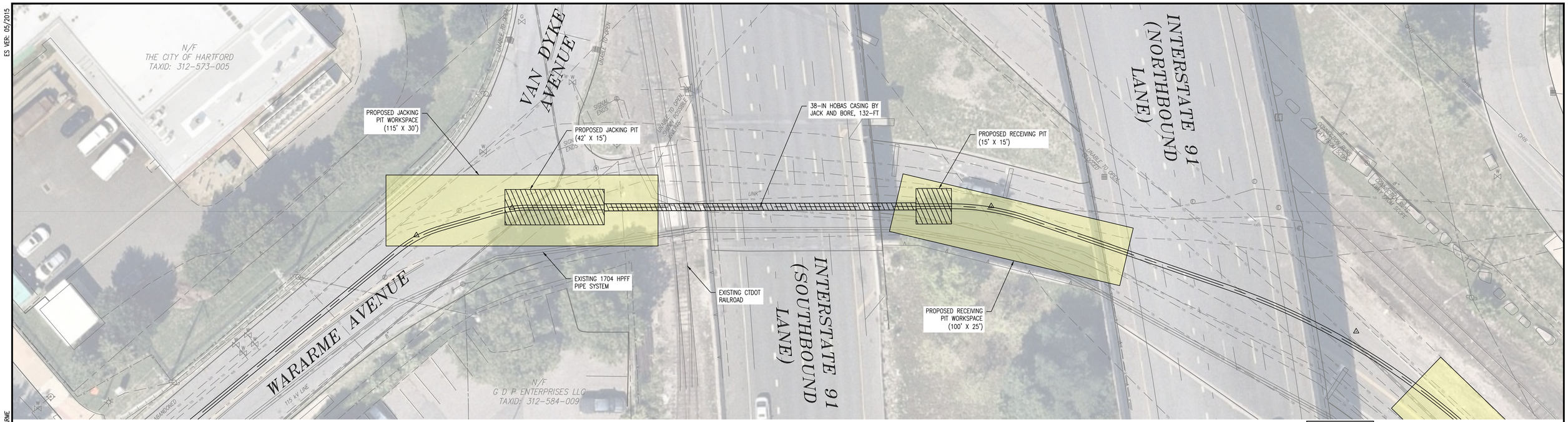
NO.	DATE	AS BUILT REVISIONS	BY	CHK	APP	APP
B	05/31/23	ISSUED FOR PRELIMINARY DESIGN	NS	NS	KF	
A	03/09/23	ISSUED FOR CONCEPT REVIEW	NS	NS	KF	

REVISIONS DURING CONSTRUCTION

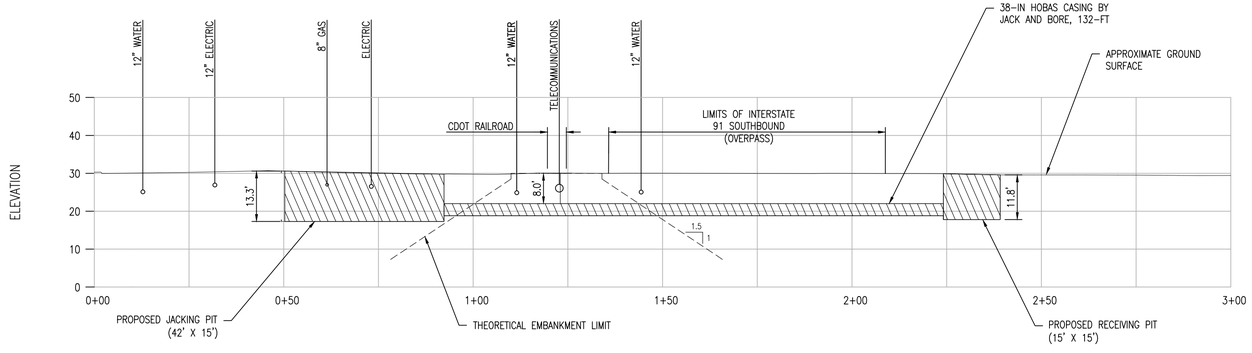
EVERSOURCE ENERGY

TITLE
1704 UG CABLE MODERNIZATION PROGRAM
115-kV TRANSMISSION LINE
HAMILTON ST. CROSSING PLAN & PROFILE 2 OF 2
HARTFORD, CT

BY NS	CHKD KF	APP	APP –
DATE 02/22/23	DATE 2/23/23	DATE	DATE –
H-SCALE 1"=20'	SIZE ANSI D	FIELD BOOK & PAGES	
V-SCALE 1"=20'	V.S.	R.E.DWG.	
P.E. PROJ. NUMBER		DWG NO. 01107-10058	

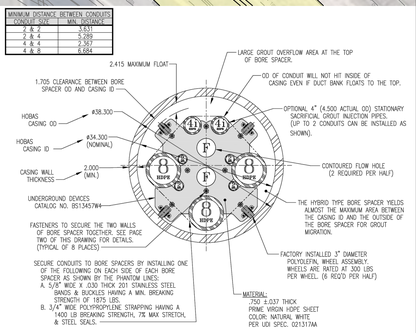


PLAN



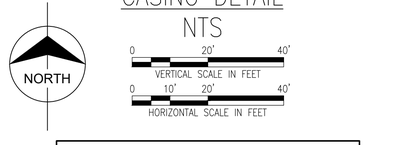
PROFILE

MINIMUM DISTANCE BETWEEN CONDUITS	
CONDUIT SIZE	MIN. DISTANCE
2 & 2	3.631
2 & 4	3.189
4 & 4	2.747
4 & 8	6.684



CASING DETAIL

NTS



PRELIMINARY – NOT FOR CONSTRUCTION

NOTES:

1. BASE MAPPING OBTAINED FROM A FILE ENTITLED "LINE 1704 QLB_ADDITIONAL AREAS" DATED 9-06-2022 PREPARED BY SGC ENGINEERING, LLC.
2. THE HORIZONTAL AND VERTICAL VALUES DEPICTED ARE BASED ON NAD83 CONNECTICUT STATE PLANE ZONE, US FOOT AND NAVD 1988 DATUMS.
3. TRENCHLESS CASING SHALL EXTEND BEYOND THE RAILROAD THEORETICAL EMBANKMENT LIMITS (THEL), AS DEFINED BY A PROFILE LINE STARTING AT A POINT LOCATED 12 FEET HORIZONTALLY FROM TRACK CENTERLINE AND 18 INCHES BELOW TOP OF RAIL, AND EXTENDING DOWNWARD AWAY FROM RAIL WITH A SLOPE OF 1.5 HORIZONTAL TO 1 VERTICAL.
4. SITE SPECIFIC GEOTECHNICAL AND SUBSURFACE QUALITY LEVEL A (PER ASCE 38-02) TEST PITTING INVESTIGATIONS HAVE NOT BEEN COMPLETED.
5. STATIONING SHOWN FOR REFERENCE ONLY.
6. BORE SPACER DETAIL PROVIDED BY UNDERGROUND DEVICES.
7. PIT LOCATIONS AND DIMENSIONS FOR PLANNING PURPOSES ONLY.
8. UTILITY RELOCATIONS MAY BE REQUIRED, TO BE DETERMINED DURING DETAILED DESIGN.

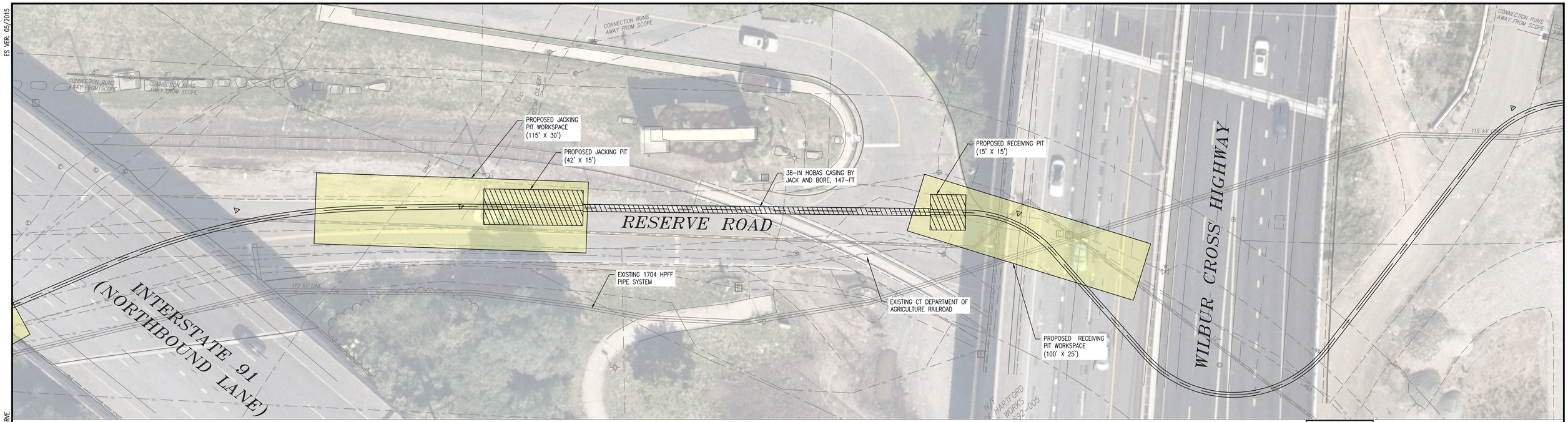
NO.	DATE	AS BUILT REVISIONS	BY	CHK	APP	APP
B	05/31/23	ISSUED FOR PRELIMINARY DESIGN	NS	NS	KF	
A	03/09/23	ISSUED FOR CONCEPT REVIEW	NS	NS	KF	

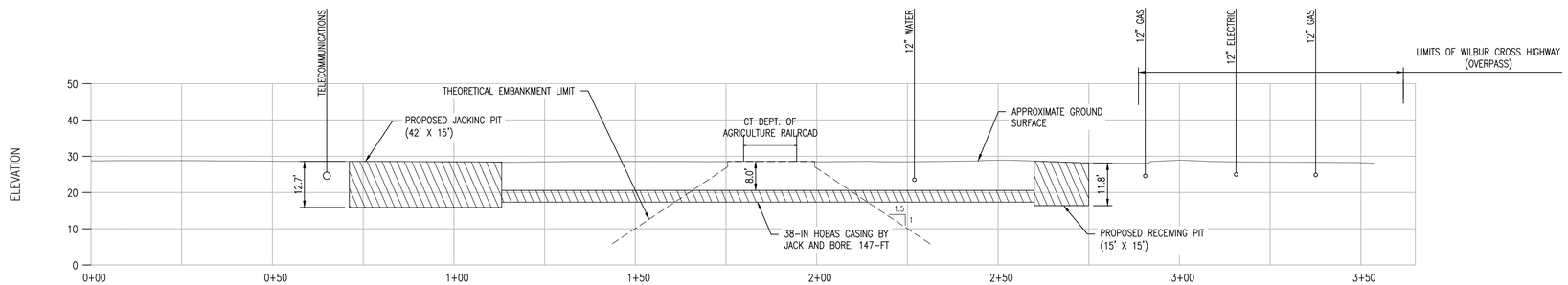
REVISIONS DURING CONSTRUCTION

EVERSOURCE ENERGY

TITLE 1704 UG CABLE MODERNIZATION PROGRAM
115-kV TRANSMISSION LINE
WARWARME AV. CTDOT RAIL CROSSING PLAN & PROFILE
HARTFORD, CT

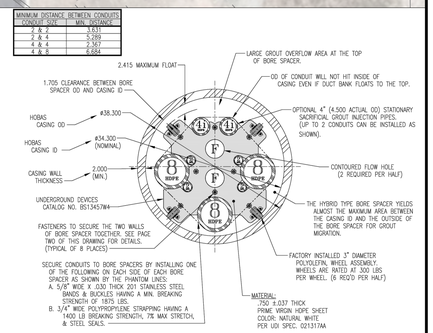
BY	NS	CHKD	NS	APP	KF
DATE	3/7/23	DATE	3/7/23	DATE	3/9/23
H-SCALE	1"=20'	SIZE	ANSI D	FIELD BOOK & PAGES	
V-SCALE	1"=20'	V.S.		R.E. DWG	
R.E. PROJ. NUMBER				DWG NO.	01107-10060



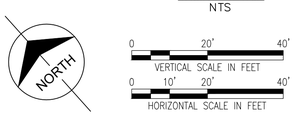


PROFILE

MINIMUM DISTANCE BETWEEN CONDUITS	
CONDUIT SIZE	MIN. CLEARANCE
2 & 2	3.631
2 & 4	5.289
4 & 4	2.167
4 & 6	6.684



CASING DETAIL
NTS



PRELIMINARY – NOT FOR CONSTRUCTION

NOTES:

1. BASE MAPPING OBTAINED FROM A FILE ENTITLED "LINE 1704 QLR_ADDITIONAL AREAS" DATED 9-06-2022 PREPARED BY SGC ENGINEERING, LLC.
2. THE HORIZONTAL AND VERTICAL VALUES DEPICTED ARE BASED ON NAD83 CONNECTICUT STATE PLANE ZONE, US FOOT AND NAVD 1988 DATUMS.
3. TRENCHLESS CASING SHALL EXTEND BEYOND THE RAILROAD THEORETICAL EMBANKMENT LIMITS (THEL), AS DEFINED BY A PROFILE LINE STARTING AT A POINT LOCATED 12 FEET HORIZONTALLY FROM TRACK CENTERLINE AND 18 INCHES BELOW TOP OF RAIL, AND EXTENDING DOWNWARD AWAY FROM RAIL WITH A SLOPE OF 1.5 HORIZONTAL TO 1 VERTICAL.
4. SITE SPECIFIC GEOTECHNICAL AND SUBSURFACE QUALITY LEVEL A (PER ASCE 38-02) TEST PITTING INVESTIGATIONS HAVE NOT BEEN COMPLETED.
5. STATIONING SHOWN FOR REFERENCE ONLY.
6. BORE SPACER DETAIL PROVIDED BY UNDERGROUND DEVICES.
7. PIT LOCATIONS AND DIMENSIONS FOR PLANNING PURPOSES ONLY.
8. UTILITY RELOCATIONS MAY BE REQUIRED, TO BE DETERMINED DURING DETAILED DESIGN.

NO.	DATE	AS BUILT REVISIONS	BY	CHK	APP	APP
B	05/31/23	ISSUED FOR PRELIMINARY DESIGN	NS	NS	KF	
A	03/09/23	ISSUED FOR CONCEPT REVIEW	NS	NS	KF	

REVISIONS DURING CONSTRUCTION

EVERSOURCE ENERGY

TITLE 1704 UG CABLE MODERNIZATION PROGRAM
115-kV TRANSMISSION LINE
RESERVE RD. CTDOAG RAIL CROSSING PLAN & PROFILE
HARTFORD, CT

BY NS	CHKD NS	APP KF	APP
DATE 3/7/23	DATE 3/7/23	DATE 3/9/23	DATE
H-SCALE 1"=20'	SIZE ANSI D	FIELD BOOK & PAGES	
V-SCALE 1"=20'	V.S.	R.E. DWG	
R.E. PROJ. NUMBER		DWG NO. 01107-10059	

ES VER. 05/2015

12/19/2023 2:57 PM - dcarroco - \\bmcv\pfs\Clients\TND\NUSC\NUSCExempt\144531_1704and1722UG\Design\Underground\CADD\Working\1704_WWARME_RESERVE_TRENCHLESS.dwg - 10059

ATTACHMENT 4

FLOOD CONTINGENCY PLAN

ATTACHMENT 4
FLOOD CONTINGENCY PLAN
OUTLINE OF PLAN ELEMENTS

Since there would be temporary construction activities occurring within 100-year flood zones, a detailed Flood Contingency Plan would be developed for the Project. Eversource anticipates that a flood contingency plan consisting of the elements outlined below would be required to develop a project specific Flood Contingency Plan that incorporates the following basic elements at a minimum:

- Provide and maintain current site-specific contact information for the Contractor's project manager and site foreman as well as relevant subcontractors, Eversource staff, and outside emergency contacts.

- Staff responsible for storm/flood monitoring and implementing the FCP Plan are to be included in a Project Coordination Contact List (to be developed following contactor selection). Staff included in this list would be required to be available personally, or must have a responsible designee, at all times when the Contractor is mobilized on site.

- Requirements for monitoring include 24 hours a day, seven days a week monitoring of weather conditions to identify potential storms that could produce surge, high winds, waves, or other flood conditions.

- Identify specific equipment and materials to be used on site to perform flood preparation and mitigation measures.

- Develop a detailed site plan showing location of equipment, material stockpiles, frac tanks, containers, pumps, drilling equipment, etc. in conformance with approved permit plans and conditions.

- Develop a program to perform daily monitoring of weather conditions and storm predictions to provide sufficient advance notice that flooding of the project site could occur.

- Inform all subcontractors about this FCP and ensure they work with the

Contractor's personnel to meet the FCP requirements.

- Provide training to supervisory personnel who would be overseeing the construction activities within and adjacent to the flood zone. Training would include an overview of the FCP, designated on-site location of the FCP document, and the flood contingency measures described in this FCP.

- Avoid working or mobilizing of equipment and materials into areas within the project site that are flooded or that could reasonably be expected to become flooded prior to the completion of the specific construction activities.

- Avoid starting new excavation or drilling operations in the flood plain when the flooding conditions are precited or may be imminent.

- Protect HDD drill shafts and entry/exit pits from flooding. Do not allow floodwaters to enter entry/exit pits or drill shafts.

- Be prepared to move materials and equipment out of the flood zone in advance of predicted flooding, or at the specific direction of Eversource and/or its on project management personnel.

- Identify nearby storage areas that can be used to temporarily store equipment and material in the event that the site is at risk of flooding.

- Have sufficient material available for flood mitigation efforts. The following are examples of the materials and equipment that the Contractor would have on site or than can readily be available from nearby off-site storage sites:

    - Track Excavator(s).
    - Dewatering Pumps.
    - Sandbags/Super Sacks.
    - Concrete Blocks or Jersey Barriers.

- Straps, chains, etc. to anchor equipment and material in the flood zone.

- All drilling fluids, additives, oils, fuel, and other liquids must be removed from the flood zone upon prediction of flooding conditions

- Materials and equipment that must remain in the flood zone shall be minimized, however any such equipment or materials must be adequately secured to avoid transport by floodwaters, fouling of the Park River channel, or environmental impacts. An adequate supply of concrete blocks or other forms of ballast shall be available to anchor any such materials remaining in the flood plain.

- Coordinate all flood mitigation activities with the City of Hartford personnel who may be making flood preparations.

Eversource's responsibilities under the Flood Contingency Plan would include the following:

Eversource Energy is the owner of the electrical transmission facilities that would be constructed during this Project and would be the permittee under City of Hartford (Flood Commission), USACE, and Connecticut Department of Energy and Environmental Protection permits if required.

- Eversource would contractually assign certain responsibilities to the selected Contractor, which includes development of a comprehensive Flood Contingency Plan. Eversource would further ensure that the Contractor follows all requirements of the FCP and compliance with all related permit conditions.

- Eversource would provide engineering and construction inspection/monitoring personnel to oversee compliance with all permit conditions. The engineering and construction inspection/monitoring services would be performed by both Eversource employees and consultant firms that are under contract to monitor the work performed by the Contractor.

- Engineering and construction inspection/monitoring efforts would include verification of the adequacy of the Contractor's Flood Contingency Plan and the ongoing readiness of the Contractor to implement the FCP throughout the project duration.

ATTACHMENT 5

PROTECTED SPECIES CORRESPONDENCE

United States Department of the Interior

FISH AND WILDLIFE SERVICE
New England Ecological Services Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5094
Phone: (603) 223-2541 Fax: (603) 223-0104

In Reply Refer To:
Project code: 2023-0112808
Project Name: Hartford Underground Cable Modernization Project

September 08, 2023

Federal Nexus: yes
Federal Action Agency (if applicable):

Subject: Record of project representative's no effect determination for 'Hartford Underground Cable Modernization Project'

Dear Anna Loss:

This letter records your determination using the Information for Planning and Consultation (IPaC) system provided to the U.S. Fish and Wildlife Service (Service) on September 08, 2023, for 'Hartford Underground Cable Modernization Project' (here forward, Project). This project has been assigned Project Code 2023-0112808 and all future correspondence should clearly reference this number. **Please carefully review this letter.**

Ensuring Accurate Determinations When Using IPaC

The Service developed the IPaC system and associated species' determination keys in accordance with the Endangered Species Act of 1973 (ESA; 87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.) and based on a standing analysis. All information submitted by the Project proponent into IPaC must accurately represent the full scope and details of the Project.

Failure to accurately represent or implement the Project as detailed in IPaC or the Northern Long-eared Bat Rangewide Determination Key (Dkey), invalidates this letter. ***Answers to certain questions in the DKey commit the project proponent to implementation of conservation measures that must be followed for the ESA determination to remain valid.***

Determination for the Northern Long-Eared Bat

Based upon your IPaC submission and a standing analysis, your project has reached the determination of "No Effect" on the northern long-eared bat. To make a no effect determination, the full scope of the proposed project implementation (action) should not have any effects (either positive or negative), to a federally listed species or designated critical habitat. Effects of the action are all consequences to listed species or critical habitat that are caused by the proposed

action, including the consequences of other activities that are caused by the proposed action. A consequence is caused by the proposed action if it would not occur but for the proposed action and it is reasonably certain to occur. Effects of the action may occur later in time and may include consequences occurring outside the immediate area involved in the action. (See § 402.17).

Under Section 7 of the ESA, if a federal action agency makes a no effect determination, no consultation with the Service is required (ESA §7). If a proposed Federal action may affect a listed species or designated critical habitat, formal consultation is required except when the Service concurs, in writing, that a proposed action "is not likely to adversely affect" listed species or designated critical habitat [50 CFR §402.02, 50 CFR§402.13].

Other Species and Critical Habitat that May be Present in the Action Area

The IPaC-assisted determination for the northern long-eared bat does not apply to the following ESA-protected species and/or critical habitat that also may occur in your Action area:

- Monarch Butterfly *Danaus plexippus* Candidate

You may coordinate with our Office to determine whether the Action may affect the animal species listed above and, if so, how they may be affected.

Next Steps

Based upon your IPaC submission, your project has reached the determination of “No Effect” on the northern long-eared bat. If there are no updates on listed species, no further consultation/ coordination for this project is required with respect to the northern long-eared bat. However, the Service recommends that project proponents re-evaluate the Project in IPaC if: 1) the scope, timing, duration, or location of the Project changes (includes any project changes or amendments); 2) new information reveals the Project may impact (positively or negatively) federally listed species or designated critical habitat; or 3) a new species is listed, or critical habitat designated. If any of the above conditions occurs, additional coordination with the Service should take place to ensure compliance with the Act.

If you have any questions regarding this letter or need further assistance, please contact the New England Ecological Services Field Office and reference Project Code 2023-0112808 associated with this Project.

Action Description
You provided to IPaC the following name and description for the subject Action.

1. Name

Hartford Underground Cable Modernization Project

2. Description

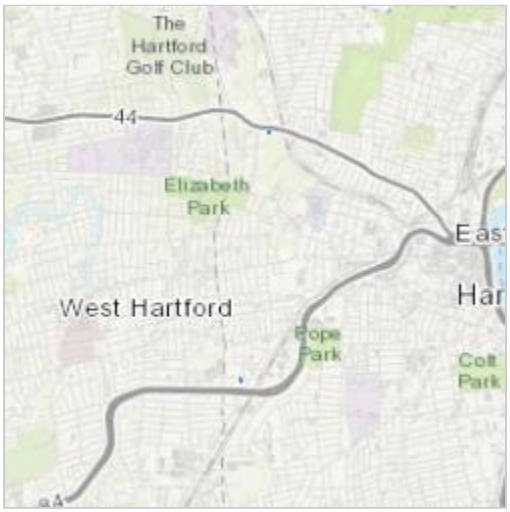
The following description was provided for the project 'Hartford Underground Cable Modernization Project':

> Eversource proposes to replace the existing 115-kV 1722 HPFF transmission line from Northwest Hartford Substation to Southwest Hartford Substation, and the 115-kV 1704 HPFF transmission line from the Southwest Hartford Substation to the South Meadows Substation. The replacement transmission lines will be installed underground along a previously developed route. Access will be via existing roads, and where required, via timber mat access routes. This work will help to ensure the future reliability of the transmission system in this region.
>
> As stated, the majority of the proposed routes are currently developed by sidewalks, roadways, parking lots, and asphalt areas. As the transmission line will be located underground post-construction, no changes in aesthetic or existing characteristics are anticipated. In addition to underground construction, a Horizontal Directional Drilling (HDD) method will be used to extend the transmission line below the South Branch Park River. The sending and receiving pits will be restored to post-construction conditions upon construction completion. Additionally, a timber mat access road will be required to cross an unnamed tributary of the South Branch Park River and to access the proposed transmission route alignment adjacent to Albany Avenue and the Northwest Hartford Substation. No other access routes will be located outside of existing asphalt areas. The proposed timber mat access roads are required to accommodate construction equipment and safely install the transmission lines. At the completion of construction, construction mats will be removed and the area restored to pre-construction conditions.
>
> No expansion of the existing maintained portion of the ROW is proposed.
>
> Typical equipment which will be used includes excavators, bulldozers, drill rigs, and various sized trucks and support vehicles. Typical methods of construction include site civil construction for installation of work pads, removal and replacement of existing transmission line infrastructure. All work, including work within wetland areas, would be conducted in accordance with Eversource’s Best Management Practices (BMPs) Manual for Massachusetts and Connecticut (Construction and Maintenance Environmental Requirements), April 2022. Erosion and sediment controls will be employed and maintained, as needed, throughout the duration of the work activities in accordance with the 2002

Connecticut Guidelines for Soil Erosion and Sediment Control and the BMPs.

Following the receipt of local/state/federal permits and approvals, the project will be completed within approximately 6-9 months depending on the necessary time of year restriction.

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@41.7842195,-72.70679161174917,14z



DETERMINATION KEY RESULT

Based on the information you provided, you have determined that the Proposed Action will have no effect on the Endangered northern long-eared bat (Myotis septentrionalis). Therefore, no consultation with the U.S. Fish and Wildlife Service pursuant to Section 7(a)(2) of the Endangered Species Act of 1973 (87 Stat. 884, as amended 16 U.S.C. 1531 *et seq.*) is required for those species.

QUALIFICATION INTERVIEW

1. Does the proposed project include, or is it reasonably certain to cause, intentional take of the northern long-eared bat or any other listed species?

   Note: Intentional take is defined as take that is the intended result of a project. Intentional take could refer to research, direct species management, surveys, and/or studies that include intentional handling/encountering, harassment, collection, or capturing of any individual of a federally listed threatened, endangered or proposed species?

   No

2. Do you have post-white nose syndrome occurrence data that indicates that northern long-eared bats (NLEB) are likely to be present in the action area?

   Bat occurrence data may include identification of NLEBs in hibernacula, capture of NLEBs, tracking of NLEBs to roost trees, or confirmed acoustic detections. With this question, we are looking for data that, for some reason, may have not yet been made available to U.S. Fish and Wildlife Service.

   No

3. Does any component of the action involve construction or operation of wind turbines?

   Note: For federal actions, answer ‘yes’ if the construction or operation of wind power facilities is either (1) part of the federal action or (2) would not occur but for a federal agency action (federal permit, funding, etc.).

   No

4. Is the proposed action authorized, permitted, licensed, funded, or being carried out by a Federal agency in whole or in part?

   Yes

5. Is the Federal Highway Administration (FHWA), Federal Railroad Administration (FRA), or Federal Transit Administration (FTA) funding or authorizing the proposed action, in whole or in part?

   No

6. Are you an employee of the federal action agency or have you been officially designated in writing by the agency as its designated non-federal representative for the purposes of Endangered Species Act Section 7 informal consultation per 50 CFR § 402.08?

   Note: This key may be used for federal actions and for non-federal actions to facilitate section 7 consultation and to help determine whether an incidental take permit may be needed, respectively. This question is for information purposes only.

   Yes

7. Is the lead federal action agency the Environmental Protection Agency (EPA) or Federal Communications Commission (FCC)? Is the Environmental Protection Agency (EPA) or Federal Communications Commission (FCC) funding or authorizing the proposed action, in whole or in part?

   No

8. Is the lead federal action agency the Federal Energy Regulatory Commission (FERC)?

   No

9. Have you determined that your proposed action will have no effect on the northern long-eared bat? Remember to consider the effects of any activities that would not occur but for the proposed action.

   If you think that the northern long-eared bat may be affected by your project or if you would like assistance in deciding, answer “No” below and continue through the key. If you have determined that the northern long-eared bat does not occur in your project’s action area and/or that your project will have no effects whatsoever on the species despite the potential for it to occur in the action area, you may make a “no effect” determination for the northern long-eared bat.

   Note: Federal agencies (or their designated non-federal representatives) must consult with USFWS on federal agency actions that may affect listed species [50 CFR 402.14(a)]. Consultation is not required for actions that will not affect listed species or critical habitat. Therefore, this determination key will not provide a consistency or verification letter for actions that will not affect listed species. If you believe that the northern long-eared bat may be affected by your project or if you would like assistance in deciding, please answer “No” and continue through the key. Remember that this key addresses only effects to the northern long-eared bat. Consultation with USFWS would be required if your action may affect another listed species or critical habitat. The definition of Effects of the Action can be found here: https://www.fws.gov/media/northern-long-eared-bat-assisted-determination-key-selected-definitions

   Yes

PROJECT QUESTIONNAIRE

Will all project activities by completed by April 1, 2024?

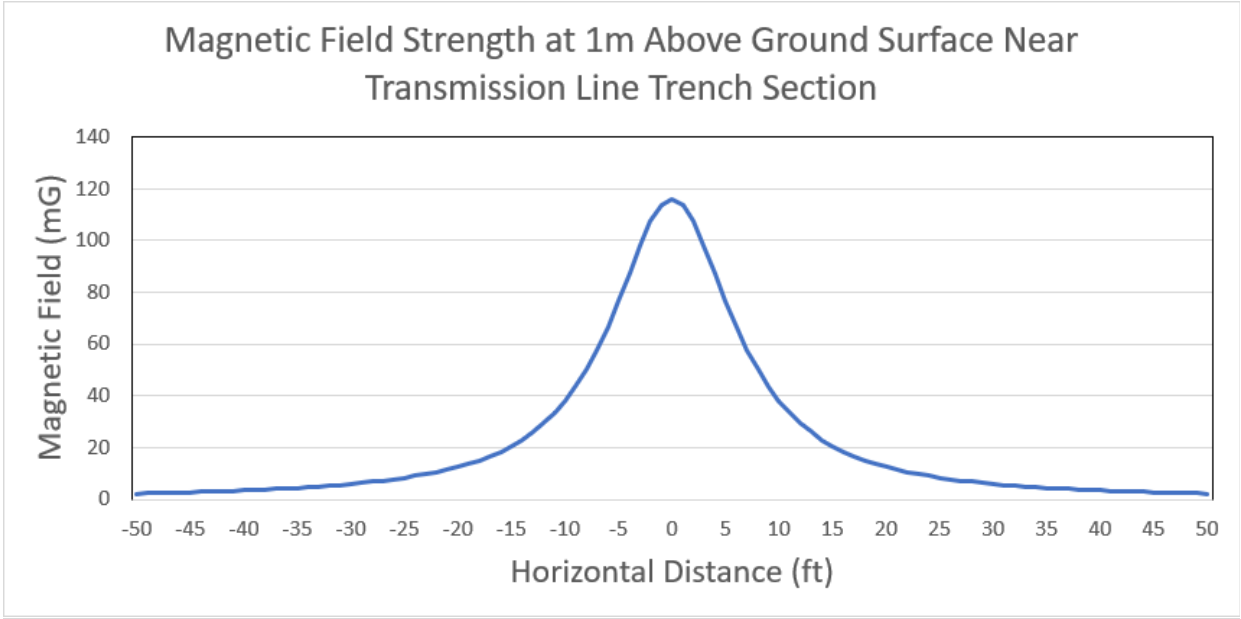
No

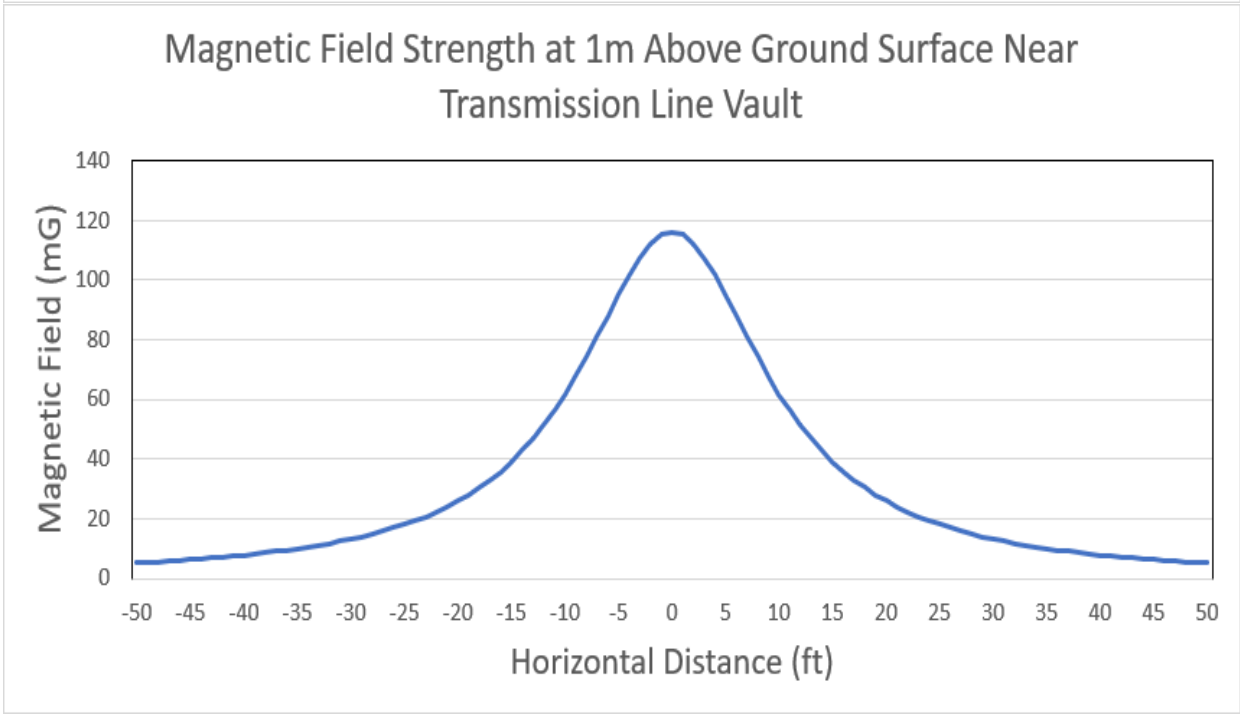
IPAC USER CONTACT INFORMATION

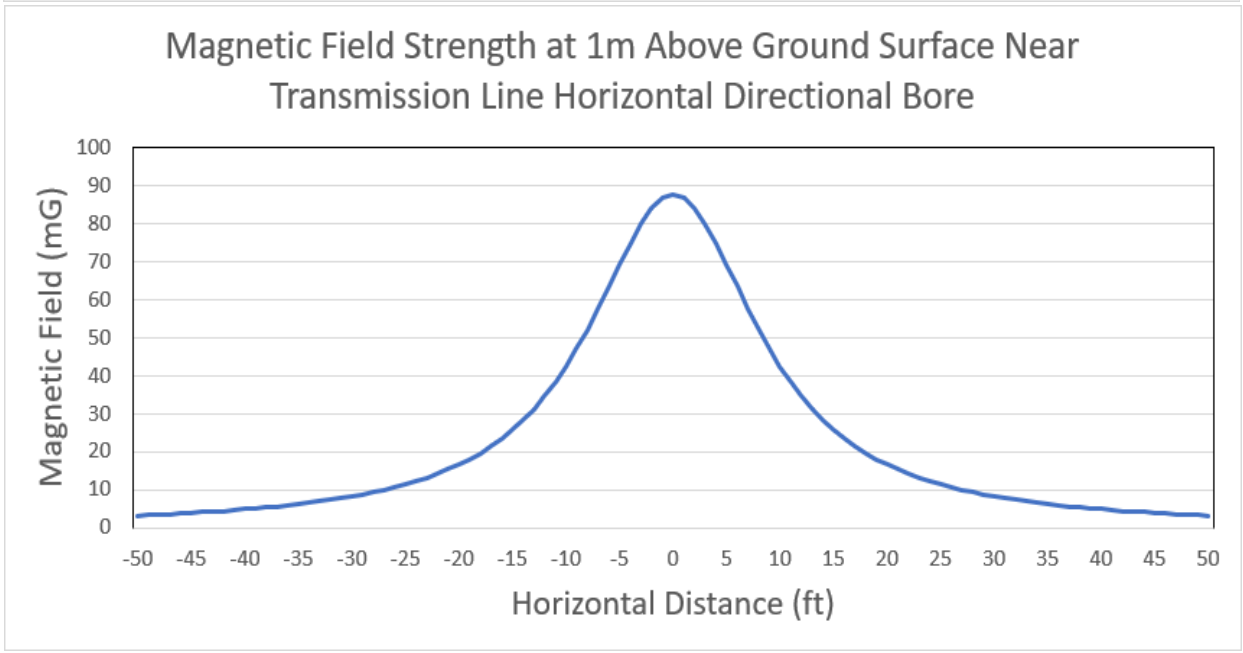
Agency: Vanasse Hangen Brustlin, Inc.
Name: Anna Loss
Address: 100 Great Meadow Road
City: Wethersfield
State: CT
Zip: 06109
Email aloss@vhb.com
Phone: 8606341878

ATTACHMENT 6

EMF GRAPH


Magnetic Field Strength at 1m Above Ground Surface Near Transmission Line Trench Section
Magnetic Field (mG)
140
120
100
80
60
40
20
0
-50 -45 -40 -35 -30 -25 -20 -15 -10 -5 0 5 10 15 20 25 30 35 40 45 50
Horizontal Distance (ft)


Magnetic Field Strength at 1m Above Ground Surface Near Transmission Line Vault
Magnetic Field (mG)
140
120
100
80
60
40
20
0
-50 -45 -40 -35 -30 -25 -20 -15 -10 -5 0 5 10 15 20 25 30 35 40 45 50
Horizontal Distance (ft)


Magnetic Field Strength at 1m Above Ground Surface Near Transmission Line Horizontal Directional Bore
Magnetic Field (mG)
100
90
80
70
60
50
40
30
20
10
0
-50 -45 -40 -35 -30 -25 -20 -15 -10 -5 0 5 10 15 20 25 30 35 40 45 50
Horizontal Distance (ft)

ATTACHMENT 7

LETTER TO ABUTTERS AND AFFIDAVIT OF NOTICE

Underground Cable Modernization Program | EVERSOURCE

P.O. Box 270
Hartford, CT 06141

December 29, 2023

Dear Neighbor,

At Eversource, we're always working to serve you better. We are submitting a petition to the Connecticut Siting Council (CSC) for a proposed underground transmission cable replacement project in your area.

Proposed Project Information

You're receiving this letter because project work will be taking place on or near your property. The majority of the proposed Project route is located within the roadway or in areas where we have easement agreements in place on private property.

This Project is part of a larger program Eversource is conducting throughout its service territory called the Underground Cable Modernization Program (UCMP). In the Hartford area, the affected lines are the 1704 and 1722 underground transmission lines, which run from Southwest Hartford Substation to South Meadow Substation and from Southwest Hartford Substation to Northwest Hartford Substation, all within the City of Hartford. Both the 1704 line and the1722 line need replacement due to their age. The new lines are an upgrade to the system technology, and they have a greater life expectancy.

The proposed Project includes:

- Select vegetation removal;
- Installation of approximately 6.7 miles of new 115-kV circuit cross-linked polyethylene (XLPE) underground transmission lines, which would be contained within concrete-encased duct banks (consisting of several polyvinyl chloride (PVC) conduits), as well as concrete pull-through and splice vaults;
- Installation of two fiber-optic cables within the duct bank for monitoring and control purposes;
- Micro Tunnel beneath the South Branch of the Park River to the north of Hamilton Street to accommodate installation of a section of the new lines;
- Attaching the new underground cable to a bridge on the North Branch of the Park River on Albany Ave.;
- Minor modifications at the Southwest Hartford, Northwest Hartford and South Meadow Substations, including installation of new termination structures at South Meadow Substation, Northwest Hartford Substation & Southwest Hartford Substation;
- Retiring existing 115-kV high-pressure fluid-filled (HPFF) underground transmission lines;
- Restoration of affected areas, including pavement.

The Transmission Lines are to be installed utilizing best available technology to minimize environmental and neighborhood disruptions. To maintain electric reliability, the replacement lines must be constructed and in service prior to de-energizing the existing lines. Please note there are no interruptions to electric service expected as part of this proposed Project.

Continued on back

What You Can Expect

Pending all necessary approvals for this proposed work, construction is expected to begin in mid-2024. We anticipate to complete construction in late-2026 and complete decommissioning and restoration of affected areas by the end of 2027.

For More Information

Eversource is committed to being a good neighbor and doing our work with respect for you and your property. For more information, please call our projects hotline at 1-800-793-2202 or send an email to ProjectInfo@eversource.com.

If you would like to send comments regarding Eversource's petition to the CSC, please send them via email to siting.council@ct.gov or send a letter to the following address: Melanie Bachman, Executive Director, Connecticut Siting Council, Ten Franklin Square, New Britain, CT 06051.

Sincerely,

Chris Cotronei

Chris Cotronei

Senior Project Manager, Eversource Energy

Scan the QR code to check out our Project Website

Underground Cable Modernization Program | EVERSOURCE

P.O. Box 270
Hartford, CT 06141

29 de deciembre de 2023

Estimado/a vecino/a:

En Eversource, siempre trabajamos para brindarle lo mejor. Presentamos una petición al Consejo de emplazamiento de Connecticut (CSC, por sus siglas en inglés) para un proyecto de reemplazo de cable de transmisión subterráneo en su área.

Información sobre el proyecto propuesto

Usted recibe esta carta porque se van a realizar obras en su propiedad o cerca de ella. La mayor parte del trazado del proyecto propuesto se encuentra dentro de la calzada o en zonas en las que tenemos acuerdos de servidumbre en propiedad privada.

Este proyecto forma parte de un programa más amplio que Eversource está llevando a cabo en todo su territorio de servicio denominado Programa de Modernización del Cableado Subterráneo (UCMP, por sus siglas en inglés). En la zona de Hartford, las líneas afectadas son las líneas de transmisión subterráneas 1704 y 1722, que van de la subestación Southwest Hartford a la subestación South Meadow y de la subestación Southwest Hartford a la subestación Northwest Hartford, todas ellas dentro de la ciudad de Hartford. Tanto la línea 1704 como la línea 1722 deben ser sustituidas debido a su antigüedad. Las nuevas líneas suponen una mejora de la tecnología del sistema y tienen una mayor vida útil.

El proyecto propuesto incluye:

- Remoción de vegetación seleccionada.
- Instalación de un circuito de aproximadamente cinco millas de nuevas líneas de transmisión subterráneas de 115 kV de polietileno reticulado (XLPE), que estarán contenidas en bancos de ductos recubiertos de hormigón (que constan de varios conductos de cloruro de polivinilo [PVC]), además de cámaras de hormigón de paso o empalmado.
- Instalación de dos cables de fibra óptica dentro del banco de ductos con fines de monitoreo y control.
- Microtúnel por debajo de la rama sur del Park River hacia el norte de Hamilton Street, para contener la instalación de una parte de las líneas nuevas.
- Unión del nuevo cable subterráneo a un puente en la rama norte del Park River, en Albany Ave.
- Modificaciones menores en las subestaciones de Southwest Hartford, Northwest Hartford y South Meadow, incluyendo la instalación de nuevas estructuras de terminación en las subestaciones de South Meadow, Northwest Hartford y Southwest Hartford.
- Desmantelamiento de las líneas de transmisión subterránea de 115 kV existentes, de alta presión, rellenas de líquido (HPFF).
- Restauración de las áreas afectadas, incluyendo el pavimento.

Las líneas de transmisión se van a instalar usando la mejor tecnología disponible, para minimizar los inconvenientes ambientales y las molestias en los vecindarios. Para mantener la confiabilidad eléctrica, antes de quitar la energía a las líneas existentes se deben construir y poner en servicio las líneas de reemplazo. Tenga en cuenta que no se prevén interrupciones del servicio eléctrico como parte de este Proyecto propuesto.

Sigue al dorso

Qué puede esperar

Sujeto a todas las aprobaciones necesarias para este trabajo propuesto, se prevé que la construcción comience a mediados de 2024. Prevemos terminar la construcción a fines de 2026 y terminar el desmantelamiento y la restauración de las áreas afectadas para el final de 2027.

Para obtener más información

En Eversource, nos comprometemos a ser buenos vecinos y a realizar nuestro trabajo respetándolo a usted y a su propiedad. Para obtener más información, llame a nuestra línea directa de proyectos al 1-800-793-2202 o envíe un correo electrónico a ProjectInfo@eversource.com.

Si desea enviar comentarios acerca de la petición de Eversource al CSC, hágalo por correo electrónico a siting.council@ct.gov o por carta a la siguiente dirección: Melanie Bachman, Executive Director, Connecticut Siting Council, Ten Franklin Square, New Britain, CT 06051.

Atentamente,

Chris Cotronei

Chris Cotronei

Gerente de proyecto, Eversource Energy

Escanee el código QR para ver el sitio web de nuestro proyecto

AFFIDAVIT OF SERVICE OF NOTICE

STATE OF CONNECTICUT)
) ss. Hartford
COUNTY OF HARTFORD)

Sec. 16-50j-40 of the Regulations of Connecticut State Agencies ("RCSA") provides that proof of notice to the affected municipalities, property owners and abutters shall be submitted with a petition for declaratory ruling to the Connecticut Siting Council ("Council"). In accordance with that RCSA section, I hereby certify that I caused notice of the petition for a declaratory ruling of The Connecticut Light and Power Company doing business as Eversource Energy to be served by mail or courier upon the following municipal officials:

Mayor Luke Bronan
City of Hartford
Hartford City Hall
550 Main Street
2nd Floor, Room 200
Hartford, CT 06103

I also certify that I caused notice of the proposed modifications to be served by mail or courier upon owners of abutting properties shown on Attachment 1 to the Petition.

Christopher J Cotronei
Christopher Cotronei
Project Manager

On this the 29th day of December 2023, before me, the undersigned representative, personally appeared, Christopher Cotronei, known to me (or satisfactorily proven) to be the person whose name is subscribed to the foregoing instrument and acknowledged that he executed the same for the purposes therein contained.

In witness whereof, I hereunto set my hand and official seal.

Notary Public/My Commission expires:_____

Officer of the Superior Court/ Juris No.: Andrew W. Lo 413393