Rochester Gas and Electric Corporation

Rochester Transmission Project Enhancement

Exhibit 4

Environmental Impacts

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TABLE OF CONTENTS

Section **Page**

EXHIBIT 4: ENVIRONMENTAL IMPACTS 1

4.1 Introduction 1

4.1.1 Project Description 1

4.1.2 Proposed Supplemental Property Rights 2

4.1.3 Proposed Overhead Transmission Line Construction 2

4.1.4 Clearing 2

4.1.5 Access Roads 3

4.1.6 Construction Marshaling Yards or Staging Areas 4

4.1.7 Construction and Upland Installation 5

4.1.8 Structure Installation in Wetland Areas 6

4.1.9 Direct Embedded Pole Installation 7

4.1.10 Concrete Foundation and Pole Installation 7

4.1.11 Conductor Stringing 8

4.1.12 Clean-up and Restoration 9

4.2 Land Use 9

4.2.1 Existing Land Uses 9

4.2.2 New York State Open Space Conservation Plan 11

4.2.3 Local Land Use Planning and Policies 12

4.2.4 Floodplains 13

4.2.5 Agricultural Districts 14

4.2.6 Land Use Impacts and Mitigation 14

4.3 Visual Resources 15

4.3.1 Existing Landscape Quality 15

4.3.2 Visual Resource Inventory of Historic Areas, Parks, and Preserves 15

4.3.3 Local Recreation Sites 20
4.3.4 Visual Impacts and Mitigation 23
4.3.5 Digital Simulations 25
4.4 Cultural Resources 25
4.4.1 Existing Setting 25
4.4.2 Cultural Impacts and Mitigation 32
4.5 Terrestrial Ecology and Wetlands 33
4.5.1 Vegetation 34
4.5.2 Wetlands 36
4.6 Wildlife 39
4.6.1 Wildlife Impacts and Mitigation 43
4.7 Threatened and Endangered Species 44
4.7.1 Threatened and Endangered Species Effects and Mitigation 44
4.8 Topography and Soils 44
4.8.1 Topography 44
4.8.2 Geology 45
4.8.3 Soils 46
4.8.4 Geological Impacts and Mitigation 47
4.9 Water Resources 48
4.9.1 Affected Environment 48
4.9.2 Water Resource Effects and Mitigation 50
4.10 Noise 52
4.10.1 State Noise Standards 52
4.10.2 Permanent Noise Effects 54
4.10.3 Temporary Noise Effects 54

4.10.4 Noise Effects & Mitigation 56
4.11 Electromagnetic Fields 57
4.12 References 57

* * * * *

LIST OF TABLES

Table 4-1 Land Use within the Project ROW 4-10
Table 4-2 Bond Act Properties within Three Miles of the Project 4-20
Table 4-3 Local Recreation Sites within Three Miles of the Project 4-21
Table 4-4 Native American Precontact Archaeological Sites within Three Miles of the Project 4-27
Table 4-5 Historic Euro-American Archaeological Sites within Three Miles of the Project 4-30
Table 4-6 New York State and National Register of Historic Places Historic Districts 4-31
Table 4-7 Community Cover Types Intersecting the Project ROW 4-34
Table 4-8 NYSDEC-Regulated Wetlands within the Project Area 4-37
Table 4-9 Delineated Wetlands within the Project ROW 4-38
Table 4-10 Summary of Representative Wildlife Reasonably Expected to Occur in the Project Area and Adjacent Areas 4-42
Table 4-11 Unique Geological Features within Three Miles of the Project 4-46
Table 4-12 NRCS-Mapped Soils within the Project ROW in Monroe County 4-46
Table 4-13 NYSDEC-Mapped Streams Located within the Project ROW 4-49
Table 4-14 Delineated Streams within the Project ROW 4-50
Table 4-15 Sound Levels of Common Noise Sources 4-53
Table 4-16 Typical Construction Noise Levels at 50 feet from Residential Rear Yards 4-55
Table 4-17 Typical Construction Noise Levels at 150 feet from Residences 4-56

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LIST OF FIGURES

Figure 4-1 FEMA Floodplains

Figure 4-2 Agricultural Districts

Figure 4-3 Visual Simulations

Figure 4-4 USFWS NWI and NYSDEC Wetlands

Figure 4-5 Soils – Depth to Bedrock

Figure 4-6 Hydric Soils

Figure 4-7 Farmland Soils Classification

Figure 4-8 NYSDEC Mapped Streams and Surface Waterbodies

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LIST OF ATTACHMENTS

Attachment 4-A Agency Correspondence

Attachment 4-B EMF Report

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EXHIBIT 4: ENVIRONMENTAL IMPACTS

4.1 Introduction

The Rochester Transmission Project Enhancement (RTP Enhancement or the Project) will be designed, constructed, maintained, and operated to avoid or minimize impacts to environmental resources in the vicinity of the Project. A combination of agency consultation (Attachment 4-A – Agency Correspondence), literature reviews, Geographic Information System (GIS) analysis, and field investigations were conducted to determine the existing conditions of the environment in the Project Area in the following categories:

- Land Uses
- Visual Resources
- Cultural Resources
- Terrestrial Ecology and Wetlands
- Wildlife
- Threatened and Endangered Species
- Topography and Soils
- Water Resources
- Noise
- Electromagnetic Fields

This exhibit describes existing conditions, study methodologies, the anticipated impacts of the Project on environmental, visual, and socioeconomic resources, and appropriate measures to avoid impacts or to mitigate unavoidable impacts.

4.1.1 Project Description

The Project will be located in Rochester Gas and Electric's (RG&E's or the Applicant's) Rochester service area (see Exhibit 2, Figure 2-2). The Project Area is depicted in Exhibit 2, Figure 2-3, and Exhibit 5, Figure 5-2 contains cross-sections of the Project Right-of-Way (ROW).

4.1.2 Proposed Supplemental Property Rights

Generally, it will not be necessary for the Project to acquire greenfield ROW, with the exception of a small greenfield area where colocation within the Existing ROW is not feasible. The greenfield area is adjacent to existing RG&E ROW between Trabold Road and the CSX ROW.

In a number of other area, widening of the Existing ROW is necessary to accommodate the Project and maintain required clearances. The Applicant will also acquire additional rights outside of the Project ROW to selectively remove danger trees.

4.1.3 Proposed Overhead Transmission Line Construction

Construction of the Project will entail several distinct construction activities that will typically progress in a linear and orderly manner from one point to another along the entire length of the Project. The overall construction schedule will be based on outage constraints and the corresponding sequencing of construction activities aimed at maximizing work efficiency and minimizing environmental impacts and disturbance. The general construction activities that will occur are described in the following sections.

4.1.4 Clearing

Trees and shrubs within the Project Area will be mowed or cleared as necessary to provide unimpeded and safe access to proposed structure work sites. In addition, danger trees will be side trimmed or removed. Shrubs and low growing vegetation, as well as buffers at streams or in visually sensitive areas, may be maintained if they do not interfere with the construction activities or operational integrity of the line.

The Existing ROW has been maintained by RG&E in accordance with its long-range ROW management plan approved by the New York State Public Service Commission (the Commission) and has well established herbaceous and shrub communities. These plans have been formulated to take into account soil stability, protection of natural vegetation, and the protection of adjacent resources (including the protection of any natural habitat for wildlife). Upon the completion of construction, the New ROW will be maintained under the Applicant's ROW management plan, as may be amended from time to time, to allow the same herbaceous

and shrub cover type that presently occurs on the Existing ROW. The clearing required for the Project is not anticipated to cause a significant overall change or have a noticeable overall effect on the vegetative communities presently occurring along the Project ROW. The specific clearing and vegetation management techniques and slash disposal techniques to be used for the Project will be implemented using Best Management Practices (BMPs) and will be prescribed on a site-by-site basis in the Environmental Management and Construction Plan (EM&CP), to be develop specifically for the construction of the Project. No herbicide/pesticide treatment is proposed during construction but may be utilized for routine maintenance in accordance with the ROW management plan.

In addition, the measures to be used to prevent or control the transport of invasive plant species will be prescribed in the EM&CP. Particular consideration will be afforded to the handling and disposal of ash trees in accordance with the New York State Department of Environmental Conservation (NYSDEC) regulations and applicable quarantine orders relative to the Emerald Ash Borer.

4.1.5 Access Roads

Existing access roads or paths in the Project ROW will be utilized wherever possible and will be improved as required to provide safe and effective equipment access to each structure location. In some limited cases, it may become necessary to work with adjacent landowners to secure permission for off Project ROW access to support the construction activities.

Significant environmental impacts to vegetation, water, and soil resources will be avoided to the extent possible by using existing access roads or paths and by properly locating any new access roads that may be required. The use of existing access roads or paths and the siting of new access roads will be based on factors such as: the avoidance of environmentally sensitive features (e.g., wetlands and agricultural fields); facilitation of future maintenance work; minimization of potential erosion problems; and maximization of the use of existing roadways and cleared existing ROWs. Where site conditions such as streams and wetlands present a concern on the Project ROW, off Project ROW access will be considered to avoid or minimize impacts. Permission for off Project ROW access will be obtained from landowners if existing rights do not already provide for such access. Whether on or off Project ROW, if it becomes necessary to

cross environmentally sensitive areas, such as wetlands, protection and mitigation measures such as the use of tracked equipment and equipment mats will be implemented in accordance with the EM&CP. All stream crossings identified in the EM&CP will be installed in accordance with NYSDEC's Standard Specifications for Temporary Access Waterway Crossing, unless otherwise noted in the EM&CP. In addition, all areas disturbed during construction will be restored and stabilized, and all temporary protection measures will be removed following the completion of construction.

The details for the construction of new access roads, the use of existing roads, and the application of erosion and sediment control measures will be provided on a site-by-site basis in the EM&CP. Erosion and sediment control measures will be designed to maintain and protect soil and water resources both during and following construction activities. Factors considered when selecting the appropriate erosion and sediment control measures include, but are not limited to: timing of construction; accessibility; movement and frequency of construction traffic within the Project ROW; wetland and stream crossings; type and limitations of heavy equipment; and the creation, stabilization and future maintenance of access roads (e.g., cut and fill, waterbar, bridge, and culvert installation). During operation of the transmission lines, similar erosion and control measures will be employed during maintenance activities. Typically, both on and off Project ROW access used for the construction of the Project will also be used to facilitate future maintenance activities.

4.1.6 Construction Marshaling Yards or Staging Areas

Prior to construction, it will be necessary to establish areas that will serve as locations for construction-related facilities such as:

- Office trailers;
- Personnel parking and portable sanitary facilities;
- Material, equipment and vehicle storage; and
- Minor equipment and vehicle maintenance.

These areas, referred to as construction marshaling yards or staging areas, will be strategically placed at selected locations along or adjacent to the Project ROW or at selected off-ROW

locations. These sites will normally be located adjacent to existing public roads where material deliveries can be efficiently conducted.

These areas will be located to avoid environmentally sensitive features including wetlands, known archaeological sites, and habitats that support rare, threatened, and endangered plants and animals.

The location of construction marshaling yards or staging areas will be identified prior to or during final design and presented in the EM&CP. Each area will be of sufficient size to accommodate the materials to be delivered and will serve as a major storage yard for materials such as poles, hardware, and conductors delivered from outside the region. Arrangements may be made with landowners to use locally available and developed commercial properties thereby minimizing the amount of site preparation and improvement work that would be needed to use an undeveloped site. If such properties or sites are not available, the establishment of these areas could require vegetation clearing, removal and stockpiling of topsoil, site grading, spreading of gravel cover, fencing, and installation of temporary utilities. Additional vegetation clearing and grading for site access also may be required. After completion of construction, the marshaling yards and staging areas will be restored to conditions comparable to those that existed before construction unless an affected landowner desires otherwise.

4.1.7 Construction and Upland Installation

The primary construction activities at each new structure location will be foundation installation, structure fabrication and structure erection. The steel monopole structures constructed as part of the Project will either be direct embedded or will utilize a concrete caisson foundation, the determination of which will be made during detailed engineering. These major activities, as well as all other minor activities associated with the erection of each structure, will take place within the Project ROW and other work areas specifically designated in the EM&CP.

The placement of transmission line structures in stream and wetland areas and on steep slopes will be avoided where possible. Transmission line structures will not be located within any identified archaeological sites or other sites sensitive to disturbance, such as locations supporting rare plants, where feasible. Advance planning will assure that tree cutting and brush disposal are

properly conducted; equipment operation and construction activities are limited to designated areas; the appropriate erosion control measures are applied; and tree marking and selective cutting in the natural vegetative buffers precedes structure placement.

4.1.8 Structure Installation in Wetland Areas

Structure locations will be determined in a manner that avoids wetland areas as much as possible. When it is necessary to locate structures within the limits of a wetland, special construction methods and environmental procedures will be employed to minimize adverse effects and protect the individual functions of the wetland. Wetlands will be individually reviewed to determine the best method of access to each structure and to prescribe the appropriate mitigation measures, such as the use of equipment mats.

Typically, temporary equipment mats will be utilized for structures in wetlands. The mats are used for access to the wetlands and as work pads. They minimize ruts, soil compaction, as well as erosion and sedimentation displacement. Additionally, the mats provide a level, stable work area to set up and operate the equipment necessary for the installation and erection of the steel pole structures. After the area has been prepared, work will begin with excavating holes for the new pole structure using an auger or an excavator. In wetland areas, topsoil will be segregated from subsoil and stockpiled on construction matting or geo-textile fabric.

The steel monopoles will be installed by excavating a narrow hole. Segregated subsoil will be stockpiled adjacent to the excavation. After excavating a narrow hole, a corrugated "grounding" culvert will be lowered into the excavation with a crane or excavator and the area around the culvert will be backfilled with the excavated subsoil, as necessary. The steel pole will then be lowered into the culvert and backfilled between the pole and the vertical culvert with crushed stone.

The work area will be re-contoured to approximate pre-construction conditions. Segregated wetland topsoil will be replaced over the grounding culvert and allowed to re-vegetate with wetland vegetation. Excess soil will be transferred to an upland area in the Project Area or to an off-site, upland location.

Details regarding the size and location of each work area as well as the mitigation measures that will be used to minimize impacts on the wetland will be provided in the EM&CP.

4.1.9 Direct Embedded Pole Installation

Steel pole structures supporting the Proposed Line 949 will be installed by directly embedding the poles into the ground. Typically, no concrete will be required for a directly-embedded tangent structure. Foundation backfill may be native earth, if suitable, or crushed stone. Excavated material not used for backfill will be placed in areas that do not interfere with established drainage patterns and will be stabilized by seeding.

Foundation design for dead-end and angle structures will consider site-specific soil bearing capacities and subsurface conditions through individual boring investigations at those locations. Where needed, steel angle or dead-end structures will be self-supporting and will require reinforced concrete (drilled caisson) foundations. Specific foundation requirements will be determined through geotechnical analysis conducted as part of the detailed design phase.

4.1.10 Concrete Foundation and Pole Installation

Use of concrete caisson foundations for steel pole structures will be determined during the detailed design phase. Concrete caisson foundations will include installation of an anchor bolt assembly to support the pole. The concrete foundation construction typically involves the excavation of an 8- to 12-foot diameter hole to accommodate a 6- to 10-foot diameter foundation. Holes are typically excavated to a depth of 20 to 40 feet. Foundations may be excavated with a large drilling machine, a tire-mounted backhoe, or track excavator. Erosion and sediment control measures will be prescribed in the EM&CP, to prevent runoff from reaching areas adjacent to the work site.

Where concrete foundations must be located in wetlands, excavated topsoil and subsoil will be segregated and temporarily stockpiled on construction matting or geo-textile fabric and a culvert form will be placed into the excavated hole. Native soil backfill will be placed around the foundation and the segregated topsoil will be spread over the disturbed areas and mulched.

Excess soil will be spread in appropriate upland areas within the Project Area, if permissible, and seeded and mulched to prevent erosion. If soil redistribution within the Project Area is not possible it will be removed from the site in compliance with applicable regulations.

If it appears that the initial excavation or the pouring of concrete into the caisson form will result in a discharge of water, specific dewatering procedures will be employed. Water will be pumped from the excavation area into a containment area that will be situated in an upland location, as feasible. The containment area will be constructed of straw bales and geo-textile fabric and will be consistent with the EM&CP erosion and sediment control criteria. The water will then be allowed to infiltrate back into the ground or filter through and/or overtop the straw bale dike.

After the concrete has been poured and cured and the steel poles have been set, disturbed areas will be finish-graded, seeded appropriately for summer or winter conditions, and mulched. In wetland areas where grades have the potential to cause erosion, annual rye seed will be spread over disturbed soils to provide rapid germination of vegetation.

4.1.11 Conductor Stringing

After the structures are erected, insulators will be installed and conductor and lightning wire protection (shield wire) will be strung using a lead line and puller/tensioner machine. Lead lines can be walked through sensitive areas such as wetlands and vegetative buffer zones with minimum disruption. Conductors will be pulled through stringing blocks by the tensioning equipment that is staged at appropriate structure locations. During conductor stringing, temporary guard structures will be placed at all highways, railroads, trails, and near existing utility lines to ensure public safety and the continued operation of other utility equipment.

Conductor stringing sites will be designated at selected structure sites on the Project Area. Such sites will involve set-up and operation of mechanized pulling equipment and conductor reels. Wetlands and other sensitive environmental sites will generally be avoided in locating such sites. If they cannot be avoided, temporary equipment mats or other appropriate protective measures will be implemented, as specified in the EM&CP.

4.1.12 Clean-up and Restoration

Clean-up and restoration activities will be conducted as required. Sites requiring restoration as a result of the construction work will be identified and the appropriate restoration measures applied in accordance with the EM&CP. This work may include re-grading, repair of stream banks, temporary and permanent seeding and mulching for erosion control, and selective tree and shrub plantings. All permanent seeding and planting work will be conducted during the growing season.

4.2 Land Use

This section summarizes existing land uses in the Project Area and demonstrates that the Project preserves the natural landscape and minimizes conflict with present or future land use to the maximum extent practicable.

4.2.1 Existing Land Uses

The Project ROW starts at Station 418 in the Town of Gates and terminates at Station 48 in the City of Rochester, all in Monroe County, New York. According to the New York State Department of Taxation and Finance Office of Real Property Tax Services (ORPTS), most of the Project ROW is on or along utility-owned and railroad-owned public service tax parcels. These parcels already contain railroad or transmission facilities within existing ROWs.

The area near Station 418 includes a mix of vacant, public service, industrial, and residential parcels. There is one vacant agricultural farm parcel located 100 feet south of the Project which will not be impacted by the Project. From Station 418, the Project ROW follows existing RG&E ROW heading southeast. South of the existing RG&E ROW is a National Grid owned utility corridor with bulk overhead electric lines. North of the RG&E ROW are primarily suburban residential properties with a few parcels of industrial, commercial, and vacant land.

At Trabold Road, the Project ROW travels adjacent to, and north of, an existing RG&E utility corridor. The parcel immediately to the north is classified by the ORPTS as vacant industrial land. This parcel contains NYSDEC regulated wetland GT-4.

The Project ROW then travels northeast in and along parcels classified by the ORPTS as public service parcels including an existing active CSX ROW and RG&E ROW. North of the Project ROW there are commercial, vacant, and industrial properties, including a mine/quarry (Rochester Asphalt Materials/Dolomite Products). South of the Project ROW is vacant land with scattered suburban residential and industrial parcels. This section of the ROW continues northeast to cross I-490 and I-390.

The Project ROW continues north, then turns east following an RG&E ROW. The utility-owned public service parcel includes bulk overhead electric lines and is surrounded by industrial and commercial parcels. This portion of the Project ROW crosses the Erie Canal and the Erie Canal Heritage Trail, located in an ORPTS-defined community service parcel and Town of Gates-owned vacant land parcel, respectively. The Project ROW then enters the City of Rochester and is surrounded by ORPTS-defined public service, vacant land, and industrial parcels.

The Project ROW travels north along an active R&S ROW and existing RG&E ROW until its terminus at Station 48. Land parcels in this area, including Station 48, are largely industrial with some residential and commercial properties. The proposed expanded portion of Station 48 is on a parcel categorized by ORPTS as commercial, which is currently a parking lot for the nearby General Motors plant.

Table 4-1 quantifies the approximate lengths of Project ROW within each ORPTS property type classification code.

Table 4-1 Land Use within the Project ROW

Land Use Code	Land Use Description	Mileage
100	Agricultural	0
200	Residential	0.08
300	Vacant Land	1.6
400	Commercial	0.41
500	Recreation & Entertainment	0
600	Community Services (education, parking lots, hospitals, cultural and recreational etc.,)	0.07

Land Use Code	Land Use Description	Mileage
700	Industrial	0.68
800	Public Services (water, telephone, transportation, communication, electric and gas, pipelines, landfills etc.,)	3.47
900	Wild, Forested, Conservation Land, and Public Parks	0
000	Undesignated	0.39
TOTAL		**6.7**

Existing land use in Table 4-1 is based on the most up-to-date ORPTS classifications and Monroe County tax parcel information, including the property type classification codes for land use.

Additional resources to determine existing land uses in areas adjacent to, or traversed by, the Project include:

- Field reconnaissance surveys performed in 2019;
- 2018 Google Earth satellite/aerial imagery;
- United States Geologic Survey (USGS) 1:24,000 topographic quadrangle maps (USGS, 2019a);
- New York State Department of Transportation (NYSDOT) planimetric maps; and,
- Monroe County's GIS interactive mapping (Monroe County, 2019).

4.2.2 New York State Open Space Conservation Plan

The 2016 *New York State Open Space Conservation Plan* (2016 Plan) contains comprehensive recommendations to help local governments and non-profit organizations undertake open space land use planning at regional and community levels.

New York State's open space conservation goals as listed in the 2016 Plan include:

- Protect state water quality;
- Provide accessible, quality, outdoor recreation, and open space;
- Protect habitat for the diversity of plant and animal species;

- Improve quality of life and overall health in our communities;
- Maintain critical natural resource-based industries;
- Address global climate change by encouraging more compact community design patterns and through sustainable stewardship of our forests;
- Address climate change by protecting our coastlines, broad riparian corridors and wetlands and by adding to the tree canopy in our urban centers and urban communities;
- Maintain an interconnected network of protected lands and waters;
- Protect habitat to sustain the traditional pastimes of hunting, fishing, trapping, and wildlife viewing;
- Provide places for education and research relating to ecological, environmental and cultural resources;
- Protect and enhance scenic, historic, and cultural resources;
- Strategically preserve, restore, and/or create a matrix of natural systems sufficiently complex and interconnected to be self-sustaining;
- Improve quality of life with targeted green infrastructure; and
- Identify, sustain, and rebuild natural lands, features, and systems that prevent or buffer impacts to life and property from extreme weather events (NYSDEC 2016).

The 2016 Plan divides New York State into nine regions. The Project is located entirely within Region 8: Western Finger Lakes. The 2016 Plan includes a list of 132 regional priority conservation projects across the State, none of which are in the vicinity of the Project. Although Statewide Priority Conservation Project 135: New York State Canal System is in the vicinity of the Project Area, this resource will not be affected by the Project.

The Project will be in conformance with, and not affect the goals of, the 2016 Plan.

4.2.3 Local Land Use Planning and Policies

A review of the available local planning documents confirms that Project activities are consistent with relevant municipal long-term land use goals.

Town of Gates – Master Plan 2017

The Town of Gates *Master Plan* was adopted in December 2017 and "provides all local boards of the town with a definite set of goals, objectives and policies for guiding future growth, a general physical design for the town and, through the zoning and subdivision ordinances, methods for carrying out these objectives and policies" (Town of Gates, 2017a).

The Project will not interfere with the goals and objectives outlined in the Town of Gates *Master Plan*.

Town of Gates – Recreation and Parks Department 5-Year Master Plan 2017

The Town of Gates *Recreation and Parks Department 5-Year Master Plan* presents a plan of action for future Recreation and Parks Department programs and facilities (Town of Gates, 2017b). The plan includes an inventory of existing facilities, describes areas in need of improvement, and provides yearly cost estimates and potential funding sources.

The Project will not interfere with the goals and objectives outlined in the Town of Gates *Recreation and Parks Department 5-Year Master Plan*. Table 4-3 provides an inventory of the existing parks and recreation areas within a three mile radius of the Project.

4.2.4 Floodplains

Mapped FEMA resources were reviewed in relation to the Project for the following zones:

- Regulatory Floodway
- Special Flood Hazard Area (SFHA or the 100-year flood plain)
- 0.2 percent Annual Chance Flood Hazard Area (500-year flood plain)

FEMA's Flood Insurance Rate Maps (FIRMs) show flood risk information based on historic, meteorological, hydrologic, and hydraulic data, as well as open-space conditions, flood control works, and development (FEMA, 2019).

A Regulatory Floodway is the channel of a river or other watercourse and the adjacent land areas that must be reserved in order to discharge the base flood without cumulatively increasing the water surface elevation more than a designated height. According to FEMA's published FIRM for each community, the Project does not traverse any Regulatory Floodways.

The 100-year flood plain (SFHA) has a one percent annual chance of flooding. According to FEMA's published FIRM for each community, the Project ROW traverses the SFHA at three locations. In the Town of Gates, the Project ROW traverses approximately 3,831 linear feet of land determined to be within the SFHA associated with the Little Black Creek and its tributaries. Also in the Town of Gates, the Project ROW traverses approximately 883 linear feet of the SFHA associated with a large State and Federal wetland complex in the vicinity of Pixley and Howard Roads. In the City of Rochester and Town of Gates, the Project ROW crosses the approximately 128-foot wide SFHA associated with the Erie Canal.

The Project ROW also traverses areas determined to be within the 500-year flood plain (Figure 4-1).

The Project is not anticipated to have an adverse impact on the floodplains. The new structures will have a minimal footprint and will not appreciably change the ground or floodwater elevation.

4.2.5 Agricultural Districts

Monroe County Agricultural District mapping was reviewed to determine if the Project traverses any portion of a certified Agricultural District. Agricultural Districts in Monroe County are shown on Figure 4-2 (NYSDAM, 2019). The Project does not traverse any parcel within an Agricultural District.

4.2.6 Land Use Impacts and Mitigation

The Applicant does not anticipate any significant overall changes to existing land use and associated environmental resources. The Project Area was selected to avoid and minimize to the greatest extent possible impacts to land use, predominantly by locating Project facilities in or

along Existing ROWs throughout its length. Pursuant to the Commission's regulations, the Project preserves the natural landscape and minimizes conflict with any present or future planned land use. Thus, no mitigation for impacts to land use proposed.

4.3 Visual Resources

This section examines the visual and aesthetic impacts on scenic, recreational, and historical areas from the construction and operation of the Project and identifies and examines the visual resources and the visual qualities of the landscape within a three-mile radius of the Project.

4.3.1 Existing Landscape Quality

The Project is located in the Town of Gates and City of Rochester, Monroe County, New York within and adjacent to existing utility and railroad ROWs.

4.3.2 Visual Resource Inventory of Historic Areas, Parks, and Preserves

Visual resources are landscape areas and features that are significant because of either their inherent visual quality or cultural importance, including: naturally occurring landscapes; natural features; manmade features; designated recreational and scenic areas; and landscapes that demonstrate historical significance.

The NYSDEC's Program Policy, Assessing and Mitigating Visual Impacts, identifies fifteen categories of aesthetic resources of statewide significance which have been recognized through either national or state designations (NYSDEC 2000). The fifteen categories are described below and were inventoried within a radius of three miles of the Project. Of the fifteen categories of visual resources, only four were found within three miles of the Project Area:

- Historic Resources;
- Urban Cultural Parks;
- The National Park System; and
- State or Federally Designated Trail.

Categories

1) Historic Resources.

A review of the National Park Service (NPS) National Register of Historic Places (NRHP) database and the files maintained by the New York State Office of Parks, Recreation, and Historic Preservation (OPRHP) identified a total of 2,988 historic architectural properties and 38 historic districts within three miles of the Project. These historic resources are listed or eligible for listing in either the State Register of Historic Places (State Register) or the NRHP. The locations of these historic/cultural resources are generally shown on Figure 2-1 and discussed in more detail in Section 4.4.

Of the historic properties within one mile of the Project, 215 are associated with historic districts. The known historic districts located within one mile of the Project are:

- New York State Barge Canal Historic District, Rochester, Monroe County, Listed;
- Holy Apostles R.C. Church Complex, Rochester, Monroe County, Eligible;
- Maplewood Historic District, Rochester, Monroe County, Listed;
- Houses at 12-28 Curtis Street Historic District, Rochester, Eligible;
- Ingleside & Thurston Historic District, Rochester, Monroe County, Listed; and
- Chili West Historic District, Rochester, Monroe County, Listed.

The Project is not likely to have significant visual impacts on historic districts due to intervening distance, existing vegetation, and existing development, as well as because Project construction will be in and along existing utility and railroad ROWs. The Project crosses the New York State Barge Canal Historic District at an existing utility crossing and in close proximity to other existing transportation crossings, including roadway and railroad crossings. Thus, the Project's visual impacts at this location are expected to be minimal. The Maplewood Historic District is located approximately 0.6 miles northeast of the Project at its closest point, and vegetation and structures obscure views of the Project. Districts other than the New York State Barge Canal Historic District and the Maplewood Historic District are located at greater distances and views are not anticipated.

Of the historic properties not located within a historic district, two are located within 1,000 feet of the Project:

- 1000 Lexington Avenue, Rochester, Monroe County, Listed;
- 898 Buffalo Road, Rochester, Monroe County, Eligible.

Both historic properties are located in industrial areas and, based on windshield surveys, the areas contain existing transmission facilities and various other industrial developments that already dominate the view from these properties. Based on existing views, impacts from the Project are anticipated to be negligible. 1000 Lexington Avenue is currently occupied by a General Motors manufacturing facility and is located adjacent to the existing Station 48. 898 Buffalo Road was occupied by a restaurant scheduled to cease operations and is already adjacent to several existing transmission lines.

2) State Parks

No State Parks have been designated within three miles of the Project (OPRHP, 2019).

3) Urban Cultural Parks

The Project falls within the Western Erie Canal Heritage Corridor, which is part of the New York State Heritage Area System (USDOI-NPS, 2019). The Heritage Corridor includes the Erie Canal and the adjacent Canalway Trail, both of which the Project is proposed to cross.

The Rochester/High Falls State Urban Heritage Area is also located within three miles of the Project; however, it is located over one mile from the Project.

Based on consultation with OPRHP, the Applicant does not anticipate that the Project will affect the preservation efforts of historical and natural features located within these cultural heritage areas.

4) State Forest Preserve.

There are no State Forest Preserves within three miles of the Project (United States Department of Agriculture [USDA] Forest Service, 2019).

5) National Wildlife Refuges, and State Game Refuges and State Wildlife Management Areas

There are no national wildlife refuges located within three miles of the Project. There are no state game refuges or state wildlife management areas located within three miles of the Project (NYSDEC, 2019d).

6) National Natural Landmarks

There are no National Natural Landmarks located within three miles of the Project (USDOI-NPS, 2018).

7) The National Park System, Recreation Areas, Seashores, Forests

The Project falls within the Erie Canalway National Heritage Corridor, which is part of the New York State Canal System that is actively used for boating, fishing, hiking, and cycling. The Project is proposed to cross once over the Erie Canal at a location containing existing utility crossings.

No National Recreation Areas, Seashores or Forests are located within three miles of the Project.

8) Rivers designated as National or State Wild, Scenic or Recreational

There are no designated National or State Wild, Scenic or Recreational Rivers within three miles of the Project (NYSDEC, 2019e).

9) A site, area, lake, reservoir or highway designated or eligible for designation as scenic

Areas subject to Article 49 of Environmental Conservation Law include Scenic Byways designated by NYSDOT (2019), parkways designated by the OPRHP, and other areas designated by NYSDEC. Based on review of the NYSDOT Scenic Byways inventory, there are no Scenic Byways, parkways or other areas within three miles of the Project (NYSDOT, 2019).

10) Scenic Areas of Statewide Significance

There are no designated scenic areas of statewide importance within three miles of the Project, according to the New York State Department of State, Office of Planning & Development's Coastal Boundary Map (NYSDOS, 2019).

11) A state or federally designated trail, or one proposed for designation

Three designated trails are located within three miles of the Project (American Trails, 2019).

- The Canalway Trail, also known as the Erie Canal Heritage Trail, is located along the former towpath of the Erie Canal. The Canalway Trail is crossed by the Project slightly north of Buffalo Road within the Town of Gates (See Figure 2-1).

- The Genesee Valley Greenway is a 52-mile rail-trail generally following the path of the abandoned Genesee Valley Canal and Pennsylvania Railroad, between the City of Rochester and the Town of Hinsdale. The nearest portion of the Genesee Valley Greenway is located approximately 2.2 miles southeast of the Project and is not traversed by the Project facilities (see Figure 2-1).

- The Genesee River Trail is a 9.1-mile trail along the Genesee River through the City of Rochester to Lake Ontario. The Genesee River Trail meets with and forms a continuation of the Genesee Valley Greenway at the Erie Canal. The nearest portion of the Genesee River Trail is located about 1.2 miles east of the Project and is not traversed by the Project facilities (see Figure 2-1).

12) Adirondack Park Scenic Vistas

There are no Adirondack Park Scenic Vistas located within three miles of the Project.

13) State Nature and Historic Preserve Areas

There are no state nature and historic preserve areas located within three miles of the Project.

14) Palisades Park

Palisades Park is not located within three miles of the Project.

15) Bond Act Properties purchased under Exceptional Scenic Beauty or Open Space category.

There are no properties acquired under the Exceptional Scenic Beauty definition of the 1986 Bond Action (Article 52) within three miles of the Project. There are three 1996 Bond Act Properties located within three miles of the Project; none of which intersect with the Project.

Table 4-2 Bond Act Properties within Three Miles of the Project

Identification Number	Name	Address	Program & Site Class
B00016	Former Photec Imaging	1000 Driving Park Avenue	Environmental Restoration Program (ERP) -C
B00121	Thurston/Ravenwood Site	330 Thurston Road	ERP-N
E828123	Orchard-Whitney Site	415 Orchard Street & 354 Whitney Street	ERP-C

4.3.3 Local Recreation Sites

There are numerous municipal recreation areas found within three miles of the Project (refer to Table 4-3 and Figure 2-1). These local recreation areas include municipal parks, playgrounds, recreation centers, and stadiums/arenas. The Project ROW does not traverse any municipal recreation areas (NYSDEC, 2019c).

In addition, several privately-owned recreational areas, such as golf courses and outdoor sports complexes, are located within three miles of the Project (refer to Table 4-3 and Figure 2-1). The Project ROW does not cross any privately-owned recreation areas.

Table 4-3 Local Recreation Sites within Three Miles of the Project

Map Reference	Figure[1]	Name	Location	Category
1	2-1.7	Brook-Lea Country Club	891 Pixley Rd, Gates	Privately-owned golf course
2	2-1.7	Westgate Park	1489 Howard Rd, Gates	Town of Gates Park
3	2-1.7	Italian American Sports Club	1250 Buffalo Rd, Gates	Privately-owned sports club
4	2-1.7	Total Sports Experience	880 Elmgrove Rd, Gates	Privately-owned sports facility
5	2-1.7	Wegman Road Park	510 Wegman Rd, Gates	Town of Gates Park
6	2-1.7	Gates Memorial Park	160 Spencerport Rd, Gates	Town of Gates Park
7	2-1.7	Lions Park	100 Kentucky Ave, Gates	Town of Gates Park
8	2-1.7	Gates Town Park	4310 Lyell Rd, Gates	Town of Gates Park
9	2-1.7	Hidden Acre Stables	4460 Lyell Rd, Gates	Privately-owned riding stable
10	2-1.7	Yolanda Park	68 Yolanda Dr, Chili	Town of Chili Park
11	2-1.9	Davis Park	551 Chestnut Ridge Rd, Chili	Town of Chili Park
12	2-1.9, 10	Memorial Park	3235 Chili Ave, Chili	Town of Chili Park
13	2-1.10	Home Team Sports Park	420 Ballantyne Rd, Chili	Privately-owned athletic complex
14	2-1.10	Little Black Creek Park	1503 Scottsville Rd, Chili	State-owned trailhead
15	2-1.7,10	Genesee Greenway Trail	1468 Scottsville Rd & Weidner Rd, Chili	State-owned trail segment
16	2-1.3, 4	Greece Canal Park	343 1/2 Elmgrove Rd, Greece	Monroe County Park
17	2-1.4	Henpeck Park	Henpeck Park, Greece	Town of Greece Park
18	2-1.4	Carter Park	1281 Long Pond Rd, Greece	Town of Greece Park
19	2-1.7, 8, 10, 11	Genesee Valley Park	Elmwood Ave, E. River Rd, S Plymouth Ave, Rochester	Monroe County Park
20	2-1.8	Highland Park	Reservoir Ave, Mt Hope Ave, Highland Ave, South Ave, Rochester	Monroe County Park
21	2-1.8	Warner Castle	54 Reservoir Ave, Rochester	City of Rochester Park
22	2-1.8	Bausch & Lomb Riverside Park	255 Joseph C Wilson Blvd, Rochester	City of Rochester Park
23	2-1.8	Genesee Riverway Trail	Mt Hope Ave, Ford St, Exchange Blvd, Rochester	City of Rochester Trail
24	2-1.8	Flint Street Recreation Center	271 Flint St, Rochester	City of Rochester Recreation Center
25	2-1.8	West High Field	200 Arnett Blvd, Rochester	City of Rochester Athletic Field
26	2-1.8	Playground and Trail	719-775 Exchange St, Rochester	City of Rochester Park
27	2-1.8	Marie Daley Park	160 Gregory St, Rochester	City of Rochester Park
28	2-1.8	Nathanial Square Park	62 Alexander St, Rochester	City of Rochester Park
29	2-1.8	Genesee Gateway Park	Mt Hope Ave, Rochester	City of Rochester Park
30	2-1.8	Lunsford Circle Park	441 Frederick Dougl St, Rochester	City of Rochester Park
31	2-1.8	Bronson Ave Playground	15 Olean St, Rochester	City of Rochester Park
32	2-1.8	Troup Street Park	210-266 Troup St, Rochester	City of Rochester Park
33	2-1.7	Roxie Ann Sinkler R-Center	75 Grover St, Rochester	City of Rochester Recreation Center
34	2-1.8	Kilburn Park and Campbell Street Recreation Center	524 Campbell St, Rochester	City of Rochester Park
35	2-1.8	Orchard Street Playground	Orchard St, Campbell St, Rochester	City of Rochester Park
36	2-1.8	Marina Auto Stadium (Paetec Park)	W Broad St, Oak St, Smith St, Rochester	City of Rochester Stadium
37	2-1.8	Brown Square Park	225 Verona St, Rochester	City of Rochester Park
38	2-1.8	Frontier Field Baseball Stadium	1 Morrie Silver Way, Rochester	Monroe County Stadium

Map Reference	Figure[1]	Name	Location	Category
39	2-1.8	Rochester Americans Hockey Arena (Blue Cross Arena)	100 Exchange Blvd, Rochester	City of Rochester Arena
40	2-1.8	Washington Square Park	10 St Marys Pl, Rochester	City of Rochester Park
41	2-1.8	Cornerstone Park	67-71 Stone St, Rochester	City of Rochester Park
42	2-1.8	Aqueduct Park	47-59 E Main St, Rochester	City of Rochester Park
43	2-18	Sister City Garden	65 N Water St, Rochester	City of Rochester Park
44	2-1.8	Liberty Pole	282-286 E Main St, Rochester	City of Rochester Park
45	2-1.8	St. Joseph's Park	118 Pleasant St, Rochester	City of Rochester Park
46	2-1.8	Schiller Park	350 Andrews St, Rochester	City of Rochester Park
47	2-1.8	Olde Rochesterville Open Space	179 N Water St, Rochester	City of Rochester Park
48	2-1.8	Frederick Douglas Memorial	250 St Paul St, Rochester	City of Rochester Park
49	2-1.8	High Falls Terrace	St Paul St, Rochester	City of Rochester Park
50	2-1.8	Lomb Memorial Park	St Paul St, Martin St, Rochester	City of Rochester Park
51	2-1.8	Jones Square Park	130 Saratoga Ave, Rochester	City of Rochester Park
52	2-1.8	Edgerton Park	400-420 Dewey Ave, Rochester	City of Rochester Park
53	2-1.8	J. P. Riley Park	124 Santee St, Rochester	City of Rochester Park
54	2-1.7	JR Wilson Park	1 Haloid St, Rochester	City of Rochester Park
55	2-1.7	Paul Bianchi Park	945 Emerson St, Rochester	City of Rochester Park
56	2-1.4	Sebastian Park	20 Planet St, Rochester	City of Rochester Park
57	2-1.4	La Grange Park	455 La Grange Ave, Rochester	City of Rochester Park
58	2-1.5	Tacoma Playground	185 Glenwood Ave, Rochester	City of Rochester Park
59	2-1.5	Lower Falls Park	Hastings St, Rochester	City of Rochester Park
60	2-1.5	Conkey Corner Park	92 Conkey Ave, Rochester	City of Rochester Park
61	2-1.8	Don Samuel Torres Park	70 Oakman St, Rochester	City of Rochester Park
62	2-1.8	Baden Park	525 Upper Falls Blvd, Rochester	City of Rochester Park
63	2-1.8	David F. Gantt Recreation Center	700 North St, Rochester	City of Rochester Recreation Center
64	2-1.5, 8	Washington Playground	15 Weeger St, Rochester	City of Rochester Park
65	2-1.5	Pulaski Park	1200 North St, Rochester	City of Rochester Park
66	2-1.5	Playground	44 Zimbrich St, Rochester	Privately-owned Playground (open on weekends to public)
67	2-1.5	Avenue D Recreation Center	212 Ave D, Rochester	City of Rochester Recreation Center
68	2-1.5	Maplewood Park	Maplewood Ave, Rochester	City of Rochester Park
69	2-1.5	Seth Green Park	10 Ave E, Rochester	City of Rochester Park
70	2-1.5	El Camino Trailhead Park	2230 St Paul St, Rochester	City of Rochester Park
71	2-1.5	Seneca Park Zoo	St Paul St, Rochester	Monroe County Park and Zoo
*	2-1.5, 8	El Camino Trail	Scrantom St to Navarre Rd, Rochester	City of Rochester Trail
*	2-1.8, 10	Lehigh Valley Trail	U of R south along former railroad	Regional Trail
*	2-1.4	Route 390 Trail	Along State Hwy 390 north of State Hwy 104	Regional Trail
*	2-1.3, 4, 7, 11	Canalway Trail	Along the Erie Canal	NYS Canal Corporation
*	2-1.5, 7, 8	Genesee River Trail	Along the Genesee River	City of Rochester Trail
*	2-1.10	Genesee Valley Greenway	Through Town of Chili until the Genesee River	Regional Trail
*	2-1.8	Genesee Valley Park Trail	Genesee Valley Park	Regional Trail
* On Figure 2-1, use trail name as map reference.				

Source: Monroe County 2019 Tax Parcel Data

4.3.4 Visual Impacts and Mitigation

Potential visual impacts are greatest when incompatible landscape features or elements are added in a way that detracts from the overall setting or enjoyment of historic, scenic, and recreational resources. Potential visual impacts from the Project are minimized through the use of existing transmission and railroad corridors and the rebuilding / double circuiting of existing transmission structures.

The potential visibility of the Project and its impact to surrounding areas are dependent on the visibility of the existing infrastructure and the nature and extent of the surrounding development. Generally, structures in the existing transmission corridors proposed to be utilized by the Project are part of an urban/suburban setting. A new transmission line next to, or co-located with, an existing line has less contrast and less visual impact compared to a new transmission line in an undeveloped area. The Project intends to follow existing utility and railroad ROWs, which contain existing transmission lines for the majority of the Project length. Additionally, existing transmission and distribution structures are proposed to be removed and replaced with new structures. This allows for the co-location of the Project with existing transmission and distribution lines without the need for additional structures, which minimizes visual impacts. Visual simulations of existing conditions compared to the proposed Project are provided in Figure 4-3.

From Station 48 to the Erie Canal, the Project ROW is located predominantly in an R&S ROW that contains Existing Lines 926 and 916 in an industrial urban landscape. The diminished aesthetic values in this area are due to existing industrial development, which, therefore, minimize potential additional visual impacts. Local recreation sites, Sebastian Park and Paul Bianchi Park, are located approximately 0.2 miles from the Project ROW. Expected views of the Project are predominantly obscured by existing vegetation. Any change in visibility of these existing structures, due to increased heights of new structures, will be incremental. Potential visibility of these structures from the surrounding neighborhoods is limited by existing industrial buildings and vegetation adjacent to the railroad corridor.

The Project crosses the Erie Canal north of Buffalo Road at the boundary of the City of Rochester and the Town of Gates. The Erie Canal has been identified as a cultural, historic, and recreational resource. At the location of the proposed crossing, there are diminished aesthetic values due to existing industrial development and an existing concentration of utilities crossing the Erie Canal at this location.

From the Erie Canal Crossing to Station 418, the Project ROW is located largely within a CSX ROW and an existing RG&E ROW. The landscape transitions from industrial to suburban residential. Through much of this corridor, there will be limited visibility of the Project, primarily at public road crossings, and will be viewed in the environment of other existing transmission lines.

There are limited visual or recreational resources in close proximity to the Project from the Erie Canal to Station 418, and existing vegetation limits the potential visual impact even further. Brooke Lea Country Club is located south of the Project ROW. Based on field observation, and considering distance and existing vegetation, any increase in visibility due to increased height of the proposed structures will be minimal from this recreational area.

There are potential views of the Project from surrounding neighborhoods along the CSX ROW from Hinchey Road and along the RG&E ROW. These neighborhoods are located adjacent to Existing ROWs with multiple transmission lines, thus the viewshed will remain in character with its existing state. Due to the presence of the existing transmission lines and the proposed routing within or along Existing ROW, the visual impact to these neighborhoods will be minimal.

The remaining visual resources located within 3 miles of the Project are not anticipated to have a significant additional visual impact and the Applicant does not anticipate the Project to have a significant effect to the visual and aesthetic character of recreational and historic areas. Visual impact has been minimized by co-locating the Project in or along existing ROW throughout the majority of its length.

4.3.5 Digital Simulations

The digital simulations shown on Figure 4-3 were developed from selected observation points. These simulations are based on preliminary engineering for the alignment and heights of proposed and existing structures, and the different types of proposed transmission lines. The selected viewpoints chosen for simulations were based on several factors: the potential visibility of the proposed transmission lines, the historical or cultural significance, or the regionally representative environmental and geographic qualities of the viewshed.

Potential discrepancies between these proposed simulations and the constructed Project may occur due to design revisions, alignment adjustments, and variations between the existing model surface and the existing 'real world' conditions.

4.4 Cultural Resources

As used in this exhibit, the term "cultural resources" includes archaeological sites and objects, historic buildings and structures, and archaeological and historic districts. This section tabulates and discusses known, previously recorded cultural resources in the areas near the Project, including any direct effect the Project may have on these resources.

4.4.1 Existing Setting

4.4.1.1 Archaeological Sites

A site file search and review was conducted using the online databases, primarily the SPHINX system of the OPRHP and the NRHP FOCUS database. The primary information concerning the archaeological sites was obtained during a visit to the OPRHP's research center at Peebles Island, Cohoes, New York. Information on all recorded cultural resources (archaeological resources and historic structures) within three miles of the Project was obtained. Cultural resources recorded on the NRHP or considered eligible for inclusion were identified.

A total of 105 archaeological sites have been identified within a three-mile radius around the Project. Ninety of the archaeological sites are from Native America occupations during the Precontact Period (Table 4-4) and 15 are historic Euro-American occupations (Table 4-5). Site

numbers beginning with "A" were assigned by the OPRHP. Four-digit site numbers were assigned by the New York State Museum (NYSM). Of the 90 Precontact sites within the three-mile radius, 73 do not have information regarding their time period, but are categorized by type, such as villages, burial, ossuary, burial or ossuary, camp or village, traces of occupation, traces of occupation or trail, earthwork, midden, portage, relics, unknown, and stray find. The two village sites noted date to the Early to Middle Woodland Period (A05540.001550/Kimball site) and the Late Woodland to Contact Period (NYSM 2542/Maplewood Station). One site, the Albermarle Street site, is a Late Woodland Period camp (NYSM 5864). The unknown sites date from the Paleoindian to Middle Woodland, Late Archaic, Archaic, and Archaic to Woodland Periods. All of the Precontact sites are located more than 1,000 feet from the Project (Table 4-4).

Seven of the 90 Precontact sites are eligible for the NRHP. The site type for all seven NRHP-eligible sites is unknown. One of the seven NRHP-eligible sites dates to the Paleoindian to Middle Woodland Period and another dates to the Late Archaic Period; the age of the other five NRHP-eligible sites is unknown. Eligibility is undetermined for the remaining Precontact Period sites.

The 15 known Euro-American historic sites within the Project three-mile buffer date from the early 19th century to the early 20th century. Site types include domestic, canal infrastructure, industrial, and ceramic production. All of the historic sites are located more than 1,000 feet from the Project (Table 4-5). OPRHP has made formal determinations on eight of the sites. Rouse Historic (A05505.000573), Widner Historic (A05502.000246), American Packaging Corp Site 1 (A05502.000252), and American Packaging Corp Site 2 (A05502.000253) were determined not to be eligible for the NRHP. The other four are listed on the NRHP: Triphammer Forge Building Ruins (A05540.000014), UB 2173 Historic (A05502.000026), Culvert #9 (A05502.000024), and Waste Weir Genesee Valley Canal (A05502.000025). Eligibility has not been determined for the remaining seven Euro-American historic period sites.

Table 4-4 Native American Precontact Archaeological Sites within Three Miles of the Project

Site Number	Site Name	Description	NRHP Status
A05505.000005	Lee	Precontact with Human Remains. Time period: unknown; Site type: unknown.	No Determination
A05540.001523	Truesdale Mound	Precontact with Human Remains. Time period: Middle Woodland; Site type: mound. Same as NYSM 5883.	No Determination
A05540.001522	Ransford	Precontact with Human Remains. Time period: unknown; Site type: Village.	No Determination
A05540.001550	Kimball	Precontact with Human Remains. Time period: Early to Middle Woodland; Site type: Village.	No Determination
A05540.001548	Mount Hope	Precontact with Human Remains. Time period: unknown; Site type: unknown.	No Determination
A05540.001553	Genesee Valley Park 1	Precontact with Human Remains. Time period: unknown; Site type: Village.	No Determination
A05502.000030	Lexington 1	Precontact with Human Remains. Time period: Archaic to Woodland; Site type: unknown.	No Determination
A05502.000031	Lexington 2	Precontact with Human Remains. Time period: Archaic to Woodland; Site type: unknown.	No Determination
A05502.000032	Lexington 3	Precontact with Human Remains. Time period: Archaic to Woodland; Site type: unknown.	No Determination
A05504.000006	Coldwater	Precontact with Human Remains. Time period: unknown; Site type: unknown.	No Determination
A05510.000003	Brongo	Precontact with Human Remains. Time period: unknown; Site type: unknown.	No Determination
A05510.000084	Schantz Precontact	Precontact with Human Remains. Time period: unknown; Site type: unknown.	No Determination
A05510.000090	Talbott Farm	Precontact. Time period: unknown; Site type: unknown.	No Determination
A05510.000026	Hutchins Road	Precontact. Time period: Woodland; Site type: unknown.	No Determination
A05510.000014	Ireland	Precontact. Time period: unknown; Site type: unknown.	No Determination
A00510.000013	Przybycien 4	Precontact. Time period: Archaic; Site type: unknown.	No Determination
A05510.000091	Centerline 1	Precontact. Time period: unknown; Site type: unknown.	No Determination
A05510.000092	Centerline 2	Precontact. Time period: unknown; Site type: unknown.	No Determination
A05510.000022	Whittman 1	Precontact. Time period: unknown; Site type: unknown.	No Determination
A05510.000009	Quillan	Precontact. Time period: unknown; Site type: unknown.	No Determination
A05540.001524	Bonesteel	Precontact. Time period: unknown; Site type: unknown.	No Determination
A05540.001559	Roxborough Roadside	Precontact. Time period: Archaic; Site type: unknown.	No Determination
A05540.001560	Cottage Street	Precontact. Time period: unknown; Site type: unknown.	No Determination
A05540.001554	Genesee Valley Park 2	Precontact. Time period: unknown; Site type: unknown.	No Determination
A05540.001555	Genesee Valley Park 3	Precontact. Time period: unknown; Site type: unknown.	No Determination
A05540.001561	Beahan Road	Precontact. Time period: unknown; Site type: unknown.	No Determination
A05540.001549	Rochester Airport	Precontact. Time period: unknown; Site type: unknown.	No Determination
A05502.000227	Links 1 Prehistoric	Precontact. Time period: Late Archaic; Site type: unknown.	Eligible
A05502.000228	Links 2 Prehistoric	Precontact. Time period: unknown; Site type: unknown.	Eligible

Site Number	Site Name	Description	NRHP Status
A05502.000229	Links 3 Prehistoric	Precontact. Time period: unknown; Site type: unknown.	Eligible
A05502.000230	Links 4 Prehistoric	Precontact. Time period: Paleoindian to Middle Woodland; Site type: unknown.	Eligible
A05502.000231	Links 5 Prehistoric	Precontact. Time period: unknown; Site type: unknown.	Eligible
A05502.000232	Links 6 Prehistoric	Precontact. Time period: unknown; Site type: unknown.	Eligible
A05502.000233	Links 7/8 Prehistoric	Precontact. Time period: unknown; Site type: unknown.	Eligible
A05502.000034	Archer Road	Precontact. Time period: Archaic; Site type: unknown.	No Determination
A05502.000234	Avery/Beaver Stray Finds	Precontact. Time period: unknown; Site type: unknown.	No Determination
A05502.000117	Nichols-Jackson	Precontact. Time period: unknown; Site type: unknown.	No Determination
A05502.000120	Pignatelli	Precontact. Time period: unknown; Site type: unknown.	No Determination
A05502.000119	Heydweiller	Precontact. Time period: unknown; Site type: unknown.	No Determination
A05504.000042	Westview Commons	Precontact. Time period: unknown; Site type: unknown.	No Determination
NYSM 2541	Le Bar	Precontact. Time period: unknown; Site type: Burial.	No Determination
NYSM 2542	Maplewood Station	Precontact. Time period: Late Woodland to Contact; Site type: Village.	No Determination
NYSM 3855		Precontact. Time period: unknown; Site type: Camp.	No Determination
NYSM 3856		Precontact. Time period: unknown; Site type: Camp.	No Determination
NYSM 3857		Precontact. Time period: unknown; Site type: Burial.	No Determination
NYSM 3868		Precontact. Time period: unknown; Site type: Camp or Village.	No Determination
NYSM 3872		Precontact. Time period: unknown; Site type: Village/Burials.	No Determination
NYSM 3873		Precontact. Time period: unknown; Site type: Camp or Village.	No Determination
NYSM 3874		Precontact. Time period: unknown; Site type: Village.	No Determination
NYSM 3875		Precontact. Time period: unknown; Site type: Midden.	No Determination
NYSM 3876		Precontact. Time period: unknown; Site type: Ossuary.	No Determination
NYSM 3877		Precontact. Time period: unknown; Site type: Village.	No Determination
NYSM 3886		Precontact. Time period: unknown; Site type: Earthwork.	No Determination
NYSM 3887		Precontact. Time period: unknown; Site type: Camps.	No Determination
NYSM 3889		Precontact. Time period: unknown; Site type: Village.	No Determination
NYSM 3890		Precontact. Time period: unknown; Site type: unknown.	No Determination
NYSM 3922		Precontact. Time period: unknown; Site type: Village.	No Determination
NYSM 3923		Precontact. Time period: unknown; Site type: Village.	No Determination
NYSM 3940		Precontact. Time period: unknown; Site type: Village.	No Determination
NYSM 3941		Precontact. Time period: unknown; Site type: Camp.	No Determination
NYSM 5854	Maplewood Park	Precontact. Time period: Late Archaic; Site type: Camp or Village.	No Determination
NYSM 5864	Albermarle Street	Precontact. Time period: Late Woodland; Site type: Camp.	No Determination

Site Number	Site Name	Description	NRHP Status
NYSM 5881	Kelsey-Buell's Landing	Precontact. Time period: unknown; Site type: Portage.	No Determination
NYSM 5883	Truesdale Mound	Precontact. Time period: Middle Woodland; Site type: Mound. Same as A05540.001523.	No Determination
NYSM 5885	Emerson	Precontact. Time period: unknown; Site type: Camp or Village.	No Determination
NYSM 6568		Precontact. Time period: unknown; Site type: Traces of Occupation.	No Determination
NYSM 7117		Precontact. Time period: unknown; Site type: Stray Find.	No Determination
NYSM 7118		Precontact. Time period: unknown; Site type: Relics.	No Determination
NYSM 7119		Precontact. Time period: unknown; Site type: Traces of Occupation or Trail.	No Determination
NYSM 7120		Precontact. Time period: unknown; Site type: Traces of Occupation.	No Determination
NYSM 7679		Precontact. Time period: unknown; Site type: Camp.	No Determination
NYSM 7680		Precontact. Time period: unknown; Site type: Traces of Occupation.	No Determination
NYSM 8179	Brewer's Mounds	Precontact. Time period: Middle Woodland; Site type: Mounds.	No Determination
NYSM 8180		Precontact. Time period: unknown; Site type: Village.	No Determination
NYSM 8214	Strong Street	Precontact. Time period: Late Archaic; Site type: unknown.	No Determination
NYSM 8716		Precontact. Time period: unknown; Site type: Burial.	No Determination
NYSM 8717		Precontact. Time period: unknown; Site type: Ossuary.	No Determination
NYSM 8718		Precontact. Time period: unknown; Site type: Camp.	No Determination
NYSM 8719		Precontact. Time period: unknown; Site type: Camp.	No Determination
NYSM 8720		Precontact. Time period: unknown; Site type: Camp.	No Determination
NYSM 8721		Precontact. Time period: unknown; Site type: Camp.	No Determination
NYSM 8722		Precontact. Time period: unknown; Site type: Burial or Ossuary.	No Determination
NYSM 8723		Precontact. Time period: unknown; Site type: Village.	No Determination
NYSM 8724		Precontact. Time period: unknown; Site type: Village.	No Determination
NYSM 8725		Precontact. Time period: unknown; Site type: Camp.	No Determination
NYSM 8732		Precontact. Time period: unknown; Site type: Camp.	No Determination
NYSM 8764		Precontact. Time period: unknown; Site type: Village.	No Determination
NYSM 8765		Precontact. Time period: unknown; Site type: Village.	No Determination
NYSM 8766		Precontact. Time period: unknown; Site type: Village.	No Determination
NYSM 8767		Precontact. Time period: unknown; Site type: Burial or Ossuary.	No Determination
NYSM 8768		Precontact. Time period: unknown; Site type: Burial or Ossuary.	No Determination

Table 4-5 Historic Euro-American Archaeological Sites within Three Miles of the Project

Site Number	Site Name	Description	NRHP Status
05510.000024	Stettner	Historic: Early 20th century domestic.	No Determination
05504.000004	Zielinski III	Historic: Mid-20th century domestic.	No Determination
05510.000023	Brower	Historic: Early 20th century domestic.	No Determination
05505.000573	Rouse Historic	Historic: Late 19th century domestic.	Not Eligible
05505.000257	G. Smith	Historic: Late 19th to mid-20th century domestic.	No Determination
05540.001494	Rochester Paper Co & CJ Hayden Industrial	Historic: Early to mid-19th century industrial.	No Determination
05540.000014	Triphammer Forge Building Ruins	Historic: Early 19th century industrial.	Listed
05540.001436	Barge Canal	Historic: Mid-19th century canal infrastructure.	No Determination
05502.000026	UB 2173 Historic	Historic: Early 19th century canal infrastructure.	Listed
05502.000024	Culvert #9	Historic: Early 19th century canal infrastructure.	Listed
05502.000025	Waste Weir Genesee Valley Canal	Historic: Early 19th century canal infrastructure.	Listed
05502.000246	Widner Historic	Historic: No information.	Not Eligible
05502.000252	American Packaging Corp Site 1	Historic: Late 19th to mid-20th century domestic.	Not Eligible
05502.000253	American Packaging Corp Site 2	Historic: Late 19th to mid-20th century domestic.	Not Eligible
NYSM 2540	Philip & John M. Hammer Pottery	Historic: Early 19th century ceramic production.	No Determination

4.4.1.2 National Register of Historic Places

There are 2,988 evaluated historic architectural properties within three miles of the Project. These properties are listed in, or determined eligible for listing in, the NRHP (Table 4-6). Of these, 2,477 are listed in the State Register and/or the NRHP. The remaining 511 properties are determined eligible for listing in the NRHP. Of the evaluated historic architectural properties within three miles, 2,290 are located within one of 38 Historic Districts shown in Table 4-6. The remaining 698 properties are not associated with a Historic District, but are included in Table 4-6. There are two listed properties located within 1,000 feet of the Project; neither is associated with a Historic District.

Table 4-6 New York State and National Register of Historic Places Historic Districts

Map Reference	Figure	USN#	District Name	NRHP Status	Municipality	#Historic Sites	#Listed Sites	#Eligible Sites
1	2-1.3, 4, 7, 8, 11	104.000641	New York State Barge Canal Historic District	Listed	Rochester/ Brighton Gates/Greece	1	1	0
2	2-1.8	104.000641	New York State Barge Canal Historic District	Listed	Rochester	0	0	0
3	2-1.7, 8, 10	05540.0114	Genesee Valley Park	Eligible	Rochester	3	3	0
4	2-1.8	05540.00941	University of Rochester River Campus Historic District	Eligible	Rochester	25	23	2
5	2-1.8	05540.00928	Arvine Heights Historic District	Listed	Rochester	28	28	0
6	2-1.8	05540.01434	St. Monica's Roman Catholic Church Complex	Eligible	Rochester	3	2	1
7	2-1.8	05540.01345	Highland-Reservoir Historic District	Undetermined	Rochester	2	2	0
8	2-1.8	05540.00923	Mt. Hope-Highland Historic District	Listed	Rochester	50	50	0
9	2-1.8	05540.00924	Linden-South Historic District	Listed	Rochester	49	49	0
10	2-1.8	05540.01357	South Wedge Historic District Boundary Increase	Eligible	Rochester	194	110	84
11	2-1.8	05540.013569	South Wedge Historic District Boundary Increase	Eligible	Rochester	81	65	16
12	2-1.7	05540.00928	Ingleside & Thurston Historic District	Listed	Rochester	67	67	0
13	2-1.7, 8	05540.00926	Sibley-Elmdorf Historic District	Listed	Rochester	589	483	106
14	2-1.7, 8	05540.00927	Chili-West Historic District	Listed	Rochester	261	197	64
15	2-1.8	05540.00923	Third Ward Historic District	Listed	Rochester	102	102	0
16	2-1.8	05540.00925	Third Ward Historic District Extension	Eligible	Rochester	119	99	20
17	2-1.8	05540.00923	Grove Place Historic District	Listed	Rochester	11	11	0
18	2-1.8	05540.01077	East Main Street Commercial Historic District	Listed	Rochester	35	34	1
19	2-1.8	05540.00923	State Street Historic District	Listed	Rochester	13	11	2
20	2-1.8	05540.00924	Child, Jonathan, House & Brewster-Burke House Historic District	Listed	Rochester	4	4	0
21	2-1.8	05540.00923	City Hall Historic District	Listed	Rochester	4	4	0

Map Reference	Figure	USN#	District Name	NRHP Status	Municipality	#Historic Sites	#Listed Sites	#Eligible Sites
22	2-1.8	05540.00923	St. Paul-North Water Streets Historic District	Listed	Rochester	10	10	0
23	2-1.8	05540.00923	Brown's Race Historic District	Listed	Rochester	26	18	8
24	2-1.8	05540.00924	Teoronto Block Historic District	Listed	Rochester	1	0	1
25	2-1.8	05540.00924	Bridge Square Historic District	Listed	Rochester	20	20	0
26	2-1.8	05540.00923	Madison Square--West Main Street Historic District	Listed	Rochester	72	68	4
27	2-1.5, 8	05540.00925	Saint Paul-Huntington Historic District	Eligible	Rochester	40	39	1
28	2-1.7, 8	05540.01434	Holy Apostles R.C. Church complex	Eligible	Rochester	3	0	3
29	2-1.5	05508.0003	Wimbledon Road Historic District	Eligible	Rochester	2	2	0
30	2-1.5	05540.01006	Maplewood Drive Historic District	Undetermined	Rochester	1	1	0
31	2.1-8	05540.01432	Houses at 12-28 Curtis Street Historic District	Eligible	Rochester	0	0	0
32	2-1.5	05540.00927	Most Holy Redeemer Catholic Church Complex	Eligible	Rochester	4	3	1
33	2-1.5	05540.0115	Saint Stanislaus Church Complex	Undetermined	Rochester	4	4	0
34	2-1.5, 8	05540.01355	Church of St. Michael's Historic District	Eligible	Rochester	6	6	0
35	2-1.5	05540.00926	Lake Avenue Commercial Historic District	Undetermined	Rochester	9	9	0
36	2-1.4, 5	05540.00923	Maplewood Historic District	Listed	Rochester	328	310	18
37	2-1.5	05508.00039	Rogers Fruit Farms Subdivision Historic District	Eligible	Rochester	1	0	1
38	2-1.4	05505.0006	Koda Vista Historic District	Listed	Rochester	122	41	81
--		--	No Historic District Present	--	Rochester/Gates/Greece/Chili	698	601	97
TOTAL						**2,988**	**2,477**	**511**

4.4.2 Cultural Impacts and Mitigation

The potential impacts from the Project to cultural resources are limited, primarily due to Project construction proposed within or immediately adjacent to existing utility and railroad corridors, areas of industrial development, and existing vegetation screening.

Letters dated November 30, 2017, December 4, 2017, and October 22, 2018, from the OPRHP State Historic Preservation Office (SHPO) to RG&E state that the collective substation and transmission line components of the Project will have no impact on archaeological and/or historic resources listed in or eligible for the New York State and National Registers of Historic Places. See Attachment 4-A – Agency Correspondence.

4.5 Terrestrial Ecology and Wetlands

This section summarizes the potential effects to ecological and wetland resources anticipated as a result of Project construction, operation, and maintenance activities. Furthermore, this section identifies measures to avoid or minimize these potential impacts. An initial desktop analysis was performed on the location of the Project facilities using existing information from federal and state agency databases, and state agency correspondence to ascertain the presence of biological and natural resources likely to occur in the vicinity of the Project.

Predominant vegetation communities were characterized during site visits by biologists according to the ecological classifications as described in *Ecological Communities of New York State* (Edinger et al., 2014).

The presence of potentially jurisdictional wetlands and other waters of the United States were determined based on a review of existing information from the USFWS, NWI mapping (Rochester West 7.5 minute quadrangles) (USFWS, 2019a), and NYSDEC Freshwater Wetland mapping (NYSDEC, 2012).

The NWI wetland database identifies potential wetland areas based on interpretation of remotely sensed aerial imagery with limited field verification. NWI-mapped features may often coincide with state-regulated wetlands and surface water features. Current aerial imagery, the USGS National Hydrography Dataset (USGS, 2019b), and the Natural Resources Conservation Service (NRCS) Soil Survey for Monroe County, New York (USDA-NRCS, 1973) were used to supplement the review of wetland maps to identify potential wetland areas.

A literature review was conducted to determine the conservation status and distribution of local and migrant wildlife species that may occur within the Project Area. Informational sources included published literature and USFWS and NYSDEC databases. The USFWS Federally-

listed Threatened and Endangered Species Information for Planning and Consultation (IPaC) service was consulted for the presence of federally listed species (USFWS, 2019b). Additionally, a species request letter was submitted to the New York Natural Heritage Program (NYNHP) to assess the documented presence of listed species and sensitive or unique ecological habitats that may occur within the Project Area.

Potential effects on listed species, ecological communities, and wetlands in the Project Area were evaluated using the above-referenced spatial data in conjunction with the preliminary Project design.

4.5.1 Vegetation

The distribution of ecological communities within the Project Area and adjacent areas are consistent with the landscape found within the City of Rochester and Town of Gates. Wetland communities, such as palustrine shallow emergent marsh and palustrine scrub-shrub communities are scattered throughout the Project Area. Upland communities, such as brushy cleared land, urban land, mowed lawns, and successional shrubland communities are also commonly found throughout the entire Project Area. Upland successional hardwood forest and palustrine forested wetland communities are found in a less developed portion of the Project Area, in the Town of Gates. There are no heavily timbered forest management areas within the Project ROW. Table 4-7 provides a cumulative summary of ecological communities within the Project ROW, which is of varying width.

Table 4-7 Community Cover Types Intersecting the Project ROW

Vegetation Community Classification	Description	Community within ROW (Acres)[1]	
		Acres	%
Brushy cleared land	Terrestrial cultural	16.33	40.00
Railroad	Terrestrial cultural	4.59	11.24
Urban structure exterior	Terrestrial cultural	3.29	8.06
Mowed lawn	Terrestrial cultural	1.79	4.39
Paved road/path	Terrestrial cultural	1.13	2.77
Urban vacant lot	Terrestrial cultural	1.02	2.50

Vegetation Community Classification	Description	Community within ROW (Acres)[1]	
		Acres	%
Mowed lawn with trees	Terrestrial cultural	2.34	5.73
Mowed roadside/pathway	Terrestrial cultural	0.12	0.29
Canal	Riverine cultural	0.12	0.29
Successional shrubland	Terrestrial Open upland	3.01	7.37
Successional northern hardwood	Terrestrial Forested upland	0.17	0.42
Common reed marsh	Palustrine cultural	0.06	0.15
Shallow emergent marsh	Palustrine open mineral soil wetland	4.34	10.63
Shrub swamp	Palustrine open mineral soil wetlands	1.56	3.82
Silver maple swamp	Palustrine forested mineral soil wetland	0.95	2.33
TOTAL		**40.82**	**100%**

[1] These acreages were calculated based upon a standard ROW width of 50 feet.

4.5.1.1 Invasive Species

The presence of invasive plant species is a common occurrence along transmission line ROWs and other utility and transportation corridors. Field surveys were completed throughout the Project ROW in November 2018 and May and June 2019, to identify and document areas where invasive plant species were prevalent.

Commonly observed invasive plant species within the Project Area included multiflora rose, common reed grass, autumn olive, cut-leaf teasel (*Dipsacus laciniatus*), black locust (*Robinia pseudoacacia*), Japanese knotweed (*Reynoutria japonica*), and Tartarian honeysuckle (*Lonicera tatarica*).

4.5.1.2 Terrestrial Ecology Impacts and Mitigation

Based on the results of field review, the estimated acreage of wooded cover types that would be potentially removed as a result of the Project is 1.12 acres (0.17 acres of upland forest and 0.96 acres of wetland forest). The long-term conversion of existing forested communities to managed grassland or shrubland will occur as a result of construction and maintenance of the Project. Work within the Project ROW will require the permanent removal of trees and other vegetation,

while improved road access and other construction activities will require the selective clearing of undesirable woody species and/or saplings.

Clearing activities will occur within wooded areas along existing and new ROW, as well as outside of the Project ROW for danger tree removal. No herbicides or pesticides will be used during the construction phase to clear unwanted vegetation. The methods employed to maintain the Project ROW will be consistent with then-effective ROW management practices (including ground applications of New York State-approved herbicides to target vegetation species in accordance with the Applicant's Long-Range ROW Management Plan, as may be amended from time-to-time).

4.5.2 Wetlands

One of the primary functions of wetland communities is to provide critical habitat for various flora and fauna that depend upon the attributes of wetland ecosystems (NYSDEC, 2019). Federal and state agencies, including the United States Army Corps of Engineers (USACE) and NYSDEC, protect wetlands and other waters through regulation and permitting activities.

4.5.2.1 NYSDEC-Regulated Wetlands

New York State's freshwater wetlands are protected under Article 24 of the Environmental Conservation Law, commonly referred to as the Freshwater Wetlands Act. Pursuant to Article 24, the NYSDEC regulates wetlands greater than 12.4 acres or wetlands of any size that possess unique qualities. Additionally, the NYSDEC also regulates wetland adjacent areas, defined as those areas of land or water that are outside a formal wetland boundary, but within 100 feet of the wetland boundary.

Wetlands shown on New York's freshwater wetlands map are classified according to their ability to perform specific wetland functions and provide wetland benefits. Class I wetlands have the highest rank, and the ranking decreases from Classes II through IV. New York State assigns a cover class based on the cover type that constitutes at least 50 percent of the wetland area (NYSDEC Environmental Mapper, 2012).

NYSDEC freshwater wetland mapping indicates there are 3.36 acres of NYSDEC-regulated wetlands (Wetlands GT-3, GT-4, and RH-18) within the Project ROW (NYSDEC, 2019b). Figure 4-4 shows the location of NYSDEC-regulated wetlands. Table 4-8 provides a summary of NYSDEC-regulated wetlands traversed by the Project. All of the wetlands crossed by the Project are Class II wetlands (per NYCRR Part 664, §664.5), which have palustrine forested and/or scrub shrub (PFO/PSS) wetland community characteristics.

Table 4-8 NYSDEC-Regulated Wetlands within the Project Area

NYSDEC Wetland ID	NYSDEC Classification Code/Cowardin Class	Acreage within the Project Area[1]
GT-3	Class II/PFO	0.21
GT-4	Class II/PFO/PSS	2.79
RH-18	Class II/PFO	0.36
Total		**3.36**

[1] These acreages were calculated based upon a preferred ROW width of 50 feet.

4.5.2.2 USACE-Mapped Wetlands

The USACE has regulatory jurisdiction over wetlands and other waters of the United States according to Section 404 of the Clean Water Act (CWA). USFWS NWI maps are used to identify potential existing wetlands within the Project Area. NWI mapping employs the Cowardin classification system (1979) to classify wetland cover types. Many wetlands include more than one cover type, so a wetland is classified based on the most abundant cover type in the wetland. A wetland is assigned multiple cover types if each cover type encompasses 30 percent or more of an entire wetland complex. According to NWI mapping, the wetlands within the Project Area are identified as PFO/PSS. See Figure 4-4 for the location of the NWI mapped wetlands.

4.5.2.3 Delineated Wetlands

Field delineation of wetlands and streams took place in November of 2018 and May and June of 2019. Results of those investigations identified the presence of 21 wetlands within which 6.90

acres are crossed by the Project. Table 4-9 summarizes the results of the individual wetlands identified in the Project ROW.

Table 4-9 Delineated Wetlands within the Project ROW

Wetland ID	Wetland Type[1]	Area within the Project ROW (Acre)[2]
W-001	PEM	0.03
W-002	PEM PFO	1.06 0.05
W-003	PEM	0.26
W-004	PEM	0.03
W-005	PEM PFO PSS	1.38 0.11 0.49
W-006	PEM	0.16
W-007	PEM PSS	0.004 0.01
W-008	PEM	0.03
W-009	PEM PFO PSS	0.35 0.14 0.12
W-010	PEM	0.09
W-011	PEM	0.19
W-015	PFO	0.38
W-016	PSS	0.08
W-017	PFO PSS	0.20 0.06
W-018	PEM PFO PSS	0.06 0.002 0.01
W-019	PEM	0.003
W-020	PEM	0.01
W-021	PEM	0.08
W-022	PEM	0.03
W-023	PEM	0.002
W-024	PEM PFO PSS	0.31 0.08 1.09

Wetland ID	Wetland Type[1]	Area within the Project ROW (Acre)[2]
Total		**6.901**

[1] PEM: Palustrine Emergent; PFO: Palustrine Forested; PSS: Palustrine Scrub Shrub
[2] These acreages were calculated based upon a standard ROW width of 50 feet.

4.5.2.4 Wetland Impacts and Mitigation

Potential effects to wetland areas may occur directly or indirectly during Project construction and operation. Every practical attempt will be made to minimize the area of permanent disturbance. The long-term or permanent loss of wetlands and wetland functions during construction are not anticipated, although the conversion of approximately 0.96 acres of forested wetland communities to shallow emergent marsh and/or scrub-shrub wetland communities is anticipated as a result of the addition of New ROW.

Mitigation strategies will be utilized to address short-term (temporary) wetland impacts during construction. Sediment and erosion control methods will also be implemented, which may include silt fencing, use of equipment mats, and planting/seeding/mulching of exposed soils to prevent soil erosion and sedimentation in nearby wetlands and surface waters due to runoff. Wetland disturbance will be minimized by staging construction materials outside of wetlands and utilizing equipment mats when moving equipment in wetlands and agricultural areas whenever possible. In addition, the use of existing access roads will be exercised whenever possible. When not an option, access roads will generally be temporary, and the area will be restored to pre-construction condition following completion of work in the area. All mitigation strategies; erosion and sediment control techniques; and temporary and permanent access roads will be identified during final design, and will be included in the EM&CP.

4.6 Wildlife

Wildlife habitats in Monroe County are largely associated with the primary land uses including urban, industrial, railroad ROW, suburban residential, upland forests, and wetland/riparian areas. A summary of representative wildlife reasonably expected to occur in the Project Area and adjacent areas is shown on Table 4-10.

Urban, Residential, and Industrially Developed Communities

Land use practices, including railroad, road and utility corridor maintenance; industrial urban activity; and residential development, have extensively modified and/or fragmented existing wildlife habitats within the Project Area. Wildlife species composition and abundance within the Project Area varies based on factors such as habitat size and adjacent land use. A greater diversity and number of animal species often reside in transition areas between different ecological communities, such as shrubby corridors between residential properties or the Project ROW, or established forest. Amphibians and reptiles likely to occur in transition areas include the eastern American toad (*Anaxyrus americanus*), eastern garter snake (*Thamnophia sirtalis*), the eastern milk snake (*Lampropeltis triangulum*), and the black rat snake (*Pantherophis obsoletus*).

Birds commonly found in these types of habitat include red-winged blackbird (*Agelaius phoeniceus*), European starling (*Sturnus vulgaris*), and field sparrow (*Spizella pusilla*).

Successional Upland Forest and Forested Wetland Communities

Upland and wetland forest communities within the Project Area provide habitat for wildlife species that favor forest edge conditions, such as warbler species [i.e., common yellowthroat (*Geothlypis trichas*) and wood warbler (*Phylloscopus sibilatrix*)], orchard orioles (*Icterus spurius*), Baltimore oriole (*Icterus galbula*), black-capped chickadee (*Poecile atricapillus*), , turkey vultures (*Cathartes aura*), wild turkey (*Meleagris gallopavo*), and several woodpecker species [hairy (*Leuconotopicus villosus*), downy (*Picoides pubescens*) , and pileated (*Dryocopus pileatus*)]. The forested wetlands located throughout the Project Area provide habitat for waterfowl, including Canada goose (*Branta canadensis*), great blue heron (*Ardea herodias),* and a variety of duck species [i.e., mallard (*Anas platyrhynchos*), green wing teal (*Anas carolinensis*), and wood duck (*Aix sponsa*)]. Common mammals that utilize forested habitats and likely occur within the Project Area include the eastern gray squirrel (*Sciurus carolinensis*), red squirrel (Sciurus vulgaris), eastern chipmunk (*Tamias striatus*), whitetail deer (*Odocoileus virginianus*), raccoon (*Procyon lotor*), red fox (*Vulpes vulpes*), woodchuck (*Marmota monax*), little brown bat (*Myotis lucifugus*), and opossum (*Didelphis virginiana*).

Successional Communities

Successional community types, such as successional shrubland, provide nesting and escape cover for a variety of wildlife species. Various songbirds, such as gray catbird (*Dumetella carolinensis*), American goldfinch (*Spinus tristis*), northern cardinal (*Cardinalis cardinalis*), cedar waxwing (*Bombycilla cedrorum*), and field sparrow (*Spizella pusilla*), require low brushy vegetation for nesting, rearing young, and coverage for escape. Common mammals typically found in these types of brushy successional habitat include whitetail deer and eastern cottontail rabbit (*Sylvilagus floridanus*). Raccoon and striped skunk (*Mephitis mephitis*) are especially expected in this type of successional forest due to its proximity to wetland/riparian areas where their primary forage occurs. Common reptiles and amphibians that may occur in successional habitats include a variety of newts, salamanders, and snakes. In addition, some of the shrub species found in these areas produce berries, which provide a quality food source for many birds and mammal species.

Shallow Emergent Marsh Wetland Community

Due to the presence of shallow emergent marsh wetlands within the Project Area, some wetland/aquatic habitats exist. These areas provide a source of food, water, and cover to a variety of waterfowl and many of the upland species mentioned previously. These communities also may support, amphibians, and a diversity of insects and aquatic invertebrates. They are preferred foraging areas for aerial insectivores, including songbirds and bats. In addition, these communities provide habitat for various wetland/aquatic wildlife species, such as Canada goose, mallard, wood duck, and reptiles such as painted turtle (*Chrysemys picta*), green frog (*Lithobates clamitans*), spring peepers (*Pseudacris crucifer*), bullfrog (*Lithobates catesbeiana*), and eastern American toad (*Anaxyrus americanus*).

Table 4-10 Summary of Representative Wildlife Reasonably Expected to Occur in the Project Area and Adjacent Areas

Common Name	Scientific Name	Common Name	Scientific Name
Amphibians			
Bullfrog	*Lithobates catesbeiana*	Northern Dusky Salamander	*Desmognathus fuscus*
Eastern American toad	*Anaxyrus americanus*	Northern leopard frog	*Lithobates pipiens*
Eastern red-spotted newt	*Notophthalmus viridescens*	Pickerel frog	*Lithobates palustris*
Green frog	*Lithobates clamitans*	Spring peeper	*Pseudacris crucifer*
Jefferson salamander	*Ambystoma jeffersonianum*	Wood frog	*Lithobates sylvatica*
Reptiles			
Black rat snake	*Pantherophis obsoletus*	Northern brown snake	*Storeria dekayi*
Common snapping turtle	*Chelydra serpentina*	Northern redbelly snake	*Storeria occipitomaculata*
Eastern garter snake	*Thamnophia sirtalis*	Northern ringneck snake	*Diadophis punctatus edwardsi*
Eastern milk snake	*Lampropeltis triangulum*	Northern water snake	*Nerodia sipedon*
Northern black racer	*Coluber constrictor*	Painted turtle	*Chrysemys picta*
Birds			
American crow	*Corvus brachyrhynchos*	Hairy woodpecker	*Leuconotopicus villosus*
American robin	*Turdus migratorius*	Mallard duck	*Anas platyrhynchos*
American goldfinch	*Spinus tristis*	Northern cardinal	*Cardinalis cardinalis*
Baltimore oriole	*Icterus galbula*	Orchard oriole	*Icterus spurius*
Black-capped chickadee	*Poecile atricapillus*	Pileated woodpecker	*Dryocopus pileatus*
Canada goose	*Branta canadensis*	Red-shouldered hawk	*Buteo lineatus*
Cedar waxwing	*Bombycilla cedrorum*	Red tailed hawk	*Buteo jamaicensis*
Common yellowthroat	*Geothlypis trichas*	Red-winged blackbird	*Agelaius phoeniceus*
Downy woodpecker	*Picoides pubescens*	Turkey vulture	*Cathartes aura*
European Starling	*Sturmus vulgaris*	Wild turkey	*Meleagris gallopavo*
Gray catbird	*Dumetella carolinensis*	Wood duck	*Aix sponsa*

Common Name	Scientific Name	Common Name	Scientific Name
Great blue heron	*Ardea herodias*	Wood warbler	*Phylloscopus sibilatrix*
Green-winged teal duck	*Anas carolinensis*		
Mammals			
Coyote	*Canis latrans*	Opossum	*Didelphis virginiana*
Deer mouse	*Peromyscus maniculatus*	Raccoon	*Procyon lotor*
Eastern chipmunk	*Tamias striatus*	Red fox	*Vulpes vulpes*
Eastern cottontail rabbit	*Sylvilagus floridanus*	Red squirrel	*Sciurus vulgaris*
Eastern gray squirrel	*Sciurus carolinensis*	Striped skunk	*Mephitis mephitis*
Eastern mole	*Scalopus aquaticus*	White-tailed deer	*Odocoileus virginianus*
Little brown bat	*Myotis lucifugus*	Woodchuck	*Marmota monax*

Sources: NYNHP, 2019; WNY Wildlife, 2019.

4.6.1 Wildlife Impacts and Mitigation

Wildlife species and habitat occurring within the Project Area are common throughout Monroe County. Since only a small greenfield area will need to be acquired for the Project, the level of impact associated with the widening of the Existing ROW is expected to result in a minimal change in the structure and function of wildlife habitat within the Project Area.

Project construction and maintenance will likely require wildlife species to temporarily seek suitable habitat in adjacent areas. Those species preferring edge and early successional habitats are expected to return following construction and restoration activities. The greatest impact to wildlife is expected to occur in those areas where forested communities will be permanently converted to other community types (i.e., northern hardwood forest, shrubland, shallow emergent marsh, etc.). Although some species would benefit from an increase in early successional and edge habitats, species that require forest cover types for food, shelter, and nesting may be adversely affected. It is also possible that early successional habitat would provide new foraging corridors for predatory species.

4.7 Threatened and Endangered Species

Section 7(a) of the Endangered Species Act (ESA) includes a national program, headed by the USFWS, focused on the conservation of threatened and endangered species and their respective habitats.

The USFWS New York field office publishes Federally-listed Threatened and Endangered Species and Candidate Species County Lists regarding the occurrence of federally protected species, which is available through the IPaC service. An IPaC Official Species List, obtained on January 2, 2020, states that there are no federally listed species within the Project Area (see Attachment 4-A).

A letter request was submitted to the NYNHP for information regarding the presence of threatened and endangered species and unique natural communities in the Project Area. In letters dated August 10 and September 18, 2018, the NYNHP responded that they had no records of rare or state listed animals or plants, or significant natural communities, on or in the immediate vicinity of the Project. Copies of the foregoing correspondence are provided in Attachment 4-A.

4.7.1 Threatened and Endangered Species Effects and Mitigation

Given the low probability for impacting federal or state listed species, no mitigation is proposed.

4.8 Topography and Soils

4.8.1 Topography

Surficial topography along the Project ROW is nearly level, but slopes gently towards Lake Ontario to the north. The surface is transected by small dendritic streams that drain into Lake Ontario or the Genesee River. The surface is also transected by man-made features, such as the Erie Canal, elevated roadways, and sunken roadways, all of which create small areas of steep topography. The Project ROW generally slopes downward towards the east and north. Based on the Google Earth Terrain Model, approximate elevations range from 520 feet above sea level (ASL) in the north in the vicinity of Station 48 to 590 feet ASL in the south in the vicinity of Station 418. The Project ROW does not cross or follow any significant ridge lines or high points.

Locating the Project within or adjacent to Existing ROWs that already containing electric line structures minimizes any impacts due to its proposed location on small areas of steep slopes.

4.8.2 Geology

The Project is located within the Ontario Lowlands region of New York. In this region, there is an unconformity between bedrock and the older basement rock that was formed during the Early Cambrian time period. In Monroe County, exposed bedrock includes folded Queenston shale; sandstone and shale of the Medina group, sandstone, shale, conglomerate, and limestone of the Clinton group; limestone, sandstone, and dolostone of the Lockport group; and dolostone and shale of the Salina group.

The surficial geology along the proposed transmission route is Pleistocene-aged glacial till consisting of poorly sorted, variable mixture of silt, clay, sands, and coarse fragments of varying sizes. This material was deposited by the Laurentide Ice Sheet during the Wisconsinan Stage of glaciation.

According to the NRCS Web Soil Survey, depth to bedrock along the Project ROW averaged greater than 200 centimeters, except for Lima and Cazenovia soils (LoB; 101 – 183 centimeters), Riga silt loam (RgB; 51 – 101 centimeters), and Sun loam (St; 51 – 101 centimeters) (Figure 4-5).

The Project ROW is adjacent to a mine/quarry (Rochester Asphalt Materials/Dolomite Products) located at 1175 Buffalo Road in the Town of Gates. No other gravel pits, mines or gas/oil wells are located along the Project ROW (NYSDEC, Division of Mineral Resources, 2019).

According to the NYSDEC Environmental Resource Mapper, there are four Unique Geological Features located within three miles of the Project (NYSDEC, 2019a). These features are all greater than one mile from the Project and will not be impacted (Figure 2-1).

Table 4-11 Unique Geological Features within Three Miles of the Project

Number	Figure	Name	Description	Type	County
1	2-1.5	Seth Green Drive	Lower Falls, Rochester Gorge, Upper Ordovician to Middle Silurian, overlain by Pleistocene till; Sedimentary features	Riverside	Monroe
2	2-1.8	Browns Race – Rochester City	High Falls (Upper Falls)	Riverside	Monroe
3	2-1.8	South Avenue – Rochester City	Penfield Fm., Lockport Group in the Genesee River	Riverside	Monroe
4	2-1.8	Court Street Dam – Rochester City	Genesee River, Aqueduct	Dam	Monroe

4.8.3 Soils

A review of USDA-NRCS Soil Surveys of Monroe County was completed to document the soil types/associations mapped along the Project ROW. Soil survey data for soils mapped along the Project ROW in Monroe County are outlined in Table 4-12. In general, soils identified within the Project Area range from very poorly drained soils in wetland areas to somewhat excessively drained soils in uplands. Evaluation of soils data contained in Table 4-12 includes depth to bedrock (Figure 4-5); depth to the water table, drainage characteristics, hydric soils (Figure 4-6); and prime farmland and soils of statewide importance (Figure 4-7).

Of the soils mapped along the Project ROW (Table 4-12), ten are classified as Prime Farmland, three are classified as Prime Farmland if drained, and four are classified as Farmland of Statewide Importance as defined by the USDA-NRCS. However, these soils do not necessarily correspond to active agricultural areas. Instead, the soils meet certain physical and chemical criteria including soil properties, growing season, and moisture supply needed to produce sustained high yields of crops when treated and managed according to acceptable farming methods (USDA-NRCS 2000). The Project ROW does not traverse any active agricultural lands.

Table 4-12 NRCS-Mapped Soils within the Project ROW in Monroe County

Soil Series	Depth to Bedrock (cm)	Depth to Water Table (cm)	Hydric Soil Rating	Drainage Class	Farmland Class
Canandaigua silt loam (Ca)	> 200	0	Hydric	Very poorly drained	Not prime farmland
Cazenovia gravelly loam (CgA)	> 200	92	Not Hydric	Well drained	All areas are prime farmland
Claverack loamy fine sand (CkB)	> 200	54	Not Hydric	Moderately well drained	All areas are prime farmland
Colonie loamy fine sand (CoB)	> 200	> 200	Not Hydric	Well drained	All areas are prime farmland
Cosad loamy fine sand (Cu)	> 200	31	Hydric	Somewhat poorly	Prime farmland if drained

Soil Series	Depth to Bedrock (cm)	Depth to Water Table (cm)	Hydric Soil Rating	Drainage Class	Farmland Class
				drained	
Cut and fill land (Cw)	> 200	137	Hydric	Moderately well drained	Not prime farmland
Dunkirk silt loam (DuB)	> 200	> 200	Not Hydric	Well drained	All areas are prime farmland
Elnora loamy fine sand (ElB)	> 200	54	Not Hydric	Moderately well drained	All areas are prime farmland
Fresh water marsh (Fw)	> 200	0	Hydric	Very poorly drained	Not prime farmland
Galen very fine sandy loam (GaB)	> 200	54	Not Hydric	Moderately well drained	All areas are prime farmland
Hilton-Cazenovia complex, stony (HmB)	> 200	54	Not Hydric	Moderately well drained	All areas are prime farmland
Lakemont silt loam (Le)	> 200	0	Hydric	Poorly drained	Farmland of statewide importance
Lamson very fine sandy loam (Lm)	> 200	0	Hydric	Very poorly drained	Not prime farmland
Lima and Cazenovia soils (LoB)	122	54	Hydric	Moderately well drained	All areas are prime farmland
Made land (Mb)	> 200	137	Hydric	Moderately well drained	Not prime farmland
Minoa very fine sandy loam (Mn)	> 200	31	Hydric	Somewhat poorly drained	Prime farmland if drained
Odessa silt loam (OdA)	> 200	20	Hydric	Somewhat poorly drained	Prime farmland if drained
Ontario fine sandy loam (OfC)	> 200	> 200	Not Hydric	Well drained	Farmland of statewide importance
Ontario loam (OnB)	> 200	> 200	Not Hydric	Well drained	All areas are prime farmland
Pits and quarries (Pu)	> 200	> 200	Hydric	No Data	Not prime farmland
Riga silt loam (RgB)	77	69	Not Hydric	Moderately well drained	Farmland of statewide importance
Schoharie silt loam (SeB)	> 200	76	Not Hydric	Moderately well drained	All areas are prime farmland
Sun loam, moderately shallow variant (St)	91	23	Hydric	Poorly drained	Farmland of statewide importance
Urban land (Ub)	> 200	> 200	Hydric	No Data	Not prime farmland
Water (W)	> 200	> 200	Not Hydric	No Data	Not prime farmland

Source: USDA-NRCS Service Web Soil Survey (Soil Survey Staff, 2019).

4.8.4 Geological Impacts and Mitigation

Construction and maintenance activities within the Project Area will not result in cumulative effects relative to topographic and soil conditions. Excavations will be limited to structure installations.

Extensive alterations of slope and gradient are not anticipated in the Project Area. Minor changes to topography will occur due to grading in work areas and construction of temporary access roads. The Project will be designed and constructed to be compatible with onsite geologic conditions. No geologic or environmental concerns exist that would have a long-term effect on the integrity of structures, as demonstrated by the long-standing presence of existing electric line structures within or adjacent to the Project ROW. To mitigate temporary impacts, disturbed soils

will be re-graded to pre-construction contours. Soil erosion and sediment controls will be implemented during construction activities.

4.9 Water Resources

This section provides an assessment of the potential effects to local water sources as a result of Project construction activities. Efforts undertaken to avoid or minimize these potential impacts, as well as mitigation practices, will be identified to address unavoidable impacts. These mitigation measures will be shown in the Project design drawings included in the EM&CP.

4.9.1 Affected Environment

A desktop geo-spatial analysis was completed, using the proposed Project layout, existing information from federal and state agency data sources, and a literature review of published data, to determine the likely presence and extent of water resources in the Project Area. Water resource information was obtained from topographical maps from the NYSDEC Division of Water (NYSDEC, 2010) which provides information regarding the classifications and standards of quality and purity assigned to the identified surface waters. Existing conditions were field verified.

4.9.1.1 Surface Waterbodies

The Project Area is located within the Lower Genesee Basin (Hydrologic Unit Code 04130003), which drains much of western New York State. Water from Little Black Creek crosses the Project, flowing south east through the Town of Gates until its confluence with the Genesee River. The Genesee River flows north until it discharges into Lake Ontario at Irondequoit Bay in the City of Rochester. The Genesee River originates in the Allegheny Plateau of Northern Pennsylvania. The water quality of the Genesee River is generally satisfactory with the majority of the water quality concern focused on urban stormwater and industrial runoff in the northern most part of the watershed in the City of Rochester. Three dams are located on the Genesee River. Waters in the Erie Canal flow west, continuing through a series of dams and locks through western New York until the water's confluence with Lake Erie. The Genesee River and Erie Canal have multiple uses including navigation, hydroelectric power generation, fishing, contact recreation, some drinking water supply, and waste disposal.

Major streams within the Project Area include the Erie Canal, the Canal's associated tributaries, and Little Black Creek. Figure 4-8 depicts the locations of water resources identified within the Project Area as mapped by the NYSDEC and verified during field investigations in November 2018 and May and June 2019. Background research included review of *The Final New York State 2010 Section 303(d) List of Impaired Waters Requiring a TMDL/Other Strategy* (NYSDEC, 2018) to identify waters that do not support specific water uses and that may require development of a Total Maximum Daily Load (TMDL). Results of that review indicate there are no listed impaired waters within the Project Area.

Mapped NYSDEC-classified streams crossing the Project ROW are identified in Table 4-13. The classified streams include four Class C streams and one protected Class B stream. The Class B stream is the Erie Canal. A Class B classification indicates the best usage is for swimming and other contact recreation, but not drinking water.

Table 4-13 NYSDEC-Mapped Streams Located within the Project ROW

Town/City	Surface Waterbody Name	Number of Project Crossings	NYSDEC Class
Rochester	Erie Canal	1	B
Rochester	Unnamed Tributary to Erie Canal	1	C
Gates	Unnamed Tributary to Erie Canal	1	C
Gates	Unnamed Tributary to Erie Canal	1	C
Gates	Little Black Creek	1	C

Source: NYSDEC, 2019a

There are also three Class C unnamed tributaries to the Erie Canal and one Class C unnamed tributary to Little Black Creek mapped within and adjacent to the Project ROW.

Three streams were delineated as crossing the Project ROW. Two of which appeared to be NYSDEC-mapped streams. One was an unclassified stream associated with a delineated wetland. Table 4-14 summarizes the streams identified within the Project ROW.

Table 4-14 Delineated Streams within the Project ROW

Field ID	Flow Regime	Linear feet within the Project ROW	Comments
S-001	Ephemeral	100	Associated with Wetland W-002
S-002	Perennial	50	Erie Canal (NYSDEC Class B Stream), traditional navigable water
S-003	Intermittent	286	Unnamed tributary to Erie Canal (NYSDEC Class C Stream)

4.9.1.2 Stormwater Management

Generally, stormwater runoff from construction of an electric transmission line ROW is via overland flow, and few structural measures are needed to control stormwater discharges. Temporary BMPs to control stormwater runoff during construction activities may include silt fence, construction matting, and erosion control blankets. Such measures, to be implemented until final stabilization of the Project Area is complete, will be provided on a site-specific basis in the EM&CP. Proposed stormwater management practices will effectively minimize and control stormwater runoff to avoid an increase in stormwater runoff volume, erosion, and flood potential within the Project Area and surrounding lands. No perceptible increase in stormwater runoff volume is anticipated as a result of the work at Station 48 and Station 418. An evaluation will be conducted for the expanded substation areas to determine if permanent stormwater measures are necessary, and the results of that evaluation will be addressed in the Project's Stormwater Pollution Prevention Plan (SWPPP).

4.9.2 Water Resource Effects and Mitigation

Water basins and watercourses are protected by the USACE, which has regulatory jurisdiction over Navigable Waters of the United States, pursuant to Section 10 of the 1899 Rivers and Harbors Act, and other jurisdictional waters of the U.S. (lakes, rivers, streams, and wetlands), pursuant to Section 404 of the CWA.

Because the Project will be installed on overhead lines exclusively, structures generally will be located to span streams within the Project ROW. Furthermore, structure placement will avoid the discharge of fill material to jurisdictional wetlands to the extent practicable.

Project impacts to surface waters could potentially result from clearing and grading in areas adjacent to, within, and downstream of the Project ROW. Clearing activities will also extend beyond the Project ROW where danger tree removal is necessary. Small spills, including diesel and gasoline fuels, lubricating oils, and cooling fluids, may result from operation of construction equipment and vehicles. All spills will be reported and cleaned up in accordance with the applicable regulations.

Vehicular access across streams and other watercourses will be avoided, to the extent possible. Stream crossing will take place where existing stream crossings are available, to the extent possible. Factors used to determine the appropriate crossing type to be installed at each location include channel characteristics, stream bottom substrate, stream gradient and flow, riparian vegetation, resource value, assessment of erosion potential, and an estimate of potential stream flow at the time of construction. The stream crossing type for each crossing location will be identified on the EM&CP plan and profile drawings. Care will be taken to ensure that stream flow remains uninhibited and to avoid damage to the stream banks during the installation and removal of crossing materials.

Stream crossings will utilize equipment mats and other minimally-intrusive bridge materials that are designed to minimize stream bed and bank disturbance and water quality impacts. They will be installed at right angles to the stream, where practicable,

Unless otherwise specified in the EM&CP, temporary stream crossings in those waters that may support fish spawning, nursery or migration activities will be avoided during fish spawning periods. Blasting is not anticipated to be necessary during any portion of Project construction and in any event, no explosives will be used in or near streams or other water bodies.

Any potential impacts to streams and other water bodies, such as minor increases in turbidity, would be short-term only. Implementation of the BMPs, will ensure that the Project will have only minor impacts on the NYSDEC-classified streams crossings identified in Table 4-13. Unless otherwise specified in the EM&CP, BMPs will be the designed standard and will be maintained in accordance with state guidelines.

In portions of the Project Area where shallow groundwater sources are identified (see Table 4-12), dewatering may be required during construction activities. Should dewatering be required, a dewatering filter bag will be used or a temporary sedimentation basin will be created to receive dewatering effluent. Once filtered and/or settled, clear water will be pumped or allowed to flow onto a vegetated area. Straw bales, filter fabric, and other materials, would be used to construct the retention structures and basins. Dewatering plans will be presented in the EM&CP.

4.10 Noise

Operation and maintenance of the Project is not expected to result in significant noise impacts on a permanent basis. Temporary noise impacts will result from various Project construction activities.

4.10.1 State Noise Standards

NYSDEC published a program policy in 2001 titled *Assessing and Mitigating Noise Impacts.* The NYSDEC policy provides a suggested guideline for determining the threshold for the potential onset of adverse noise impacts. These guidelines assess impact in terms of an allowable incremental increase in noise relative to existing acoustic conditions. The NYSDEC method is based on the perceptibility of a new sound source and identifies limits relative to the existing conditions at the nearest residences or other potentially sensitive receptors (i.e., schools, churches, etc.). In areas not sensitive to noise (i.e. vacant land) the application of the NYSDEC criteria may not be appropriate.

The NYSDEC program policy states that a 0-3 decibel (dB) increase in noise should have no appreciable effect on receptors. Noise level increases from 3-6 dB may potentially result in adverse noise impact, but only in the presence of the most sensitive receptors. Sound pressure increases above 6 dB may require closer analysis of impact potential to account for factors including existing sound pressure levels and surrounding land use and receptors.

The NYSDEC program policy defines a typical quiet suburban background sound level at 45 A-weighted decibels (dBA). Therefore, a total cumulative sound level of 51 dBA, or delta 6 dBA above the NYSDEC typical background sound level, would be the threshold for a

potential onset of adverse noise impact in quiet suburban settings. The areas with the lowest ambient levels will likely be residential areas located 1-3 miles from the nearest interstate (in the Town of Gates).

Higher sound levels would be the thresholds in other settings, such as the industrial, commercial, and vacant land areas traversed by the Project. For example, the Greater Rochester International Airport is located within two miles of the Project; I-390 and I-490 are within 0.5 miles of the Project in several locations; and an active railroad is located in the same corridor as the Project.

Estimated sound levels of common noise sources in various outdoor acoustic environments, and comparisons of relative loudness are presented in Table 4-15.

Table 4-15 Sound Levels of Common Noise Sources

Noise Source or Activity	Sound Level (dBA)	Subjective Impression
Airplane taking off	140	Threshold of pain
Band concert	120	Uncomfortably loud
Snowmobile	100	Very loud
Manual tools	80	Loud
Freeway traffic	70	Moderate
Normal conversation	60	Quiet
Rainfall	50	Quiet
Quiet library, soft whisper (15 feet)	30	Very quiet
Wilderness with no wind or animal activity	25	Extremely quiet
Normal breathing	10	Just audible
Softest sound a person can hear with normal hearing	0	Threshold of hearing

Source: Center for Hearing and Communication, 2012

4.10.2 Permanent Noise Effects

The existing transformers at Station 418 and Station 48 will not be modified, thus the Project will not result in any new noise sources from either of the existing substations during daily post-construction operations.

Permanent noise sources located outside the substation sites could include the corona effect of the transmission lines under certain atmospheric conditions such as rain, fog, and high humidity, and minor sources from routine inspection and maintenance of the transmission line and substations. However, audible noise from transmission lines is uncommon when voltages are lower than 300 kV, particularly during dry conditions. Post construction sound from corona noise, if audible at all, is expected to create minimal noise impacts at the closest noise-sensitive receptors. The Project will parallel existing lines and it is expected that Proposed Line 949 will generate noise levels similar to or lower than the existing lines with minimal variation related to line geometry and/or conductor-surface conditions.

Post-construction Project inspections and maintenance activities will occur periodically and will generate only minor levels of noise. Traffic noise generated during these activities will be consistent with that already occurring within the Project Area and surrounding areas. These activities will be of short duration; thus, these activities are not expected to result in any significant increased noise impacts.

Vegetation maintenance in the Project ROW may require the use of chain saws. The sound level produced by a chain saw depends on the size rating, manufacturer, and equipment condition. Chainsaw activities would be short-term and limited to daytime hours, except in emergency situations

4.10.3 Temporary Noise Effects

Project construction activities will generate temporary noise levels that are periodically audible. These activities will include access road construction, vegetation clearing, danger tree removal, grading and excavation, expanding or modifying Station 48 and Station 418, and structure installation along the Project ROW. However, work at each structure location is expected to progress very rapidly, thereby significantly reducing the duration of worst-case noise impacts.

Noise will be generated by construction activities within the Project ROW, Station 48, Station 418, off-ROW access roads, marshalling yards and staging areas. Noise sources may include construction equipment and motor vehicle use by Project workers, and trucks moving material to and from work sites. Various construction activities may occur simultaneously with multiple construction crews potentially operating within the Project Area. The construction equipment is similar to equipment used during typical public works projects and tree service operations. Mufflers will be used on such equipment.

Table 4-16 summarizes estimated typical noise levels for phases of construction that will occur approximately 50 feet from residential rear yards, such as between poles 949/910-10 to 949/910-17. In most cases, the houses on those properties will be approximately150 feet away from construction.

Table 4-16 Typical Construction Noise Levels at 50 feet from Residential Rear Yards

Construction Phase	Example Construction Equipment	L_{10} at 50 feet, dBA		L_{max} at 50 feet, dBA	
		Calculated	Criteria	Calculated	Criteria
Site Access and Preparation	Bulldozer Grader Roller – Compactor Loader Dump Truck	87	75	85	85
Structure Foundation Installation	Bulldozer Loader Backhoe-Loader Fork Lift Mobile Crane Auger Rig Drill Rig Compressor Pump Portable Mixer Jackhammer Cement Mixer Truck Dump Truck Slurry Truck Specialty Truck Water Truck	91		89	
Erecting of Support Structures	Forklift Mobile Crane Compressor Flatbed Truck Water Truck	82		81	

Construction	Example	L_{10} at 50 feet, dBA		L_{max} at 50 feet, dBA	
Stringing of Conductors, Shield Wire	Tracked Dozer Backhoe-Loader Compressor Line Puller Mixed Trucks Specialty Truck Water Truck	86		82	

Source: Based on Federal Highway Administration 2006
L_{10} is the noise level exceeded for 10% of the measurement time
Total L_{max} is the value for the loudest piece of equipment

Calculated levels for the 50-foot distance exceed the suggested L_{10} limits by 7-16 dBA. Table 4-17 summarizes construction noise levels at 150 feet from a residence, which will be the more common distance buffer. Most of the closest residences impacted by Project construction activities will be on Pyramid Lane and Sahara Drive in the Town of Gates.

Table 4-17 Typical Construction Noise Levels at 150 feet from Residences

Construction Phase	L_{10} at 150 feet, dBA		L_{max} at 150 feet, dBA	
	Calculated	Criteria	Calculated	Criteria
Site Access and Preparation	78	75	76	85
Structure Foundation Installation	82		79	
Erecting of Support Structures	72		71	
Stringing of Conductors, Shield Wire	76		72	

Source: Based on Federal Highway Administration 2006
Total L_{max} is the value for the loudest piece of equipment

4.10.4 Noise Effects & Mitigation

To minimize noise effects during construction, RG&E will limit construction activities on the Project to the hours of 7:00 a.m. to 7:00 p.m. Monday through Saturday. If due to safety or continuous operation requirements, construction activities are required to occur on Sundays or after 7:00 p.m., RG&E will notify the Commission and the affected municipality at least 24 hours in advance unless safety considerations prohibit making such advance notice.

Noise levels will also be mitigated by the attenuating effects of distance; the intermittent and short-lived character of the noise; the presence of existing vegetation; the presence of homes and buildings (particularly in the more suburban areas); and the use of functional mufflers on all equipment.

4.11 Electromagnetic Fields

Opinion No. 78-13 (in Cases 26529 and 26559), effective June 19, 1978, established the Commission's interim standard for an electric field strength of 1.6 kV/m at the edge of the ROW as calculated at one meter aboveground, with the line at rated voltage. The Commission's *Statement of Interim Policy on Magnetic Fields of Major Electric Transmission Facilities* (in Cases 26529 and 26559), effective September 11, 1990, set a limit for magnetic fields of 200 milliGauss (mG) at the edge of the ROW as measured at one meter aboveground when the circuit phase currents are equal to the Winter Normal conductor rating. Studies of the expected electromagnetic field (EMF) effects using the Winter Normal conductor rating as required by the Commission have been performed for the Project. The studies show that the maximum EMF levels at the edge of the Project ROW do not exceed the levels recommended in the Commission's guidelines in all modeled scenarios. See Attachment 4-B – EMF Report.

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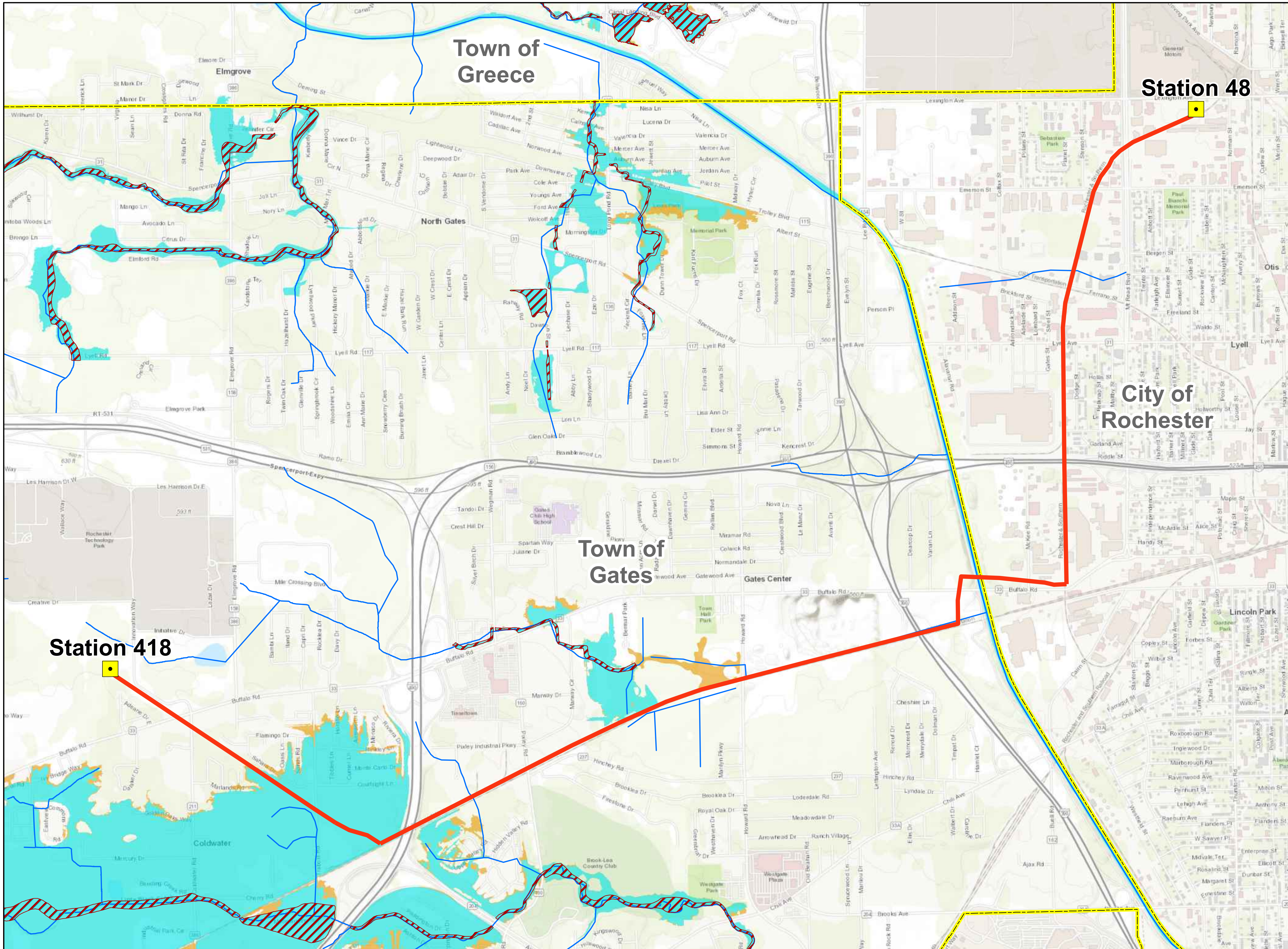


RG&E

Rochester Gas and Electric

Rochester Transmission Project Enhancement

Monroe County, NY

N

0 1,000 2,000 Feet

1:24,000

Legend

- Existing Substation
- Proposed Line 949
- Municipal Boundary
- Regulatory Floodway
- NYSDEC Classified Stream
- 1% Annual Chance Flood Hazard (SFHA)
- 0.2% Annual Chance Flood Hazard

Sources/Notes:
1. Basemap: ESRI World Topographic Map. Updated: 2019
2. Municipal Boundary: NYSGIS Clearinghouse 2018
3. Streams, Regulatory Floodways and Flood Hazard Areas: FEMA Flood Map Service Center 2018
4. FEMA Flood Insurance Rate Maps Community Panel Numbers: 36055C0188G, 36055C0189G, 36055C0193G, 36055C0191G, 36055C0192G
5. Acronym definitions are found in the Acronym List in the Application.

FEMA FLOODPLAINS

FIGURE 4-1

Station 48

Station 418

Town of Greece

Town of Gates

City of Rochester

RG&E

Rochester Gas and Electric

Rochester Transmission Project Enhancement

Monroe County, NY

N

0 1,000 2,000 Feet

1:24,000

Legend

- Existing Substation
- Proposed Line 949
- Municipal Boundary
- Agricultural District No. 5

Sources/Notes:
1. Basemap: ESRI World Topographic Map. Updated: 2019
2. Municipal Boundary: NYSGIS Clearinghouse 2018
3. Agricultural Districts: CUGIR Database 2017
4. Acronym definitions are found in the Acronym List in the Application.

AGRICULTURAL DISTRICTS

FIGURE 4-2

Rochester Gas and Electric Corporation

Rochester Transmission Project Enhancement

Figure 4-3

Visual Simulations

Notes:
Field work was conducted on July 18, 2019, October 8, 2019, and November 8, 2019 and photos were captured with a rear-facing GPS enabled cell phone camera.
All recorded field data was documented using the Collector for ArcGIS cellphone application. This software links to an online, or cloud stored, map of the proposed alignment.
Each location was recorded through the use of an Arrow Gold GNSS GPS unit.
For every recorded location a photo was taken and assigned to that point. Direction of the photos was recorded as an attribute of each recorded point, and documented on field plans as well.

Using the preliminary engineering/final design a geospatially accurate three-dimensional (3D) model depicting the proposed improvements was constructed. The model included the proposed poles and wires that would exist after all improvements were complete. The proposed improvements were constructed from the information presented in preliminary engineering drawings and files, as well as transmission line standards. Once the model was complete, the proposed model views were created.

Geospatially accurate points were then imported into Autodesk InfraWorks. These points were used to create model viewports that align the proposed 3D model with existing conditions captured in the photos. The recorded elevation data, and photo 'eye heights', helped align the vantage of the field photo to the model photo. After the photo locations were established, the views were rotated and location adjusted within the recorded accuracy of the GPS unit to more accurately capture the same field of view as the real photos.

Improving the accuracy of the final integration of the proposed improvements into the plans the existing poles were modeled as continuous poles to their full heights measured from oblique aerial imagery. After the existing poles were created as registration markers two photos were exported from our model and imported into Adobe Photoshop: one with existing poles as 'registration' markers, and one of the proposed model.
To create the final simulations, the existing poles and wires were removed from the field photography and the proposed model information integrated.

Town of Greece

Station 48

Figure 4-3.16
Figure 4-3.17

Figure 4-3.14
Figure 4-3.15

City of Rochester

Town of Gates

Figure 4-3.10
Figure 4-3.11

Figure 4-3.12
Figure 4-3.13

Station 418

Figure 4-3.2
Figure 4-3.3

Figure 4-3.4
Figure 4-3.5

Figure 4-3.6
Figure 4-3.7

Figure 4-3.8
Figure 4-3.9

Coldwater

RG&E

Rochester Gas and Electric

Rochester Transmission Project Enhancement

Monroe County, NY

N

0 1,000 2,000 Feet

1:24,000

Legend

- Existing Substation
- Proposed Line 949
- Municipal Boundary
- Visual Simulation Location

Sources/Notes:
1. Basemap: ESRI World Topographic Map. Updated: 2019
2. Municipal Boundary: NYSGIS Clearinghouse 2018
3. Acronym definitions are found in the Acronym List in the Application.

Visual Simulation Index Map

FIGURE 4-3.1

Figure 4-3.2 Existing ROW looking southeast from Buffalo Road along proposed improvements, taken July 18, 2019

Figure 4-3.3 Simulation of Proposed Line on Existing ROW looking southeast from Buffalo Road along proposed improvements

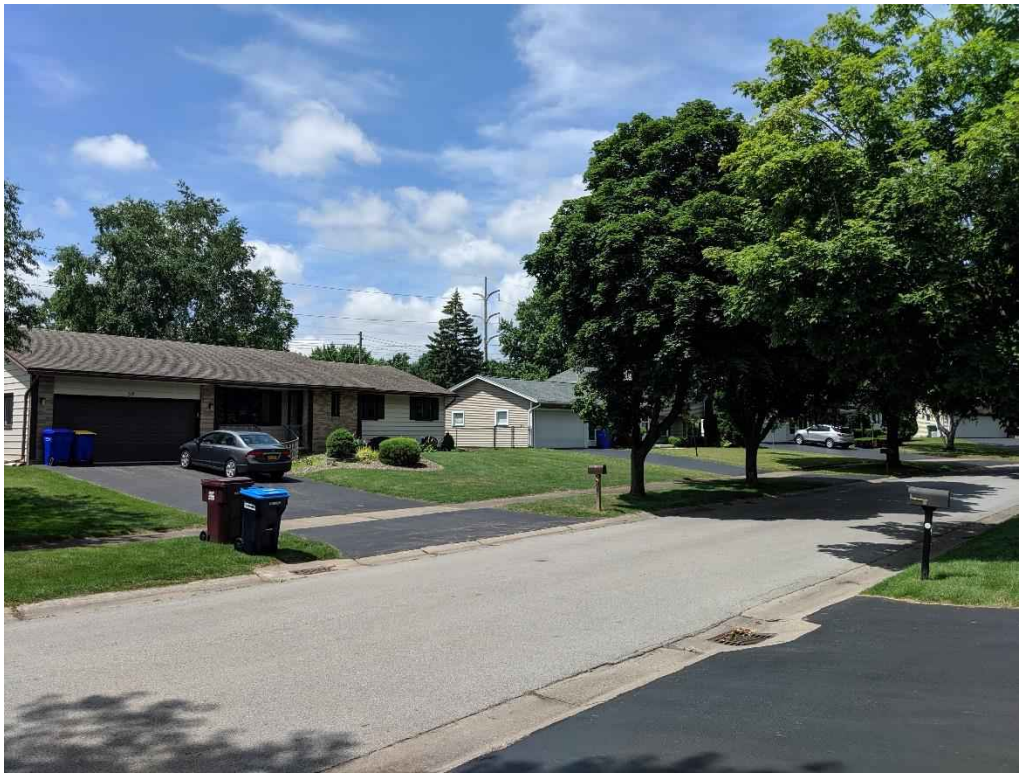


Figure 4-3.4 Existing ROW from Sahara Drive looking southwest, taken July 18, 2019

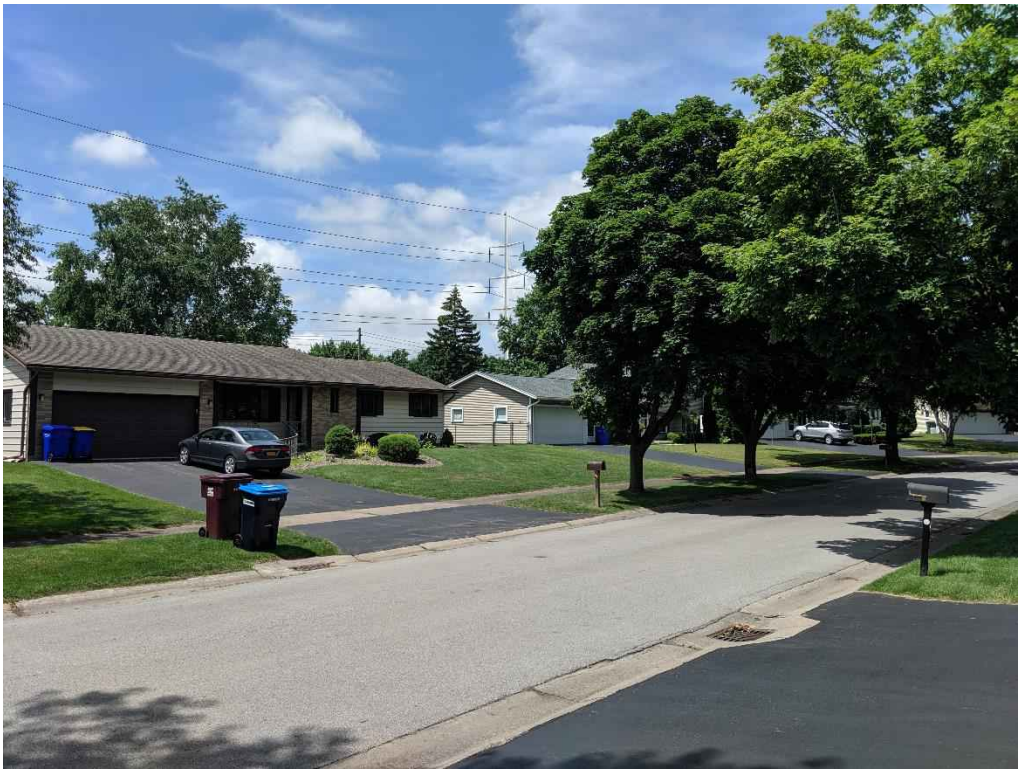


Figure 4-3.5 Simulation of Proposed Line on Existing ROW from Sahara Drive looking southwest

Figure 4-3.6 Existing ROW looking south from shoulder of 490 (west) near mile marker 16, taken October 8, 2019

Figure 4-3.7 Simulation of Proposed Line on Existing ROW looking south from shoulder of 490 (west) near mile marker 16

Figure 4-3.8 Existing ROW looking west from Hinchey Road, taken October 8, 2019

Figure 4-3.9 Simulation of Proposed Line on Existing ROW looking west from Hinchey Road

Figure 4-3.10 Existing ROW looking north along canal trail from Buffalo Road, west of canal, taken October 8, 2019

Figure 4-3.11 Simulation of Proposed Line on Existing ROW looking north along canal trail from Buffalo Road, west of canal

Figure 4-3.12 Existing ROW looking north from canal crossing of Buffalo Road, taken November 8, 2019

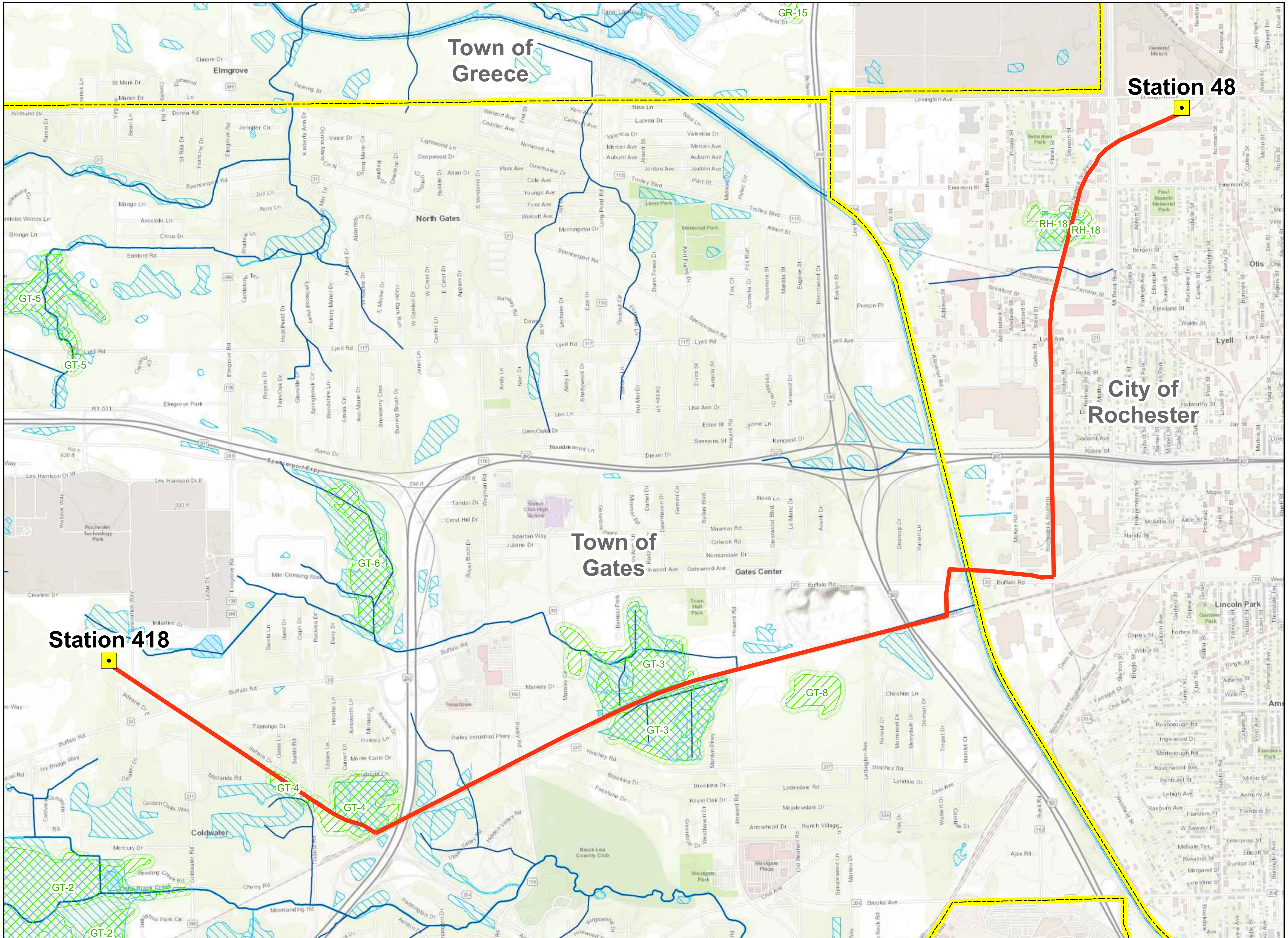
Figure 4-3.13 Simulation of Proposed Line on Existing ROW looking north from canal crossing of Buffalo Road

Figure 4-3.14 Existing ROW looking east from shoulder of 490 (east), taken October 8, 2019

Figure 4-3.15 Simulation of Proposed Line on Existing ROW looking east from shoulder of 490 (east)

Figure 4-3.16 Existing ROW looking south from GM Factory on Lexington Avenue, taken October 8, 2019

Figure 4-3.17 Simulation of Proposed Line on Existing ROW looking south from GM Factory on Lexington Avenue



RG&E

Rochester Gas and Electric

Rochester Transmission Project Enhancement

Monroe County, NY

N

0 1,000 2,000 Feet

1:24,000

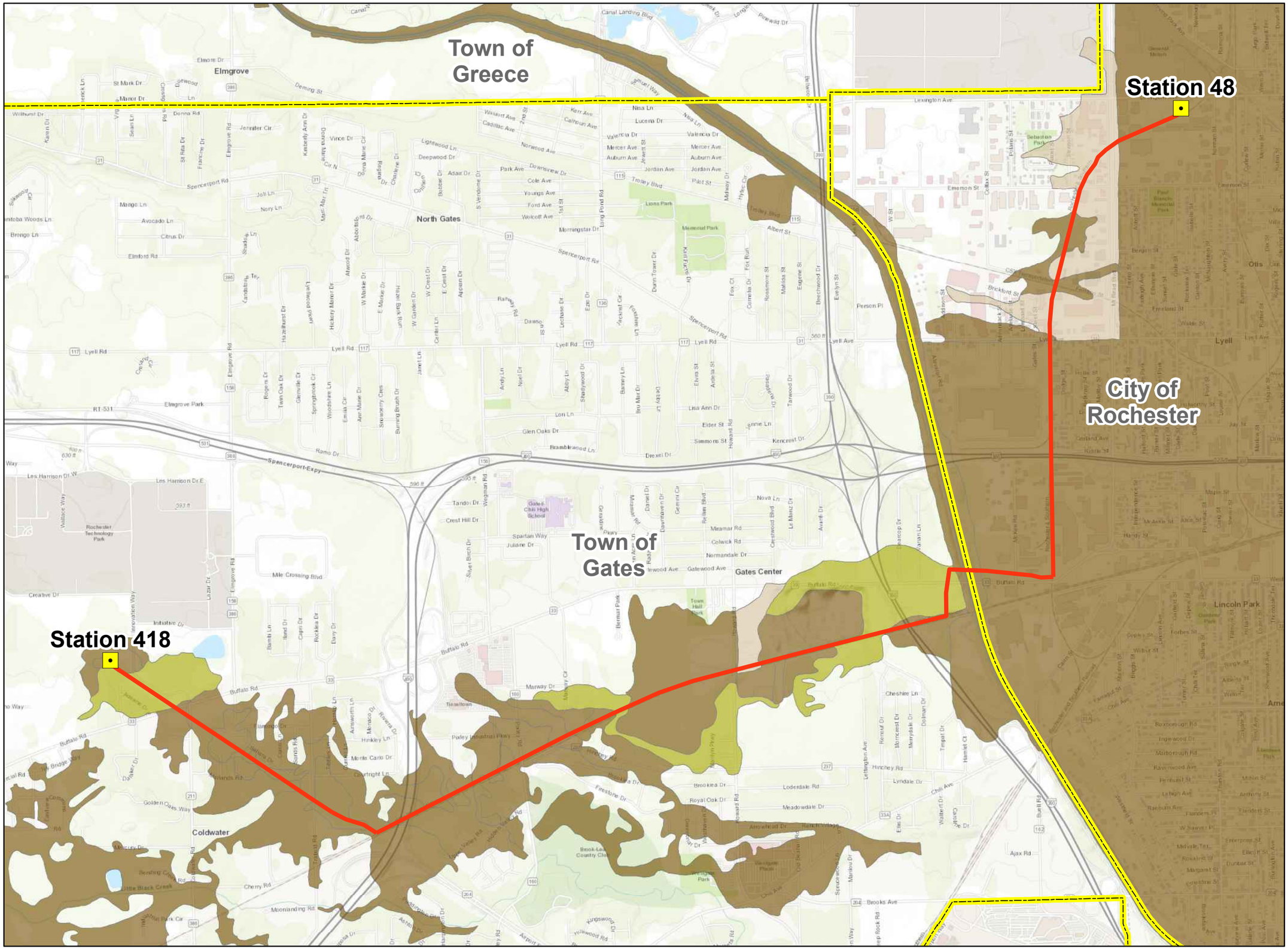
Legend

- Existing Substation
- Proposed Line 949
- Municipal Boundary
- NYSDEC Wetland
- USFWS NWI Wetland
- NYSDEC Classified Stream

Sources/Notes:
1. Basemap: ESRI World Topographic Map. Updated: 2019
2. Municipal Boundary: NYSGIS Clearinghouse 2018.
3. Wetlands: USFWS National Wetland Inventory 1985, NYSDEC Monroe County.
4. Streams: NYSDEC Water Inventory/Priority Waterbodies 2019.
5. Acronym definitions are found in the Acronym List in the Application.

USFWS NWI and NYSDEC Wetlands

FIGURE 4-4



Rochester Gas and Electric

Rochester Transmission Project Enhancement

Monroe County, NY

N

0 1,000 2,000 Feet

1:24,000

Legend

- Existing Substation
- Proposed Line 949
- Municipal Boundary

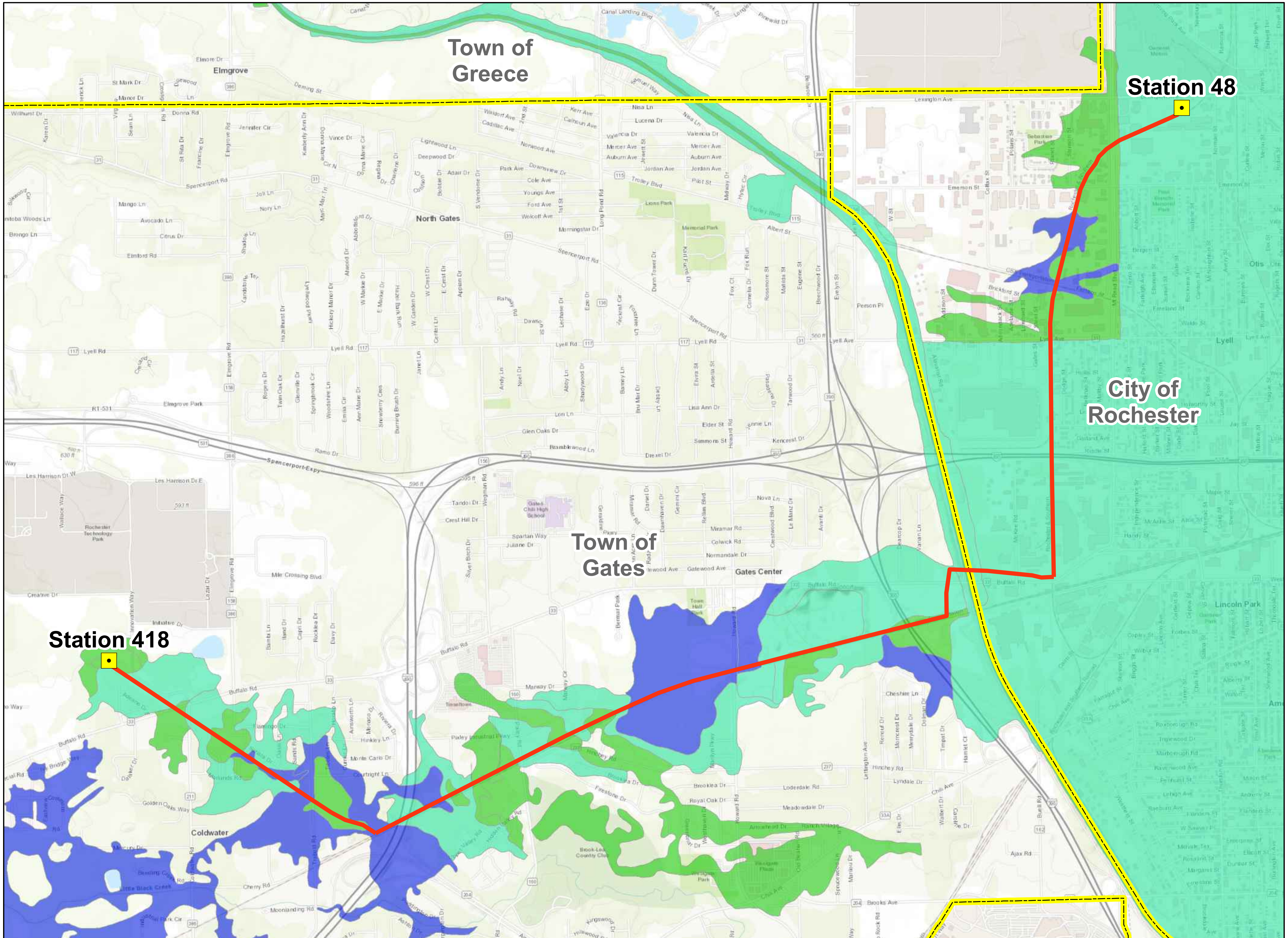
Depth to Bedrock

- 51 - 101 cm
- 101 - 183 cm
- > 200 cm

Sources/Notes:
1. Basemap: ESRI World Topographic Map. Updated: 2019
2. Municipal Boundary: NYSGIS Clearinghouse 2018
3. Soils - Depth to Bedrock: USDA, Natural Resources Conservation Service Web Soil Survey 2019
4. Acronym definitions can be found in the Acronym List in the Application.

SOILS - DEPTH TO BEDROCK

FIGURE 4-5



RG&E

Rochester Gas and Electric

Rochester Transmission Project Enhancement

Monroe County, NY

N

0 1,000 2,000 Feet

1:24,000

Legend

- Existing Substation
- Proposed Line 949
- Municipal Boundary

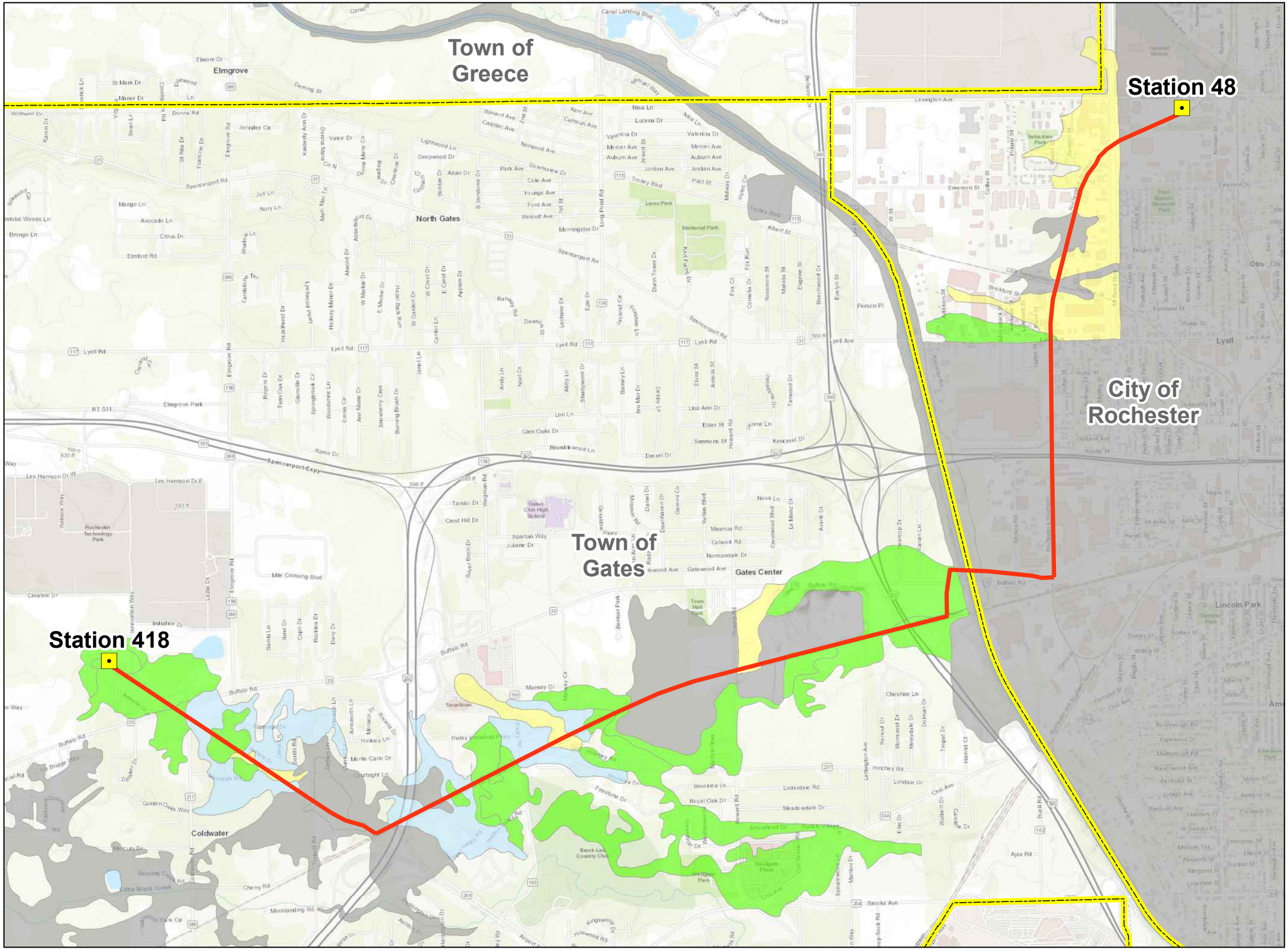
Hydric Soil Rating

- 0%
- 1%- 33%
- 34%- 65%
- 66% - 100%

Sources/Notes:
1. Basemap: ESRI World Topographic Map. Updated: 2019
2. Municipal Boundary: NYSGIS Clearinghouse 2018
3. Soils - Hydric Soil Classification: USDA, Natural Resources Conservation Service Web Soil Survey 2019
4. Acronym definitions are found in the Arconym List in the Applicatoin.

HYDRIC SOILS

FIGURE 4-6



Rochester Gas and Electric

Rochester Transmission Project Enhancement

Monroe County, NY

N

0 1,000 2,000 Feet

1:24,000

Legend

- Existing Substation
- Proposed Line 949
- Municipal Boundary

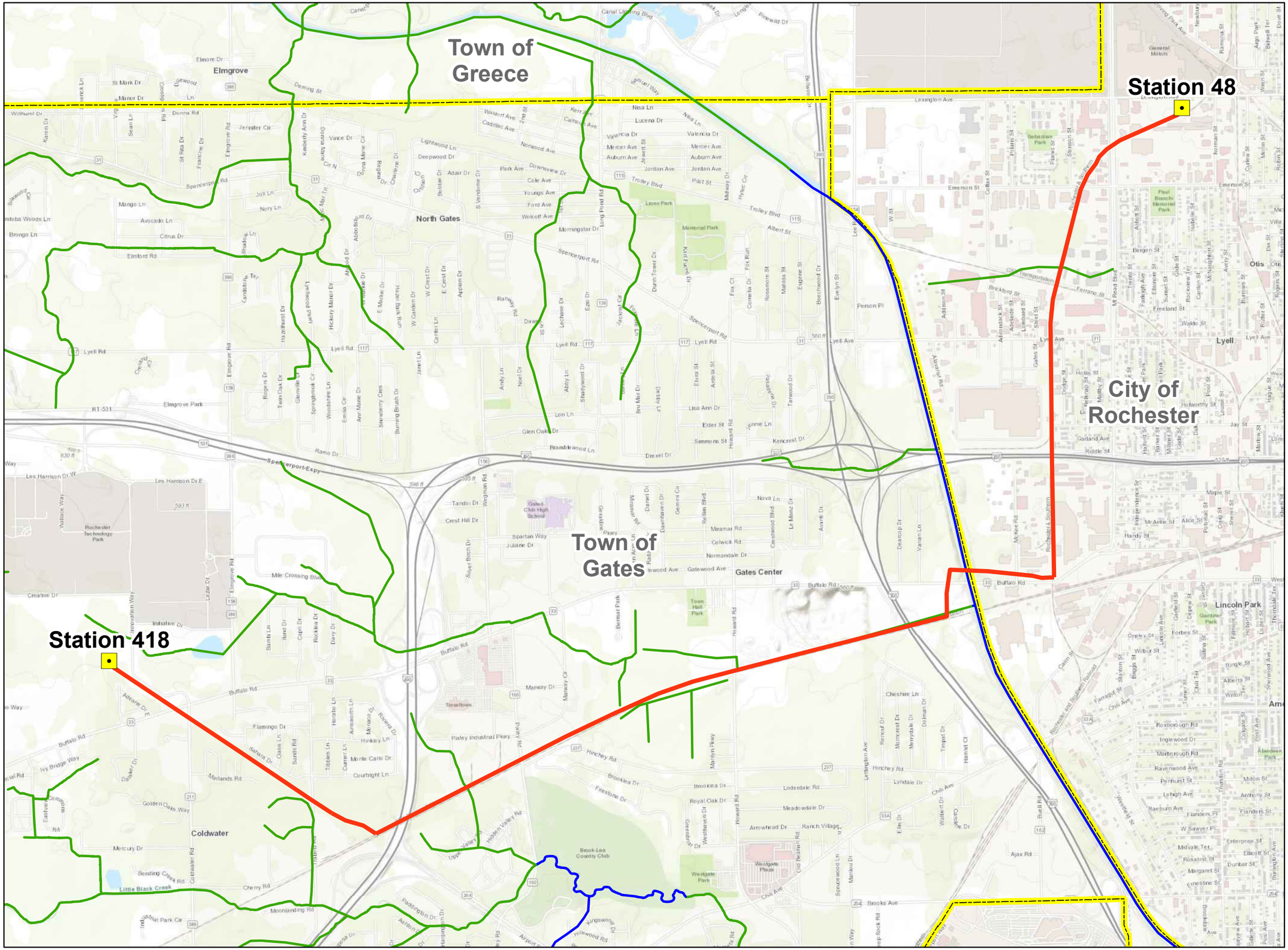
Farmland Classification

- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained
- Not Prime Farmland

Sources/Notes:
1. Basemap: ESRI World Topographic Map. Updated: 2019
2. Municipal Boundary: NYSGIS Clearinghouse 2018
3. Soils - Farmland Classification: USDA, Natural Resources Conservation Service Web Soil Survey 2019
4. Acronym definitions are found in the Acronym List in the Application.

FARMLAND SOILS CLASSIFICATION

FIGURE 4-7



RG&E

Rochester Gas and Electric

Rochester Transmission Project Enhancement

Monroe County, NY

N

0 1,000 2,000 Feet

1:24,000

Legend

- Existing Substation
- Proposed Line 949
- Municipal Boundary
- NYSDEC Classified Protected Stream
- NYSDEC Classified Stream

Sources/Notes:
1. Basemap: ESRI World Topographic Map. Updated: 2019
2. Municipal Boundary: NYSGIS Clearinghouse 2018.
3. Wetlands: USFWS National Wetland Inventory 1985, NYSDEC Monroe County.
4. Streams: NYSDEC Water Inventory/Priority Waterbodies 2019.
5. Acronym definitions are found in the Acronym List in the Application.

NYSDEC Mapped Streams and Surface Waterbodies

FIGURE 4-8

Rochester Gas and Electric Corporation

Rochester Transmission Project Enhancement

Attachment 4-A

Agency Correspondence

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United States Department of the Interior

FISH AND WILDLIFE SERVICE
New York Ecological Services Field Office
3817 Luker Road
Cortland, NY 13045-9385
Phone: (607) 753-9334 Fax: (607) 753-9699
http://www.fws.gov/northeast/nyfo/es/section7.htm

In Reply Refer To: January 02, 2020
Consultation Code: 05E1NY00-2020-SLI-1123
Event Code: 05E1NY00-2020-E-03501
Project Name: RTP Enhancement

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (ESA) of 1973, as amended (16 U.S.C. 1531 *et seq.*). This list can also be used to determine whether listed species may be present for projects without federal agency involvement. New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list.

Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the ESA, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC site at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list. If listed, proposed, or candidate species were identified as potentially occurring in the project area, coordination with our office is encouraged. Information on the steps involved with assessing potential impacts from projects can be found at: http://www.fws.gov/northeast/nyfo/es/section7.htm

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/

eagle_guidance.html). Additionally, wind energy projects should follow the Services wind energy guidelines (http://www.fws.gov/windenergy/) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm; http://www.towerkill.com; and http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the ESA. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

New York Ecological Services Field Office
3817 Luker Road
Cortland, NY 13045-9385
(607) 753-9334

Project Summary

Consultation Code: 05E1NY00-2020-SLI-1123

Event Code: 05E1NY00-2020-E-03501

Project Name: RTP Enhancement

Project Type: TRANSMISSION LINE

Project Description: Establishment of a new 115kV electric transmission line primarily within existing transmission line and railroad ROW through a developed area from The City of Rochester to the Town of Gates.

Project Location:

Approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/place/43.15669463255432N77.6645958887331W

Counties: Monroe, NY

Endangered Species Act Species

There is a total of 0 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries[1], as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

---

1. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Fish and Wildlife, New York Natural Heritage Program
625 Broadway, Fifth Floor, Albany, NY 12233-4757
P: (518) 402-8935 | F: (518) 402-8925
www.dec.ny.gov

August 10, 2018

Ben Virts
RG&E - Rochester Gas & Electric Corporation
1300 Scottsville Road
Rochester, NY 14624

Re: Station 418 Substation
County: Monroe Town/City: Gates

Dear Ben Virts:

In response to your recent request, we have reviewed the New York Natural Heritage Program database with respect to the above project.

We have no records of rare or state-listed animals or plants, or significant natural communities at the project site or in its immediate vicinity.

The absence of data does not necessarily mean that rare or state-listed species, significant natural communities, or other significant habitats do not exist on or adjacent to the proposed site. Rather, our files currently do not contain information that indicates their presence. For most sites, comprehensive field surveys have not been conducted. We cannot provide a definitive statement on the presence or absence of all rare or state-listed species or significant natural communities. Depending on the nature of the project and the conditions at the project site, further information from on-site surveys or other resources may be required to fully assess impacts on biological resources.

This response applies only to known occurrences of rare or state-listed animals and plants, significant natural communities, and other significant habitats maintained in the Natural Heritage database. Your project may require additional review or permits; for information regarding other permits that may be required under state law for regulated areas or activities (e.g., regulated wetlands), please contact the NYS DEC Region 8 Office, Division of Environmental Permits, as listed at www.dec.ny.gov/about/39381.html.

Sincerely,

Andrea Chaloux

Andrea Chaloux
Environmental Review Specialist
New York Natural Heritage Program

765

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Fish and Wildlife, New York Natural Heritage Program
625 Broadway, Fifth Floor, Albany, NY 12233-4757
P: (518) 402-8935 | F: (518) 402-8925
www.dec.ny.gov

August 10, 2018

Ben Virts
RG&E - Rochester Gas & Electric Corporation
1300 Scottsville Road
Rochester, NY 14624

Re: Station 48 Substation
County: Monroe Town/City: City Of Rochester

Dear Ben Virts:

In response to your recent request, we have reviewed the New York Natural Heritage Program database with respect to the above project.

We have no records of rare or state-listed animals or plants, or significant natural communities at the project site or in its immediate vicinity.

The absence of data does not necessarily mean that rare or state-listed species, significant natural communities, or other significant habitats do not exist on or adjacent to the proposed site. Rather, our files currently do not contain information that indicates their presence. For most sites, comprehensive field surveys have not been conducted. We cannot provide a definitive statement on the presence or absence of all rare or state-listed species or significant natural communities. Depending on the nature of the project and the conditions at the project site, further information from on-site surveys or other resources may be required to fully assess impacts on biological resources.

This response applies only to known occurrences of rare or state-listed animals and plants, significant natural communities, and other significant habitats maintained in the Natural Heritage database. Your project may require additional review or permits; for information regarding other permits that may be required under state law for regulated areas or activities (e.g., regulated wetlands), please contact the NYS DEC Region 8 Office, Division of Environmental Permits, as listed at www.dec.ny.gov/about/39381.html.

Sincerely,

Heidi Krahling
Environmental Review Specialist
New York Natural Heritage Program

766

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Fish and Wildlife, New York Natural Heritage Program
625 Broadway, Fifth Floor, Albany, NY 12233-4757
P: (518) 402-8935 | F: (518) 402-8925
www.dec.ny.gov

September 18, 2018

Ben Virts
NYSEG - New York State Electric & Gas Corporation
1300 Scottsville Road
Rochester , NY 14624

Re: Rochester New 115 kV Transmission Line Project
County: Monroe Town/City: City Of Rochester, Gates

Dear Mr. Virts :

In response to your recent request, we have reviewed the New York Natural Heritage Program database with respect to the above project.

We have no records of rare or state-listed animals or plants, or significant natural communities at the project site or in its immediate vicinity.

The absence of data does not necessarily mean that rare or state-listed species, significant natural communities, or other significant habitats do not exist on or adjacent to the proposed site. Rather, our files currently do not contain information that indicates their presence. For most sites, comprehensive field surveys have not been conducted. We cannot provide a definitive statement on the presence or absence of all rare or state-listed species or significant natural communities. Depending on the nature of the project and the conditions at the project site, further information from on-site surveys or other resources may be required to fully assess impacts on biological resources.

This response applies only to known occurrences of rare or state-listed animals and plants, significant natural communities, and other significant habitats maintained in the Natural Heritage database. Your project may require additional review or permits; for information regarding other permits that may be required under state law for regulated areas or activities (e.g., regulated wetlands), please contact the NYS DEC Region 8 Office, Division of Environmental Permits at dep.r8@dec.ny.gov, (585) 226-5400.

Sincerely,

Heidi Krahling
Environmental Review Specialist
New York Natural Heritage Program

994

NEW YORK STATE OF OPPORTUNITY. | Parks, Recreation, and Historic Preservation

ANDREW M. CUOMO
Governor

ROSE HARVEY
Commissioner

December 04, 2017

Mr. Ben Virts
1300 Scottsville Road
Rochester, NY 14624

Re: PSC
Substation #418 Expansion
Innovation Way, Gates, NY
17PR08046

Dear Mr. Virts:

Thank you for requesting the comments of the Office of Parks, Recreation and Historic Preservation (OPRHP). We have reviewed the project in accordance with the New York State Historic Preservation Act of 1980 (Section 14.09 of the New York Parks, Recreation and Historic Preservation Law). These comments are those of the OPRHP and relate only to Historic/Cultural resources. They do not include potential environmental impacts to New York State Parkland that may be involved in or near your project. Such impacts must be considered as part of the environmental review of the project pursuant to the State Environmental Quality Review Act (New York Environmental Conservation Law Article 8) and its implementing regulations (6 NYCRR Part 617).

Based upon this review, it is the New York State Office of Parks, Recreation and Historic Preservation's opinion that your project will have no impact on archaeological and/or historic resources listed in or eligible for the New York State and National Registers of Historic Places.

If further correspondence is required regarding this project, please be sure to refer to the OPRHP Project Review (PR) number noted above.

Sincerely,

Michael F. Lynch, P.E., AIA

Director, Division for Historic Preservation

NEW YORK STATE OF OPPORTUNITY.
Parks, Recreation, and Historic Preservation

ANDREW M. CUOMO
Governor

ROSE HARVEY
Commissioner

November 30, 2017

Mr. Ben Virts
1300 Scottsville Road
Rochester, NY 14624

Re: PSC
Substation #48 Expansion
Lexington Avenue, Rochester, NY
17PR08054

Dear Mr. Virts:

Thank you for requesting the comments of the Office of Parks, Recreation and Historic Preservation (OPRHP). We have reviewed the project in accordance with the New York State Historic Preservation Act of 1980 (Section 14.09 of the New York Parks, Recreation and Historic Preservation Law). These comments are those of the OPRHP and relate only to Historic/Cultural resources. They do not include potential environmental impacts to New York State Parkland that may be involved in or near your project. Such impacts must be considered as part of the environmental review of the project pursuant to the State Environmental Quality Review Act (New York Environmental Conservation Law Article 8) and its implementing regulations (6 NYCRR Part 617).

Based upon this review, it is the New York State Office of Parks, Recreation and Historic Preservation's opinion that your project will have no impact on archaeological and/or historic resources listed in or eligible for the New York State and National Registers of Historic Places.

If further correspondence is required regarding this project, please be sure to refer to the OPRHP Project Review (PR) number noted above.

Sincerely,

Michael F. Lynch, P.E., AIA

Director, Division for Historic Preservation

NEW YORK STATE OF OPPORTUNITY.

Parks, Recreation, and Historic Preservation

ANDREW M. CUOMO
Governor

ROSE HARVEY
Commissioner

October 22, 2018

Mr. Ben Virts
BES Permitting Manager
AVANGRID
1300 Scottsville Rd
Rochester, NY 14624

Re: DPS
Rochester New 115 kV Transmission Line Project
Town of Gates & City of Rochester, Monroe County, NY
18PR05267

Dear Mr. Virts:

Thank you for requesting the comments of the Office of Parks, Recreation and Historic Preservation (OPRHP). We have reviewed the project in accordance with the New York State Historic Preservation Act of 1980 (Section 14.09 of the New York Parks, Recreation and Historic Preservation Law). These comments are those of the OPRHP and relate only to Historic/Cultural resources. They do not include potential environmental impacts to New York State Parkland that may be involved in or near your project. Such impacts must be considered as part of the environmental review of the project pursuant to the State Environmental Quality Review Act (New York Environmental Conservation Law Article 8) and its implementing regulations (6 NYCRR Part 617).

Based upon this review, it is the New York State Office of Parks, Recreation and Historic Preservation's opinion that your project will have no impact on archaeological and/or historic resources listed in or eligible for the New York State and National Registers of Historic Places.

If further correspondence is required regarding this project, please be sure to refer to the OPRHP Project Review (PR) number noted above.

Sincerely,

Michael F. Lynch, P.E., AIA

Director, Division for Historic Preservation

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Rochester Gas and Electric Corporation

Rochester Transmission Project Enhancement

Attachment 4-B

EMF Modeling

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Exponent Engineering PC

Exponent®

Rochester Transmission Project Enhancement

Electric- and Magnetic-Field Modeling

Rochester Transmission Project Enhancement

Electric- and Magnetic-Field Modeling

Prepared for

Rochester Gas and Electric Corporation
1300 Scottsville Road
Rochester, NY 14624

Prepared by

Exponent Engineering P.C.
420 Lexington Avenue
Suite 1740
New York, NY 10170

January 7, 2020

Limitations

At the request of Rochester Gas and Electric Corporation (RG&E), a subsidiary of Avangrid Inc., Exponent Engineering P.C. (Exponent) modeled the levels of electric and magnetic fields associated with existing and proposed transmission lines in the Rochester area for the Rochester Transmission Project Enhancement (the Project).

This report summarizes work performed to date and presents the findings resulting from that work. In the analysis, Exponent relied on geometry, material data, usage conditions, specifications, and various other types of information provided by RG&E. Exponent could not verify the correctness of these input data and therefore, relied on RG&E for the data's accuracy. RG&E has confirmed to Exponent that the data provided to Exponent are not subject to Critical Energy Infrastructure Information restrictions. Although Exponent has exercised usual and customary care in the conduct of this analysis, the responsibility for the design and operation of the Project remains fully with RG&E.

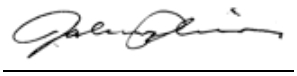
The findings presented herein are made to a reasonable degree of engineering and scientific certainty. Exponent reserves the right to supplement this report and to expand or modify opinions based on review of additional material as it becomes available, through any additional work, or review of additional work performed by others.

The scope of services performed during this investigation may not adequately address the needs of other users of this report beyond the Article VII permitting of the Project for which it was prepared, and any re-use of this report or its findings, conclusions, or recommendations presented herein are at the sole risk of the user. The opinions and comments formulated during this assessment are based on observations and information available at the time of the investigation. No guarantee or warranty as to future life or performance of any reviewed condition is expressed or implied.

Benjamin R.T. Cotts, Ph.D., P.E. (Licensed Electrical Engineer, California, #21277) and Sonal K. Phan, Ph.D., P.E. (Licensed Electrical Engineer, California, #21821), employed by Exponent, performed calculations of the electric and magnetic fields associated with the operation of the proposed Project. Joshua Phinney, Ph.D., P.E. (New York P.E., License No. 084129), also employed by Exponent, has reviewed this work.

Reviewed By:

Joshua Phinney, P.E.



Joshua Phinney, P.E.

Executive Summary

As part of the Rochester Transmission Project Enhancement (the Project), Rochester Gas and Electric Corporation (RG&E) has proposed to install a new 115-kilovolt transmission line to be designated as Line 949. The new transmission line will be located in the town of Gates and city of Rochester, New York, and extend approximately 7 miles between existing Substation 418 and Substation 48.

As part of the Article VII filing to be submitted by RG&E, Exponent Engineering P.C. (Exponent) modeled the 60-Hertz electric and magnetic field (EMF) levels from the existing and proposed transmission lines along seven representative cross-sections of the Project route. Calculations were performed for operation at a winter normal conductor rating, consistent with the 1990 New York State Public Service Commission (NYSPSC) standards and using computer algorithms developed by the Bonneville Power Administration, an agency of the U.S. Department of Energy.

Results of these calculations demonstrate that post-construction EMF levels are compliant with the NYSPSC standard of 1.6 kilovolts per meter for electric fields and the 200 milligauss magnetic-field standard at the edges of the right-of-way in all portions of the route.

Note that this Executive Summary does not contain all of Exponent's technical evaluations, analyses, conclusions, and recommendations. Hence, the main body of this report is always the controlling document.

Contents

	Page
Limitations	**ii**
Executive Summary	**iv**
Acronyms and Abbreviations	**vi**
Introduction	**1**
Route Cross Sections	1
Transmission Line Electrical Environment	**7**
Electric and Magnetic Fields	7
Assessment Criteria	**9**
Modeling Data and Calculation Methods	**10**
Modeling Data	10
Calculation Methods	10
Phase Optimization	11
Modeling Results	**12**
Electric Fields	12
Magnetic Fields	13
Conclusion	**14**
References	**15**

Appendix A Calculated Levels of EMF
Appendix B Graphical Profiles of Calculated EMF
Appendix C Input Data Used for EMF Calculations
Appendix D Output Tables of EMF Calculations

Acronyms and Abbreviations

AC	Alternating current
BPA	Bonneville Power Administration
ELF	Extremely low frequency
EMF	Electric and magnetic fields
Exponent	Exponent Engineering P.C.
Hz	Hertz
IEEE	Institute of Electrical and Electronics Engineers
kV	Kilovolt
kV/m	Kilovolt per meter
mG	Milligauss
NYSPSC	New York State Public Service Commission
Project	Rochester Transmission Project Enhancement
rms	Root mean square
RG&E	Rochester Gas and Electric Corporation
ROW	Right-of-way
V/m	Volt per meter
WNC	Winter normal conductor

Introduction

As part of the Rochester Transmission Project Enhancement (the Project), Rochester Gas and Electric Corporation (RG&E), a subsidiary of Avangrid Inc., has proposed to install a new 115-kilovolt (kV) transmission line to be designated as Line 949. The new transmission line will be located in the town of Gates and city of Rochester, New York, and extend approximately 7 miles between existing Substation 418 and Substation 48.

As part of the Article VII filing, to be submitted by RG&E, Exponent Engineering P.C. (Exponent) modeled the 60-Hertz (Hz) levels of electric and magnetic fields (EMF) associated with existing and proposed transmission lines along the Project route based upon design information provided by RG&E. This report summarizes the modeling methods and results. EMF levels were calculated for seven representative cross sections of the Project route as summarized below.

Route Cross Sections

RG&E divided the structures on the Project route between Substation 418 and Substation 48 into 13 sections based on structure configuration, attached circuits, and right-of-way (ROW) width. While modeling EMF levels, Exponent further grouped some of these sections as listed in Table 1 and described below. Figure 1 illustrates the proposed route of the Project from Substation 418 to Substation 48.[1,2]

Sections 1 & 2

From Substation 418 to 2 Spans South of Trabold Road, a total distance of 1.13 miles, Line 949 is proposed to be built on double-circuit structures along with the rebuilt 115-kV Line 910 on an existing RG&E ROW. The new structures will be located at the existing centerline of the

[1] In nearly all sections of the route, one or more existing low voltage (34.5 kV or lower) lines are underbuilt beneath existing and proposed transmission lines. These low-voltage lines are not included in the modeling since Article VII applies only to lines with design capacity of 100 kV or higher (16 New York State Codes, Rules and Regulations 85-2.1).

[2] In some portions of the Project route, such as along some of the railroad sections, there is no defined ROW. In these sections, calculations are presented at 50 feet from the centerline of the nearest 115-kV transmission line structure, consistent with NYSPSC (1990).

Line 910 structures, with Line 949 and Line 910 built on the eastern and western side of the new double-circuit structures, respectively. To the west of the new structures, four other 115-kV transmission lines are also present: RG&E's underground Line 940 and National Grid's Lines 111, 113, and 114. The proposed Line 949 structures are to be centered on RG&E's 50-foot ROW, which is immediately adjacent to the existing 150-foot National Grid ROW. EMF levels are, therefore, reported at 25 feet and 175 feet from the centerline on the eastern and western sides, respectively, of the combined ROW.

Sections 3 & 4

From south of the Trabold Road Crossing to CSX Railroad, a total distance of 0.26 miles, Sections 3 and 4 are single span transition sections and are not modeled.

Sections 5 & 6

From the CSX Railroad to the Line 926 and Line 916 Corridor, a total distance of 2.57 miles, Line 949 will be constructed on delta structures located at the centerline of an existing 34.5-kV line ROW to be rebuilt beneath the proposed Line 949. The distance from the new Line 949 structure to the western ROW edge varies, with a minimum distance of 25 feet, with the CSX Railroad ROW on the eastern side. Since there is no defined ROW on the eastern edge in these sections, modeling results are presented at 50 feet from the structure centerline, consistent with the recommendations of the New York State Public Service Commission (NYSPSC) for locations where the term ROW is not directly applicable (NYSPSC, 1990).

Section 7

From the Line 926 and Line 916 Corridor to the Buffalo Road Crossing, a total distance of 0.15 miles, Line 949 will be built on double-circuit structures along with the rebuilt existing 115-kV Line 926. The new structures will be located at the existing centerline of the Line 926 structures, with Line 949 and Line 926 built on the western and eastern side of the new double-circuit structures, respectively. The existing 115-kV Line 916 is located approximately 40 feet east of the proposed double-circuit structures. In this section, the RG&E ROW extends from the new structure's centerline for 25 feet on the western side and 100 feet on the eastern side. Calculations are presented at the ROW edges.

Section 8

From the Buffalo Road Crossing to the Line 916 Crossing (East of McKee Road), a total distance of 0.39 miles, the configuration of the existing and proposed transmission lines will be the same as that in Section 7, except that existing Line 916 is 55 feet east of proposed Line 949. In this section, the RG&E ROW extends from the new structure's centerline for 35 feet on the western side and 105 feet on the eastern side. The calculations are presented at the ROW edges.

Section 9

From the Line 916 Crossing (East of McKee Road) to the Rochester & Southern Railroad Crossing, a total distance of 0.09 miles, Section 9 is single span transition section and is not modeled.

Sections 10 & 11 (Configurations A and B)

From the Rochester & Southern Railroad Crossing to 2 Spans North of Emerson Street, a total distance of 1.77 miles, Line 949 will be built within the railroad ROW on double-circuit structures along with the rebuilt 115-kV Line 926. The new structures will be located at the existing centerline of the Line 926 structures, with Line 949 and Line 926 built on the western and eastern side of the new double-circuit structures, respectively. The existing 115-kV Line 916 will be located 50 to 75 feet west of the Line 949 centerline. Since the configuration of the lines is the same in Sections 10 and 11, Exponent modeled these sections together, but presented the results for two configurations: one with a 50-foot separation between proposed Line 949 and existing Line 916 (Configuration A), and one with a 75-foot separation (Configuration B). On the eastern side of the new structure, the ROW width varies with minimum width of 25 feet from the new structure's centerline. There is no ROW to the west of Line 916 so modeling results are presented at 50 feet consistent with the recommendations of the NYSPSC (1990) for locations where the term ROW is not directly applicable.

Section 12

From 2 Spans North of Emerson Street to 2 Spans East of Mt. Read Boulevard, a total distance of 0.21 miles, Line 949 will be built on double-circuit structures along with the rebuilt 115-kV Line 916 within the railroad ROW. The new structures will be located at the existing centerline

of Line 916 structures, with Line 949 and Line 916 built on the eastern and western sides of the new double-circuit structures, respectively. The existing 115-kV Line 926 will be located approximately 53 feet east of the proposed 949 Line centerline. On the western side of the new structure, the ROW width varies, with a minimum width of 25 feet. There is no ROW to the east of Line 926. Therefore, the calculations are presented at 50 feet from the centerline, consistent with the recommendations of the NYSPSC (1990) for locations where the term ROW is not directly applicable.

Section 13

From 2 spans East of Mt. Read Boulevard to Substation 48, a total distance of 0.19 miles, two new transposition structures will be installed to swap Lines 916 and 949 so they can be connected to the proper substation bays. This transition section is not modeled.

Table 1. Description of sections on the proposed route

Section	Portion of Route	Length (miles)	Modeled Circuits
Sections 1 & 2	Substation 418 to 2 Spans South of Trabold Road	1.13	949, 910, 940, 111, 113, 114
Sections 3 & 4*	2 spans South of Trabold Road to CSX Railroad	0.26	Not modeled
Sections 5 & 6	CSX Railroad Section	2.57	949
Section 7	Lines 926 and 916 Corridor to the Buffalo Road Crossing	0.15	949, 916, 926
Section 8	Buffalo Road Crossing to the Line 916 Crossing	0.39	949, 916, 926
Section 9*	Line 916 Crossing (East of McKee Road) to Rochester & Southern Railroad Crossing	0.09	Not modeled
Sections 10 & 11 (A)	Rochester & Southern Railroad Crossing to 2 Spans North of Emerson Street (centerline to centerline distance of 50 feet [A]/75 feet [B])	1.77	949, 916, 926
Sections 10 & 11 (B)			
Section 12	2 Spans North of Emerson Street to 2 Spans East of Mt. Read Boulevard	0.21	949, 916, 926
Section 13*	2 Spans East of Mt. Read Boulevard to Substation 48	0.19	Not modeled

* Sections 3, 4, 9, and 13 are short transition sections in which the conductors of the transmission lines are not all parallel to one another and, therefore, cannot be accurately modeled in the 2-dimensional simulations discussed in the Methods section.

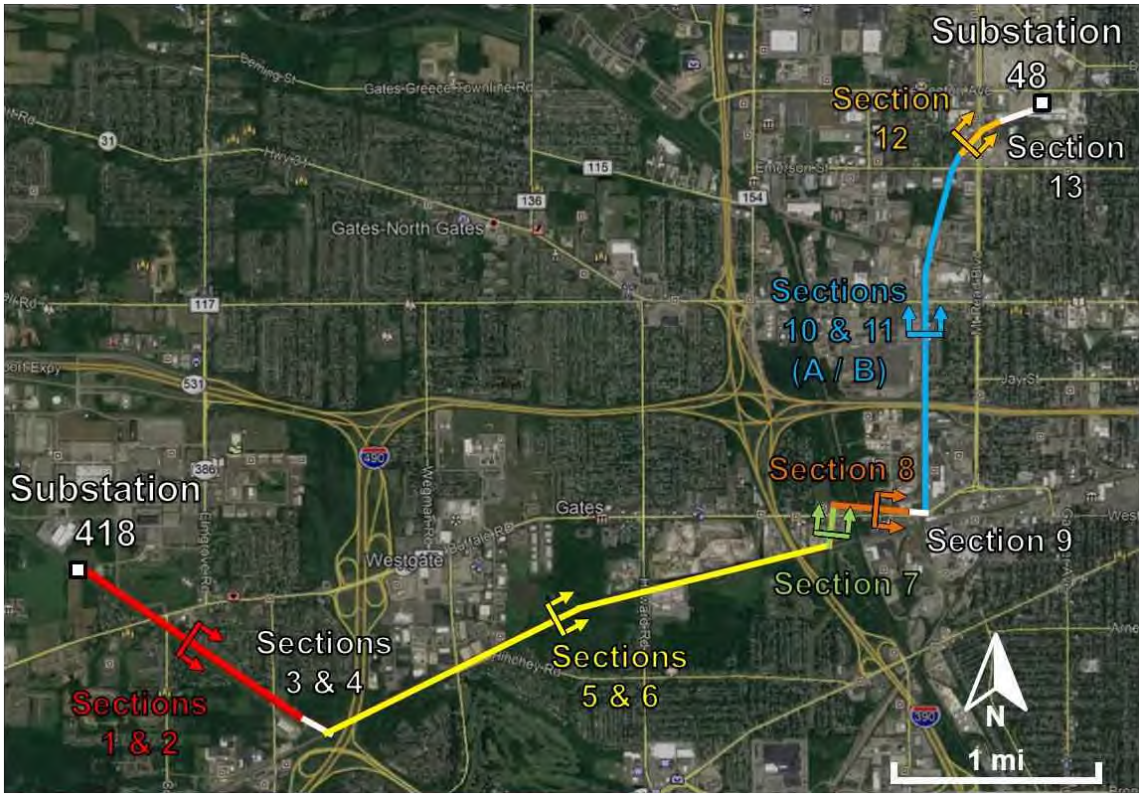


Figure 1. Proposed route of the Project from Substation 418 to Substation 48 showing the locations of seven modeled cross-sections.

The distance between proposed Line 949 and existing Line 916 varies in Sections 10 & 11 and so is modeled by two cross-section configurations: one for Configuration A and one for Configuration B.

Transmission Line Electrical Environment

Electric and Magnetic Fields

The generation of electricity and its transmission through the electrical grid creates both electric fields and magnetic fields, commonly referred to as EMF.

Since electricity is universal in modern society, EMF is also ubiquitous—whether at home, at work, at school, while shopping, and in many other environments, so people are constantly exposed to low levels of EMF. More concisely, EMF is present wherever there are appliances, electronics, and any other item that operates with electricity. In addition to EMF from the use of everyday electrical items, many people also encounter EMF generated by the power grid. These sources—the transmission and distribution lines that bring electricity to homes and workplaces, and the equipment at electrical generating stations and substations—all may contribute a small amount to a person's overall background EMF exposure when near any source of EMF

In North America, electricity is transmitted as alternating current (AC) at 60 Hz. AC electricity transmitted at 60 Hz alternates direction and magnitude at a rate of 60 times per second, which is in the extremely low frequency (ELF) range of the electromagnetic spectrum. As such, EMF associated with the transmission of electric power is sometimes referred to as ELF EMF or power frequency EMF.

While electric fields and magnetic fields have some similar characteristics, and although they are commonly referred to collectively, they also have some significant differences, which are summarized in Table 2.

Table 2. Comparison of ELF EMF characteristics

Electric Fields	Magnetic Fields
For both electric and magnetic fields, levels generally decrease with distance from the source. EMF levels from transmission lines decrease in proportion to the square of the distance from the conductors.	
Are due to the voltage on the conductors of appliances or transmission lines.	Result from the electric current that flows in the wires of appliances or on conductors of transmission lines.
Are present when equipment and appliances are plugged in, even if they are turned off.	Are present only when equipment and appliances are turned on and using electricity.
Are diminished or blocked by most grounded conducting objects, such as fences, shrubbery, trees, walls, and buildings.	Are not diminished or blocked by most everyday objects.
Since electric fields depend on the voltage, which remains relatively constant over time, electric-field levels do not vary substantially with line loading.	Since magnetic fields depend on currents flowing on the conductors, magnetic-field levels vary depending on power demand on any given day, during any given week, and throughout the year.
Electric fields are measured in units of volts per meter (V/m) or kilovolts per meter (kV/m)	Magnetic fields are measured in units of gauss or milligauss (mG)

Assessment Criteria

While the federal government has not established standards for EMF produced by transmission infrastructure, the State of New York has established guidelines that must be followed by utility companies seeking Certificates of Environmental Compatibility and Public Need under Article VII for power lines operating at 100 kV or above. The NYSPSC established guidelines in 1978 for electric fields generated by new transmission lines in Opinion No. 78-13. In 1990, the NYSPSC established guidelines for magnetic-field levels for new transmission lines in their Interim Policy Statement on Magnetic Fields.

Opinion No. 78-13 establishes that electric-fields from Article VII transmission lines cannot exceed 1.6 kV/m at a height of 1 meter above ground at the edge of the transmission line's ROW while operating at the rated voltage.[3] The NYSPSC's Interim Policy guideline states that magnetic fields created by Article VII transmission lines cannot exceed 200 mG at the edge of the ROW. The magnetic-field level is to be measured or calculated at 1 meter above ground, at the point of lowest conductor sag, with the transmission line operating at winter normal conductor (WNC) rating. The NYSPSC established these limits so that EMF from new transmission lines would not exceed levels from existing transmission lines throughout New York; in other words, the limits maintain the *status quo*.

[3] NYSPSC electric-field limits also include field strength limits of 7 kV/m, 11 kV/m, and 11.8 kV/m over public roads, private roads, and other terrain, respectively (all measured at 1 meter above ground).

Modeling Data and Calculation Methods

Modeling Data

Transmission-line data necessary to model calculated EMF levels in accordance with NYSPSC guidelines include the number of conductors, the horizontal position of the conductors in relation to one another, and the height of the conductors above ground. Other data used for modeling include the voltage of the conductors, their phase arrangement, and the WNC-rated current.

Calculation Methods

Exponent used the data provided by RG&E—voltage, current flow, phasing, and conductor configurations—to calculate EMF levels for the proposed Project. Calculations were performed using algorithms developed by the Bonneville Power Administration (BPA), an agency of the U.S. Department of Energy, for modeling AC transmission lines (BPA, 1991). BPA's algorithms utilize simplifying assumptions about the conductors to yield conservative results. Chartier and Dickson (1990) and Perrin et al. (1991) have shown that BPA's algorithms accurately predict EMF levels from AC transmission lines. BPA's simplifying assumptions include:

- All conductors are assumed to be parallel to one another and of infinite length;
- The conductors are located at a fixed height above an infinite flat terrain; and,
- Conductors are located at the point of lowest clearance above ground.

In actual field conditions, the height of the conductors above ground depends on the sag of the conductors between structures and on the variation of the terrain below, so height will vary at different locations along the transmission line. But since the conductors will be higher above ground than the assumed lowest clearance height used in calculations, the calculated EMF levels will be conservatively overestimated.

All calculations are performed along a transect perpendicular to the transmission line's centerline and reported at a height of 1 meter above ground. This is consistent with Institute of Electrical and Electronics Engineers Standards—C95.3.1-2010 and 0644-1994 (IEEE, 2008, 2010). Magnetic-field values are reported as root-mean-square (rms) flux density in mG and were calculated as the magnitude of the field along the major axis of the ellipse. Electric-field values also are reported as rms in units of kV/m, but they were calculated as the square root of the sum of the squares of three orthogonal components.

Phase Optimization

Where more than one transmission line is located in relatively close proximity to another, the specific phasing of conductors for each transmission line circuit will influence EMF levels. At the request of RG&E, Exponent performed a phase optimization analysis to determine which of all possible phase permutations for Line 949 would minimize the highest calculated magnetic-field levels at either edge of the ROW. RG&E used the results of this analysis in conjunction with engineering constraints to select the phasing of Line 949 for the Project as BAC top-to-bottom.[4] Phase optimization is one of the low-cost measures to reduce EMF levels, consistent with recommendations of the World Health Organization (WHO, 2007).

[4] For any phasing, the calculated EMF levels at the ROW edge do not exceed the NYSPSC guidelines in all modeled cross-sections along the proposed route of the Project.

Modeling Results

The calculated pre-construction (existing) and post-construction (proposed) EMF levels due to all existing and proposed transmission lines are discussed below for the various sections of the Project route. Table A-1 and Table A-2 in Appendix A summarize the calculated EMF levels at the edges of the ROW. Appendix B includes graphic profiles of the calculated electric-field levels (Figure B-1 through Figure B-7) and magnetic-field levels (Figure B-8 through Figure B-14). Appendix C summarizes the transmission line data provided by RG&E, used to model EMF levels for the Project. Tables detailing the calculated post-construction EMF levels at 1-foot increments across each cross section to (±) 500 feet from the ROW centerline are provided in Appendix D.

Electric Fields

Post-construction electric-field levels at the ROW edge were calculated to be below the NYSPSC standard of 1.6 kV/m in all modeled cross-sections along the proposed route of the Project. The existing ROW-edge electric-field levels are 0.6 kV/m or less in all modeled cross-sections of the proposed route and are calculated to be 0.6 kV/m or less after the construction of the Project.

In Sections 1, 2, 5, 6, and 12, electric-field levels at ROW edges are calculated to increase by 0.3 kV/m or less due to the introduction of Line 949 within the ROW.[5] In Sections 7, 8, 10, and 11, electric-field levels at ROW edges are calculated to remain unchanged or decrease due to the Project.

In Sections 10, 11, and 12, which have non-residential buildings within the ROW, the maximum electric-field levels before and after the Project are calculated to be 0.8 kV/m.

[5] (+) ROW edge values in Table A-1 for Sections 1 & 2 are reported at the western edge of a 150-foot National Grid ROW. If this section is modeled without National Grid lines, then the existing and proposed electric-field levels at the western edge of the RG&E ROW are calculated to be 0.5 kV/m and 0.4 kV/m, respectively. The electric-field levels at the eastern edge are unchanged.

Magnetic Fields

Post-construction magnetic-field levels at the ROW edge were calculated to be below NYSPSC standard of 200 mG in all modeled cross sections along the proposed route of the Project. The existing ROW-edge magnetic-field levels at WNC loading are 101 mG or less in all modeled cross sections of the proposed route and are calculated to be 107 mG or less after construction of the Project (at WNC loading).

As listed in Table A-2, the magnetic-field levels at the (–) ROW edge are calculated to decrease by between 3 mG and 22 mG in Sections 1, 2, 7, 8, 10, and 11 as a result of the Project.[6] In contrast, the magnetic-field levels at the (–) ROW edge for sections 5, 6, and 12 are calculated to increase by 34 mG or less due to the introduction of Line 949 within the ROW. Similarly, the magnetic-field levels at the (+) ROW edge for all sections are calculated to increase by 26 mG or less due to the introduction of Line 949 within the ROW.

In Sections 10, 11, and 12, which have non-residential buildings within 50 feet of the transmission line structure centerline, the maximum existing and proposed magnetic-field levels across the ROW are 136 mG and 123 mG, respectively. A separate study would be needed to evaluate the potential for induction effects at these buildings.

The results reported in this report were calculated at 1 meter above the ground as prescribed by NYSPSC guidelines.

[6] (+) ROW edge values in Table A-2 for Sections 1 & 2 are reported at the western edge of a 150-foot National Grid ROW. If this section is modeled without National Grid lines, then the existing and proposed magnetic-field levels at the western edge of RG&E ROW are calculated to be 150 mG and 134 mG, respectively. The existing and proposed magnetic-field levels at the eastern edge of the RG&E ROW are calculated to be 60 mG and 57 mG, respectively.

Conclusion

This report summarizes calculations of the EMF levels associated with the operation of existing and proposed transmission lines on the route of the Project, which includes the new 115-kV Line 949. These calculations were performed using methods accepted within the scientific and engineering community and that have been found to match well with measured values.

The calculated electric-field levels at the ROW edge do not exceed the NYSPSC standard of 1.6 kV/m in all modeled cross-sections along the proposed route of the Project. The calculated magnetic-field levels at the ROW edge do not exceed the NYSPSC standard of 200 mG in all modeled cross sections along the proposed route of the Project.

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Perrin N, Aggarwal RP, Bracken TD, Rankin RF. Survey of Magnetic Fields near BPA 230-kV and 500-kV Transmission Lines, 1991.

World Health Organization (WHO). Environmental Health Criteria 238: Extremely Low Frequency (ELF) Fields. Geneva, Switzerland: World Health Organization, 2007

Appendix A

Calculated Levels of EMF

Table A-1. Electric-field levels (kV/m)* at 1 meter above ground (NYSPSC standard is 1.6 kV/m at the ROW edge)

Cross Section	Configuration	(–) ROW Edge	(+) ROW Edge
Sections 1 & 2 (A)	Existing	0.2	0.2
	Proposed	0.4	0.2
Sections 5 & 6	Existing	-	-
	Proposed	0.2	0.2†
Section 7	Existing	0.3	0.4
	Proposed	0.2	0.4
Section 8	Existing	0.2	0.6
	Proposed	0.0	0.6
Sections 10 & 11 (A)	Existing	0.2†	0.4
	Proposed	0.2†	0.4
Sections 10 & 11 (B)	Existing	0.2†	0.4
	Proposed	0.2†	0.4
Section 12	Existing	0.3	0.1†
	Proposed	0.6	0.1†

* Electric-field levels are presented as the resultant rms field level of the three orthogonal field components at each location along a transect perpendicular to the transmission centerline.

† Denotes that there is no actual ROW edge and the reported electric-field levels were evaluated at 50 feet from the closest transmission line structure centerline, as recommended by NYSPSC 1990 policy when there is no transmission line ROW.

Table A-2. Magnetic-field levels (mG)* at 1 meter above ground for WNC rating (NYSPSC standard is 200 mG at the ROW edge)

Cross Section	Configuration	(–) ROW Edge	(+) ROW Edge
Sections 1 & 2 (A)	Existing	57	71
	Proposed	47	73
Sections 5 & 6	Existing	-	-
	Proposed	34	25†
Section 7	Existing	93	74
	Proposed	71	80
Section 8	Existing	62	101
	Proposed	40	106
Sections 10 & 11 (A)	Existing	47†	64
	Proposed	44†	90
Sections 10 & 11 (B)	Existing	45†	68
	Proposed	42†	82
Section 12	Existing	73	26†
	Proposed	107	39†

* At each location along a transect perpendicular to the transmission centerline, magnetic-field levels are presented as the rms flux density of the maximum field ellipse as specified by NYSPSC 1990 policy.

† Denotes that there is no actual ROW edge and the reported magnetic-field levels were evaluated at 50 feet from the closest transmission line structure centerline, as recommended by NYSPSC 1990 policy when there is no transmission line ROW.

Appendix B

Graphical Profiles of Calculated EMF

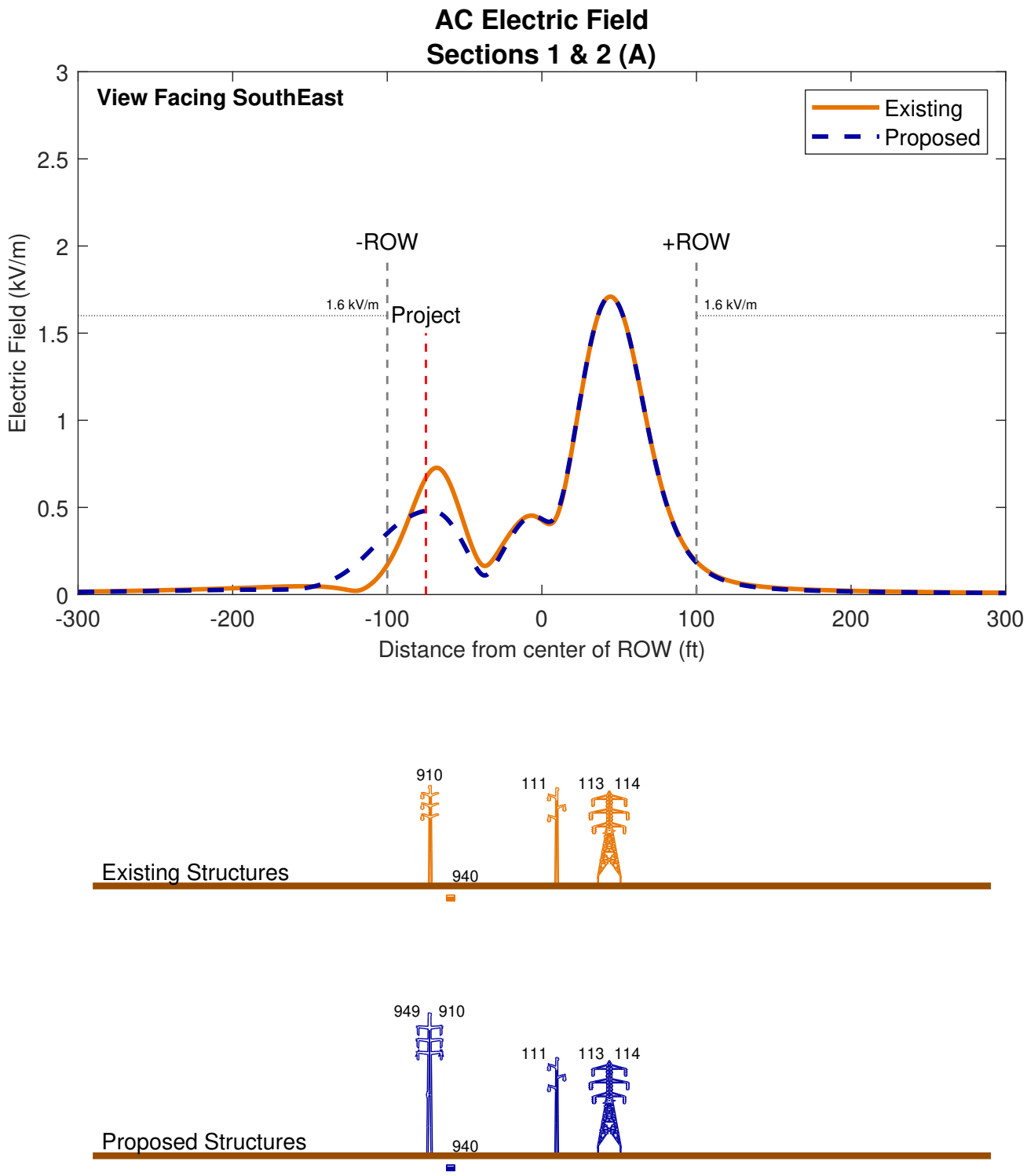

Figure B-1. Calculated AC electric-field profile along Sections 1 & 2 (A) (Substation 418 to 2 Spans South of Trabold RD (With Ngrid Ckts))

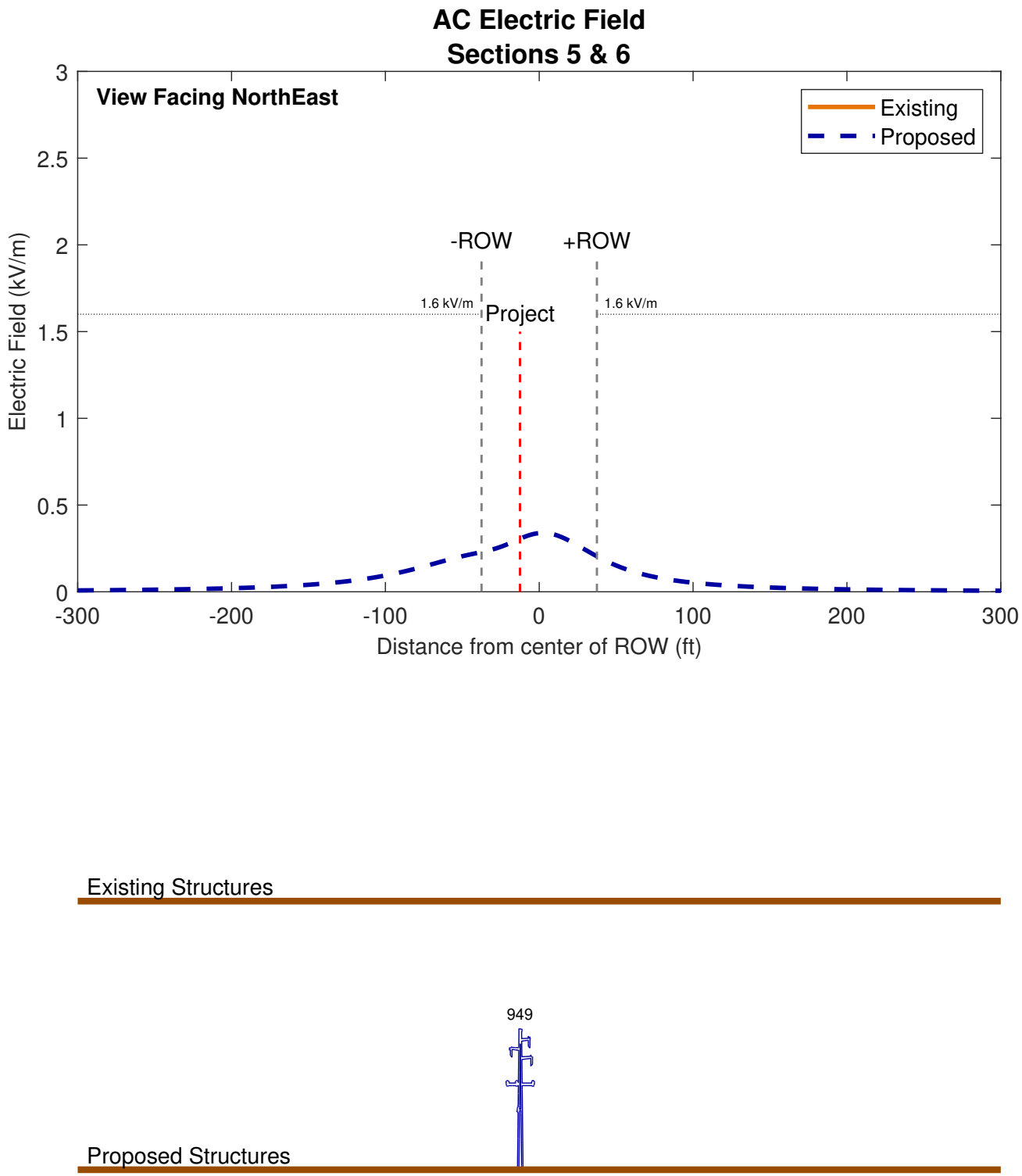

Figure B-2. Calculated AC electric-field profile along Sections 5 & 6 (CSX RR Section)

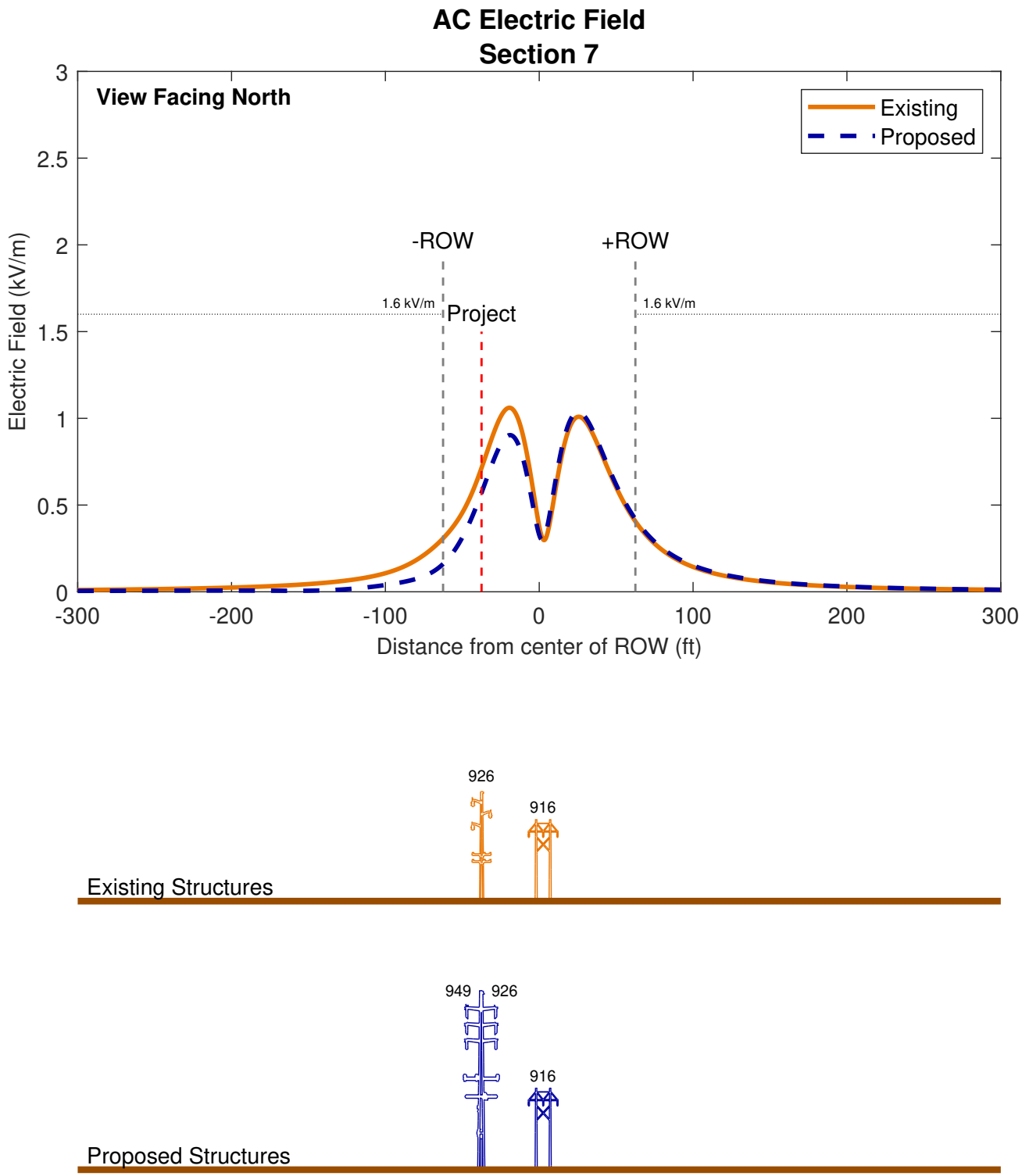

Figure B-3. Calculated AC electric-field profile along Section 7 (Line 926 & 916 Corridor to Buffalo Rd Crossing)

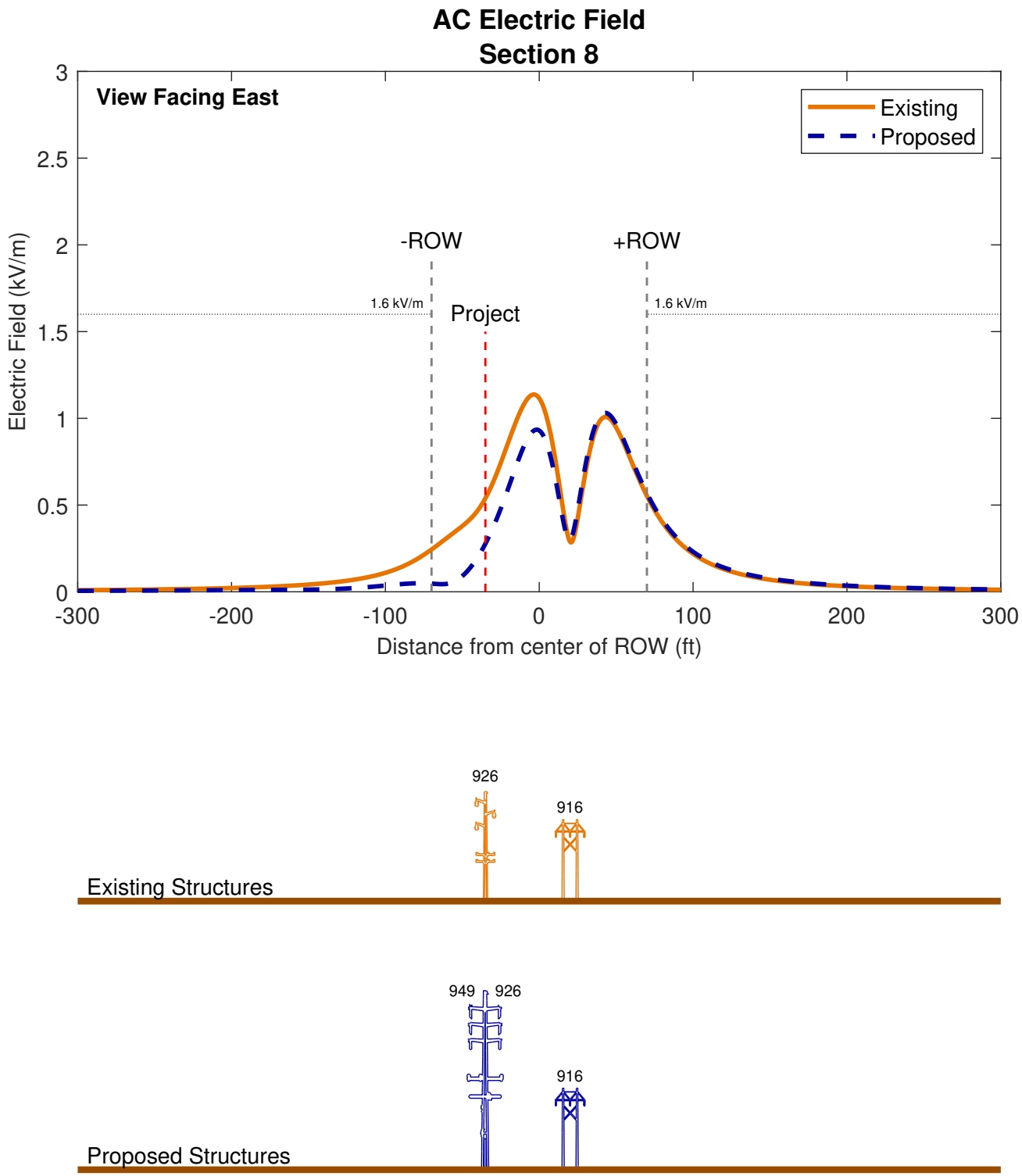

Figure B-4. Calculated AC electric-field profile along Section 8 (Buffalo Rd Crossing to Line 916 Crossing)

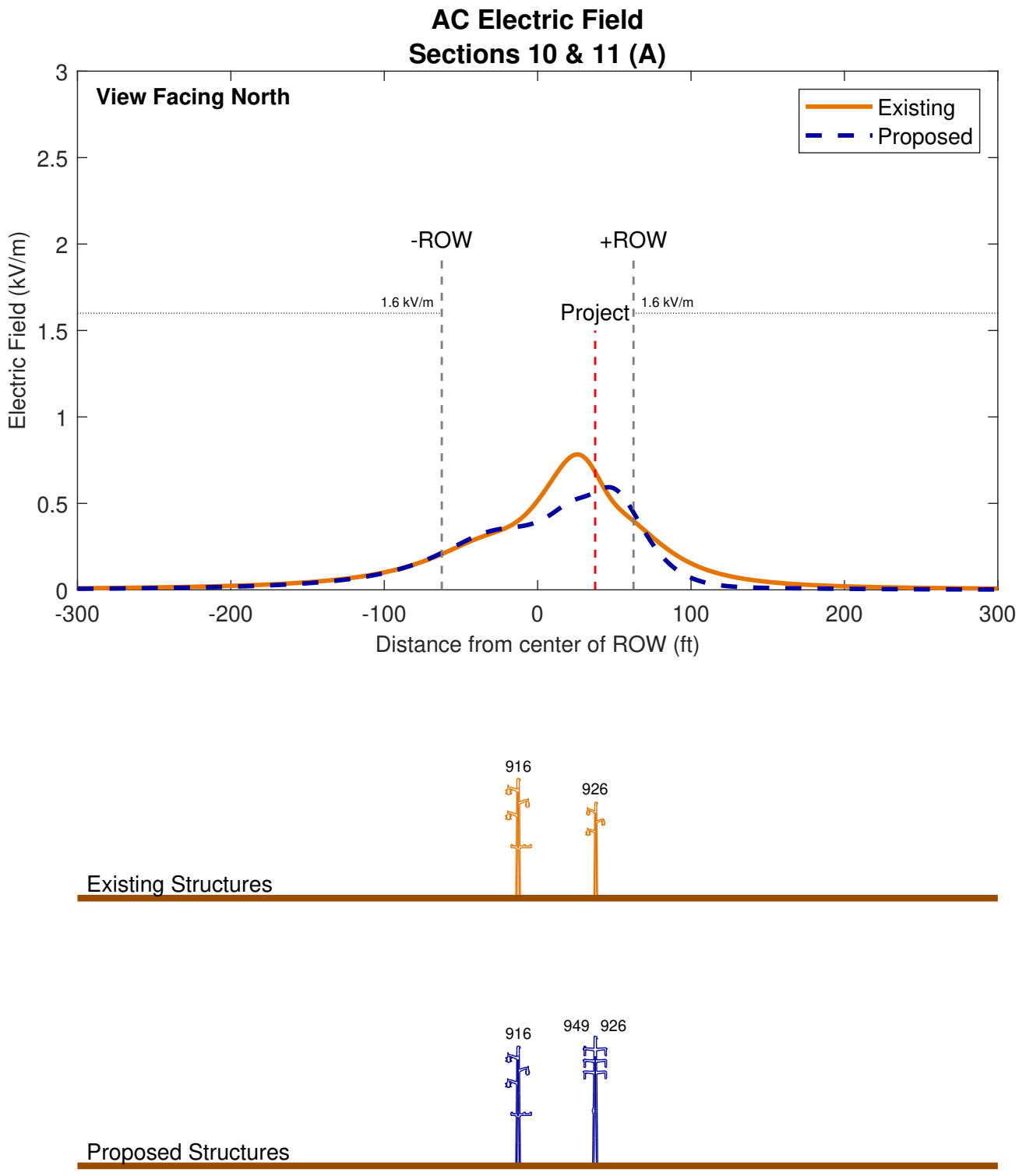

Figure B-5. Calculated AC electric-field profile along Sections 10 & 11 (A) (Rochester & Southern RR Crossing to 2 Spans N of Emerson ST)

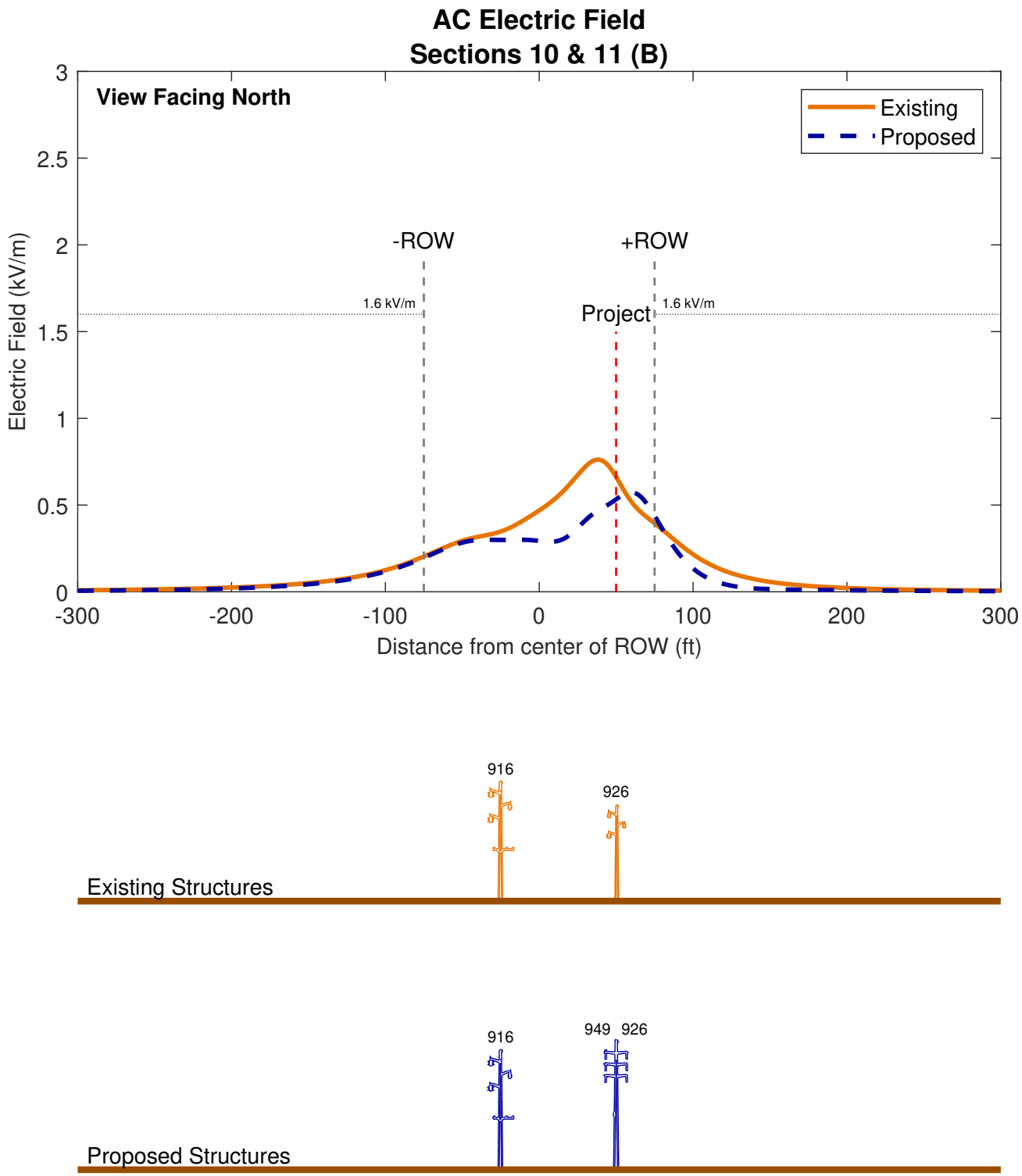

Figure B-6. Calculated AC electric-field profile along Sections 10 & 11 (B) (Rochester & Southern RR Crossing to 2 Spans N of Emerson ST)

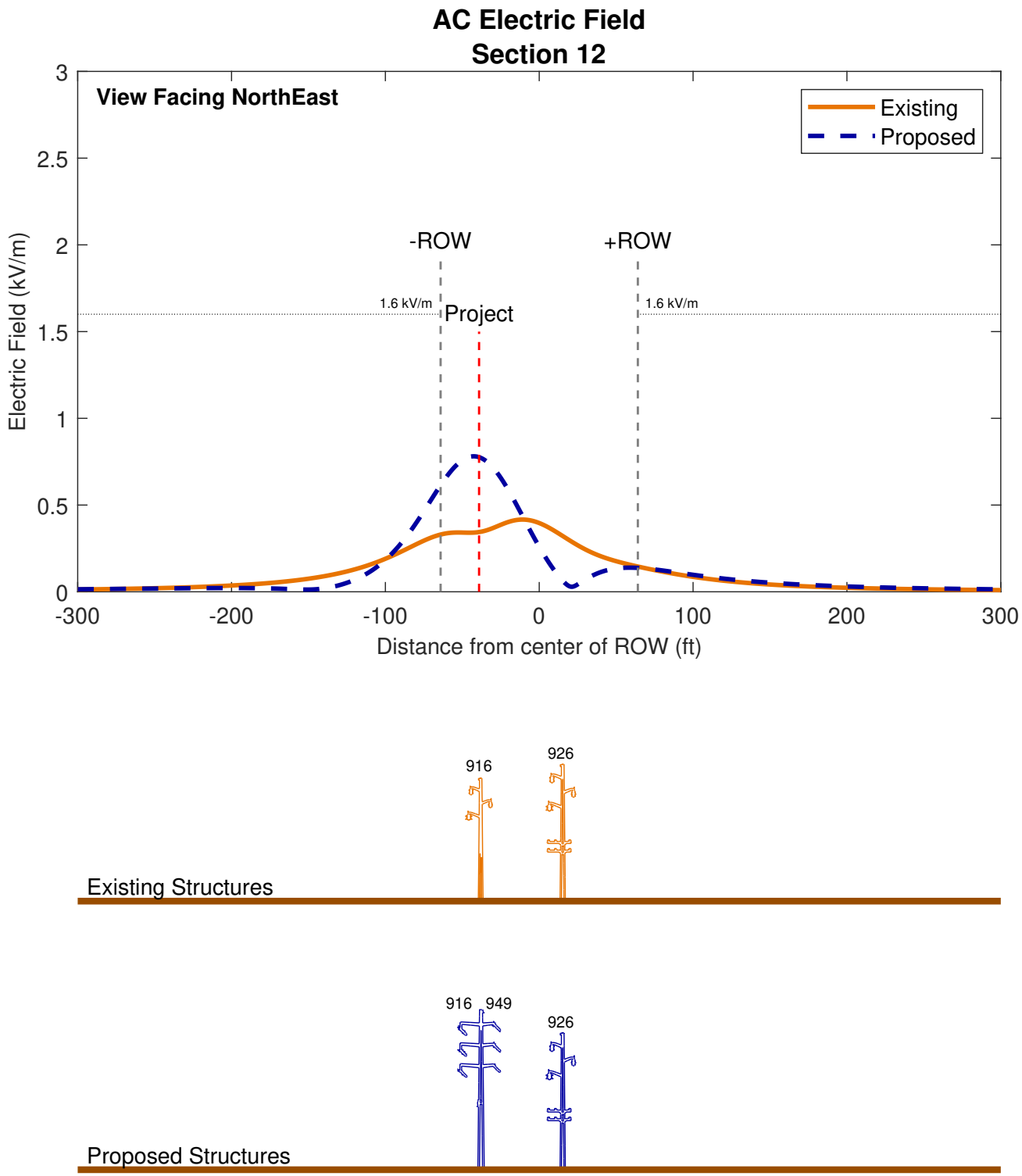

Figure B-7. Calculated AC electric-field profile along Section 12 (2 Spans N of Emerson ST to 2 Spans E of Mt Read Blvd)

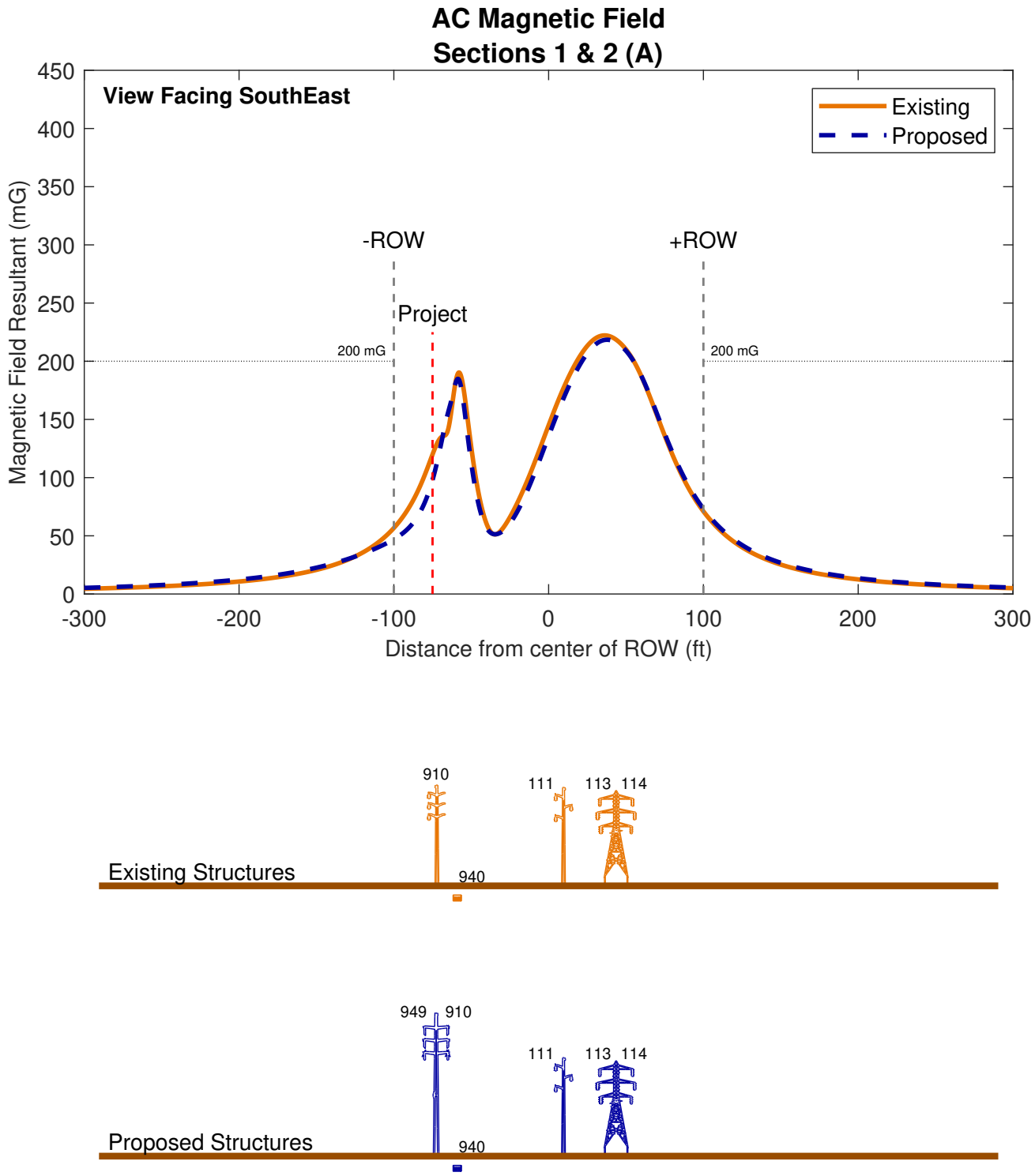

Figure B-8. Calculated AC magnetic-field profile along Sections 1 & 2 (A) (Substation 418 to 2 Spans South of Trabold RD (With Ngrid Ckts))

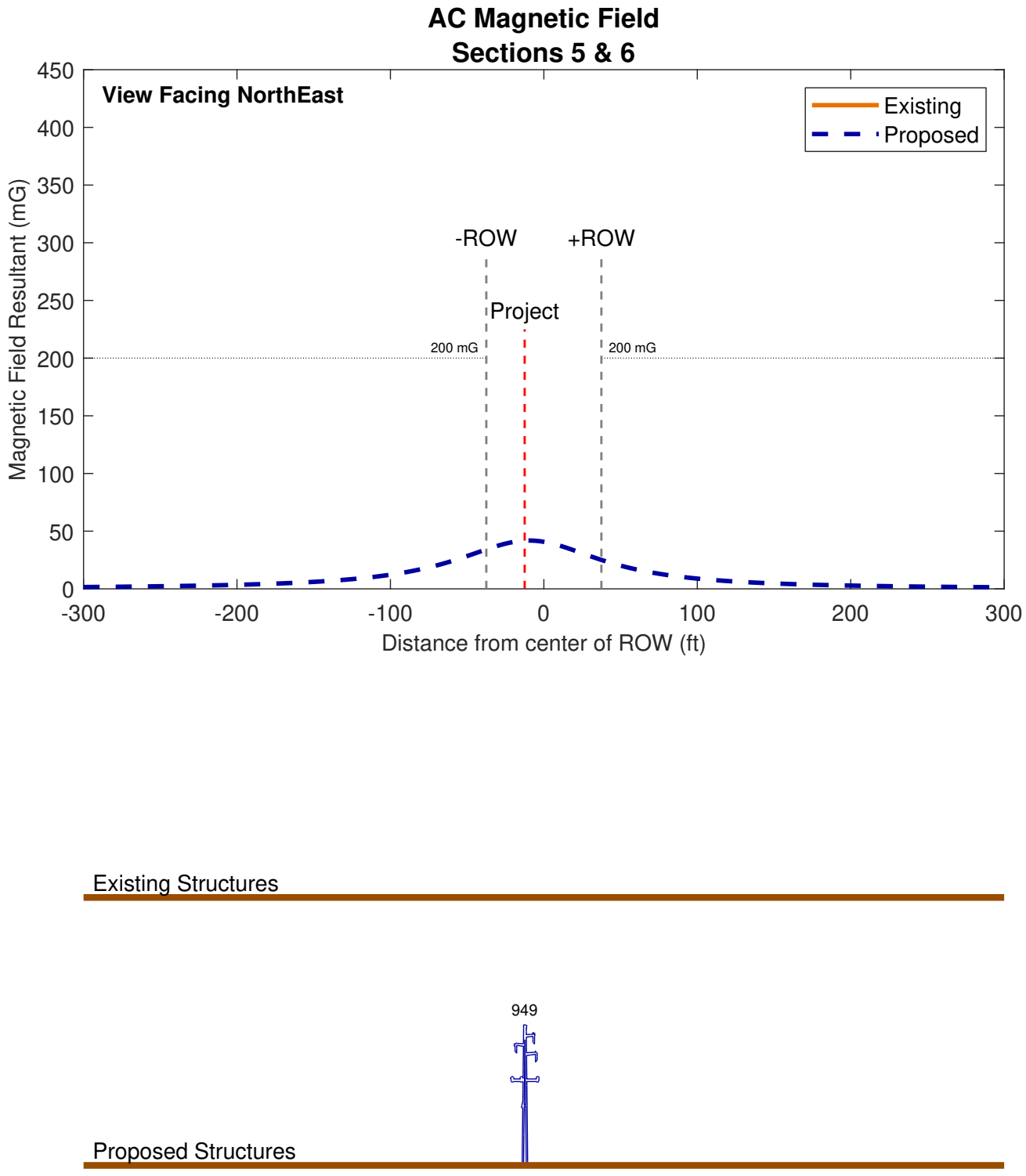

Figure B-9. Calculated AC magnetic-field profile along Sections 5 & 6 (CSX RR Section)

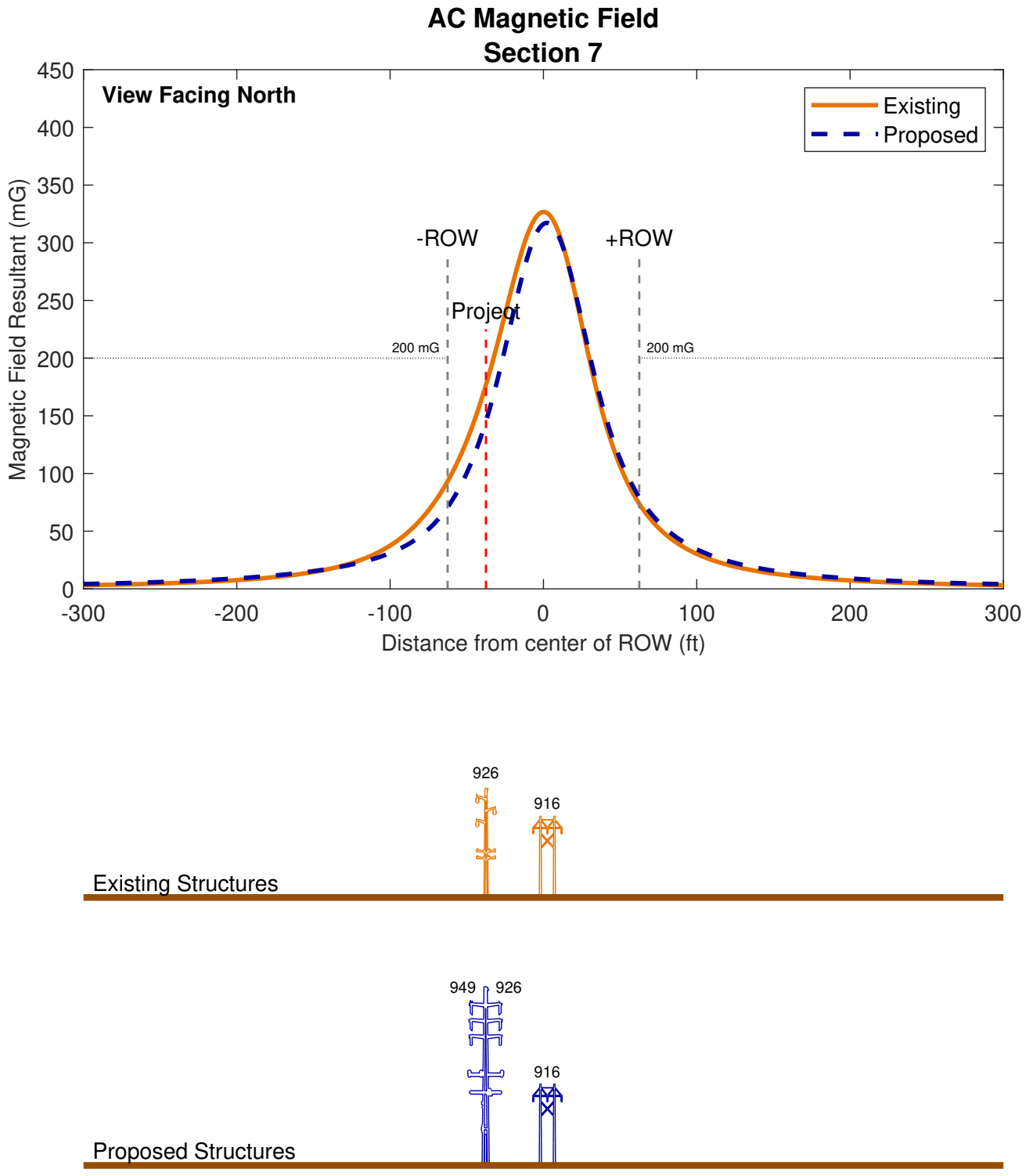

Figure B-10. Calculated AC magnetic-field profile along Section 7 (Line 926 & 916 Corridor to Buffalo Rd Crossing)

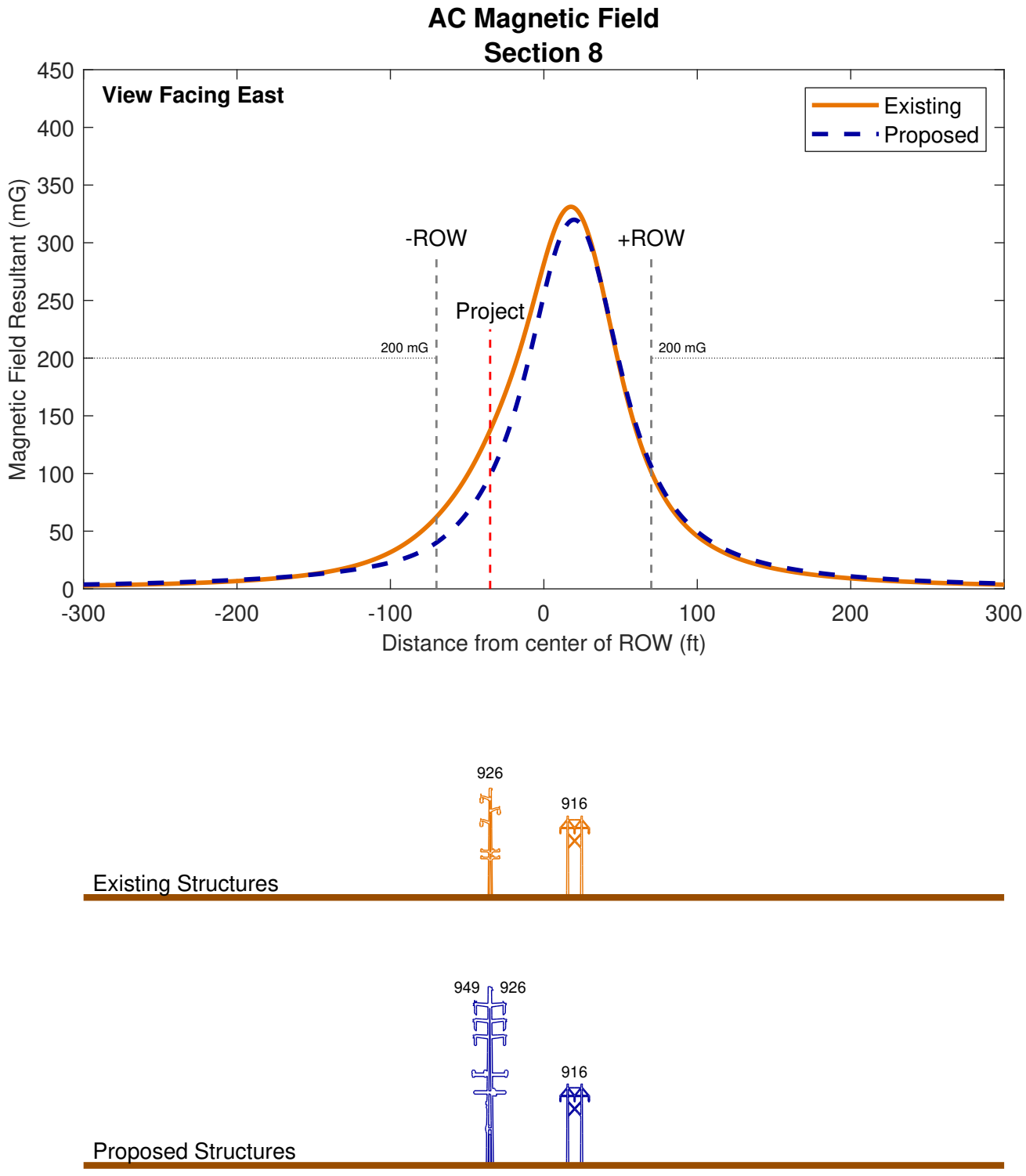

Figure B-11. Calculated AC magnetic-field profile along Section 8 (Buffalo Rd Crossing to Line 916 Crossing)

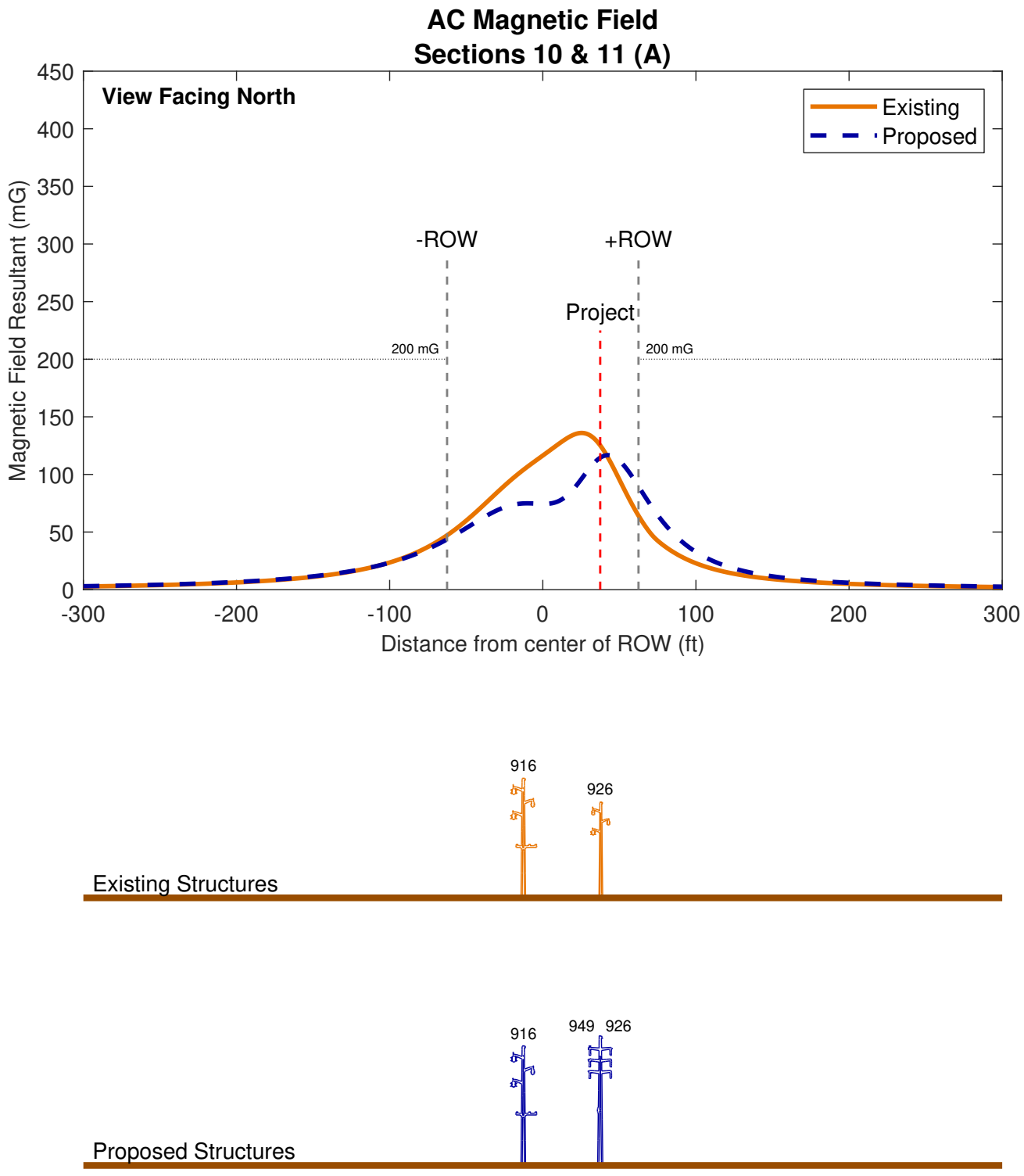

Figure B-12. Calculated AC magnetic-field profile along Sections 10 & 11 (A) (Rochester & Southern RR Crossing to 2 Spans N of Emerson ST)

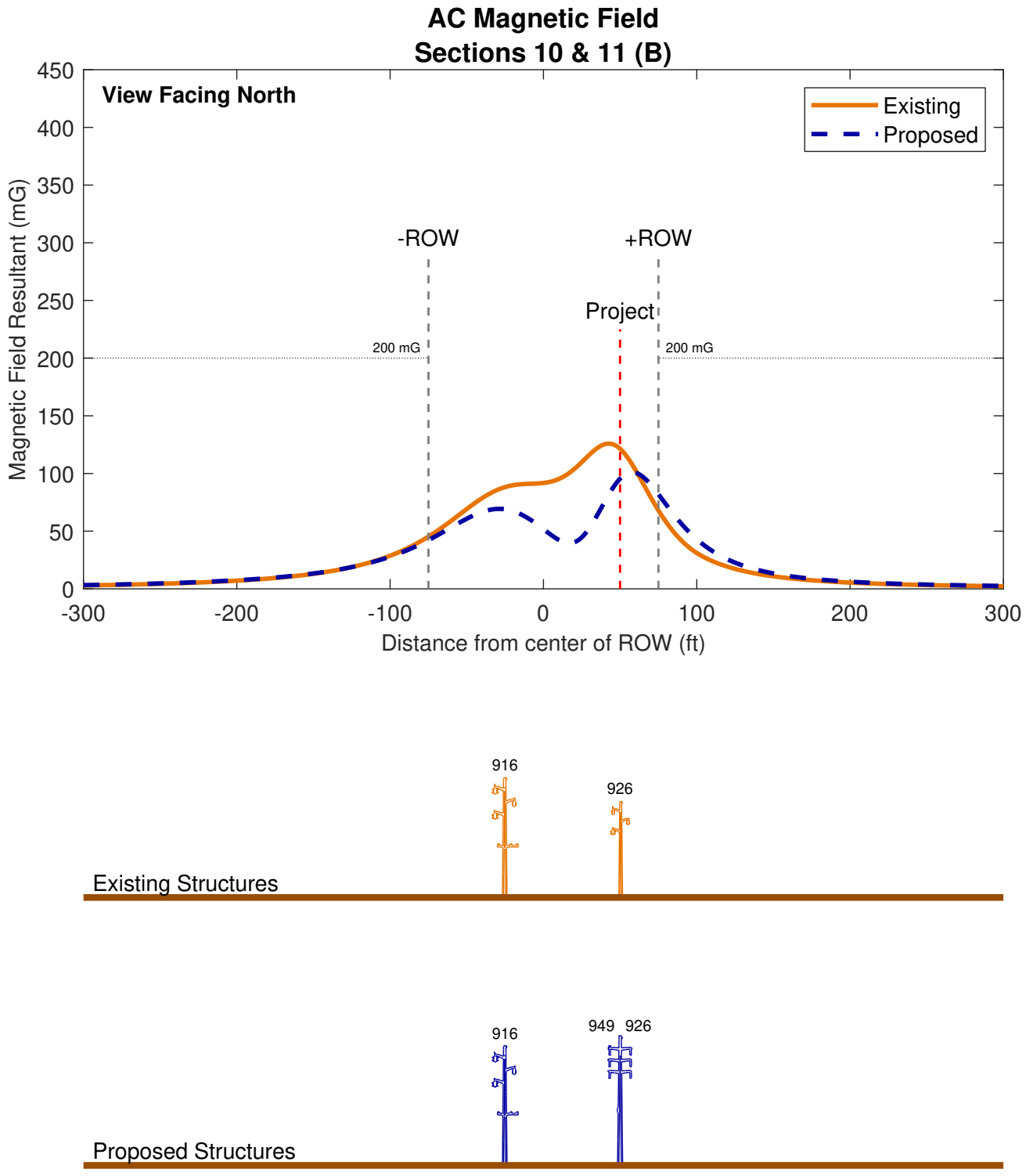

Figure B-13. Calculated AC magnetic-field profile along Sections 10 & 11 (B) (Rochester & Southern RR Crossing to 2 Spans N of Emerson ST)

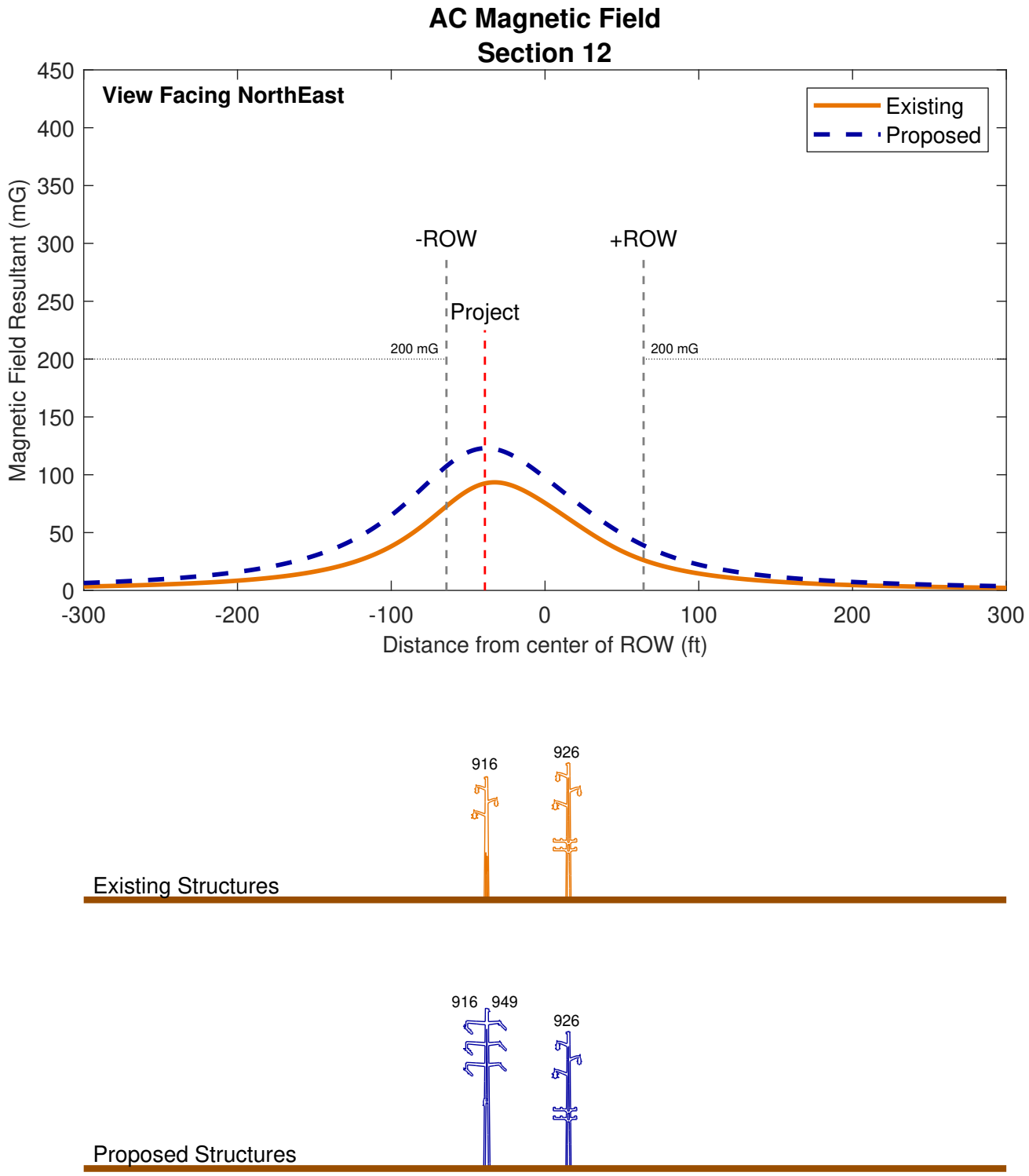

Figure B-14. Calculated AC magnetic-field profile along Section 12 (2 Spans N of Emerson ST to 2 Spans E of Mt Read Blvd)

Appendix C

Input Data Used for EMF Calculations

Table C-1. Input data for existing EMF calculations, Sections 1 & 2 (A) (Substation 418 to 2 Spans South of Trabold RD (With Ngrid Ckts))

Bundle	x-feet	y-feet	n cond	cond dia (inches)	Spacing (inches)	l-n voltage (kV)	V Phasing	Current (A)	Ph-Ph Voltage	I Phasing
1	17.55	44.70	1	1.108	0	66.395	0	1350	115	0
2	2.45	38.20	1	1.108	0	66.395	240	1350	115	240
3	2.45	51.20	1	1.108	0	66.395	120	1350	115	120
4	10.50	65.20	1	0.360	0	0	0	0	0	0
5	36.15	32.70	1	1.108	0	66.395	0	1350	115	0
6	36.15	52.00	1	1.108	0	66.395	240	1350	115	240
7	33.30	42.35	1	1.108	0	66.395	120	1350	115	120
8	40.50	62.90	1	0.360	0	0	0	0	0	0
9	53.85	32.70	1	1.108	0	66.395	0	1350	115	0
10	53.85	52.00	1	1.108	0	66.395	240	1350	115	240
11	56.70	42.35	1	1.108	0	66.395	120	1350	115	120
12	49.50	62.90	1	110.000	0	0	0	0	0	0
13	-62.09	-4.07	1	3.910	0	66.395	0	1506	115	0
14	-62.09	-4.80	1	3.910	0	66.395	240	1506	115	240
15	-61.36	-4.80	1	3.910	0	66.395	120	1506	115	120
16	-59.91	-4.07	1	3.910	0	66.395	0	1506	115	0
17	-59.91	-4.80	1	3.910	0	66.395	240	1506	115	240
18	-60.64	-4.80	1	3.910	0	66.395	120	1506	115	120
19	-67.00	34.50	1	1.170	0	66.395	0	1455	115	0
20	-67.00	43.35	1	1.170	0	66.395	240	1455	115	240
21	-67.00	52.20	1	1.170	0	66.395	120	1455	115	120
22	-75.50	66.70	1	0.583	0	0	0	0	0	0

Table C-2. Input data for proposed EMF calculations, Sections 1 & 2 (A) (Substation 418 to 2 Spans South of Trabold RD (With Ngrid Ckts))

Bundle	x-feet	y-feet	n cond	cond dia (inches)	Spacing (inches)	l-n voltage (kV)	V Phasing	Current (A)	Ph-Ph Voltage	I Phasing
1	17.55	44.70	1	1.108	0	66.395	0	1350	115	0
2	2.45	38.20	1	1.108	0	66.395	240	1350	115	240
3	2.45	51.20	1	1.108	0	66.395	120	1350	115	120
4	10.50	65.20	1	0.360	0	0	0	0	0	0
5	36.15	32.70	1	1.108	0	66.395	0	1350	115	0
6	36.15	52.00	1	1.108	0	66.395	240	1350	115	240
7	33.30	42.35	1	1.108	0	66.395	120	1350	115	120
8	40.50	62.90	1	0.360	0	0	0	0	0	0
9	53.85	32.70	1	1.108	0	66.395	0	1350	115	0
10	53.85	52.00	1	1.108	0	66.395	240	1350	115	240
11	56.70	42.35	1	1.108	0	66.395	120	1350	115	120
12	49.50	62.90	1	110.000	0	0	0	0	0	0
13	-62.09	-4.07	1	3.910	0	66.395	0	1506	115	0
14	-62.09	-4.80	1	3.910	0	66.395	240	1506	115	240
15	-61.36	-4.80	1	3.910	0	66.395	120	1506	115	120
16	-59.91	-4.07	1	3.910	0	66.395	0	1506	115	0
17	-59.91	-4.80	1	3.910	0	66.395	240	1506	115	240
18	-60.64	-4.80	1	3.910	0	66.395	120	1506	115	120
19	-66.30	43.30	1	1.170	0	66.395	0	1455	115	0
20	-66.30	55.30	1	1.170	0	66.395	240	1455	115	240
21	-66.30	67.30	1	1.170	0	66.395	120	1455	115	120
22	-74.50	91.70	1	0.583	0	0	0	0	0	0
23	-83.70	59.10	1	1.108	0	66.395	0	1350	115	0
24	-83.70	71.10	1	1.108	0	66.395	240	1350	115	240
25	-83.70	47.10	1	1.108	0	66.395	120	1350	115	120

Table C-3. Input data for existing EMF calculations, Sections 5 & 6 (CSX RR Section)

Bundle	x-feet	y-feet	n cond	cond dia (inches)	Spacing (inches)	l-n voltage (kV)	V Phasing	Current (A)	Ph-Ph Voltage	I Phasing
1	-12.50	1.00	1	1.108	0	0	0	0	0	0
2	-12.50	2.00	1	1.108	0	0	240	0	0	240
3	-12.50	3.00	1	1.108	0	0	120	0	0	120

Table C-4. Input data for proposed EMF calculations, Sections 5 & 6 (CSX RR Section)

Bundle	x-feet	y-feet	n cond	cond dia (inches)	Spacing (inches)	l-n voltage (kV)	V Phasing	Current (A)	Ph-Ph Voltage	I Phasing
1	-19.50	63.80	1	1.108	0	66.395	0	1350	115	0
2	-5.50	71.80	1	1.108	0	66.395	240	1350	115	240
3	-3.90	55.80	1	1.108	0	66.395	120	1350	115	120
4	-12.00	88.00	1	0.583	0	0	0	0	0	0

Table C-5. Input data for existing EMF calculations, Section 7 (Line 926 & 916 Corridor to Buffalo Rd Crossing)

Bundle	x-feet	y-feet	n cond	cond dia (inches)	Spacing (inches)	l-n voltage (kV)	V Phasing	Current (A)	Ph-Ph Voltage	I Phasing
1	-9.65	35.30	2	1.108	18	66.395	0	2700	115	0
2	2.50	35.30	2	1.108	18	66.395	240	2700	115	240
3	14.65	35.30	2	1.108	18	66.395	120	2700	115	120
4	-4.00	52.40	1	0.360	0	0	0	0	0	0
5	9.00	52.40	1	0.360	0	0	0	0	0	0
6	-31.00	52.95	1	1.379	0	66.395	0	1775	115	0
7	-44.00	47.20	1	1.379	0	66.395	240	1775	115	240
8	-44.00	58.70	1	1.379	0	66.395	120	1775	115	120
9	-37.00	70.70	1	0.583	0	0	0	0	0	0

Table C-6. Input data for proposed EMF calculations, Section 7 (Line 926 & 916 Corridor to Buffalo Rd Crossing)

Bundle	x-feet	y-feet	n cond	cond dia (inches)	Spacing (inches)	l-n voltage (kV)	V Phasing	Current (A)	Ph-Ph Voltage	I Phasing
1	-9.65	35.30	2	1.108	18	66.395	0	2700	115	0
2	2.50	35.30	2	1.108	18	66.395	240	2700	115	240
3	14.65	35.30	2	1.108	18	66.395	120	2700	115	120
4	-4.00	52.40	1	0.360	0	0	0	0	0	0
5	9.00	52.40	1	0.360	0	0	0	0	0	0
6	-28.80	79.40	1	1.379	0	66.395	0	1775	115	0
7	-28.80	67.40	1	1.379	0	66.395	240	1775	115	240
8	-28.80	91.40	1	1.379	0	66.395	120	1775	115	120
9	-37.00	112.90	1	0.583	0	0	0	0	0	0
10	-46.20	80.90	1	1.108	0	66.395	0	1350	115	0
11	-46.20	92.90	1	1.108	0	66.395	240	1350	115	240
12	-46.20	68.90	1	1.108	0	66.395	120	1350	115	120

Table C-7. Input data for existing EMF calculations, Section 8 (Buffalo Rd Crossing to Line 916 Crossing)

Bundle	x-feet	y-feet	n cond	cond dia (inches)	Spacing (inches)	l-n voltage (kV)	V Phasing	Current (A)	Ph-Ph Voltage	I Phasing
1	7.85	35.30	2	1.108	18	66.395	0	2700	115	0
2	20.00	35.30	2	1.108	18	66.395	240	2700	115	240
3	32.15	35.30	2	1.108	18	66.395	120	2700	115	120
4	13.50	52.40	1	0.360	0	0	0	0	0	0
5	26.50	52.40	1	0.360	0	0	0	0	0	0
6	-28.50	52.95	1	1.379	0	66.395	0	1775	115	0
7	-41.50	47.20	1	1.379	0	66.395	240	1775	115	240
8	-41.50	58.70	1	1.379	0	66.395	120	1775	115	120
9	-34.50	70.70	1	0.583	0	0	0	0	0	0

Table C-8. Input data for proposed EMF calculations, Section 8 (Buffalo Rd Crossing to Line 916 Crossing)

Bundle	x-feet	y-feet	n cond	cond dia (inches)	Spacing (inches)	l-n voltage (kV)	V Phasing	Current (A)	Ph-Ph Voltage	I Phasing
1	7.85	35.30	2	1.108	18	66.395	0	2700	115	0
2	20.00	35.30	2	1.108	18	66.395	240	2700	115	240
3	32.15	35.30	2	1.108	18	66.395	120	2700	115	120
4	13.50	52.40	1	0.360	0	0	0	0	0	0
5	26.50	52.40	1	0.360	0	0	0	0	0	0
6	-26.30	79.40	1	1.379	0	66.395	0	1775	115	0
7	-26.30	67.40	1	1.379	0	66.395	240	1775	115	240
8	-26.30	91.40	1	1.379	0	66.395	120	1775	115	120
9	-34.50	112.90	1	0.583	0	0	0	0	0	0
10	-43.70	80.90	1	1.108	0	66.395	0	1350	115	0
11	-43.70	92.90	1	1.108	0	66.395	240	1350	115	240
12	-43.70	68.90	1	1.108	0	66.395	120	1350	115	120

Table C-9. Input data for existing EMF calculations, Sections 10 & 11 (A) (Rochester & Southern RR Crossing to 2 Spans N of Emerson ST)

Bundle	x-feet	y-feet	n cond	cond dia (inches)	Spacing (inches)	l-n voltage (kV)	V Phasing	Current (A)	Ph-Ph Voltage	I Phasing
1	-19.35	66.70	2	1.108	18	66.395	0	2700	115	0
2	-5.65	62.70	2	1.108	18	66.395	240	2700	115	240
3	-19.35	58.70	2	1.108	18	66.395	120	2700	115	120
4	-12.00	77.50	1	0.360	0	0	0	0	0	0
5	43.00	41.80	1	1.379	0	66.395	0	1775	115	0
6	32.00	35.80	1	1.379	0	66.395	240	1775	115	240
7	32.00	47.80	1	1.379	0	66.395	120	1775	115	120
8	38.00	61.80	1	0.583	0	0	0	0	0	0

Table C-10. Input data for proposed EMF calculations, Sections 10 & 11 (A) (Rochester & Southern RR Crossing to 2 Spans N of Emerson ST)

Bundle	x-feet	y-feet	n cond	cond dia (inches)	Spacing (inches)	l-n voltage (kV)	V Phasing	Current (A)	Ph-Ph Voltage	I Phasing
1	-19.35	66.70	2	1.108	18	66.395	0	2700	115	0
2	-5.65	62.70	2	1.108	18	66.395	240	2700	115	240
3	-19.35	58.70	2	1.108	18	66.395	120	2700	115	120
4	-12.00	77.50	1	0.360	0	0	0	0	0	0
5	44.25	50.70	1	1.379	0	66.395	0	1775	115	0
6	44.25	36.70	1	1.379	0	66.395	240	1775	115	240
7	44.25	64.70	1	1.379	0	66.395	120	1775	115	120
8	38.00	81.80	1	0.583	0	0	0	0	0	0
9	30.75	52.20	1	1.108	0	66.395	0	1350	115	0
10	30.75	66.20	1	1.108	0	66.395	240	1350	115	240
11	30.75	38.20	1	1.108	0	66.395	120	1350	115	120

Table C-11. Input data for existing EMF calculations, Sections 10 & 11 (B) (Rochester & Southern RR Crossing to 2 Spans N of Emerson ST)

Bundle	x-feet	y-feet	n cond	cond dia (inches)	Spacing (inches)	l-n voltage (kV)	V Phasing	Current (A)	Ph-Ph Voltage	I Phasing
1	-31.85	66.70	2	1.108	18	66.395	0	2700	115	0
2	-18.15	62.70	2	1.108	18	66.395	240	2700	115	240
3	-31.85	58.70	2	1.108	18	66.395	120	2700	115	120
4	-24.50	77.50	1	0.360	0	0	0	0	0	0
5	55.50	41.80	1	1.379	0	66.395	0	1775	115	0
6	44.50	35.80	1	1.379	0	66.395	240	1775	115	240
7	44.50	47.80	1	1.379	0	66.395	120	1775	115	120
8	50.50	61.80	1	0.583	0	0	0	0	0	0

Table C-12. Input data for proposed EMF calculations, Sections 10 & 11 (B) (Rochester & Southern RR Crossing to 2 Spans N of Emerson ST)

Bundle	x-feet	y-feet	n cond	cond dia (inches)	Spacing (inches)	l-n voltage (kV)	V Phasing	Current (A)	Ph-Ph Voltage	I Phasing
1	-31.85	66.70	2	1.108	18	66.395	0	2700	115	0
2	-18.15	62.70	2	1.108	18	66.395	240	2700	115	240
3	-31.85	58.70	2	1.108	18	66.395	120	2700	115	120
4	-24.50	77.50	1	0.360	0	0	0	0	0	0
5	56.75	50.70	1	1.379	0	66.395	0	1775	115	0
6	56.75	36.70	1	1.379	0	66.395	240	1775	115	240
7	56.75	64.70	1	1.379	0	66.395	120	1775	115	120
8	50.50	81.80	1	0.583	0	0	0	0	0	0
9	43.25	52.20	1	1.108	0	66.395	0	1350	115	0
10	43.25	66.20	1	1.108	0	66.395	240	1350	115	240
11	43.25	38.20	1	1.108	0	66.395	120	1350	115	120

Table C-13. Input data for existing EMF calculations, Section 12 (2 Spans N of Emerson ST to 2 Spans E of Mt Read Blvd)

Bundle	x-feet	y-feet	n cond	cond dia (inches)	Spacing (inches)	l-n voltage (kV)	V Phasing	Current (A)	Ph-Ph Voltage	I Phasing
1	19.80	72.75	1	1.379	0	66.395	0	1775	115	0
2	8.40	68.00	1	1.379	0	66.395	240	1775	115	240
3	8.40	77.50	1	1.379	0	66.395	120	1775	115	120
4	13.60	88.30	1	0.583	0	0	0	0	0	0
5	-46.80	65.60	2	1.108	18	66.395	0	2700	115	0
6	-31.40	61.00	2	1.108	18	66.395	240	2700	115	240
7	-46.80	56.40	2	1.108	18	66.395	120	2700	115	120
8	-39.60	79.40	1	0.360	0	0	0	0	0	0

Table C-14. Input data for proposed EMF calculations, Section 12 (2 Spans N of Emerson ST to 2 Spans E of Mt Read Blvd)

Bundle	x-feet	y-feet	n cond	cond dia (inches)	Spacing (inches)	l-n voltage (kV)	V Phasing	Current (A)	Ph-Ph Voltage	I Phasing
1	19.80	72.75	1	1.379	0	66.395	0	1775	115	0
2	8.40	68.00	1	1.379	0	66.395	240	1775	115	240
3	8.40	77.50	1	1.379	0	66.395	120	1775	115	120
4	13.60	88.30	1	0.583	0	0	0	0	0	0
5	-47.80	81.90	2	1.108	18	66.395	0	2700	115	0
6	-47.80	69.90	2	1.108	18	66.395	240	2700	115	240
7	-47.80	57.90	2	1.108	18	66.395	120	2700	115	120
8	-38.60	103.66	1	0.583	0	0	0	0	0	0
9	-30.40	69.90	1	1.108	0	66.395	0	1350	115	0
10	-30.40	81.90	1	1.108	0	66.395	240	1350	115	240
11	-30.40	57.90	1	1.108	0	66.395	120	1350	115	120

Appendix D

Output Tables of EMF Calculations

Table D-1. Calculated EMF levels for Sections 1 & 2 (A) through Section 8

	Sections 1 & 2 (A)		Sections 5 & 6		Section 7		Section 8	
Dist (feet)	Magnetic Field Maximum (mG)	Electric Field Resultant (kV/m)	Magnetic Field Maximum (mG)	Electric Field Resultant (kV/m)	Magnetic Field Maximum (mG)	Electric Field Resultant (kV/m)	Magnetic Field Maximum (mG)	Electric Field Resultant (kV/m)
-500	1.8	<0.01	0.6	<0.01	1.5	<0.01	1.4	<0.01
-499	1.8	<0.01	0.6	<0.01	1.5	<0.01	1.4	<0.01
-498	1.9	<0.01	0.6	<0.01	1.5	<0.01	1.4	<0.01
-497	1.9	<0.01	0.6	<0.01	1.5	<0.01	1.4	<0.01
-496	1.9	<0.01	0.6	<0.01	1.5	<0.01	1.4	<0.01
-495	1.9	<0.01	0.6	<0.01	1.5	<0.01	1.4	<0.01
-494	1.9	<0.01	0.6	<0.01	1.5	<0.01	1.4	<0.01
-493	1.9	<0.01	0.6	<0.01	1.6	<0.01	1.4	<0.01
-492	1.9	<0.01	0.6	<0.01	1.6	<0.01	1.5	<0.01
-491	1.9	<0.01	0.6	<0.01	1.6	<0.01	1.5	<0.01
-490	1.9	<0.01	0.6	<0.01	1.6	<0.01	1.5	<0.01
-489	1.9	<0.01	0.6	<0.01	1.6	<0.01	1.5	<0.01
-488	1.9	<0.01	0.6	<0.01	1.6	<0.01	1.5	<0.01
-487	1.9	<0.01	0.6	<0.01	1.6	<0.01	1.5	<0.01
-486	1.9	<0.01	0.6	<0.01	1.6	<0.01	1.5	<0.01
-485	2.0	<0.01	0.6	<0.01	1.6	<0.01	1.5	<0.01
-484	2.0	<0.01	0.6	<0.01	1.6	<0.01	1.5	<0.01
-483	2.0	<0.01	0.6	<0.01	1.6	<0.01	1.5	<0.01
-482	2.0	<0.01	0.6	<0.01	1.6	<0.01	1.5	<0.01
-481	2.0	<0.01	0.6	<0.01	1.6	<0.01	1.5	<0.01
-480	2.0	<0.01	0.6	<0.01	1.6	<0.01	1.5	<0.01
-479	2.0	<0.01	0.6	<0.01	1.6	<0.01	1.5	<0.01
-478	2.0	<0.01	0.6	<0.01	1.6	<0.01	1.5	<0.01
-477	2.0	<0.01	0.6	<0.01	1.7	<0.01	1.5	<0.01
-476	2.0	<0.01	0.6	<0.01	1.7	<0.01	1.6	<0.01
-475	2.0	<0.01	0.6	<0.01	1.7	<0.01	1.6	<0.01
-474	2.0	<0.01	0.6	<0.01	1.7	<0.01	1.6	<0.01
-473	2.1	<0.01	0.6	<0.01	1.7	<0.01	1.6	<0.01
-472	2.1	<0.01	0.6	<0.01	1.7	<0.01	1.6	<0.01
-471	2.1	<0.01	0.6	<0.01	1.7	<0.01	1.6	<0.01
-470	2.1	<0.01	0.6	<0.01	1.7	<0.01	1.6	<0.01
-469	2.1	<0.01	0.6	<0.01	1.7	<0.01	1.6	<0.01
-468	2.1	<0.01	0.6	<0.01	1.7	<0.01	1.6	<0.01
-467	2.1	<0.01	0.6	<0.01	1.7	<0.01	1.6	<0.01
-466	2.1	<0.01	0.6	<0.01	1.7	<0.01	1.6	<0.01
-465	2.1	<0.01	0.6	<0.01	1.7	<0.01	1.6	<0.01
-464	2.1	<0.01	0.6	<0.01	1.8	<0.01	1.6	<0.01
-463	2.1	<0.01	0.7	<0.01	1.8	<0.01	1.6	<0.01
-462	2.2	<0.01	0.7	<0.01	1.8	<0.01	1.6	<0.01
-461	2.2	<0.01	0.7	<0.01	1.8	<0.01	1.7	<0.01
-460	2.2	<0.01	0.7	<0.01	1.8	<0.01	1.7	<0.01
-459	2.2	<0.01	0.7	<0.01	1.8	<0.01	1.7	<0.01

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Table D-1 – Continued from previous page

Dist (feet)	Sections 1 & 2 (A) Magnetic Field Maximum (mG)	Sections 1 & 2 (A) Electric Field Resultant (kV/m)	Sections 5 & 6 Magnetic Field Maximum (mG)	Sections 5 & 6 Electric Field Resultant (kV/m)	Section 7 Magnetic Field Maximum (mG)	Section 7 Electric Field Resultant (kV/m)	Section 8 Magnetic Field Maximum (mG)	Section 8 Electric Field Resultant (kV/m)
-458	2.2	<0.01	0.7	<0.01	1.8	<0.01	1.7	<0.01
-457	2.2	<0.01	0.7	<0.01	1.8	<0.01	1.7	<0.01
-456	2.2	<0.01	0.7	<0.01	1.8	<0.01	1.7	<0.01
-455	2.2	<0.01	0.7	<0.01	1.8	<0.01	1.7	<0.01
-454	2.2	<0.01	0.7	<0.01	1.8	<0.01	1.7	<0.01
-453	2.2	<0.01	0.7	<0.01	1.8	<0.01	1.7	<0.01
-452	2.3	<0.01	0.7	<0.01	1.8	<0.01	1.7	<0.01
-451	2.3	<0.01	0.7	<0.01	1.9	<0.01	1.7	<0.01
-450	2.3	<0.01	0.7	<0.01	1.9	<0.01	1.7	<0.01
-449	2.3	<0.01	0.7	<0.01	1.9	<0.01	1.7	<0.01
-448	2.3	<0.01	0.7	<0.01	1.9	<0.01	1.7	<0.01
-447	2.3	<0.01	0.7	<0.01	1.9	<0.01	1.8	<0.01
-446	2.3	<0.01	0.7	<0.01	1.9	<0.01	1.8	<0.01
-445	2.3	<0.01	0.7	<0.01	1.9	<0.01	1.8	<0.01
-444	2.3	<0.01	0.7	<0.01	1.9	<0.01	1.8	<0.01
-443	2.4	<0.01	0.7	<0.01	1.9	<0.01	1.8	<0.01
-442	2.4	<0.01	0.7	<0.01	1.9	<0.01	1.8	<0.01
-441	2.4	<0.01	0.7	<0.01	1.9	<0.01	1.8	<0.01
-440	2.4	<0.01	0.7	<0.01	1.9	<0.01	1.8	<0.01
-439	2.4	<0.01	0.7	<0.01	2.0	<0.01	1.8	<0.01
-438	2.4	<0.01	0.7	<0.01	2.0	<0.01	1.8	<0.01
-437	2.4	<0.01	0.7	<0.01	2.0	<0.01	1.8	<0.01
-436	2.4	<0.01	0.7	<0.01	2.0	<0.01	1.8	<0.01
-435	2.4	<0.01	0.7	<0.01	2.0	<0.01	1.8	<0.01
-434	2.5	<0.01	0.7	<0.01	2.0	<0.01	1.9	<0.01
-433	2.5	<0.01	0.7	<0.01	2.0	<0.01	1.9	<0.01
-432	2.5	<0.01	0.7	<0.01	2.0	<0.01	1.9	<0.01
-431	2.5	<0.01	0.8	<0.01	2.0	<0.01	1.9	<0.01
-430	2.5	<0.01	0.8	<0.01	2.0	<0.01	1.9	<0.01
-429	2.5	<0.01	0.8	<0.01	2.0	<0.01	1.9	<0.01
-428	2.5	<0.01	0.8	<0.01	2.1	<0.01	1.9	<0.01
-427	2.5	<0.01	0.8	<0.01	2.1	<0.01	1.9	<0.01
-426	2.5	<0.01	0.8	<0.01	2.1	<0.01	1.9	<0.01
-425	2.6	<0.01	0.8	<0.01	2.1	<0.01	1.9	<0.01
-424	2.6	<0.01	0.8	<0.01	2.1	<0.01	1.9	<0.01
-423	2.6	<0.01	0.8	<0.01	2.1	<0.01	1.9	<0.01
-422	2.6	<0.01	0.8	<0.01	2.1	<0.01	2.0	<0.01
-421	2.6	<0.01	0.8	<0.01	2.1	<0.01	2.0	<0.01
-420	2.6	<0.01	0.8	<0.01	2.1	<0.01	2.0	<0.01
-419	2.6	<0.01	0.8	<0.01	2.1	<0.01	2.0	<0.01
-418	2.6	<0.01	0.8	<0.01	2.2	<0.01	2.0	<0.01
-417	2.7	<0.01	0.8	<0.01	2.2	<0.01	2.0	<0.01

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Table D-1 – Continued from previous page

Dist (feet)	Sections 1 & 2 (A) Magnetic Field Maximum (mG)	Sections 1 & 2 (A) Electric Field Resultant (kV/m)	Sections 5 & 6 Magnetic Field Maximum (mG)	Sections 5 & 6 Electric Field Resultant (kV/m)	Section 7 Magnetic Field Maximum (mG)	Section 7 Electric Field Resultant (kV/m)	Section 8 Magnetic Field Maximum (mG)	Section 8 Electric Field Resultant (kV/m)
-416	2.7	<0.01	0.8	<0.01	2.2	<0.01	2.0	<0.01
-415	2.7	<0.01	0.8	<0.01	2.2	<0.01	2.0	<0.01
-414	2.7	<0.01	0.8	<0.01	2.2	<0.01	2.0	<0.01
-413	2.7	<0.01	0.8	<0.01	2.2	<0.01	2.0	<0.01
-412	2.7	<0.01	0.8	<0.01	2.2	<0.01	2.0	<0.01
-411	2.7	<0.01	0.8	<0.01	2.2	<0.01	2.1	<0.01
-410	2.8	<0.01	0.8	<0.01	2.2	<0.01	2.1	<0.01
-409	2.8	<0.01	0.8	<0.01	2.3	<0.01	2.1	<0.01
-408	2.8	<0.01	0.8	<0.01	2.3	<0.01	2.1	<0.01
-407	2.8	<0.01	0.8	<0.01	2.3	<0.01	2.1	<0.01
-406	2.8	<0.01	0.8	<0.01	2.3	<0.01	2.1	<0.01
-405	2.8	<0.01	0.9	<0.01	2.3	<0.01	2.1	<0.01
-404	2.8	<0.01	0.9	<0.01	2.3	<0.01	2.1	<0.01
-403	2.9	<0.01	0.9	<0.01	2.3	<0.01	2.1	<0.01
-402	2.9	<0.01	0.9	<0.01	2.3	<0.01	2.1	<0.01
-401	2.9	<0.01	0.9	<0.01	2.3	<0.01	2.2	<0.01
-400	2.9	<0.01	0.9	<0.01	2.4	<0.01	2.2	<0.01
-399	2.9	<0.01	0.9	<0.01	2.4	<0.01	2.2	<0.01
-398	2.9	<0.01	0.9	<0.01	2.4	<0.01	2.2	<0.01
-397	2.9	<0.01	0.9	<0.01	2.4	<0.01	2.2	<0.01
-396	3.0	<0.01	0.9	<0.01	2.4	<0.01	2.2	<0.01
-395	3.0	<0.01	0.9	<0.01	2.4	<0.01	2.2	<0.01
-394	3.0	<0.01	0.9	<0.01	2.4	<0.01	2.2	<0.01
-393	3.0	<0.01	0.9	<0.01	2.4	<0.01	2.2	<0.01
-392	3.0	<0.01	0.9	<0.01	2.4	<0.01	2.3	<0.01
-391	3.0	<0.01	0.9	<0.01	2.5	<0.01	2.3	<0.01
-390	3.1	<0.01	0.9	<0.01	2.5	<0.01	2.3	<0.01
-389	3.1	<0.01	0.9	<0.01	2.5	<0.01	2.3	<0.01
-388	3.1	<0.01	0.9	<0.01	2.5	<0.01	2.3	<0.01
-387	3.1	<0.01	0.9	<0.01	2.5	<0.01	2.3	<0.01
-386	3.1	<0.01	0.9	<0.01	2.5	<0.01	2.3	<0.01
-385	3.1	<0.01	0.9	<0.01	2.5	<0.01	2.3	<0.01
-384	3.2	<0.01	1.0	<0.01	2.6	<0.01	2.3	<0.01
-383	3.2	<0.01	1.0	<0.01	2.6	<0.01	2.4	<0.01
-382	3.2	<0.01	1.0	<0.01	2.6	<0.01	2.4	<0.01
-381	3.2	<0.01	1.0	<0.01	2.6	<0.01	2.4	<0.01
-380	3.2	<0.01	1.0	<0.01	2.6	<0.01	2.4	<0.01
-379	3.2	<0.01	1.0	<0.01	2.6	<0.01	2.4	<0.01
-378	3.3	<0.01	1.0	<0.01	2.6	<0.01	2.4	<0.01
-377	3.3	<0.01	1.0	<0.01	2.6	<0.01	2.4	<0.01
-376	3.3	<0.01	1.0	<0.01	2.7	<0.01	2.4	<0.01
-375	3.3	<0.01	1.0	<0.01	2.7	<0.01	2.4	<0.01

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Table D-1 – Continued from previous page

Dist (feet)	Sections 1 & 2 (A) Magnetic Field Maximum (mG)	Sections 1 & 2 (A) Electric Field Resultant (kV/m)	Sections 5 & 6 Magnetic Field Maximum (mG)	Sections 5 & 6 Electric Field Resultant (kV/m)	Section 7 Magnetic Field Maximum (mG)	Section 7 Electric Field Resultant (kV/m)	Section 8 Magnetic Field Maximum (mG)	Section 8 Electric Field Resultant (kV/m)
-374	3.3	<0.01	1.0	<0.01	2.7	<0.01	2.5	<0.01
-373	3.3	<0.01	1.0	<0.01	2.7	<0.01	2.5	<0.01
-372	3.4	<0.01	1.0	<0.01	2.7	<0.01	2.5	<0.01
-371	3.4	<0.01	1.0	<0.01	2.7	<0.01	2.5	<0.01
-370	3.4	<0.01	1.0	<0.01	2.7	<0.01	2.5	<0.01
-369	3.4	<0.01	1.0	<0.01	2.8	<0.01	2.5	<0.01
-368	3.4	<0.01	1.0	<0.01	2.8	<0.01	2.5	<0.01
-367	3.5	<0.01	1.0	<0.01	2.8	<0.01	2.6	<0.01
-366	3.5	<0.01	1.0	<0.01	2.8	<0.01	2.6	<0.01
-365	3.5	<0.01	1.1	<0.01	2.8	<0.01	2.6	<0.01
-364	3.5	<0.01	1.1	<0.01	2.8	<0.01	2.6	<0.01
-363	3.5	0.01	1.1	<0.01	2.9	<0.01	2.6	<0.01
-362	3.6	0.01	1.1	<0.01	2.9	<0.01	2.6	<0.01
-361	3.6	0.01	1.1	<0.01	2.9	<0.01	2.6	<0.01
-360	3.6	0.01	1.1	<0.01	2.9	<0.01	2.6	<0.01
-359	3.6	0.01	1.1	<0.01	2.9	<0.01	2.7	<0.01
-358	3.6	0.01	1.1	<0.01	2.9	<0.01	2.7	<0.01
-357	3.7	0.01	1.1	<0.01	2.9	<0.01	2.7	<0.01
-356	3.7	0.01	1.1	<0.01	3.0	<0.01	2.7	<0.01
-355	3.7	0.01	1.1	<0.01	3.0	<0.01	2.7	<0.01
-354	3.7	0.01	1.1	<0.01	3.0	<0.01	2.7	<0.01
-353	3.7	0.01	1.1	<0.01	3.0	<0.01	2.7	<0.01
-352	3.8	0.01	1.1	<0.01	3.0	<0.01	2.8	<0.01
-351	3.8	0.01	1.1	<0.01	3.0	<0.01	2.8	<0.01
-350	3.8	0.01	1.1	<0.01	3.1	<0.01	2.8	<0.01
-349	3.8	0.01	1.2	<0.01	3.1	<0.01	2.8	<0.01
-348	3.9	0.01	1.2	<0.01	3.1	<0.01	2.8	<0.01
-347	3.9	0.01	1.2	<0.01	3.1	<0.01	2.8	<0.01
-346	3.9	0.01	1.2	<0.01	3.1	<0.01	2.9	<0.01
-345	3.9	0.01	1.2	<0.01	3.2	<0.01	2.9	<0.01
-344	4.0	0.01	1.2	<0.01	3.2	<0.01	2.9	<0.01
-343	4.0	0.01	1.2	<0.01	3.2	<0.01	2.9	<0.01
-342	4.0	0.01	1.2	<0.01	3.2	<0.01	2.9	<0.01
-341	4.0	0.01	1.2	<0.01	3.2	<0.01	2.9	<0.01
-340	4.1	0.01	1.2	<0.01	3.2	<0.01	2.9	<0.01
-339	4.1	0.01	1.2	<0.01	3.3	<0.01	3.0	<0.01
-338	4.1	0.01	1.2	<0.01	3.3	<0.01	3.0	<0.01
-337	4.1	0.01	1.2	<0.01	3.3	<0.01	3.0	<0.01
-336	4.2	0.01	1.2	<0.01	3.3	<0.01	3.0	<0.01
-335	4.2	0.01	1.3	<0.01	3.3	<0.01	3.0	<0.01
-334	4.2	0.01	1.3	<0.01	3.4	<0.01	3.0	<0.01
-333	4.2	0.01	1.3	<0.01	3.4	<0.01	3.1	<0.01

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Table D-1 – Continued from previous page

Dist (feet)	Sections 1 & 2 (A) Magnetic Field Maximum (mG)	Sections 1 & 2 (A) Electric Field Resultant (kV/m)	Sections 5 & 6 Magnetic Field Maximum (mG)	Sections 5 & 6 Electric Field Resultant (kV/m)	Section 7 Magnetic Field Maximum (mG)	Section 7 Electric Field Resultant (kV/m)	Section 8 Magnetic Field Maximum (mG)	Section 8 Electric Field Resultant (kV/m)
-332	4.3	0.01	1.3	<0.01	3.4	<0.01	3.1	<0.01
-331	4.3	0.01	1.3	<0.01	3.4	<0.01	3.1	<0.01
-330	4.3	0.01	1.3	<0.01	3.4	<0.01	3.1	<0.01
-329	4.3	0.01	1.3	<0.01	3.5	<0.01	3.1	<0.01
-328	4.4	0.01	1.3	<0.01	3.5	<0.01	3.2	<0.01
-327	4.4	0.01	1.3	<0.01	3.5	<0.01	3.2	<0.01
-326	4.4	0.01	1.3	<0.01	3.5	<0.01	3.2	<0.01
-325	4.5	0.01	1.3	<0.01	3.5	<0.01	3.2	<0.01
-324	4.5	0.01	1.3	<0.01	3.6	<0.01	3.2	<0.01
-323	4.5	0.01	1.3	<0.01	3.6	<0.01	3.2	<0.01
-322	4.5	0.01	1.4	<0.01	3.6	<0.01	3.3	<0.01
-321	4.6	0.01	1.4	<0.01	3.6	<0.01	3.3	<0.01
-320	4.6	0.01	1.4	<0.01	3.7	<0.01	3.3	<0.01
-319	4.6	0.01	1.4	<0.01	3.7	<0.01	3.3	<0.01
-318	4.7	0.01	1.4	<0.01	3.7	<0.01	3.3	<0.01
-317	4.7	0.01	1.4	<0.01	3.7	<0.01	3.4	<0.01
-316	4.7	0.01	1.4	<0.01	3.8	<0.01	3.4	<0.01
-315	4.7	0.01	1.4	<0.01	3.8	<0.01	3.4	<0.01
-314	4.8	0.01	1.4	<0.01	3.8	<0.01	3.4	<0.01
-313	4.8	0.01	1.4	<0.01	3.8	<0.01	3.4	<0.01
-312	4.8	0.01	1.4	<0.01	3.8	<0.01	3.5	<0.01
-311	4.9	0.01	1.5	<0.01	3.9	<0.01	3.5	<0.01
-310	4.9	0.01	1.5	<0.01	3.9	<0.01	3.5	<0.01
-309	4.9	0.01	1.5	<0.01	3.9	<0.01	3.5	<0.01
-308	5.0	0.01	1.5	<0.01	3.9	<0.01	3.5	<0.01
-307	5.0	0.01	1.5	<0.01	4.0	<0.01	3.6	<0.01
-306	5.0	0.01	1.5	<0.01	4.0	<0.01	3.6	<0.01
-305	5.1	0.01	1.5	<0.01	4.0	<0.01	3.6	<0.01
-304	5.1	0.01	1.5	<0.01	4.0	<0.01	3.6	<0.01
-303	5.2	0.01	1.5	<0.01	4.1	<0.01	3.7	<0.01
-302	5.2	0.01	1.5	<0.01	4.1	<0.01	3.7	<0.01
-301	5.2	0.01	1.6	<0.01	4.1	<0.01	3.7	<0.01
-300	5.3	0.01	1.6	<0.01	4.2	<0.01	3.7	<0.01
-299	5.3	0.01	1.6	<0.01	4.2	<0.01	3.8	<0.01
-298	5.3	0.01	1.6	<0.01	4.2	<0.01	3.8	<0.01
-297	5.4	0.02	1.6	<0.01	4.2	<0.01	3.8	<0.01
-296	5.4	0.02	1.6	<0.01	4.3	<0.01	3.8	<0.01
-295	5.4	0.02	1.6	<0.01	4.3	<0.01	3.8	<0.01
-294	5.5	0.02	1.6	<0.01	4.3	<0.01	3.9	<0.01
-293	5.5	0.02	1.6	<0.01	4.4	<0.01	3.9	<0.01
-292	5.6	0.02	1.7	<0.01	4.4	<0.01	3.9	<0.01
-291	5.6	0.02	1.7	<0.01	4.4	<0.01	3.9	<0.01

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Table D-1 – Continued from previous page

Dist (feet)	Sections 1 & 2 (A) Magnetic Field Maximum (mG)	Sections 1 & 2 (A) Electric Field Resultant (kV/m)	Sections 5 & 6 Magnetic Field Maximum (mG)	Sections 5 & 6 Electric Field Resultant (kV/m)	Section 7 Magnetic Field Maximum (mG)	Section 7 Electric Field Resultant (kV/m)	Section 8 Magnetic Field Maximum (mG)	Section 8 Electric Field Resultant (kV/m)
-290	5.6	0.02	1.7	<0.01	4.4	<0.01	4.0	<0.01
-289	5.7	0.02	1.7	<0.01	4.5	<0.01	4.0	<0.01
-288	5.7	0.02	1.7	<0.01	4.5	<0.01	4.0	<0.01
-287	5.8	0.02	1.7	<0.01	4.5	<0.01	4.0	<0.01
-286	5.8	0.02	1.7	<0.01	4.6	<0.01	4.1	<0.01
-285	5.9	0.02	1.7	<0.01	4.6	<0.01	4.1	<0.01
-284	5.9	0.02	1.7	<0.01	4.6	<0.01	4.1	<0.01
-283	5.9	0.02	1.8	<0.01	4.7	<0.01	4.2	<0.01
-282	6.0	0.02	1.8	<0.01	4.7	<0.01	4.2	<0.01
-281	6.0	0.02	1.8	<0.01	4.7	<0.01	4.2	<0.01
-280	6.1	0.02	1.8	<0.01	4.8	<0.01	4.2	<0.01
-279	6.1	0.02	1.8	<0.01	4.8	<0.01	4.3	<0.01
-278	6.2	0.02	1.8	<0.01	4.8	<0.01	4.3	<0.01
-277	6.2	0.02	1.8	<0.01	4.9	<0.01	4.3	<0.01
-276	6.3	0.02	1.8	<0.01	4.9	<0.01	4.4	<0.01
-275	6.3	0.02	1.9	<0.01	4.9	<0.01	4.4	<0.01
-274	6.4	0.02	1.9	<0.01	5.0	<0.01	4.4	<0.01
-273	6.4	0.02	1.9	<0.01	5.0	<0.01	4.4	<0.01
-272	6.5	0.02	1.9	<0.01	5.0	<0.01	4.5	<0.01
-271	6.5	0.02	1.9	0.01	5.1	<0.01	4.5	<0.01
-270	6.6	0.02	1.9	0.01	5.1	<0.01	4.5	<0.01
-269	6.6	0.02	1.9	0.01	5.1	<0.01	4.6	<0.01
-268	6.7	0.02	2.0	0.01	5.2	<0.01	4.6	<0.01
-267	6.7	0.02	2.0	0.01	5.2	<0.01	4.6	<0.01
-266	6.8	0.02	2.0	0.01	5.3	<0.01	4.7	<0.01
-265	6.8	0.02	2.0	0.01	5.3	<0.01	4.7	<0.01
-264	6.9	0.02	2.0	0.01	5.3	<0.01	4.7	<0.01
-263	6.9	0.02	2.0	0.01	5.4	<0.01	4.8	<0.01
-262	7.0	0.02	2.1	0.01	5.4	<0.01	4.8	<0.01
-261	7.0	0.02	2.1	0.01	5.5	<0.01	4.8	<0.01
-260	7.1	0.02	2.1	0.01	5.5	<0.01	4.9	<0.01
-259	7.2	0.02	2.1	0.01	5.5	<0.01	4.9	<0.01
-258	7.2	0.02	2.1	0.01	5.6	<0.01	4.9	<0.01
-257	7.3	0.02	2.1	0.01	5.6	<0.01	5.0	<0.01
-256	7.3	0.02	2.1	0.01	5.7	<0.01	5.0	<0.01
-255	7.4	0.02	2.2	0.01	5.7	<0.01	5.0	<0.01
-254	7.5	0.02	2.2	0.01	5.7	<0.01	5.1	<0.01
-253	7.5	0.02	2.2	0.01	5.8	<0.01	5.1	<0.01
-252	7.6	0.02	2.2	0.01	5.8	<0.01	5.1	<0.01
-251	7.6	0.02	2.2	0.01	5.9	<0.01	5.2	<0.01
-250	7.7	0.02	2.3	0.01	5.9	<0.01	5.2	<0.01
-249	7.8	0.02	2.3	0.01	6.0	<0.01	5.2	<0.01

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Table D-1 – Continued from previous page

Dist (feet)	Sections 1 & 2 (A) Magnetic Field Maximum (mG)	Sections 1 & 2 (A) Electric Field Resultant (kV/m)	Sections 5 & 6 Magnetic Field Maximum (mG)	Sections 5 & 6 Electric Field Resultant (kV/m)	Section 7 Magnetic Field Maximum (mG)	Section 7 Electric Field Resultant (kV/m)	Section 8 Magnetic Field Maximum (mG)	Section 8 Electric Field Resultant (kV/m)
-248	7.8	0.02	2.3	0.01	6.0	<0.01	5.3	<0.01
-247	7.9	0.02	2.3	0.01	6.1	<0.01	5.3	<0.01
-246	8.0	0.02	2.3	0.01	6.1	<0.01	5.4	<0.01
-245	8.1	0.02	2.3	0.01	6.2	<0.01	5.4	<0.01
-244	8.1	0.02	2.4	0.01	6.2	<0.01	5.4	<0.01
-243	8.2	0.02	2.4	0.01	6.3	<0.01	5.5	<0.01
-242	8.3	0.02	2.4	0.01	6.3	<0.01	5.5	<0.01
-241	8.3	0.02	2.4	0.01	6.4	<0.01	5.6	<0.01
-240	8.4	0.02	2.4	0.01	6.4	<0.01	5.6	<0.01
-239	8.5	0.02	2.5	0.01	6.5	<0.01	5.7	<0.01
-238	8.6	0.02	2.5	0.01	6.5	<0.01	5.7	<0.01
-237	8.6	0.02	2.5	0.01	6.6	<0.01	5.7	<0.01
-236	8.7	0.02	2.5	0.01	6.6	<0.01	5.8	<0.01
-235	8.8	0.02	2.5	0.01	6.7	<0.01	5.8	<0.01
-234	8.9	0.02	2.6	0.01	6.7	<0.01	5.9	<0.01
-233	9.0	0.02	2.6	0.01	6.8	<0.01	5.9	<0.01
-232	9.0	0.02	2.6	0.01	6.8	<0.01	6.0	<0.01
-231	9.1	0.02	2.6	0.01	6.9	<0.01	6.0	<0.01
-230	9.2	0.02	2.7	0.01	7.0	<0.01	6.1	<0.01
-229	9.3	0.02	2.7	0.01	7.0	<0.01	6.1	<0.01
-228	9.4	0.02	2.7	0.02	7.1	<0.01	6.1	<0.01
-227	9.5	0.02	2.7	0.02	7.1	<0.01	6.2	<0.01
-226	9.6	0.02	2.8	0.02	7.2	<0.01	6.2	<0.01
-225	9.6	0.02	2.8	0.02	7.3	<0.01	6.3	<0.01
-224	9.7	0.02	2.8	0.02	7.3	<0.01	6.3	<0.01
-223	9.8	0.02	2.8	0.02	7.4	<0.01	6.4	<0.01
-222	9.9	0.02	2.9	0.02	7.4	<0.01	6.4	<0.01
-221	10.0	0.02	2.9	0.02	7.5	<0.01	6.5	<0.01
-220	10.1	0.02	2.9	0.02	7.6	<0.01	6.5	<0.01
-219	10.2	0.03	2.9	0.02	7.6	<0.01	6.6	<0.01
-218	10.3	0.03	3.0	0.02	7.7	<0.01	6.7	<0.01
-217	10.4	0.03	3.0	0.02	7.8	<0.01	6.7	<0.01
-216	10.5	0.03	3.0	0.02	7.8	<0.01	6.8	<0.01
-215	10.6	0.03	3.0	0.02	7.9	<0.01	6.8	<0.01
-214	10.7	0.03	3.1	0.02	8.0	<0.01	6.9	<0.01
-213	10.8	0.03	3.1	0.02	8.1	<0.01	6.9	<0.01
-212	10.9	0.03	3.1	0.02	8.1	<0.01	7.0	<0.01
-211	11.1	0.03	3.2	0.02	8.2	<0.01	7.0	<0.01
-210	11.2	0.03	3.2	0.02	8.3	<0.01	7.1	<0.01
-209	11.3	0.03	3.2	0.02	8.3	<0.01	7.2	<0.01
-208	11.4	0.03	3.2	0.02	8.4	<0.01	7.2	<0.01
-207	11.5	0.03	3.3	0.02	8.5	<0.01	7.3	<0.01

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Table D-1 – Continued from previous page

Dist (feet)	Sections 1 & 2 (A) Magnetic Field Maximum (mG)	Sections 1 & 2 (A) Electric Field Resultant (kV/m)	Sections 5 & 6 Magnetic Field Maximum (mG)	Sections 5 & 6 Electric Field Resultant (kV/m)	Section 7 Magnetic Field Maximum (mG)	Section 7 Electric Field Resultant (kV/m)	Section 8 Magnetic Field Maximum (mG)	Section 8 Electric Field Resultant (kV/m)
-206	11.6	0.03	3.3	0.02	8.6	<0.01	7.3	<0.01
-205	11.8	0.03	3.3	0.02	8.7	<0.01	7.4	<0.01
-204	11.9	0.03	3.4	0.02	8.7	<0.01	7.5	<0.01
-203	12.0	0.03	3.4	0.02	8.8	<0.01	7.5	<0.01
-202	12.1	0.03	3.4	0.02	8.9	<0.01	7.6	<0.01
-201	12.3	0.03	3.5	0.02	9.0	<0.01	7.7	<0.01
-200	12.4	0.03	3.5	0.02	9.1	<0.01	7.7	<0.01
-199	12.5	0.03	3.5	0.02	9.2	<0.01	7.8	<0.01
-198	12.7	0.03	3.6	0.02	9.2	<0.01	7.9	<0.01
-197	12.8	0.03	3.6	0.02	9.3	<0.01	7.9	<0.01
-196	12.9	0.03	3.6	0.02	9.4	<0.01	8.0	<0.01
-195	13.1	0.03	3.7	0.02	9.5	<0.01	8.1	<0.01
-194	13.2	0.03	3.7	0.02	9.6	<0.01	8.1	<0.01
-193	13.4	0.03	3.8	0.02	9.7	<0.01	8.2	<0.01
-192	13.5	0.03	3.8	0.02	9.8	<0.01	8.3	<0.01
-191	13.7	0.03	3.8	0.02	9.9	<0.01	8.4	<0.01
-190	13.8	0.03	3.9	0.02	10.0	<0.01	8.4	<0.01
-189	14.0	0.03	3.9	0.02	10.1	<0.01	8.5	0.01
-188	14.1	0.03	3.9	0.02	10.2	<0.01	8.6	0.01
-187	14.3	0.03	4.0	0.02	10.3	<0.01	8.7	0.01
-186	14.4	0.03	4.0	0.02	10.4	<0.01	8.8	0.01
-185	14.6	0.03	4.1	0.02	10.5	<0.01	8.8	0.01
-184	14.8	0.03	4.1	0.03	10.6	<0.01	8.9	0.01
-183	15.0	0.03	4.2	0.03	10.7	<0.01	9.0	0.01
-182	15.1	0.03	4.2	0.03	10.8	<0.01	9.1	0.01
-181	15.3	0.03	4.2	0.03	10.9	<0.01	9.2	0.01
-180	15.5	0.03	4.3	0.03	11.0	<0.01	9.3	0.01
-179	15.7	0.03	4.3	0.03	11.1	<0.01	9.3	0.01
-178	15.9	0.03	4.4	0.03	11.3	<0.01	9.4	0.01
-177	16.0	0.03	4.4	0.03	11.4	<0.01	9.5	0.01
-176	16.2	0.03	4.5	0.03	11.5	<0.01	9.6	0.01
-175	16.4	0.03	4.5	0.03	11.6	<0.01	9.7	0.01
-174	16.6	0.03	4.6	0.03	11.7	<0.01	9.8	0.01
-173	16.8	0.03	4.6	0.03	11.9	<0.01	9.9	0.01
-172	17.0	0.03	4.7	0.03	12.0	<0.01	10.0	0.01
-171	17.2	0.03	4.7	0.03	12.1	<0.01	10.1	0.01
-170	17.5	0.03	4.8	0.03	12.2	<0.01	10.2	0.01
-169	17.7	0.03	4.8	0.03	12.4	<0.01	10.3	0.01
-168	17.9	0.03	4.9	0.03	12.5	<0.01	10.4	0.01
-167	18.1	0.03	5.0	0.03	12.7	<0.01	10.5	0.01
-166	18.3	0.03	5.0	0.03	12.8	<0.01	10.6	0.01
-165	18.6	0.03	5.1	0.03	12.9	<0.01	10.7	0.01

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Table D-1 – Continued from previous page

Dist (feet)	Sections 1 & 2 (A) Magnetic Field Maximum (mG)	Sections 1 & 2 (A) Electric Field Resultant (kV/m)	Sections 5 & 6 Magnetic Field Maximum (mG)	Sections 5 & 6 Electric Field Resultant (kV/m)	Section 7 Magnetic Field Maximum (mG)	Section 7 Electric Field Resultant (kV/m)	Section 8 Magnetic Field Maximum (mG)	Section 8 Electric Field Resultant (kV/m)
-164	18.8	0.03	5.1	0.03	13.1	<0.01	10.8	0.01
-163	19.1	0.03	5.2	0.03	13.2	<0.01	10.9	0.01
-162	19.3	0.03	5.2	0.03	13.4	<0.01	11.0	0.01
-161	19.6	0.03	5.3	0.03	13.5	<0.01	11.1	0.01
-160	19.8	0.03	5.4	0.03	13.7	<0.01	11.2	0.01
-159	20.1	0.03	5.4	0.04	13.8	<0.01	11.3	0.01
-158	20.3	0.03	5.5	0.04	14.0	<0.01	11.5	0.01
-157	20.6	0.03	5.6	0.04	14.1	<0.01	11.6	0.01
-156	20.9	0.03	5.6	0.04	14.3	<0.01	11.7	0.01
-155	21.1	0.04	5.7	0.04	14.5	<0.01	11.8	0.01
-154	21.4	0.04	5.8	0.04	14.6	<0.01	11.9	0.01
-153	21.7	0.04	5.8	0.04	14.8	<0.01	12.1	0.01
-152	22.0	0.04	5.9	0.04	15.0	<0.01	12.2	0.01
-151	22.3	0.04	6.0	0.04	15.2	<0.01	12.3	0.01
-150	22.6	0.04	6.1	0.04	15.3	<0.01	12.4	0.01
-149	22.9	0.04	6.1	0.04	15.5	<0.01	12.6	0.01
-148	23.2	0.05	6.2	0.04	15.7	<0.01	12.7	0.01
-147	23.5	0.05	6.3	0.04	15.9	<0.01	12.8	0.01
-146	23.9	0.05	6.4	0.04	16.1	<0.01	13.0	0.01
-145	24.2	0.05	6.5	0.04	16.3	<0.01	13.1	0.01
-144	24.5	0.06	6.5	0.04	16.5	<0.01	13.3	0.01
-143	24.9	0.06	6.6	0.05	16.7	<0.01	13.4	0.01
-142	25.2	0.06	6.7	0.05	16.9	<0.01	13.5	0.01
-141	25.6	0.06	6.8	0.05	17.1	<0.01	13.7	0.01
-140	25.9	0.07	6.9	0.05	17.3	<0.01	13.8	0.01
-139	26.3	0.07	7.0	0.05	17.5	<0.01	14.0	0.01
-138	26.7	0.07	7.1	0.05	17.8	<0.01	14.2	0.01
-137	27.1	0.08	7.2	0.05	18.0	<0.01	14.3	0.01
-136	27.4	0.08	7.3	0.05	18.2	<0.01	14.5	0.02
-135	27.8	0.09	7.3	0.05	18.5	<0.01	14.6	0.02
-134	28.2	0.09	7.4	0.05	18.7	0.01	14.8	0.02
-133	28.6	0.10	7.5	0.05	19.0	0.01	15.0	0.02
-132	29.1	0.10	7.7	0.05	19.2	0.01	15.1	0.02
-131	29.5	0.11	7.8	0.05	19.5	0.01	15.3	0.02
-130	29.9	0.11	7.9	0.06	19.7	0.01	15.5	0.02
-129	30.4	0.12	8.0	0.06	20.0	0.01	15.7	0.02
-128	30.8	0.12	8.1	0.06	20.3	0.01	15.9	0.02
-127	31.2	0.13	8.2	0.06	20.5	0.01	16.0	0.02
-126	31.7	0.13	8.3	0.06	20.8	0.01	16.2	0.02
-125	32.2	0.14	8.4	0.06	21.1	0.02	16.4	0.02
-124	32.6	0.15	8.5	0.06	21.4	0.02	16.6	0.02
-123	33.1	0.15	8.7	0.06	21.7	0.02	16.8	0.02

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Table D-1 – Continued from previous page

Dist (feet)	Sections 1 & 2 (A) Magnetic Field Maximum (mG)	Sections 1 & 2 (A) Electric Field Resultant (kV/m)	Sections 5 & 6 Magnetic Field Maximum (mG)	Sections 5 & 6 Electric Field Resultant (kV/m)	Section 7 Magnetic Field Maximum (mG)	Section 7 Electric Field Resultant (kV/m)	Section 8 Magnetic Field Maximum (mG)	Section 8 Electric Field Resultant (kV/m)
-122	33.6	0.16	8.8	0.06	22.0	0.02	17.0	0.02
-121	34.1	0.17	8.9	0.06	22.3	0.02	17.2	0.02
-120	34.6	0.18	9.1	0.07	22.7	0.02	17.5	0.02
-119	35.1	0.18	9.2	0.07	23.0	0.02	17.7	0.02
-118	35.7	0.19	9.3	0.07	23.3	0.02	17.9	0.02
-117	36.2	0.20	9.5	0.07	23.7	0.02	18.1	0.02
-116	36.7	0.21	9.6	0.07	24.0	0.02	18.4	0.02
-115	37.3	0.22	9.7	0.07	24.4	0.02	18.6	0.02
-114	37.9	0.23	9.9	0.07	24.7	0.02	18.8	0.03
-113	38.4	0.23	10.0	0.07	25.1	0.02	19.1	0.03
-112	39.0	0.24	10.2	0.08	25.5	0.03	19.3	0.03
-111	39.6	0.25	10.3	0.08	25.9	0.03	19.6	0.03
-110	40.2	0.26	10.5	0.08	26.3	0.03	19.8	0.03
-109	40.8	0.27	10.7	0.08	26.7	0.03	20.1	0.03
-108	41.4	0.28	10.8	0.08	27.2	0.03	20.4	0.03
-107	42.1	0.29	11.0	0.08	27.6	0.03	20.7	0.03
-106	42.7	0.30	11.2	0.08	28.1	0.03	21.0	0.03
-105	43.4	0.31	11.3	0.09	28.5	0.03	21.3	0.03
-104	44.1	0.32	11.5	0.09	29.0	0.03	21.6	0.03
-103	44.8	0.33	11.7	0.09	29.5	0.04	21.9	0.03
-102	45.5	0.33	11.9	0.09	30.0	0.04	22.2	0.03
-101	46.2	0.34	12.1	0.09	30.5	0.04	22.5	0.04
-100	47.0	0.35	12.3	0.09	31.0	0.04	22.9	0.04
-99	47.8	0.36	12.5	0.10	31.6	0.04	23.2	0.04
-98	48.6	0.37	12.7	0.10	32.1	0.04	23.6	0.04
-97	49.5	0.38	12.9	0.10	32.7	0.04	23.9	0.04
-96	50.4	0.38	13.1	0.10	33.3	0.04	24.3	0.04
-95	51.4	0.39	13.3	0.10	33.9	0.05	24.7	0.04
-94	52.4	0.40	13.5	0.10	34.6	0.05	25.1	0.04
-93	53.5	0.41	13.7	0.11	35.2	0.05	25.5	0.04
-92	54.7	0.41	14.0	0.11	35.9	0.05	25.9	0.04
-91	56.0	0.42	14.2	0.11	36.6	0.05	26.4	0.04
-90	57.3	0.42	14.4	0.11	37.3	0.05	26.8	0.04
-89	58.8	0.43	14.7	0.11	38.1	0.06	27.3	0.04
-88	60.3	0.44	14.9	0.12	38.9	0.06	27.8	0.05
-87	62.1	0.44	15.2	0.12	39.6	0.06	28.3	0.05
-86	63.9	0.45	15.4	0.12	40.5	0.06	28.8	0.05
-85	65.9	0.45	15.7	0.12	41.3	0.06	29.3	0.05
-84	68.1	0.45	15.9	0.13	42.2	0.07	29.9	0.05
-83	70.4	0.46	16.2	0.13	43.1	0.07	30.5	0.05
-82	73.0	0.46	16.5	0.13	44.0	0.07	31.1	0.05
-81	75.7	0.47	16.8	0.13	45.0	0.07	31.7	0.05

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Table D-1 – Continued from previous page

Dist (feet)	Sections 1 & 2 (A) Magnetic Field Maximum (mG)	Sections 1 & 2 (A) Electric Field Resultant (kV/m)	Sections 5 & 6 Magnetic Field Maximum (mG)	Sections 5 & 6 Electric Field Resultant (kV/m)	Section 7 Magnetic Field Maximum (mG)	Section 7 Electric Field Resultant (kV/m)	Section 8 Magnetic Field Maximum (mG)	Section 8 Electric Field Resultant (kV/m)
-80	78.7	0.47	17.1	0.13	46.0	0.07	32.3	0.05
-79	82.0	0.47	17.4	0.14	47.1	0.08	33.0	0.05
-78	85.5	0.48	17.7	0.14	48.2	0.08	33.7	0.05
-77	89.3	0.48	18.0	0.14	49.3	0.08	34.4	0.05
-76	93.5	0.48	18.3	0.14	50.4	0.09	35.1	0.05
-75	98.0	0.48	18.6	0.15	51.6	0.09	35.9	0.05
-74	102.8	0.48	18.9	0.15	52.9	0.09	36.6	0.05
-73	108.0	0.48	19.2	0.15	54.2	0.10	37.5	0.05
-72	113.6	0.48	19.6	0.15	55.5	0.10	38.3	0.05
-71	119.5	0.48	19.9	0.16	56.9	0.11	39.2	0.05
-70	125.7	0.48	20.3	0.16	58.3	0.11	40.1	0.05
-69	132.0	0.48	20.6	0.16	59.8	0.12	41.0	0.05
-68	138.4	0.48	21.0	0.16	61.3	0.12	42.0	0.05
-67	144.6	0.47	21.3	0.17	62.9	0.13	43.0	0.05
-66	150.3	0.47	21.7	0.17	64.6	0.13	44.0	0.04
-65	155.6	0.46	22.1	0.17	66.3	0.14	45.1	0.04
-64	160.5	0.46	22.5	0.17	68.1	0.15	46.2	0.04
-63	165.5	0.45	22.9	0.18	69.9	0.16	47.3	0.04
-62	170.9	0.44	23.3	0.18	71.8	0.16	48.5	0.04
-61	176.7	0.43	23.7	0.18	73.7	0.17	49.7	0.04
-60	181.7	0.42	24.1	0.18	75.8	0.18	51.0	0.05
-59	184.6	0.41	24.5	0.18	77.9	0.19	52.3	0.05
-58	184.2	0.40	24.9	0.19	80.1	0.20	53.6	0.05
-57	180.4	0.38	25.3	0.19	82.3	0.22	55.0	0.05
-56	173.5	0.37	25.8	0.19	84.7	0.23	56.4	0.06
-55	164.4	0.36	26.2	0.19	87.1	0.24	57.9	0.06
-54	154.2	0.34	26.6	0.20	89.6	0.25	59.4	0.06
-53	143.4	0.33	27.1	0.20	92.2	0.27	60.9	0.07
-52	132.7	0.31	27.5	0.20	94.8	0.28	62.5	0.08
-51	122.4	0.29	28.0	0.20	97.6	0.30	64.2	0.08
-50	112.8	0.28	28.4	0.21	100.5	0.31	65.9	0.09
-49	103.8	0.26	28.9	0.21	103.4	0.33	67.6	0.10
-48	95.6	0.24	29.3	0.21	106.5	0.35	69.4	0.11
-47	88.2	0.23	29.8	0.21	109.6	0.37	71.3	0.12
-46	81.6	0.21	30.2	0.21	112.9	0.38	73.2	0.13
-45	75.7	0.19	30.7	0.21	116.3	0.40	75.1	0.14
-44	70.5	0.18	31.2	0.22	119.8	0.42	77.2	0.15
-43	66.0	0.16	31.6	0.22	123.4	0.45	79.3	0.16
-42	62.2	0.15	32.1	0.22	127.1	0.47	81.4	0.17
-41	59.1	0.14	32.6	0.22	130.9	0.49	83.6	0.19
-40	56.6	0.12	33.0	0.22	134.9	0.51	85.9	0.20
-39	54.6	0.12	33.5	0.23	138.9	0.54	88.2	0.21

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Table D-1 – Continued from previous page

Dist (feet)	Sections 1 & 2 (A) Magnetic Field Maximum (mG)	Sections 1 & 2 (A) Electric Field Resultant (kV/m)	Sections 5 & 6 Magnetic Field Maximum (mG)	Sections 5 & 6 Electric Field Resultant (kV/m)	Section 7 Magnetic Field Maximum (mG)	Section 7 Electric Field Resultant (kV/m)	Section 8 Magnetic Field Maximum (mG)	Section 8 Electric Field Resultant (kV/m)
-38	53.2	0.11	33.9	0.23	143.1	0.56	90.6	0.23
-37	52.2	0.11	34.4	0.23	147.4	0.58	93.1	0.24
-36	51.6	0.11	34.8	0.23	151.9	0.61	95.7	0.26
-35	51.4	0.12	35.3	0.23	156.5	0.63	98.3	0.28
-34	51.4	0.13	35.7	0.24	161.2	0.66	101.1	0.29
-33	51.6	0.14	36.1	0.24	166.0	0.68	103.9	0.31
-32	52.1	0.15	36.6	0.24	170.9	0.70	106.8	0.33
-31	52.8	0.16	37.0	0.24	176.0	0.73	109.8	0.35
-30	53.7	0.18	37.4	0.25	181.2	0.75	112.9	0.37
-29	54.8	0.19	37.8	0.25	186.4	0.77	116.0	0.39
-28	56.0	0.21	38.1	0.25	191.8	0.79	119.3	0.41
-27	57.4	0.22	38.5	0.25	197.3	0.81	122.7	0.43
-26	59.0	0.24	38.8	0.26	202.8	0.83	126.2	0.46
-25	60.7	0.25	39.2	0.26	208.5	0.85	129.8	0.48
-24	62.6	0.27	39.5	0.26	214.2	0.87	133.5	0.50
-23	64.6	0.28	39.8	0.27	219.9	0.88	137.4	0.53
-22	66.7	0.30	40.1	0.27	225.7	0.89	141.3	0.55
-21	69.0	0.31	40.3	0.27	231.4	0.90	145.4	0.58
-20	71.4	0.33	40.6	0.28	237.2	0.90	149.6	0.60
-19	73.9	0.34	40.8	0.28	242.9	0.90	153.9	0.63
-18	76.5	0.36	41.0	0.28	248.6	0.90	158.3	0.65
-17	79.3	0.37	41.2	0.29	254.2	0.90	162.9	0.68
-16	82.1	0.38	41.4	0.29	259.7	0.89	167.6	0.70
-15	85.0	0.39	41.5	0.30	265.1	0.87	172.4	0.72
-14	88.0	0.40	41.6	0.30	270.4	0.86	177.3	0.75
-13	91.1	0.41	41.7	0.30	275.5	0.84	182.4	0.77
-12	94.2	0.42	41.8	0.31	280.3	0.81	187.5	0.80
-11	97.5	0.43	41.8	0.31	285.0	0.78	192.8	0.82
-10	100.7	0.44	41.9	0.32	289.4	0.75	198.2	0.84
-9	104.1	0.44	41.9	0.32	293.6	0.71	203.6	0.86
-8	107.5	0.45	41.8	0.32	297.4	0.67	209.2	0.88
-7	110.9	0.45	41.8	0.32	301.0	0.63	214.8	0.89
-6	114.4	0.45	41.7	0.33	304.2	0.59	220.4	0.91
-5	117.9	0.45	41.6	0.33	307.2	0.54	226.1	0.92
-4	121.4	0.45	41.5	0.33	309.7	0.49	231.8	0.93
-3	124.9	0.45	41.3	0.33	311.9	0.45	237.6	0.93
-2	128.5	0.44	41.2	0.34	313.7	0.40	243.3	0.93
-1	132.1	0.44	41.0	0.34	315.2	0.36	249.0	0.93
0	135.6	0.43	40.8	0.34	316.2	0.33	254.6	0.93
1	139.1	0.43	40.5	0.34	316.9	0.31	260.1	0.92
2	142.6	0.42	40.3	0.34	317.2	0.30	265.5	0.91
3	146.1	0.42	40.0	0.34	317.1	0.31	270.8	0.89

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Table D-1 – Continued from previous page

Dist (feet)	Sections 1 & 2 (A) Magnetic Field Maximum (mG)	Sections 1 & 2 (A) Electric Field Resultant (kV/m)	Sections 5 & 6 Magnetic Field Maximum (mG)	Sections 5 & 6 Electric Field Resultant (kV/m)	Section 7 Magnetic Field Maximum (mG)	Section 7 Electric Field Resultant (kV/m)	Section 8 Magnetic Field Maximum (mG)	Section 8 Electric Field Resultant (kV/m)
4	149.6	0.42	39.7	0.34	316.5	0.33	276.0	0.87
5	153.0	0.42	39.4	0.34	315.6	0.37	280.9	0.85
6	156.4	0.42	39.1	0.34	314.4	0.41	285.7	0.82
7	159.7	0.43	38.7	0.34	312.7	0.46	290.2	0.79
8	162.9	0.44	38.4	0.33	310.6	0.51	294.4	0.76
9	166.1	0.45	38.0	0.33	308.2	0.56	298.4	0.72
10	169.3	0.47	37.6	0.33	305.4	0.61	302.1	0.67
11	172.3	0.49	37.2	0.33	302.3	0.66	305.5	0.63
12	175.3	0.52	36.8	0.32	298.8	0.71	308.6	0.58
13	178.3	0.56	36.4	0.32	295.0	0.76	311.3	0.53
14	181.1	0.59	35.9	0.32	291.0	0.80	313.7	0.48
15	183.9	0.63	35.5	0.31	286.6	0.84	315.7	0.44
16	186.6	0.68	35.0	0.31	282.0	0.88	317.3	0.39
17	189.2	0.72	34.6	0.31	277.1	0.91	318.5	0.35
18	191.7	0.77	34.1	0.30	272.0	0.94	319.4	0.32
19	194.2	0.82	33.7	0.30	266.8	0.96	319.8	0.30
20	196.5	0.87	33.2	0.29	261.4	0.99	319.9	0.30
21	198.8	0.92	32.7	0.29	255.8	1.00	319.6	0.31
22	201.0	0.97	32.2	0.28	250.1	1.02	318.9	0.34
23	203.0	1.03	31.8	0.28	244.4	1.03	317.7	0.38
24	205.0	1.08	31.3	0.27	238.6	1.03	316.3	0.42
25	206.8	1.13	30.8	0.27	232.7	1.04	314.4	0.47
26	208.5	1.18	30.3	0.26	226.8	1.03	312.1	0.52
27	210.1	1.23	29.9	0.26	221.0	1.03	309.5	0.58
28	211.6	1.28	29.4	0.25	215.1	1.03	306.5	0.63
29	213.0	1.33	28.9	0.25	209.3	1.02	303.2	0.68
30	214.1	1.37	28.5	0.24	203.6	1.01	299.6	0.73
31	215.2	1.42	28.0	0.24	197.9	0.99	295.6	0.77
32	216.1	1.46	27.5	0.23	192.3	0.98	291.4	0.81
33	216.9	1.50	27.1	0.23	186.9	0.96	286.8	0.85
34	217.5	1.53	26.6	0.22	181.5	0.94	282.1	0.89
35	217.9	1.56	26.2	0.22	176.2	0.93	277.1	0.92
36	218.3	1.59	25.7	0.21	171.1	0.91	271.9	0.95
37	218.4	1.62	25.3	0.21	166.0	0.89	266.5	0.97
38	218.5	1.64	24.9	0.20	161.1	0.87	261.0	0.99
39	218.3	1.66	24.4	0.20	156.4	0.85	255.3	1.01
40	218.1	1.68	24.0	0.19	151.7	0.82	249.6	1.02
41	217.7	1.69	23.6	0.19	147.2	0.80	243.7	1.03
42	217.2	1.70	23.2	0.18	142.9	0.78	237.9	1.03
43	216.6	1.71	22.8	0.18	138.7	0.76	232.0	1.03
44	215.9	1.71	22.4	0.18	134.6	0.74	226.0	1.03
45	215.0	1.71	22.0	0.17	130.6	0.72	220.2	1.02

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Table D-1 – Continued from previous page

Dist (feet)	Sections 1 & 2 (A) Magnetic Field Maximum (mG)	Sections 1 & 2 (A) Electric Field Resultant (kV/m)	Sections 5 & 6 Magnetic Field Maximum (mG)	Sections 5 & 6 Electric Field Resultant (kV/m)	Section 7 Magnetic Field Maximum (mG)	Section 7 Electric Field Resultant (kV/m)	Section 8 Magnetic Field Maximum (mG)	Section 8 Electric Field Resultant (kV/m)
46	214.1	1.71	21.6	0.17	126.8	0.70	214.3	1.02
47	213.0	1.70	21.2	0.16	123.1	0.68	208.5	1.01
48	211.8	1.69	20.9	0.16	119.5	0.66	202.7	1.00
49	210.4	1.67	20.5	0.16	116.0	0.64	197.1	0.98
50	209.0	1.66	20.1	0.15	112.7	0.62	191.5	0.97
51	207.4	1.64	19.8	0.15	109.4	0.60	186.0	0.95
52	205.7	1.61	19.4	0.14	106.3	0.58	180.6	0.93
53	203.9	1.59	19.1	0.14	103.3	0.56	175.4	0.91
54	201.9	1.56	18.8	0.14	100.4	0.55	170.3	0.89
55	199.8	1.53	18.4	0.13	97.6	0.53	165.3	0.87
56	197.5	1.49	18.1	0.13	94.9	0.51	160.4	0.85
57	195.1	1.46	17.8	0.13	92.3	0.50	155.7	0.83
58	192.6	1.42	17.5	0.13	89.8	0.48	151.1	0.81
59	190.0	1.38	17.2	0.12	87.4	0.47	146.6	0.79
60	187.2	1.34	16.9	0.12	85.0	0.45	142.3	0.77
61	184.3	1.29	16.6	0.12	82.8	0.44	138.1	0.75
62	181.3	1.25	16.3	0.11	80.6	0.43	134.0	0.72
63	178.2	1.21	16.0	0.11	78.5	0.41	130.1	0.70
64	175.1	1.16	15.8	0.11	76.4	0.40	126.3	0.68
65	171.8	1.12	15.5	0.11	74.5	0.39	122.6	0.66
66	168.5	1.07	15.2	0.10	72.6	0.38	119.0	0.64
67	165.1	1.03	15.0	0.10	70.7	0.37	115.6	0.62
68	161.7	0.98	14.7	0.10	69.0	0.35	112.3	0.60
69	158.3	0.94	14.5	0.10	67.3	0.34	109.1	0.59
70	154.9	0.90	14.2	0.10	65.6	0.33	106.0	0.57
71	151.4	0.86	14.0	0.09	64.0	0.32	103.0	0.55
72	148.0	0.81	13.8	0.09	62.5	0.31	100.1	0.53
73	144.5	0.78	13.5	0.09	61.0	0.31	97.4	0.52
74	141.1	0.74	13.3	0.09	59.5	0.30	94.7	0.50
75	137.8	0.70	13.1	0.09	58.1	0.29	92.1	0.49
76	134.4	0.66	12.9	0.08	56.8	0.28	89.6	0.47
77	131.2	0.63	12.7	0.08	55.5	0.27	87.2	0.46
78	127.9	0.60	12.5	0.08	54.2	0.27	84.9	0.44
79	124.7	0.57	12.3	0.08	53.0	0.26	82.6	0.43
80	121.6	0.54	12.1	0.08	51.8	0.25	80.5	0.41
81	118.5	0.51	11.9	0.08	50.7	0.24	78.4	0.40
82	115.5	0.48	11.7	0.07	49.5	0.24	76.3	0.39
83	112.6	0.46	11.5	0.07	48.5	0.23	74.4	0.38
84	109.8	0.43	11.3	0.07	47.4	0.23	72.5	0.37
85	107.0	0.41	11.2	0.07	46.4	0.22	70.7	0.36
86	104.2	0.39	11.0	0.07	45.4	0.21	68.9	0.35
87	101.6	0.37	10.8	0.07	44.5	0.21	67.2	0.33

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Table D-1 – Continued from previous page

Dist (feet)	Sections 1 & 2 (A) Magnetic Field Maximum (mG)	Sections 1 & 2 (A) Electric Field Resultant (kV/m)	Sections 5 & 6 Magnetic Field Maximum (mG)	Sections 5 & 6 Electric Field Resultant (kV/m)	Section 7 Magnetic Field Maximum (mG)	Section 7 Electric Field Resultant (kV/m)	Section 8 Magnetic Field Maximum (mG)	Section 8 Electric Field Resultant (kV/m)
88	99.0	0.35	10.6	0.07	43.5	0.20	65.6	0.33
89	96.5	0.33	10.5	0.06	42.6	0.20	64.0	0.32
90	94.0	0.31	10.3	0.06	41.8	0.19	62.5	0.31
91	91.7	0.29	10.2	0.06	40.9	0.19	61.0	0.30
92	89.4	0.28	10.0	0.06	40.1	0.18	59.6	0.29
93	87.1	0.26	9.9	0.06	39.3	0.18	58.2	0.28
94	84.9	0.25	9.7	0.06	38.5	0.17	56.8	0.27
95	82.8	0.24	9.6	0.06	37.8	0.17	55.5	0.27
96	80.8	0.22	9.4	0.06	37.0	0.17	54.3	0.26
97	78.8	0.21	9.3	0.06	36.3	0.16	53.0	0.25
98	76.9	0.20	9.2	0.05	35.6	0.16	51.9	0.24
99	75.0	0.19	9.0	0.05	35.0	0.16	50.7	0.24
100	73.2	0.18	8.9	0.05	34.3	0.15	49.6	0.23
101	71.4	0.17	8.8	0.05	33.7	0.15	48.5	0.22
102	69.7	0.17	8.6	0.05	33.1	0.14	47.5	0.22
103	68.1	0.16	8.5	0.05	32.4	0.14	46.5	0.21
104	66.5	0.15	8.4	0.05	31.9	0.14	45.5	0.21
105	64.9	0.14	8.3	0.05	31.3	0.14	44.5	0.20
106	63.4	0.14	8.2	0.05	30.7	0.13	43.6	0.20
107	62.0	0.13	8.0	0.05	30.2	0.13	42.7	0.19
108	60.6	0.12	7.9	0.05	29.7	0.13	41.9	0.19
109	59.2	0.12	7.8	0.04	29.1	0.12	41.0	0.18
110	57.9	0.11	7.7	0.04	28.6	0.12	40.2	0.18
111	56.6	0.11	7.6	0.04	28.1	0.12	39.4	0.17
112	55.3	0.10	7.5	0.04	27.7	0.12	38.6	0.17
113	54.1	0.10	7.4	0.04	27.2	0.11	37.9	0.16
114	52.9	0.10	7.3	0.04	26.8	0.11	37.1	0.16
115	51.8	0.09	7.2	0.04	26.3	0.11	36.4	0.16
116	50.7	0.09	7.1	0.04	25.9	0.11	35.7	0.15
117	49.6	0.08	7.0	0.04	25.5	0.11	35.1	0.15
118	48.6	0.08	6.9	0.04	25.0	0.10	34.4	0.15
119	47.5	0.08	6.8	0.04	24.6	0.10	33.8	0.14
120	46.6	0.08	6.7	0.04	24.2	0.10	33.1	0.14
121	45.6	0.07	6.7	0.04	23.9	0.10	32.5	0.14
122	44.7	0.07	6.6	0.04	23.5	0.10	32.0	0.13
123	43.8	0.07	6.5	0.04	23.1	0.09	31.4	0.13
124	42.9	0.07	6.4	0.04	22.8	0.09	30.8	0.13
125	42.1	0.06	6.3	0.03	22.4	0.09	30.3	0.12
126	41.2	0.06	6.2	0.03	22.1	0.09	29.7	0.12
127	40.4	0.06	6.2	0.03	21.7	0.09	29.2	0.12
128	39.6	0.06	6.1	0.03	21.4	0.09	28.7	0.12
129	38.9	0.06	6.0	0.03	21.1	0.08	28.2	0.11

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Table D-1 – Continued from previous page

Dist (feet)	Sections 1 & 2 (A) Magnetic Field Maximum (mG)	Sections 1 & 2 (A) Electric Field Resultant (kV/m)	Sections 5 & 6 Magnetic Field Maximum (mG)	Sections 5 & 6 Electric Field Resultant (kV/m)	Section 7 Magnetic Field Maximum (mG)	Section 7 Electric Field Resultant (kV/m)	Section 8 Magnetic Field Maximum (mG)	Section 8 Electric Field Resultant (kV/m)
130	38.1	0.05	5.9	0.03	20.8	0.08	27.8	0.11
131	37.4	0.05	5.9	0.03	20.5	0.08	27.3	0.11
132	36.7	0.05	5.8	0.03	20.2	0.08	26.8	0.11
133	36.0	0.05	5.7	0.03	19.9	0.08	26.4	0.11
134	35.4	0.05	5.7	0.03	19.6	0.08	26.0	0.10
135	34.7	0.05	5.6	0.03	19.3	0.08	25.5	0.10
136	34.1	0.05	5.5	0.03	19.0	0.07	25.1	0.10
137	33.5	0.04	5.5	0.03	18.8	0.07	24.7	0.10
138	32.9	0.04	5.4	0.03	18.5	0.07	24.3	0.10
139	32.3	0.04	5.3	0.03	18.3	0.07	23.9	0.09
140	31.7	0.04	5.3	0.03	18.0	0.07	23.6	0.09
141	31.2	0.04	5.2	0.03	17.8	0.07	23.2	0.09
142	30.7	0.04	5.1	0.03	17.5	0.07	22.8	0.09
143	30.1	0.04	5.1	0.03	17.3	0.07	22.5	0.09
144	29.6	0.04	5.0	0.03	17.0	0.06	22.2	0.08
145	29.1	0.04	5.0	0.03	16.8	0.06	21.8	0.08
146	28.6	0.04	4.9	0.03	16.6	0.06	21.5	0.08
147	28.2	0.04	4.9	0.03	16.4	0.06	21.2	0.08
148	27.7	0.03	4.8	0.03	16.2	0.06	20.9	0.08
149	27.2	0.03	4.7	0.02	15.9	0.06	20.5	0.08
150	26.8	0.03	4.7	0.02	15.7	0.06	20.2	0.08
151	26.4	0.03	4.6	0.02	15.5	0.06	20.0	0.07
152	26.0	0.03	4.6	0.02	15.3	0.06	19.7	0.07
153	25.5	0.03	4.5	0.02	15.1	0.06	19.4	0.07
154	25.1	0.03	4.5	0.02	15.0	0.06	19.1	0.07
155	24.8	0.03	4.4	0.02	14.8	0.05	18.8	0.07
156	24.4	0.03	4.4	0.02	14.6	0.05	18.6	0.07
157	24.0	0.03	4.3	0.02	14.4	0.05	18.3	0.07
158	23.6	0.03	4.3	0.02	14.2	0.05	18.1	0.07
159	23.3	0.03	4.2	0.02	14.1	0.05	17.8	0.06
160	22.9	0.03	4.2	0.02	13.9	0.05	17.6	0.06
161	22.6	0.03	4.2	0.02	13.7	0.05	17.3	0.06
162	22.3	0.03	4.1	0.02	13.5	0.05	17.1	0.06
163	21.9	0.03	4.1	0.02	13.4	0.05	16.9	0.06
164	21.6	0.03	4.0	0.02	13.2	0.05	16.7	0.06
165	21.3	0.03	4.0	0.02	13.1	0.05	16.4	0.06
166	21.0	0.03	3.9	0.02	12.9	0.05	16.2	0.06
167	20.7	0.03	3.9	0.02	12.8	0.05	16.0	0.06
168	20.4	0.03	3.9	0.02	12.6	0.05	15.8	0.06
169	20.1	0.02	3.8	0.02	12.5	0.04	15.6	0.06
170	19.8	0.02	3.8	0.02	12.3	0.04	15.4	0.05
171	19.6	0.02	3.7	0.02	12.2	0.04	15.2	0.05

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Table D-1 – Continued from previous page

Dist (feet)	Sections 1 & 2 (A) Magnetic Field Maximum (mG)	Sections 1 & 2 (A) Electric Field Resultant (kV/m)	Sections 5 & 6 Magnetic Field Maximum (mG)	Sections 5 & 6 Electric Field Resultant (kV/m)	Section 7 Magnetic Field Maximum (mG)	Section 7 Electric Field Resultant (kV/m)	Section 8 Magnetic Field Maximum (mG)	Section 8 Electric Field Resultant (kV/m)
172	19.3	0.02	3.7	0.02	12.1	0.04	15.0	0.05
173	19.0	0.02	3.7	0.02	11.9	0.04	14.8	0.05
174	18.8	0.02	3.6	0.02	11.8	0.04	14.6	0.05
175	18.5	0.02	3.6	0.02	11.7	0.04	14.5	0.05
176	18.3	0.02	3.6	0.02	11.5	0.04	14.3	0.05
177	18.0	0.02	3.5	0.02	11.4	0.04	14.1	0.05
178	17.8	0.02	3.5	0.02	11.3	0.04	13.9	0.05
179	17.6	0.02	3.5	0.02	11.1	0.04	13.8	0.05
180	17.3	0.02	3.4	0.02	11.0	0.04	13.6	0.05
181	17.1	0.02	3.4	0.02	10.9	0.04	13.4	0.05
182	16.9	0.02	3.4	0.02	10.8	0.04	13.3	0.05
183	16.7	0.02	3.3	0.02	10.7	0.04	13.1	0.04
184	16.5	0.02	3.3	0.02	10.6	0.04	13.0	0.04
185	16.2	0.02	3.3	0.02	10.4	0.04	12.8	0.04
186	16.0	0.02	3.2	0.02	10.3	0.04	12.7	0.04
187	15.8	0.02	3.2	0.02	10.2	0.04	12.5	0.04
188	15.6	0.02	3.2	0.02	10.1	0.03	12.4	0.04
189	15.5	0.02	3.1	0.02	10.0	0.03	12.2	0.04
190	15.3	0.02	3.1	0.02	9.9	0.03	12.1	0.04
191	15.1	0.02	3.1	0.02	9.8	0.03	12.0	0.04
192	14.9	0.02	3.1	0.02	9.7	0.03	11.8	0.04
193	14.7	0.02	3.0	0.01	9.6	0.03	11.7	0.04
194	14.5	0.02	3.0	0.01	9.5	0.03	11.6	0.04
195	14.4	0.02	3.0	0.01	9.4	0.03	11.4	0.04
196	14.2	0.02	2.9	0.01	9.3	0.03	11.3	0.04
197	14.0	0.02	2.9	0.01	9.2	0.03	11.2	0.04
198	13.9	0.02	2.9	0.01	9.1	0.03	11.1	0.04
199	13.7	0.02	2.9	0.01	9.1	0.03	10.9	0.04
200	13.6	0.02	2.8	0.01	9.0	0.03	10.8	0.04
201	13.4	0.02	2.8	0.01	8.9	0.03	10.7	0.04
202	13.3	0.02	2.8	0.01	8.8	0.03	10.6	0.03
203	13.1	0.02	2.8	0.01	8.7	0.03	10.5	0.03
204	13.0	0.02	2.7	0.01	8.6	0.03	10.4	0.03
205	12.8	0.02	2.7	0.01	8.5	0.03	10.3	0.03
206	12.7	0.02	2.7	0.01	8.5	0.03	10.2	0.03
207	12.5	0.02	2.7	0.01	8.4	0.03	10.1	0.03
208	12.4	0.02	2.7	0.01	8.3	0.03	9.9	0.03
209	12.3	0.02	2.6	0.01	8.2	0.03	9.8	0.03
210	12.1	0.02	2.6	0.01	8.1	0.03	9.7	0.03
211	12.0	0.02	2.6	0.01	8.1	0.03	9.6	0.03
212	11.9	0.02	2.6	0.01	8.0	0.03	9.5	0.03
213	11.7	0.02	2.5	0.01	7.9	0.03	9.5	0.03

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Table D-1 – Continued from previous page

Dist (feet)	Sections 1 & 2 (A) Magnetic Field Maximum (mG)	Sections 1 & 2 (A) Electric Field Resultant (kV/m)	Sections 5 & 6 Magnetic Field Maximum (mG)	Sections 5 & 6 Electric Field Resultant (kV/m)	Section 7 Magnetic Field Maximum (mG)	Section 7 Electric Field Resultant (kV/m)	Section 8 Magnetic Field Maximum (mG)	Section 8 Electric Field Resultant (kV/m)
214	11.6	0.02	2.5	0.01	7.9	0.03	9.4	0.03
215	11.5	0.02	2.5	0.01	7.8	0.03	9.3	0.03
216	11.4	0.02	2.5	0.01	7.7	0.03	9.2	0.03
217	11.3	0.02	2.5	0.01	7.6	0.03	9.1	0.03
218	11.1	0.02	2.4	0.01	7.6	0.02	9.0	0.03
219	11.0	0.02	2.4	0.01	7.5	0.02	8.9	0.03
220	10.9	0.02	2.4	0.01	7.4	0.02	8.8	0.03
221	10.8	0.01	2.4	0.01	7.4	0.02	8.7	0.03
222	10.7	0.01	2.4	0.01	7.3	0.02	8.7	0.03
223	10.6	0.01	2.3	0.01	7.2	0.02	8.6	0.03
224	10.5	0.01	2.3	0.01	7.2	0.02	8.5	0.03
225	10.4	0.01	2.3	0.01	7.1	0.02	8.4	0.03
226	10.3	0.01	2.3	0.01	7.1	0.02	8.3	0.03
227	10.2	0.01	2.3	0.01	7.0	0.02	8.2	0.03
228	10.1	0.01	2.2	0.01	6.9	0.02	8.2	0.03
229	10.0	0.01	2.2	0.01	6.9	0.02	8.1	0.03
230	9.9	0.01	2.2	0.01	6.8	0.02	8.0	0.02
231	9.8	0.01	2.2	0.01	6.8	0.02	7.9	0.02
232	9.7	0.01	2.2	0.01	6.7	0.02	7.9	0.02
233	9.6	0.01	2.2	0.01	6.6	0.02	7.8	0.02
234	9.5	0.01	2.1	0.01	6.6	0.02	7.7	0.02
235	9.4	0.01	2.1	0.01	6.5	0.02	7.7	0.02
236	9.3	0.01	2.1	0.01	6.5	0.02	7.6	0.02
237	9.2	0.01	2.1	<0.01	6.4	0.02	7.5	0.02
238	9.1	0.01	2.1	<0.01	6.4	0.02	7.5	0.02
239	9.1	0.01	2.1	<0.01	6.3	0.02	7.4	0.02
240	9.0	0.01	2.0	<0.01	6.3	0.02	7.3	0.02
241	8.9	0.01	2.0	<0.01	6.2	0.02	7.3	0.02
242	8.8	0.01	2.0	<0.01	6.2	0.02	7.2	0.02
243	8.7	0.01	2.0	<0.01	6.1	0.02	7.1	0.02
244	8.7	0.01	2.0	<0.01	6.1	0.02	7.1	0.02
245	8.6	0.01	2.0	<0.01	6.0	0.02	7.0	0.02
246	8.5	0.01	2.0	<0.01	6.0	0.02	6.9	0.02
247	8.4	0.01	1.9	<0.01	5.9	0.02	6.9	0.02
248	8.3	0.01	1.9	<0.01	5.9	0.02	6.8	0.02
249	8.3	0.01	1.9	<0.01	5.8	0.02	6.8	0.02
250	8.2	0.01	1.9	<0.01	5.8	0.02	6.7	0.02
251	8.1	0.01	1.9	<0.01	5.7	0.02	6.7	0.02
252	8.1	0.01	1.9	<0.01	5.7	0.02	6.6	0.02
253	8.0	0.01	1.9	<0.01	5.6	0.02	6.5	0.02
254	7.9	0.01	1.8	<0.01	5.6	0.02	6.5	0.02
255	7.8	0.01	1.8	<0.01	5.6	0.02	6.4	0.02

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Table D-1 – Continued from previous page

Dist (feet)	Sections 1 & 2 (A) Magnetic Field Maximum (mG)	Sections 1 & 2 (A) Electric Field Resultant (kV/m)	Sections 5 & 6 Magnetic Field Maximum (mG)	Sections 5 & 6 Electric Field Resultant (kV/m)	Section 7 Magnetic Field Maximum (mG)	Section 7 Electric Field Resultant (kV/m)	Section 8 Magnetic Field Maximum (mG)	Section 8 Electric Field Resultant (kV/m)
256	7.8	0.01	1.8	<0.01	5.5	0.02	6.4	0.02
257	7.7	0.01	1.8	<0.01	5.5	0.02	6.3	0.02
258	7.6	0.01	1.8	<0.01	5.4	0.02	6.3	0.02
259	7.6	0.01	1.8	<0.01	5.4	0.02	6.2	0.02
260	7.5	0.01	1.8	<0.01	5.4	0.02	6.2	0.02
261	7.5	0.01	1.8	<0.01	5.3	0.02	6.1	0.02
262	7.4	0.01	1.7	<0.01	5.3	0.02	6.1	0.02
263	7.3	0.01	1.7	<0.01	5.2	0.02	6.0	0.02
264	7.3	0.01	1.7	<0.01	5.2	0.02	6.0	0.02
265	7.2	0.01	1.7	<0.01	5.2	0.02	5.9	0.02
266	7.2	0.01	1.7	<0.01	5.1	0.02	5.9	0.02
267	7.1	0.01	1.7	<0.01	5.1	0.02	5.8	0.02
268	7.0	0.01	1.7	<0.01	5.0	0.02	5.8	0.02
269	7.0	0.01	1.7	<0.01	5.0	0.02	5.7	0.02
270	6.9	0.01	1.6	<0.01	5.0	0.02	5.7	0.02
271	6.9	0.01	1.6	<0.01	4.9	0.02	5.7	0.02
272	6.8	0.01	1.6	<0.01	4.9	0.01	5.6	0.02
273	6.8	0.01	1.6	<0.01	4.9	0.01	5.6	0.02
274	6.7	0.01	1.6	<0.01	4.8	0.01	5.5	0.02
275	6.6	0.01	1.6	<0.01	4.8	0.01	5.5	0.02
276	6.6	0.01	1.6	<0.01	4.8	0.01	5.4	0.02
277	6.5	0.01	1.6	<0.01	4.7	0.01	5.4	0.02
278	6.5	0.01	1.6	<0.01	4.7	0.01	5.4	0.02
279	6.4	0.01	1.5	<0.01	4.7	0.01	5.3	0.02
280	6.4	<0.01	1.5	<0.01	4.6	0.01	5.3	0.02
281	6.3	<0.01	1.5	<0.01	4.6	0.01	5.2	0.02
282	6.3	<0.01	1.5	<0.01	4.6	0.01	5.2	0.02
283	6.2	<0.01	1.5	<0.01	4.5	0.01	5.2	0.01
284	6.2	<0.01	1.5	<0.01	4.5	0.01	5.1	0.01
285	6.2	<0.01	1.5	<0.01	4.5	0.01	5.1	0.01
286	6.1	<0.01	1.5	<0.01	4.4	0.01	5.1	0.01
287	6.1	<0.01	1.5	<0.01	4.4	0.01	5.0	0.01
288	6.0	<0.01	1.5	<0.01	4.4	0.01	5.0	0.01
289	6.0	<0.01	1.4	<0.01	4.3	0.01	4.9	0.01
290	5.9	<0.01	1.4	<0.01	4.3	0.01	4.9	0.01
291	5.9	<0.01	1.4	<0.01	4.3	0.01	4.9	0.01
292	5.8	<0.01	1.4	<0.01	4.3	0.01	4.8	0.01
293	5.8	<0.01	1.4	<0.01	4.2	0.01	4.8	0.01
294	5.8	<0.01	1.4	<0.01	4.2	0.01	4.8	0.01
295	5.7	<0.01	1.4	<0.01	4.2	0.01	4.7	0.01
296	5.7	<0.01	1.4	<0.01	4.1	0.01	4.7	0.01
297	5.6	<0.01	1.4	<0.01	4.1	0.01	4.7	0.01

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Table D-1 – Continued from previous page

Dist (feet)	Sections 1 & 2 (A) Magnetic Field Maximum (mG)	Sections 1 & 2 (A) Electric Field Resultant (kV/m)	Sections 5 & 6 Magnetic Field Maximum (mG)	Sections 5 & 6 Electric Field Resultant (kV/m)	Section 7 Magnetic Field Maximum (mG)	Section 7 Electric Field Resultant (kV/m)	Section 8 Magnetic Field Maximum (mG)	Section 8 Electric Field Resultant (kV/m)
298	5.6	<0.01	1.4	<0.01	4.1	0.01	4.6	0.01
299	5.5	<0.01	1.4	<0.01	4.1	0.01	4.6	0.01
300	5.5	<0.01	1.3	<0.01	4.0	0.01	4.6	0.01
301	5.5	<0.01	1.3	<0.01	4.0	0.01	4.5	0.01
302	5.4	<0.01	1.3	<0.01	4.0	0.01	4.5	0.01
303	5.4	<0.01	1.3	<0.01	4.0	0.01	4.5	0.01
304	5.4	<0.01	1.3	<0.01	3.9	0.01	4.4	0.01
305	5.3	<0.01	1.3	<0.01	3.9	0.01	4.4	0.01
306	5.3	<0.01	1.3	<0.01	3.9	0.01	4.4	0.01
307	5.2	<0.01	1.3	<0.01	3.9	0.01	4.4	0.01
308	5.2	<0.01	1.3	<0.01	3.8	0.01	4.3	0.01
309	5.2	<0.01	1.3	<0.01	3.8	0.01	4.3	0.01
310	5.1	<0.01	1.3	<0.01	3.8	0.01	4.3	0.01
311	5.1	<0.01	1.3	<0.01	3.8	0.01	4.2	0.01
312	5.1	<0.01	1.3	<0.01	3.7	0.01	4.2	0.01
313	5.0	<0.01	1.2	<0.01	3.7	0.01	4.2	0.01
314	5.0	<0.01	1.2	<0.01	3.7	0.01	4.2	0.01
315	5.0	<0.01	1.2	<0.01	3.7	0.01	4.1	0.01
316	4.9	<0.01	1.2	<0.01	3.6	0.01	4.1	0.01
317	4.9	<0.01	1.2	<0.01	3.6	0.01	4.1	0.01
318	4.9	<0.01	1.2	<0.01	3.6	0.01	4.0	0.01
319	4.8	<0.01	1.2	<0.01	3.6	0.01	4.0	0.01
320	4.8	<0.01	1.2	<0.01	3.6	0.01	4.0	0.01
321	4.8	<0.01	1.2	<0.01	3.5	0.01	4.0	0.01
322	4.7	<0.01	1.2	<0.01	3.5	0.01	3.9	0.01
323	4.7	<0.01	1.2	<0.01	3.5	0.01	3.9	0.01
324	4.7	<0.01	1.2	<0.01	3.5	0.01	3.9	0.01
325	4.6	<0.01	1.2	<0.01	3.4	0.01	3.9	0.01
326	4.6	<0.01	1.2	<0.01	3.4	<0.01	3.8	0.01
327	4.6	<0.01	1.1	<0.01	3.4	<0.01	3.8	0.01
328	4.5	<0.01	1.1	<0.01	3.4	<0.01	3.8	0.01
329	4.5	<0.01	1.1	<0.01	3.4	<0.01	3.8	0.01
330	4.5	<0.01	1.1	<0.01	3.3	<0.01	3.7	0.01
331	4.5	<0.01	1.1	<0.01	3.3	<0.01	3.7	0.01
332	4.4	<0.01	1.1	<0.01	3.3	<0.01	3.7	0.01
333	4.4	<0.01	1.1	<0.01	3.3	<0.01	3.7	0.01
334	4.4	<0.01	1.1	<0.01	3.3	<0.01	3.6	0.01
335	4.3	<0.01	1.1	<0.01	3.2	<0.01	3.6	<0.01
336	4.3	<0.01	1.1	<0.01	3.2	<0.01	3.6	<0.01
337	4.3	<0.01	1.1	<0.01	3.2	<0.01	3.6	<0.01
338	4.3	<0.01	1.1	<0.01	3.2	<0.01	3.6	<0.01
339	4.2	<0.01	1.1	<0.01	3.2	<0.01	3.5	<0.01

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Table D-1 – Continued from previous page

Dist (feet)	Sections 1 & 2 (A) Magnetic Field Maximum (mG)	Sections 1 & 2 (A) Electric Field Resultant (kV/m)	Sections 5 & 6 Magnetic Field Maximum (mG)	Sections 5 & 6 Electric Field Resultant (kV/m)	Section 7 Magnetic Field Maximum (mG)	Section 7 Electric Field Resultant (kV/m)	Section 8 Magnetic Field Maximum (mG)	Section 8 Electric Field Resultant (kV/m)
340	4.2	<0.01	1.1	<0.01	3.2	<0.01	3.5	<0.01
341	4.2	<0.01	1.1	<0.01	3.1	<0.01	3.5	<0.01
342	4.2	<0.01	1.1	<0.01	3.1	<0.01	3.5	<0.01
343	4.1	<0.01	1.0	<0.01	3.1	<0.01	3.5	<0.01
344	4.1	<0.01	1.0	<0.01	3.1	<0.01	3.4	<0.01
345	4.1	<0.01	1.0	<0.01	3.1	<0.01	3.4	<0.01
346	4.1	<0.01	1.0	<0.01	3.0	<0.01	3.4	<0.01
347	4.0	<0.01	1.0	<0.01	3.0	<0.01	3.4	<0.01
348	4.0	<0.01	1.0	<0.01	3.0	<0.01	3.3	<0.01
349	4.0	<0.01	1.0	<0.01	3.0	<0.01	3.3	<0.01
350	4.0	<0.01	1.0	<0.01	3.0	<0.01	3.3	<0.01
351	3.9	<0.01	1.0	<0.01	3.0	<0.01	3.3	<0.01
352	3.9	<0.01	1.0	<0.01	2.9	<0.01	3.3	<0.01
353	3.9	<0.01	1.0	<0.01	2.9	<0.01	3.3	<0.01
354	3.9	<0.01	1.0	<0.01	2.9	<0.01	3.2	<0.01
355	3.8	<0.01	1.0	<0.01	2.9	<0.01	3.2	<0.01
356	3.8	<0.01	1.0	<0.01	2.9	<0.01	3.2	<0.01
357	3.8	<0.01	1.0	<0.01	2.9	<0.01	3.2	<0.01
358	3.8	<0.01	1.0	<0.01	2.8	<0.01	3.2	<0.01
359	3.8	<0.01	1.0	<0.01	2.8	<0.01	3.1	<0.01
360	3.7	<0.01	1.0	<0.01	2.8	<0.01	3.1	<0.01
361	3.7	<0.01	1.0	<0.01	2.8	<0.01	3.1	<0.01
362	3.7	<0.01	0.9	<0.01	2.8	<0.01	3.1	<0.01
363	3.7	<0.01	0.9	<0.01	2.8	<0.01	3.1	<0.01
364	3.6	<0.01	0.9	<0.01	2.8	<0.01	3.0	<0.01
365	3.6	<0.01	0.9	<0.01	2.7	<0.01	3.0	<0.01
366	3.6	<0.01	0.9	<0.01	2.7	<0.01	3.0	<0.01
367	3.6	<0.01	0.9	<0.01	2.7	<0.01	3.0	<0.01
368	3.6	<0.01	0.9	<0.01	2.7	<0.01	3.0	<0.01
369	3.5	<0.01	0.9	<0.01	2.7	<0.01	3.0	<0.01
370	3.5	<0.01	0.9	<0.01	2.7	<0.01	2.9	<0.01
371	3.5	<0.01	0.9	<0.01	2.7	<0.01	2.9	<0.01
372	3.5	<0.01	0.9	<0.01	2.6	<0.01	2.9	<0.01
373	3.5	<0.01	0.9	<0.01	2.6	<0.01	2.9	<0.01
374	3.4	<0.01	0.9	<0.01	2.6	<0.01	2.9	<0.01
375	3.4	<0.01	0.9	<0.01	2.6	<0.01	2.9	<0.01
376	3.4	<0.01	0.9	<0.01	2.6	<0.01	2.8	<0.01
377	3.4	<0.01	0.9	<0.01	2.6	<0.01	2.8	<0.01
378	3.4	<0.01	0.9	<0.01	2.6	<0.01	2.8	<0.01
379	3.3	<0.01	0.9	<0.01	2.5	<0.01	2.8	<0.01
380	3.3	<0.01	0.9	<0.01	2.5	<0.01	2.8	<0.01
381	3.3	<0.01	0.9	<0.01	2.5	<0.01	2.8	<0.01

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Table D-1 – Continued from previous page

Dist (feet)	Sections 1 & 2 (A) Magnetic Field Maximum (mG)	Sections 1 & 2 (A) Electric Field Resultant (kV/m)	Sections 5 & 6 Magnetic Field Maximum (mG)	Sections 5 & 6 Electric Field Resultant (kV/m)	Section 7 Magnetic Field Maximum (mG)	Section 7 Electric Field Resultant (kV/m)	Section 8 Magnetic Field Maximum (mG)	Section 8 Electric Field Resultant (kV/m)
382	3.3	<0.01	0.9	<0.01	2.5	<0.01	2.8	<0.01
383	3.3	<0.01	0.8	<0.01	2.5	<0.01	2.7	<0.01
384	3.3	<0.01	0.8	<0.01	2.5	<0.01	2.7	<0.01
385	3.2	<0.01	0.8	<0.01	2.5	<0.01	2.7	<0.01
386	3.2	<0.01	0.8	<0.01	2.5	<0.01	2.7	<0.01
387	3.2	<0.01	0.8	<0.01	2.4	<0.01	2.7	<0.01
388	3.2	<0.01	0.8	<0.01	2.4	<0.01	2.7	<0.01
389	3.2	<0.01	0.8	<0.01	2.4	<0.01	2.7	<0.01
390	3.2	<0.01	0.8	<0.01	2.4	<0.01	2.6	<0.01
391	3.1	<0.01	0.8	<0.01	2.4	<0.01	2.6	<0.01
392	3.1	<0.01	0.8	<0.01	2.4	<0.01	2.6	<0.01
393	3.1	<0.01	0.8	<0.01	2.4	<0.01	2.6	<0.01
394	3.1	<0.01	0.8	<0.01	2.4	<0.01	2.6	<0.01
395	3.1	<0.01	0.8	<0.01	2.3	<0.01	2.6	<0.01
396	3.1	<0.01	0.8	<0.01	2.3	<0.01	2.6	<0.01
397	3.0	<0.01	0.8	<0.01	2.3	<0.01	2.5	<0.01
398	3.0	<0.01	0.8	<0.01	2.3	<0.01	2.5	<0.01
399	3.0	<0.01	0.8	<0.01	2.3	<0.01	2.5	<0.01
400	3.0	<0.01	0.8	<0.01	2.3	<0.01	2.5	<0.01
401	3.0	<0.01	0.8	<0.01	2.3	<0.01	2.5	<0.01
402	3.0	<0.01	0.8	<0.01	2.3	<0.01	2.5	<0.01
403	2.9	<0.01	0.8	<0.01	2.3	<0.01	2.5	<0.01
404	2.9	<0.01	0.8	<0.01	2.2	<0.01	2.5	<0.01
405	2.9	<0.01	0.8	<0.01	2.2	<0.01	2.4	<0.01
406	2.9	<0.01	0.8	<0.01	2.2	<0.01	2.4	<0.01
407	2.9	<0.01	0.8	<0.01	2.2	<0.01	2.4	<0.01
408	2.9	<0.01	0.8	<0.01	2.2	<0.01	2.4	<0.01
409	2.9	<0.01	0.7	<0.01	2.2	<0.01	2.4	<0.01
410	2.8	<0.01	0.7	<0.01	2.2	<0.01	2.4	<0.01
411	2.8	<0.01	0.7	<0.01	2.2	<0.01	2.4	<0.01
412	2.8	<0.01	0.7	<0.01	2.2	<0.01	2.4	<0.01
413	2.8	<0.01	0.7	<0.01	2.1	<0.01	2.3	<0.01
414	2.8	<0.01	0.7	<0.01	2.1	<0.01	2.3	<0.01
415	2.8	<0.01	0.7	<0.01	2.1	<0.01	2.3	<0.01
416	2.8	<0.01	0.7	<0.01	2.1	<0.01	2.3	<0.01
417	2.7	<0.01	0.7	<0.01	2.1	<0.01	2.3	<0.01
418	2.7	<0.01	0.7	<0.01	2.1	<0.01	2.3	<0.01
419	2.7	<0.01	0.7	<0.01	2.1	<0.01	2.3	<0.01
420	2.7	<0.01	0.7	<0.01	2.1	<0.01	2.3	<0.01
421	2.7	<0.01	0.7	<0.01	2.1	<0.01	2.3	<0.01
422	2.7	<0.01	0.7	<0.01	2.1	<0.01	2.2	<0.01
423	2.7	<0.01	0.7	<0.01	2.0	<0.01	2.2	<0.01

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Table D-1 – Continued from previous page

Dist (feet)	Sections 1 & 2 (A) Magnetic Field Maximum (mG)	Sections 1 & 2 (A) Electric Field Resultant (kV/m)	Sections 5 & 6 Magnetic Field Maximum (mG)	Sections 5 & 6 Electric Field Resultant (kV/m)	Section 7 Magnetic Field Maximum (mG)	Section 7 Electric Field Resultant (kV/m)	Section 8 Magnetic Field Maximum (mG)	Section 8 Electric Field Resultant (kV/m)
424	2.6	<0.01	0.7	<0.01	2.0	<0.01	2.2	<0.01
425	2.6	<0.01	0.7	<0.01	2.0	<0.01	2.2	<0.01
426	2.6	<0.01	0.7	<0.01	2.0	<0.01	2.2	<0.01
427	2.6	<0.01	0.7	<0.01	2.0	<0.01	2.2	<0.01
428	2.6	<0.01	0.7	<0.01	2.0	<0.01	2.2	<0.01
429	2.6	<0.01	0.7	<0.01	2.0	<0.01	2.2	<0.01
430	2.6	<0.01	0.7	<0.01	2.0	<0.01	2.2	<0.01
431	2.6	<0.01	0.7	<0.01	2.0	<0.01	2.1	<0.01
432	2.5	<0.01	0.7	<0.01	2.0	<0.01	2.1	<0.01
433	2.5	<0.01	0.7	<0.01	2.0	<0.01	2.1	<0.01
434	2.5	<0.01	0.7	<0.01	1.9	<0.01	2.1	<0.01
435	2.5	<0.01	0.7	<0.01	1.9	<0.01	2.1	<0.01
436	2.5	<0.01	0.7	<0.01	1.9	<0.01	2.1	<0.01
437	2.5	<0.01	0.7	<0.01	1.9	<0.01	2.1	<0.01
438	2.5	<0.01	0.7	<0.01	1.9	<0.01	2.1	<0.01
439	2.5	<0.01	0.7	<0.01	1.9	<0.01	2.1	<0.01
440	2.5	<0.01	0.7	<0.01	1.9	<0.01	2.1	<0.01
441	2.4	<0.01	0.6	<0.01	1.9	<0.01	2.0	<0.01
442	2.4	<0.01	0.6	<0.01	1.9	<0.01	2.0	<0.01
443	2.4	<0.01	0.6	<0.01	1.9	<0.01	2.0	<0.01
444	2.4	<0.01	0.6	<0.01	1.9	<0.01	2.0	<0.01
445	2.4	<0.01	0.6	<0.01	1.9	<0.01	2.0	<0.01
446	2.4	<0.01	0.6	<0.01	1.8	<0.01	2.0	<0.01
447	2.4	<0.01	0.6	<0.01	1.8	<0.01	2.0	<0.01
448	2.4	<0.01	0.6	<0.01	1.8	<0.01	2.0	<0.01
449	2.4	<0.01	0.6	<0.01	1.8	<0.01	2.0	<0.01
450	2.3	<0.01	0.6	<0.01	1.8	<0.01	2.0	<0.01
451	2.3	<0.01	0.6	<0.01	1.8	<0.01	2.0	<0.01
452	2.3	<0.01	0.6	<0.01	1.8	<0.01	1.9	<0.01
453	2.3	<0.01	0.6	<0.01	1.8	<0.01	1.9	<0.01
454	2.3	<0.01	0.6	<0.01	1.8	<0.01	1.9	<0.01
455	2.3	<0.01	0.6	<0.01	1.8	<0.01	1.9	<0.01
456	2.3	<0.01	0.6	<0.01	1.8	<0.01	1.9	<0.01
457	2.3	<0.01	0.6	<0.01	1.8	<0.01	1.9	<0.01
458	2.3	<0.01	0.6	<0.01	1.7	<0.01	1.9	<0.01
459	2.2	<0.01	0.6	<0.01	1.7	<0.01	1.9	<0.01
460	2.2	<0.01	0.6	<0.01	1.7	<0.01	1.9	<0.01
461	2.2	<0.01	0.6	<0.01	1.7	<0.01	1.9	<0.01
462	2.2	<0.01	0.6	<0.01	1.7	<0.01	1.9	<0.01
463	2.2	<0.01	0.6	<0.01	1.7	<0.01	1.9	<0.01
464	2.2	<0.01	0.6	<0.01	1.7	<0.01	1.8	<0.01
465	2.2	<0.01	0.6	<0.01	1.7	<0.01	1.8	<0.01

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Table D-1 – Continued from previous page

Dist (feet)	Sections 1 & 2 (A) Magnetic Field Maximum (mG)	Sections 1 & 2 (A) Electric Field Resultant (kV/m)	Sections 5 & 6 Magnetic Field Maximum (mG)	Sections 5 & 6 Electric Field Resultant (kV/m)	Section 7 Magnetic Field Maximum (mG)	Section 7 Electric Field Resultant (kV/m)	Section 8 Magnetic Field Maximum (mG)	Section 8 Electric Field Resultant (kV/m)
466	2.2	<0.01	0.6	<0.01	1.7	<0.01	1.8	<0.01
467	2.2	<0.01	0.6	<0.01	1.7	<0.01	1.8	<0.01
468	2.2	<0.01	0.6	<0.01	1.7	<0.01	1.8	<0.01
469	2.1	<0.01	0.6	<0.01	1.7	<0.01	1.8	<0.01
470	2.1	<0.01	0.6	<0.01	1.7	<0.01	1.8	<0.01
471	2.1	<0.01	0.6	<0.01	1.7	<0.01	1.8	<0.01
472	2.1	<0.01	0.6	<0.01	1.6	<0.01	1.8	<0.01
473	2.1	<0.01	0.6	<0.01	1.6	<0.01	1.8	<0.01
474	2.1	<0.01	0.6	<0.01	1.6	<0.01	1.8	<0.01
475	2.1	<0.01	0.6	<0.01	1.6	<0.01	1.8	<0.01
476	2.1	<0.01	0.6	<0.01	1.6	<0.01	1.7	<0.01
477	2.1	<0.01	0.6	<0.01	1.6	<0.01	1.7	<0.01
478	2.1	<0.01	0.6	<0.01	1.6	<0.01	1.7	<0.01
479	2.1	<0.01	0.6	<0.01	1.6	<0.01	1.7	<0.01
480	2.0	<0.01	0.6	<0.01	1.6	<0.01	1.7	<0.01
481	2.0	<0.01	0.5	<0.01	1.6	<0.01	1.7	<0.01
482	2.0	<0.01	0.5	<0.01	1.6	<0.01	1.7	<0.01
483	2.0	<0.01	0.5	<0.01	1.6	<0.01	1.7	<0.01
484	2.0	<0.01	0.5	<0.01	1.6	<0.01	1.7	<0.01
485	2.0	<0.01	0.5	<0.01	1.6	<0.01	1.7	<0.01
486	2.0	<0.01	0.5	<0.01	1.6	<0.01	1.7	<0.01
487	2.0	<0.01	0.5	<0.01	1.5	<0.01	1.7	<0.01
488	2.0	<0.01	0.5	<0.01	1.5	<0.01	1.7	<0.01
489	2.0	<0.01	0.5	<0.01	1.5	<0.01	1.7	<0.01
490	2.0	<0.01	0.5	<0.01	1.5	<0.01	1.6	<0.01
491	2.0	<0.01	0.5	<0.01	1.5	<0.01	1.6	<0.01
492	1.9	<0.01	0.5	<0.01	1.5	<0.01	1.6	<0.01
493	1.9	<0.01	0.5	<0.01	1.5	<0.01	1.6	<0.01
494	1.9	<0.01	0.5	<0.01	1.5	<0.01	1.6	<0.01
495	1.9	<0.01	0.5	<0.01	1.5	<0.01	1.6	<0.01
496	1.9	<0.01	0.5	<0.01	1.5	<0.01	1.6	<0.01
497	1.9	<0.01	0.5	<0.01	1.5	<0.01	1.6	<0.01
498	1.9	<0.01	0.5	<0.01	1.5	<0.01	1.6	<0.01
499	1.9	<0.01	0.5	<0.01	1.5	<0.01	1.6	<0.01
500	1.9	<0.01	0.5	<0.01	1.5	<0.01	1.6	<0.01

Table D-2. Calculated EMF levels for Sections 10 & 11 (A) through Section 12

Dist (feet)	Sections 10 & 11 (A) Magnetic Field Maximum (mG)	Sections 10 & 11 (A) Electric Field Resultant (kV/m)	Sections 10 & 11 (B) Magnetic Field Maximum (mG)	Sections 10 & 11 (B) Electric Field Resultant (kV/m)	Section 12 Magnetic Field Maximum (mG)	Section 12 Electric Field Resultant (kV/m)
-500	1.1	<0.01	1.1	<0.01	2.1	<0.01
-499	1.1	<0.01	1.1	<0.01	2.1	<0.01
-498	1.1	<0.01	1.1	<0.01	2.1	<0.01
-497	1.1	<0.01	1.1	<0.01	2.1	<0.01
-496	1.1	<0.01	1.1	<0.01	2.1	<0.01
-495	1.1	<0.01	1.1	<0.01	2.1	<0.01
-494	1.1	<0.01	1.1	<0.01	2.1	<0.01
-493	1.1	<0.01	1.1	<0.01	2.1	<0.01
-492	1.1	<0.01	1.1	<0.01	2.1	<0.01
-491	1.1	<0.01	1.1	<0.01	2.2	<0.01
-490	1.1	<0.01	1.1	<0.01	2.2	<0.01
-489	1.1	<0.01	1.2	<0.01	2.2	<0.01
-488	1.1	<0.01	1.2	<0.01	2.2	<0.01
-487	1.1	<0.01	1.2	<0.01	2.2	<0.01
-486	1.1	<0.01	1.2	<0.01	2.2	<0.01
-485	1.1	<0.01	1.2	<0.01	2.2	<0.01
-484	1.1	<0.01	1.2	<0.01	2.2	<0.01
-483	1.1	<0.01	1.2	<0.01	2.2	<0.01
-482	1.1	<0.01	1.2	<0.01	2.2	<0.01
-481	1.1	<0.01	1.2	<0.01	2.3	<0.01
-480	1.1	<0.01	1.2	<0.01	2.3	<0.01
-479	1.1	<0.01	1.2	<0.01	2.3	<0.01
-478	1.2	<0.01	1.2	<0.01	2.3	<0.01
-477	1.2	<0.01	1.2	<0.01	2.3	<0.01
-476	1.2	<0.01	1.2	<0.01	2.3	<0.01
-475	1.2	<0.01	1.2	<0.01	2.3	<0.01
-474	1.2	<0.01	1.2	<0.01	2.3	<0.01
-473	1.2	<0.01	1.2	<0.01	2.3	<0.01
-472	1.2	<0.01	1.2	<0.01	2.3	<0.01
-471	1.2	<0.01	1.2	<0.01	2.4	<0.01
-470	1.2	<0.01	1.3	<0.01	2.4	<0.01
-469	1.2	<0.01	1.3	<0.01	2.4	<0.01
-468	1.2	<0.01	1.3	<0.01	2.4	<0.01
-467	1.2	<0.01	1.3	<0.01	2.4	<0.01
-466	1.2	<0.01	1.3	<0.01	2.4	<0.01
-465	1.2	<0.01	1.3	<0.01	2.4	<0.01
-464	1.2	<0.01	1.3	<0.01	2.4	<0.01
-463	1.2	<0.01	1.3	<0.01	2.4	<0.01
-462	1.2	<0.01	1.3	<0.01	2.5	<0.01
-461	1.2	<0.01	1.3	<0.01	2.5	<0.01
-460	1.2	<0.01	1.3	<0.01	2.5	<0.01
-459	1.3	<0.01	1.3	<0.01	2.5	<0.01

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Table D-2 – Continued from previous page

Dist (feet)	Sections 10 & 11 (A) Magnetic Field Maximum (mG)	Sections 10 & 11 (A) Electric Field Resultant (kV/m)	Sections 10 & 11 (B) Magnetic Field Maximum (mG)	Sections 10 & 11 (B) Electric Field Resultant (kV/m)	Section 12 Magnetic Field Maximum (mG)	Section 12 Electric Field Resultant (kV/m)
-458	1.3	<0.01	1.3	<0.01	2.5	<0.01
-457	1.3	<0.01	1.3	<0.01	2.5	<0.01
-456	1.3	<0.01	1.3	<0.01	2.5	<0.01
-455	1.3	<0.01	1.3	<0.01	2.5	<0.01
-454	1.3	<0.01	1.3	<0.01	2.6	<0.01
-453	1.3	<0.01	1.4	<0.01	2.6	<0.01
-452	1.3	<0.01	1.4	<0.01	2.6	<0.01
-451	1.3	<0.01	1.4	<0.01	2.6	<0.01
-450	1.3	<0.01	1.4	<0.01	2.6	<0.01
-449	1.3	<0.01	1.4	<0.01	2.6	<0.01
-448	1.3	<0.01	1.4	<0.01	2.6	<0.01
-447	1.3	<0.01	1.4	<0.01	2.6	<0.01
-446	1.3	<0.01	1.4	<0.01	2.7	<0.01
-445	1.3	<0.01	1.4	<0.01	2.7	<0.01
-444	1.3	<0.01	1.4	<0.01	2.7	<0.01
-443	1.3	<0.01	1.4	<0.01	2.7	<0.01
-442	1.4	<0.01	1.4	<0.01	2.7	<0.01
-441	1.4	<0.01	1.4	<0.01	2.7	<0.01
-440	1.4	<0.01	1.4	<0.01	2.7	<0.01
-439	1.4	<0.01	1.4	<0.01	2.7	<0.01
-438	1.4	<0.01	1.5	<0.01	2.8	<0.01
-437	1.4	<0.01	1.5	<0.01	2.8	<0.01
-436	1.4	<0.01	1.5	<0.01	2.8	<0.01
-435	1.4	<0.01	1.5	<0.01	2.8	<0.01
-434	1.4	<0.01	1.5	<0.01	2.8	<0.01
-433	1.4	<0.01	1.5	<0.01	2.8	<0.01
-432	1.4	<0.01	1.5	<0.01	2.8	<0.01
-431	1.4	<0.01	1.5	<0.01	2.9	<0.01
-430	1.4	<0.01	1.5	<0.01	2.9	<0.01
-429	1.4	<0.01	1.5	<0.01	2.9	<0.01
-428	1.4	<0.01	1.5	<0.01	2.9	<0.01
-427	1.4	<0.01	1.5	<0.01	2.9	<0.01
-426	1.5	<0.01	1.5	<0.01	2.9	<0.01
-425	1.5	<0.01	1.5	<0.01	3.0	<0.01
-424	1.5	<0.01	1.6	<0.01	3.0	<0.01
-423	1.5	<0.01	1.6	<0.01	3.0	<0.01
-422	1.5	<0.01	1.6	<0.01	3.0	<0.01
-421	1.5	<0.01	1.6	<0.01	3.0	<0.01
-420	1.5	<0.01	1.6	<0.01	3.0	<0.01
-419	1.5	<0.01	1.6	<0.01	3.0	<0.01
-418	1.5	<0.01	1.6	<0.01	3.1	<0.01
-417	1.5	<0.01	1.6	<0.01	3.1	<0.01

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Table D-2 – Continued from previous page

Dist (feet)	Sections 10 & 11 (A) Magnetic Field Maximum (mG)	Sections 10 & 11 (A) Electric Field Resultant (kV/m)	Sections 10 & 11 (B) Magnetic Field Maximum (mG)	Sections 10 & 11 (B) Electric Field Resultant (kV/m)	Section 12 Magnetic Field Maximum (mG)	Section 12 Electric Field Resultant (kV/m)
-416	1.5	<0.01	1.6	<0.01	3.1	<0.01
-415	1.5	<0.01	1.6	<0.01	3.1	<0.01
-414	1.5	<0.01	1.6	<0.01	3.1	<0.01
-413	1.6	<0.01	1.6	<0.01	3.1	<0.01
-412	1.6	<0.01	1.6	<0.01	3.2	<0.01
-411	1.6	<0.01	1.7	<0.01	3.2	<0.01
-410	1.6	<0.01	1.7	<0.01	3.2	<0.01
-409	1.6	<0.01	1.7	<0.01	3.2	<0.01
-408	1.6	<0.01	1.7	<0.01	3.2	<0.01
-407	1.6	<0.01	1.7	<0.01	3.2	<0.01
-406	1.6	<0.01	1.7	<0.01	3.3	<0.01
-405	1.6	<0.01	1.7	<0.01	3.3	<0.01
-404	1.6	<0.01	1.7	<0.01	3.3	<0.01
-403	1.6	<0.01	1.7	<0.01	3.3	<0.01
-402	1.6	<0.01	1.7	<0.01	3.3	<0.01
-401	1.6	<0.01	1.7	<0.01	3.4	<0.01
-400	1.7	<0.01	1.8	<0.01	3.4	<0.01
-399	1.7	<0.01	1.8	<0.01	3.4	<0.01
-398	1.7	<0.01	1.8	<0.01	3.4	<0.01
-397	1.7	<0.01	1.8	<0.01	3.4	<0.01
-396	1.7	<0.01	1.8	<0.01	3.4	<0.01
-395	1.7	<0.01	1.8	<0.01	3.5	<0.01
-394	1.7	<0.01	1.8	<0.01	3.5	<0.01
-393	1.7	<0.01	1.8	<0.01	3.5	<0.01
-392	1.7	<0.01	1.8	<0.01	3.5	<0.01
-391	1.7	<0.01	1.8	<0.01	3.5	<0.01
-390	1.7	<0.01	1.8	<0.01	3.6	<0.01
-389	1.8	<0.01	1.9	<0.01	3.6	<0.01
-388	1.8	<0.01	1.9	<0.01	3.6	<0.01
-387	1.8	<0.01	1.9	<0.01	3.6	<0.01
-386	1.8	<0.01	1.9	<0.01	3.6	<0.01
-385	1.8	<0.01	1.9	<0.01	3.7	<0.01
-384	1.8	<0.01	1.9	<0.01	3.7	<0.01
-383	1.8	<0.01	1.9	<0.01	3.7	<0.01
-382	1.8	<0.01	1.9	<0.01	3.7	<0.01
-381	1.8	<0.01	1.9	<0.01	3.8	<0.01
-380	1.8	<0.01	2.0	<0.01	3.8	<0.01
-379	1.8	<0.01	2.0	<0.01	3.8	<0.01
-378	1.9	<0.01	2.0	<0.01	3.8	<0.01
-377	1.9	<0.01	2.0	<0.01	3.8	<0.01
-376	1.9	<0.01	2.0	<0.01	3.9	<0.01
-375	1.9	<0.01	2.0	<0.01	3.9	<0.01

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Table D-2 – Continued from previous page

Dist (feet)	Sections 10 & 11 (A) Magnetic Field Maximum (mG)	Sections 10 & 11 (A) Electric Field Resultant (kV/m)	Sections 10 & 11 (B) Magnetic Field Maximum (mG)	Sections 10 & 11 (B) Electric Field Resultant (kV/m)	Section 12 Magnetic Field Maximum (mG)	Section 12 Electric Field Resultant (kV/m)
-374	1.9	<0.01	2.0	<0.01	3.9	<0.01
-373	1.9	<0.01	2.0	<0.01	3.9	<0.01
-372	1.9	<0.01	2.0	<0.01	4.0	<0.01
-371	1.9	<0.01	2.1	<0.01	4.0	<0.01
-370	1.9	<0.01	2.1	<0.01	4.0	0.01
-369	1.9	<0.01	2.1	<0.01	4.0	0.01
-368	2.0	<0.01	2.1	<0.01	4.1	0.01
-367	2.0	<0.01	2.1	<0.01	4.1	0.01
-366	2.0	<0.01	2.1	<0.01	4.1	0.01
-365	2.0	<0.01	2.1	<0.01	4.1	0.01
-364	2.0	<0.01	2.1	<0.01	4.2	0.01
-363	2.0	<0.01	2.1	<0.01	4.2	0.01
-362	2.0	<0.01	2.2	<0.01	4.2	0.01
-361	2.0	<0.01	2.2	<0.01	4.2	0.01
-360	2.0	<0.01	2.2	<0.01	4.3	0.01
-359	2.1	<0.01	2.2	<0.01	4.3	0.01
-358	2.1	<0.01	2.2	<0.01	4.3	0.01
-357	2.1	<0.01	2.2	<0.01	4.3	0.01
-356	2.1	<0.01	2.2	<0.01	4.4	0.01
-355	2.1	<0.01	2.3	<0.01	4.4	0.01
-354	2.1	<0.01	2.3	<0.01	4.4	0.01
-353	2.1	<0.01	2.3	<0.01	4.4	0.01
-352	2.1	<0.01	2.3	<0.01	4.5	0.01
-351	2.2	<0.01	2.3	<0.01	4.5	0.01
-350	2.2	<0.01	2.3	<0.01	4.5	0.01
-349	2.2	<0.01	2.3	<0.01	4.6	0.01
-348	2.2	<0.01	2.3	<0.01	4.6	0.01
-347	2.2	<0.01	2.4	<0.01	4.6	0.01
-346	2.2	<0.01	2.4	<0.01	4.6	0.01
-345	2.2	<0.01	2.4	<0.01	4.7	0.01
-344	2.2	<0.01	2.4	<0.01	4.7	0.01
-343	2.3	<0.01	2.4	<0.01	4.7	0.01
-342	2.3	<0.01	2.4	<0.01	4.8	0.01
-341	2.3	<0.01	2.5	<0.01	4.8	0.01
-340	2.3	<0.01	2.5	<0.01	4.8	0.01
-339	2.3	<0.01	2.5	<0.01	4.9	0.01
-338	2.3	<0.01	2.5	<0.01	4.9	0.01
-337	2.3	<0.01	2.5	<0.01	4.9	0.01
-336	2.4	<0.01	2.5	<0.01	5.0	0.01
-335	2.4	<0.01	2.5	<0.01	5.0	0.01
-334	2.4	<0.01	2.6	<0.01	5.0	0.01
-333	2.4	<0.01	2.6	<0.01	5.1	0.01

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Table D-2 – Continued from previous page

Dist (feet)	Sections 10 & 11 (A) Magnetic Field Maximum (mG)	Sections 10 & 11 (A) Electric Field Resultant (kV/m)	Sections 10 & 11 (B) Magnetic Field Maximum (mG)	Sections 10 & 11 (B) Electric Field Resultant (kV/m)	Section 12 Magnetic Field Maximum (mG)	Section 12 Electric Field Resultant (kV/m)
-332	2.4	<0.01	2.6	<0.01	5.1	0.01
-331	2.4	<0.01	2.6	<0.01	5.1	0.01
-330	2.4	<0.01	2.6	<0.01	5.2	0.01
-329	2.5	<0.01	2.6	<0.01	5.2	0.01
-328	2.5	<0.01	2.7	<0.01	5.2	0.01
-327	2.5	<0.01	2.7	<0.01	5.3	0.01
-326	2.5	<0.01	2.7	<0.01	5.3	0.01
-325	2.5	<0.01	2.7	<0.01	5.3	0.01
-324	2.5	<0.01	2.7	<0.01	5.4	0.01
-323	2.6	<0.01	2.7	<0.01	5.4	0.01
-322	2.6	<0.01	2.8	<0.01	5.5	0.01
-321	2.6	<0.01	2.8	<0.01	5.5	0.01
-320	2.6	<0.01	2.8	<0.01	5.5	0.01
-319	2.6	<0.01	2.8	<0.01	5.6	0.01
-318	2.6	<0.01	2.8	<0.01	5.6	0.01
-317	2.7	<0.01	2.9	<0.01	5.7	0.01
-316	2.7	<0.01	2.9	<0.01	5.7	0.01
-315	2.7	<0.01	2.9	<0.01	5.7	0.01
-314	2.7	<0.01	2.9	<0.01	5.8	0.01
-313	2.7	<0.01	2.9	<0.01	5.8	0.01
-312	2.7	<0.01	3.0	<0.01	5.9	0.01
-311	2.8	<0.01	3.0	<0.01	5.9	0.01
-310	2.8	<0.01	3.0	<0.01	5.9	0.01
-309	2.8	<0.01	3.0	<0.01	6.0	0.01
-308	2.8	<0.01	3.0	<0.01	6.0	0.01
-307	2.8	<0.01	3.1	<0.01	6.1	0.01
-306	2.8	<0.01	3.1	<0.01	6.1	0.01
-305	2.9	<0.01	3.1	<0.01	6.2	0.01
-304	2.9	<0.01	3.1	<0.01	6.2	0.01
-303	2.9	<0.01	3.1	<0.01	6.3	0.01
-302	2.9	<0.01	3.2	<0.01	6.3	0.01
-301	2.9	<0.01	3.2	<0.01	6.3	0.01
-300	3.0	<0.01	3.2	<0.01	6.4	0.01
-299	3.0	<0.01	3.2	<0.01	6.4	0.01
-298	3.0	<0.01	3.3	<0.01	6.5	0.01
-297	3.0	<0.01	3.3	<0.01	6.5	0.01
-296	3.0	<0.01	3.3	<0.01	6.6	0.01
-295	3.1	<0.01	3.3	<0.01	6.6	0.01
-294	3.1	<0.01	3.3	<0.01	6.7	0.01
-293	3.1	<0.01	3.4	<0.01	6.7	0.01
-292	3.1	<0.01	3.4	<0.01	6.8	0.02
-291	3.2	<0.01	3.4	<0.01	6.8	0.02

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Table D-2 – Continued from previous page

Dist (feet)	Sections 10 & 11 (A) Magnetic Field Maximum (mG)	Sections 10 & 11 (A) Electric Field Resultant (kV/m)	Sections 10 & 11 (B) Magnetic Field Maximum (mG)	Sections 10 & 11 (B) Electric Field Resultant (kV/m)	Section 12 Magnetic Field Maximum (mG)	Section 12 Electric Field Resultant (kV/m)
-290	3.2	<0.01	3.4	<0.01	6.9	0.02
-289	3.2	<0.01	3.5	<0.01	7.0	0.02
-288	3.2	<0.01	3.5	<0.01	7.0	0.02
-287	3.2	<0.01	3.5	<0.01	7.1	0.02
-286	3.3	<0.01	3.5	<0.01	7.1	0.02
-285	3.3	<0.01	3.6	<0.01	7.2	0.02
-284	3.3	<0.01	3.6	<0.01	7.2	0.02
-283	3.3	<0.01	3.6	<0.01	7.3	0.02
-282	3.4	<0.01	3.6	<0.01	7.3	0.02
-281	3.4	<0.01	3.7	<0.01	7.4	0.02
-280	3.4	<0.01	3.7	<0.01	7.5	0.02
-279	3.4	<0.01	3.7	<0.01	7.5	0.02
-278	3.5	<0.01	3.8	<0.01	7.6	0.02
-277	3.5	<0.01	3.8	<0.01	7.7	0.02
-276	3.5	<0.01	3.8	<0.01	7.7	0.02
-275	3.5	<0.01	3.8	<0.01	7.8	0.02
-274	3.6	<0.01	3.9	<0.01	7.8	0.02
-273	3.6	<0.01	3.9	<0.01	7.9	0.02
-272	3.6	<0.01	3.9	<0.01	8.0	0.02
-271	3.6	<0.01	4.0	<0.01	8.0	0.02
-270	3.7	<0.01	4.0	<0.01	8.1	0.02
-269	3.7	<0.01	4.0	<0.01	8.2	0.02
-268	3.7	<0.01	4.1	<0.01	8.2	0.02
-267	3.8	<0.01	4.1	<0.01	8.3	0.02
-266	3.8	<0.01	4.1	<0.01	8.4	0.02
-265	3.8	<0.01	4.2	<0.01	8.5	0.02
-264	3.8	<0.01	4.2	<0.01	8.5	0.02
-263	3.9	<0.01	4.2	<0.01	8.6	0.02
-262	3.9	<0.01	4.3	<0.01	8.7	0.02
-261	3.9	<0.01	4.3	<0.01	8.7	0.02
-260	4.0	<0.01	4.3	<0.01	8.8	0.02
-259	4.0	<0.01	4.4	<0.01	8.9	0.02
-258	4.0	<0.01	4.4	<0.01	9.0	0.02
-257	4.0	<0.01	4.4	<0.01	9.1	0.02
-256	4.1	<0.01	4.5	<0.01	9.1	0.02
-255	4.1	<0.01	4.5	<0.01	9.2	0.02
-254	4.1	<0.01	4.5	<0.01	9.3	0.02
-253	4.2	<0.01	4.6	<0.01	9.4	0.02
-252	4.2	<0.01	4.6	<0.01	9.5	0.02
-251	4.2	<0.01	4.7	<0.01	9.6	0.02
-250	4.3	0.01	4.7	0.01	9.6	0.02
-249	4.3	0.01	4.7	0.01	9.7	0.02

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Table D-2 – Continued from previous page

Dist (feet)	Sections 10 & 11 (A) Magnetic Field Maximum (mG)	Sections 10 & 11 (A) Electric Field Resultant (kV/m)	Sections 10 & 11 (B) Magnetic Field Maximum (mG)	Sections 10 & 11 (B) Electric Field Resultant (kV/m)	Section 12 Magnetic Field Maximum (mG)	Section 12 Electric Field Resultant (kV/m)
-248	4.3	0.01	4.8	0.01	9.8	0.02
-247	4.4	0.01	4.8	0.01	9.9	0.02
-246	4.4	0.01	4.9	0.01	10.0	0.02
-245	4.5	0.01	4.9	0.01	10.1	0.02
-244	4.5	0.01	4.9	0.01	10.2	0.02
-243	4.5	0.01	5.0	0.01	10.3	0.02
-242	4.6	0.01	5.0	0.01	10.4	0.02
-241	4.6	0.01	5.1	0.01	10.5	0.02
-240	4.6	0.01	5.1	0.01	10.6	0.02
-239	4.7	0.01	5.2	0.01	10.7	0.02
-238	4.7	0.01	5.2	0.01	10.8	0.02
-237	4.8	0.01	5.2	0.01	10.9	0.02
-236	4.8	0.01	5.3	0.01	11.0	0.02
-235	4.8	0.01	5.3	0.01	11.1	0.02
-234	4.9	0.01	5.4	0.01	11.2	0.02
-233	4.9	0.01	5.4	0.01	11.3	0.02
-232	5.0	0.01	5.5	0.01	11.4	0.02
-231	5.0	0.01	5.5	0.01	11.5	0.02
-230	5.1	0.01	5.6	0.01	11.6	0.02
-229	5.1	0.01	5.6	0.01	11.8	0.02
-228	5.1	0.01	5.7	0.01	11.9	0.02
-227	5.2	0.01	5.7	0.01	12.0	0.02
-226	5.2	0.01	5.8	0.01	12.1	0.02
-225	5.3	0.01	5.8	0.01	12.2	0.02
-224	5.3	0.01	5.9	0.01	12.4	0.02
-223	5.4	0.01	6.0	0.01	12.5	0.02
-222	5.4	0.01	6.0	0.01	12.6	0.02
-221	5.5	0.01	6.1	0.01	12.7	0.02
-220	5.5	0.01	6.1	0.01	12.9	0.02
-219	5.6	0.01	6.2	0.01	13.0	0.02
-218	5.6	0.01	6.2	0.02	13.1	0.02
-217	5.7	0.01	6.3	0.02	13.3	0.02
-216	5.7	0.01	6.4	0.02	13.4	0.02
-215	5.8	0.02	6.4	0.02	13.5	0.02
-214	5.8	0.02	6.5	0.02	13.7	0.02
-213	5.9	0.02	6.6	0.02	13.8	0.02
-212	5.9	0.02	6.6	0.02	14.0	0.02
-211	6.0	0.02	6.7	0.02	14.1	0.02
-210	6.1	0.02	6.7	0.02	14.3	0.02
-209	6.1	0.02	6.8	0.02	14.4	0.02
-208	6.2	0.02	6.9	0.02	14.6	0.02
-207	6.2	0.02	6.9	0.02	14.8	0.02

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Table D-2 – Continued from previous page

Dist (feet)	Sections 10 & 11 (A) Magnetic Field Maximum (mG)	Sections 10 & 11 (A) Electric Field Resultant (kV/m)	Sections 10 & 11 (B) Magnetic Field Maximum (mG)	Sections 10 & 11 (B) Electric Field Resultant (kV/m)	Section 12 Magnetic Field Maximum (mG)	Section 12 Electric Field Resultant (kV/m)
-206	6.3	0.02	7.0	0.02	14.9	0.02
-205	6.3	0.02	7.1	0.02	15.1	0.02
-204	6.4	0.02	7.2	0.02	15.2	0.02
-203	6.5	0.02	7.2	0.02	15.4	0.02
-202	6.5	0.02	7.3	0.02	15.6	0.02
-201	6.6	0.02	7.4	0.02	15.8	0.02
-200	6.7	0.02	7.5	0.02	15.9	0.02
-199	6.7	0.02	7.5	0.02	16.1	0.02
-198	6.8	0.02	7.6	0.02	16.3	0.02
-197	6.9	0.02	7.7	0.02	16.5	0.02
-196	6.9	0.02	7.8	0.02	16.7	0.02
-195	7.0	0.02	7.9	0.02	16.9	0.02
-194	7.1	0.02	7.9	0.02	17.1	0.02
-193	7.1	0.02	8.0	0.02	17.3	0.02
-192	7.2	0.02	8.1	0.02	17.5	0.02
-191	7.3	0.02	8.2	0.02	17.7	0.02
-190	7.4	0.02	8.3	0.02	17.9	0.02
-189	7.4	0.02	8.4	0.02	18.1	0.02
-188	7.5	0.02	8.5	0.02	18.3	0.02
-187	7.6	0.02	8.6	0.02	18.5	0.02
-186	7.7	0.02	8.7	0.02	18.7	0.02
-185	7.8	0.02	8.8	0.02	19.0	0.02
-184	7.8	0.02	8.9	0.02	19.2	0.02
-183	7.9	0.02	8.9	0.02	19.4	0.02
-182	8.0	0.02	9.0	0.03	19.7	0.02
-181	8.1	0.02	9.2	0.03	19.9	0.02
-180	8.2	0.02	9.3	0.03	20.2	0.02
-179	8.3	0.02	9.4	0.03	20.4	0.02
-178	8.4	0.02	9.5	0.03	20.7	0.02
-177	8.4	0.03	9.6	0.03	20.9	0.02
-176	8.5	0.03	9.7	0.03	21.2	0.02
-175	8.6	0.03	9.8	0.03	21.5	0.02
-174	8.7	0.03	9.9	0.03	21.7	0.02
-173	8.8	0.03	10.0	0.03	22.0	0.02
-172	8.9	0.03	10.1	0.03	22.3	0.02
-171	9.0	0.03	10.3	0.03	22.6	0.02
-170	9.1	0.03	10.4	0.03	22.9	0.02
-169	9.2	0.03	10.5	0.03	23.2	0.02
-168	9.3	0.03	10.6	0.03	23.5	0.02
-167	9.4	0.03	10.8	0.03	23.8	0.02
-166	9.6	0.03	10.9	0.03	24.1	0.02
-165	9.7	0.03	11.0	0.03	24.4	0.02

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Table D-2 – Continued from previous page

Dist (feet)	Sections 10 & 11 (A) Magnetic Field Maximum (mG)	Sections 10 & 11 (A) Electric Field Resultant (kV/m)	Sections 10 & 11 (B) Magnetic Field Maximum (mG)	Sections 10 & 11 (B) Electric Field Resultant (kV/m)	Section 12 Magnetic Field Maximum (mG)	Section 12 Electric Field Resultant (kV/m)
-164	9.8	0.03	11.2	0.03	24.7	0.02
-163	9.9	0.03	11.3	0.03	25.1	0.02
-162	10.0	0.03	11.4	0.04	25.4	0.02
-161	10.1	0.03	11.6	0.04	25.8	0.02
-160	10.2	0.03	11.7	0.04	26.1	0.01
-159	10.4	0.03	11.9	0.04	26.5	0.01
-158	10.5	0.03	12.0	0.04	26.8	0.01
-157	10.6	0.03	12.2	0.04	27.2	0.01
-156	10.7	0.03	12.3	0.04	27.6	0.01
-155	10.9	0.04	12.5	0.04	28.0	0.01
-154	11.0	0.04	12.7	0.04	28.4	0.01
-153	11.1	0.04	12.8	0.04	28.7	0.01
-152	11.3	0.04	13.0	0.04	29.2	0.01
-151	11.4	0.04	13.2	0.04	29.6	0.01
-150	11.6	0.04	13.3	0.04	30.0	0.01
-149	11.7	0.04	13.5	0.04	30.4	0.01
-148	11.9	0.04	13.7	0.05	30.9	0.01
-147	12.0	0.04	13.9	0.05	31.3	0.01
-146	12.2	0.04	14.1	0.05	31.8	0.01
-145	12.3	0.04	14.2	0.05	32.2	0.01
-144	12.5	0.04	14.4	0.05	32.7	0.02
-143	12.6	0.04	14.6	0.05	33.2	0.02
-142	12.8	0.04	14.8	0.05	33.7	0.02
-141	13.0	0.04	15.0	0.05	34.2	0.02
-140	13.1	0.05	15.2	0.05	34.7	0.02
-139	13.3	0.05	15.5	0.05	35.2	0.02
-138	13.5	0.05	15.7	0.05	35.7	0.02
-137	13.7	0.05	15.9	0.06	36.2	0.02
-136	13.8	0.05	16.1	0.06	36.8	0.03
-135	14.0	0.05	16.3	0.06	37.3	0.03
-134	14.2	0.05	16.6	0.06	37.9	0.03
-133	14.4	0.05	16.8	0.06	38.5	0.03
-132	14.6	0.05	17.0	0.06	39.1	0.03
-131	14.8	0.05	17.3	0.06	39.7	0.04
-130	15.0	0.05	17.5	0.06	40.3	0.04
-129	15.2	0.06	17.8	0.06	40.9	0.04
-128	15.4	0.06	18.1	0.07	41.6	0.04
-127	15.6	0.06	18.3	0.07	42.2	0.05
-126	15.9	0.06	18.6	0.07	42.9	0.05
-125	16.1	0.06	18.9	0.07	43.5	0.05
-124	16.3	0.06	19.2	0.07	44.2	0.05
-123	16.5	0.06	19.4	0.07	44.9	0.06

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Table D-2 – Continued from previous page

Dist (feet)	Sections 10 & 11 (A) Magnetic Field Maximum (mG)	Sections 10 & 11 (A) Electric Field Resultant (kV/m)	Sections 10 & 11 (B) Magnetic Field Maximum (mG)	Sections 10 & 11 (B) Electric Field Resultant (kV/m)	Section 12 Magnetic Field Maximum (mG)	Section 12 Electric Field Resultant (kV/m)
-122	16.8	0.06	19.7	0.07	45.6	0.06
-121	17.0	0.06	20.0	0.08	46.4	0.07
-120	17.3	0.07	20.3	0.08	47.1	0.07
-119	17.5	0.07	20.7	0.08	47.9	0.07
-118	17.8	0.07	21.0	0.08	48.6	0.08
-117	18.0	0.07	21.3	0.08	49.4	0.08
-116	18.3	0.07	21.6	0.08	50.2	0.09
-115	18.6	0.07	22.0	0.09	51.0	0.09
-114	18.9	0.07	22.3	0.09	51.8	0.09
-113	19.1	0.07	22.7	0.09	52.7	0.10
-112	19.4	0.08	23.0	0.09	53.5	0.11
-111	19.7	0.08	23.4	0.09	54.4	0.11
-110	20.0	0.08	23.7	0.09	55.3	0.12
-109	20.3	0.08	24.1	0.10	56.2	0.12
-108	20.6	0.08	24.5	0.10	57.1	0.13
-107	21.0	0.08	24.9	0.10	58.0	0.13
-106	21.3	0.09	25.3	0.10	59.0	0.14
-105	21.6	0.09	25.7	0.11	59.9	0.15
-104	21.9	0.09	26.1	0.11	60.9	0.15
-103	22.3	0.09	26.6	0.11	61.9	0.16
-102	22.6	0.09	27.0	0.11	62.9	0.17
-101	23.0	0.10	27.4	0.11	63.9	0.18
-100	23.4	0.10	27.9	0.12	64.9	0.18
-99	23.7	0.10	28.3	0.12	66.0	0.19
-98	24.1	0.10	28.8	0.12	67.0	0.20
-97	24.5	0.10	29.3	0.12	68.1	0.21
-96	24.9	0.11	29.8	0.13	69.2	0.22
-95	25.3	0.11	30.3	0.13	70.3	0.23
-94	25.7	0.11	30.8	0.13	71.4	0.24
-93	26.1	0.11	31.3	0.14	72.6	0.25
-92	26.6	0.11	31.8	0.14	73.7	0.26
-91	27.0	0.12	32.4	0.14	74.9	0.27
-90	27.5	0.12	32.9	0.14	76.1	0.28
-89	27.9	0.12	33.5	0.15	77.2	0.29
-88	28.4	0.12	34.0	0.15	78.4	0.30
-87	28.9	0.13	34.6	0.15	79.6	0.31
-86	29.3	0.13	35.2	0.16	80.8	0.32
-85	29.8	0.13	35.8	0.16	82.1	0.33
-84	30.3	0.14	36.4	0.16	83.3	0.35
-83	30.8	0.14	37.0	0.17	84.5	0.36
-82	31.4	0.14	37.6	0.17	85.8	0.37
-81	31.9	0.15	38.2	0.17	87.0	0.38

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Table D-2 – Continued from previous page

Dist (feet)	Sections 10 & 11 (A) Magnetic Field Maximum (mG)	Sections 10 & 11 (A) Electric Field Resultant (kV/m)	Sections 10 & 11 (B) Magnetic Field Maximum (mG)	Sections 10 & 11 (B) Electric Field Resultant (kV/m)	Section 12 Magnetic Field Maximum (mG)	Section 12 Electric Field Resultant (kV/m)
-80	32.4	0.15	38.9	0.18	88.3	0.40
-79	33.0	0.15	39.5	0.18	89.5	0.41
-78	33.6	0.15	40.2	0.18	90.8	0.42
-77	34.1	0.16	40.9	0.19	92.0	0.44
-76	34.7	0.16	41.6	0.19	93.3	0.45
-75	35.3	0.16	42.2	0.20	94.5	0.46
-74	35.9	0.17	42.9	0.20	95.8	0.48
-73	36.5	0.17	43.7	0.20	97.0	0.49
-72	37.2	0.18	44.4	0.21	98.2	0.51
-71	37.8	0.18	45.1	0.21	99.4	0.52
-70	38.5	0.18	45.8	0.22	100.6	0.53
-69	39.1	0.19	46.6	0.22	101.8	0.55
-68	39.8	0.19	47.3	0.22	103.0	0.56
-67	40.5	0.19	48.0	0.23	104.2	0.58
-66	41.2	0.20	48.8	0.23	105.3	0.59
-65	41.9	0.20	49.6	0.23	106.4	0.60
-64	42.6	0.21	50.3	0.24	107.5	0.62
-63	43.3	0.21	51.1	0.24	108.6	0.63
-62	44.0	0.22	51.8	0.25	109.6	0.64
-61	44.8	0.22	52.6	0.25	110.7	0.65
-60	45.5	0.22	53.4	0.25	111.7	0.67
-59	46.3	0.23	54.1	0.26	112.6	0.68
-58	47.0	0.23	54.9	0.26	113.5	0.69
-57	47.8	0.24	55.7	0.26	114.4	0.70
-56	48.6	0.24	56.4	0.27	115.3	0.71
-55	49.4	0.25	57.2	0.27	116.1	0.72
-54	50.2	0.25	57.9	0.27	116.9	0.73
-53	51.0	0.26	58.7	0.28	117.6	0.74
-52	51.8	0.26	59.4	0.28	118.3	0.74
-51	52.6	0.26	60.1	0.28	118.9	0.75
-50	53.4	0.27	60.8	0.28	119.5	0.76
-49	54.2	0.27	61.5	0.29	120.1	0.76
-48	55.1	0.28	62.1	0.29	120.6	0.77
-47	55.9	0.28	62.8	0.29	121.0	0.77
-46	56.7	0.29	63.4	0.29	121.4	0.78
-45	57.5	0.29	64.0	0.29	121.8	0.78
-44	58.4	0.30	64.6	0.29	122.1	0.78
-43	59.2	0.30	65.2	0.30	122.4	0.78
-42	60.0	0.30	65.7	0.30	122.6	0.78
-41	60.8	0.31	66.2	0.30	122.8	0.78
-40	61.6	0.31	66.7	0.30	122.9	0.78
-39	62.4	0.31	67.1	0.30	122.9	0.78

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Table D-2 – Continued from previous page

Dist (feet)	Sections 10 & 11 (A) Magnetic Field Maximum (mG)	Sections 10 & 11 (A) Electric Field Resultant (kV/m)	Sections 10 & 11 (B) Magnetic Field Maximum (mG)	Sections 10 & 11 (B) Electric Field Resultant (kV/m)	Section 12 Magnetic Field Maximum (mG)	Section 12 Electric Field Resultant (kV/m)
-38	63.1	0.32	67.5	0.30	123.0	0.77
-37	63.9	0.32	67.9	0.30	122.9	0.77
-36	64.6	0.33	68.2	0.30	122.9	0.76
-35	65.4	0.33	68.5	0.30	122.7	0.76
-34	66.1	0.33	68.7	0.30	122.6	0.75
-33	66.8	0.33	68.9	0.30	122.3	0.74
-32	67.5	0.34	69.1	0.30	122.1	0.73
-31	68.1	0.34	69.2	0.30	121.8	0.73
-30	68.8	0.34	69.3	0.30	121.4	0.72
-29	69.4	0.34	69.3	0.30	121.0	0.70
-28	69.9	0.35	69.3	0.30	120.6	0.69
-27	70.5	0.35	69.2	0.30	120.1	0.68
-26	71.0	0.35	69.1	0.30	119.6	0.67
-25	71.5	0.35	69.0	0.30	119.1	0.66
-24	72.0	0.35	68.8	0.30	118.5	0.64
-23	72.4	0.35	68.5	0.30	117.9	0.63
-22	72.8	0.36	68.2	0.30	117.2	0.62
-21	73.2	0.36	67.9	0.30	116.6	0.60
-20	73.5	0.36	67.5	0.30	115.8	0.59
-19	73.8	0.36	67.0	0.30	115.1	0.57
-18	74.0	0.36	66.6	0.30	114.3	0.55
-17	74.3	0.36	66.0	0.30	113.6	0.54
-16	74.4	0.36	65.4	0.30	112.7	0.52
-15	74.6	0.36	64.8	0.30	111.9	0.51
-14	74.7	0.36	64.2	0.30	111.1	0.49
-13	74.8	0.37	63.5	0.30	110.2	0.47
-12	74.9	0.37	62.7	0.30	109.3	0.46
-11	74.9	0.37	62.0	0.30	108.4	0.44
-10	74.9	0.37	61.2	0.30	107.4	0.42
-9	74.9	0.37	60.3	0.30	106.5	0.41
-8	74.9	0.37	59.5	0.30	105.5	0.39
-7	74.8	0.37	58.6	0.30	104.6	0.37
-6	74.7	0.38	57.7	0.30	103.6	0.36
-5	74.7	0.38	56.7	0.30	102.6	0.34
-4	74.6	0.38	55.7	0.30	101.6	0.32
-3	74.5	0.38	54.8	0.30	100.6	0.31
-2	74.5	0.39	53.8	0.30	99.6	0.29
-1	74.4	0.39	52.8	0.29	98.5	0.27
0	74.4	0.39	51.8	0.29	97.5	0.26
1	74.4	0.40	50.7	0.29	96.5	0.24
2	74.4	0.40	49.7	0.29	95.4	0.23
3	74.5	0.41	48.7	0.29	94.4	0.21

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Table D-2 – Continued from previous page

Dist (feet)	Sections 10 & 11 (A) Magnetic Field Maximum (mG)	Sections 10 & 11 (A) Electric Field Resultant (kV/m)	Sections 10 & 11 (B) Magnetic Field Maximum (mG)	Sections 10 & 11 (B) Electric Field Resultant (kV/m)	Section 12 Magnetic Field Maximum (mG)	Section 12 Electric Field Resultant (kV/m)
4	74.6	0.41	47.7	0.29	93.3	0.20
5	74.8	0.42	46.8	0.29	92.3	0.19
6	75.0	0.42	45.8	0.29	91.2	0.17
7	75.3	0.43	44.9	0.29	90.2	0.16
8	75.7	0.43	44.0	0.29	89.1	0.15
9	76.1	0.44	43.2	0.29	88.1	0.13
10	76.6	0.44	42.4	0.29	87.0	0.12
11	77.3	0.45	41.7	0.29	86.0	0.11
12	78.0	0.46	41.1	0.29	85.0	0.10
13	78.8	0.46	40.6	0.30	83.9	0.09
14	79.7	0.47	40.2	0.30	82.9	0.08
15	80.7	0.48	39.9	0.30	81.8	0.07
16	81.8	0.48	39.7	0.31	80.8	0.06
17	83.1	0.49	39.6	0.31	79.8	0.05
18	84.4	0.49	39.7	0.32	78.7	0.04
19	85.8	0.50	39.9	0.32	77.7	0.03
20	87.3	0.50	40.3	0.33	76.7	0.03
21	88.8	0.51	40.8	0.34	75.7	0.03
22	90.5	0.51	41.6	0.34	74.6	0.03
23	92.1	0.52	42.4	0.35	73.6	0.03
24	93.9	0.52	43.5	0.36	72.6	0.04
25	95.7	0.52	44.7	0.37	71.6	0.04
26	97.4	0.53	46.0	0.38	70.6	0.05
27	99.2	0.53	47.5	0.39	69.6	0.05
28	101.0	0.53	49.2	0.39	68.7	0.06
29	102.8	0.54	50.9	0.40	67.7	0.07
30	104.5	0.54	52.8	0.41	66.7	0.07
31	106.1	0.54	54.8	0.42	65.7	0.08
32	107.7	0.54	56.9	0.43	64.8	0.08
33	109.2	0.55	59.1	0.44	63.8	0.09
34	110.6	0.55	61.4	0.44	62.9	0.09
35	111.9	0.55	63.7	0.45	62.0	0.10
36	113.0	0.56	66.1	0.46	61.0	0.10
37	114.0	0.56	68.4	0.46	60.1	0.10
38	114.9	0.57	70.9	0.47	59.2	0.11
39	115.6	0.57	73.3	0.47	58.3	0.11
40	116.1	0.58	75.7	0.48	57.4	0.11
41	116.5	0.58	78.0	0.48	56.5	0.12
42	116.7	0.59	80.3	0.49	55.7	0.12
43	116.7	0.59	82.6	0.49	54.8	0.12
44	116.5	0.59	84.8	0.50	53.9	0.12
45	116.1	0.59	86.9	0.50	53.1	0.13

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Table D-2 – Continued from previous page

Dist (feet)	Sections 10 & 11 (A) Magnetic Field Maximum (mG)	Sections 10 & 11 (A) Electric Field Resultant (kV/m)	Sections 10 & 11 (B) Magnetic Field Maximum (mG)	Sections 10 & 11 (B) Electric Field Resultant (kV/m)	Section 12 Magnetic Field Maximum (mG)	Section 12 Electric Field Resultant (kV/m)
46	115.6	0.59	88.8	0.51	52.3	0.13
47	114.9	0.59	90.7	0.51	51.4	0.13
48	114.1	0.59	92.5	0.52	50.6	0.13
49	113.1	0.59	94.1	0.53	49.8	0.13
50	111.9	0.59	95.5	0.53	49.0	0.13
51	110.7	0.58	96.8	0.54	48.2	0.14
52	109.2	0.57	97.9	0.55	47.5	0.14
53	107.7	0.57	98.9	0.55	46.7	0.14
54	106.1	0.56	99.7	0.56	45.9	0.14
55	104.4	0.55	100.3	0.56	45.2	0.14
56	102.6	0.54	100.7	0.57	44.5	0.14
57	100.7	0.52	100.9	0.57	43.8	0.14
58	98.8	0.51	101.0	0.57	43.0	0.14
59	96.8	0.50	100.9	0.57	42.3	0.14
60	94.8	0.48	100.6	0.57	41.7	0.14
61	92.7	0.47	100.2	0.57	41.0	0.14
62	90.6	0.45	99.6	0.57	40.3	0.14
63	88.6	0.44	98.8	0.57	39.7	0.14
64	86.5	0.42	98.0	0.56	39.0	0.14
65	84.4	0.41	96.9	0.56	38.4	0.14
66	82.3	0.39	95.8	0.55	37.8	0.14
67	80.2	0.38	94.6	0.54	37.2	0.14
68	78.2	0.36	93.2	0.53	36.6	0.14
69	76.2	0.35	91.8	0.52	36.0	0.13
70	74.2	0.33	90.3	0.51	35.4	0.13
71	72.2	0.32	88.7	0.49	34.8	0.13
72	70.3	0.30	87.1	0.48	34.3	0.13
73	68.4	0.29	85.4	0.47	33.7	0.13
74	66.6	0.28	83.7	0.45	33.2	0.13
75	64.7	0.26	82.0	0.44	32.7	0.13
76	63.0	0.25	80.2	0.42	32.1	0.13
77	61.2	0.24	78.5	0.41	31.6	0.13
78	59.6	0.23	76.7	0.39	31.1	0.13
79	57.9	0.22	74.9	0.38	30.6	0.12
80	56.3	0.21	73.1	0.36	30.2	0.12
81	54.8	0.20	71.3	0.35	29.7	0.12
82	53.2	0.19	69.6	0.33	29.2	0.12
83	51.8	0.18	67.9	0.32	28.8	0.12
84	50.4	0.17	66.1	0.30	28.3	0.12
85	49.0	0.16	64.4	0.29	27.9	0.12
86	47.6	0.15	62.8	0.28	27.5	0.12
87	46.3	0.14	61.1	0.26	27.0	0.11

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Table D-2 – Continued from previous page

Dist (feet)	Sections 10 & 11 (A) Magnetic Field Maximum (mG)	Sections 10 & 11 (A) Electric Field Resultant (kV/m)	Sections 10 & 11 (B) Magnetic Field Maximum (mG)	Sections 10 & 11 (B) Electric Field Resultant (kV/m)	Section 12 Magnetic Field Maximum (mG)	Section 12 Electric Field Resultant (kV/m)
88	45.1	0.13	59.5	0.25	26.6	0.11
89	43.8	0.13	58.0	0.24	26.2	0.11
90	42.7	0.12	56.4	0.23	25.8	0.11
91	41.5	0.11	54.9	0.22	25.4	0.11
92	40.4	0.11	53.5	0.21	25.1	0.11
93	39.3	0.10	52.0	0.20	24.7	0.11
94	38.3	0.10	50.6	0.19	24.3	0.11
95	37.3	0.09	49.3	0.18	24.0	0.10
96	36.3	0.09	47.9	0.17	23.6	0.10
97	35.4	0.08	46.7	0.16	23.3	0.10
98	34.4	0.08	45.4	0.15	22.9	0.10
99	33.6	0.07	44.2	0.14	22.6	0.10
100	32.7	0.07	43.0	0.13	22.3	0.10
101	31.9	0.07	41.9	0.13	22.0	0.10
102	31.1	0.06	40.7	0.12	21.6	0.10
103	30.3	0.06	39.7	0.11	21.3	0.09
104	29.6	0.06	38.6	0.11	21.0	0.09
105	28.8	0.05	37.6	0.10	20.7	0.09
106	28.1	0.05	36.6	0.10	20.5	0.09
107	27.5	0.05	35.7	0.09	20.2	0.09
108	26.8	0.05	34.7	0.09	19.9	0.09
109	26.2	0.04	33.8	0.08	19.6	0.09
110	25.5	0.04	33.0	0.08	19.4	0.09
111	24.9	0.04	32.1	0.07	19.1	0.09
112	24.4	0.04	31.3	0.07	18.8	0.08
113	23.8	0.03	30.5	0.07	18.6	0.08
114	23.3	0.03	29.7	0.06	18.3	0.08
115	22.7	0.03	29.0	0.06	18.1	0.08
116	22.2	0.03	28.3	0.06	17.9	0.08
117	21.7	0.03	27.6	0.05	17.6	0.08
118	21.3	0.03	26.9	0.05	17.4	0.08
119	20.8	0.03	26.2	0.05	17.2	0.08
120	20.4	0.03	25.6	0.04	16.9	0.08
121	19.9	0.02	25.0	0.04	16.7	0.07
122	19.5	0.02	24.4	0.04	16.5	0.07
123	19.1	0.02	23.8	0.04	16.3	0.07
124	18.7	0.02	23.3	0.04	16.1	0.07
125	18.3	0.02	22.7	0.03	15.9	0.07
126	17.9	0.02	22.2	0.03	15.7	0.07
127	17.6	0.02	21.7	0.03	15.5	0.07
128	17.2	0.02	21.2	0.03	15.3	0.07
129	16.9	0.02	20.7	0.03	15.1	0.07

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Table D-2 – Continued from previous page

Dist (feet)	Sections 10 & 11 (A) Magnetic Field Maximum (mG)	Sections 10 & 11 (A) Electric Field Resultant (kV/m)	Sections 10 & 11 (B) Magnetic Field Maximum (mG)	Sections 10 & 11 (B) Electric Field Resultant (kV/m)	Section 12 Magnetic Field Maximum (mG)	Section 12 Electric Field Resultant (kV/m)
130	16.5	0.02	20.2	0.03	14.9	0.07
131	16.2	0.02	19.8	0.03	14.8	0.07
132	15.9	0.02	19.4	0.03	14.6	0.07
133	15.6	0.02	18.9	0.02	14.4	0.06
134	15.3	0.02	18.5	0.02	14.2	0.06
135	15.0	0.01	18.1	0.02	14.1	0.06
136	14.7	0.01	17.7	0.02	13.9	0.06
137	14.5	0.01	17.4	0.02	13.7	0.06
138	14.2	0.01	17.0	0.02	13.6	0.06
139	14.0	0.01	16.6	0.02	13.4	0.06
140	13.7	0.01	16.3	0.02	13.3	0.06
141	13.5	0.01	16.0	0.02	13.1	0.06
142	13.2	0.01	15.6	0.02	13.0	0.06
143	13.0	0.01	15.3	0.02	12.8	0.06
144	12.8	0.01	15.0	0.02	12.7	0.06
145	12.6	0.01	14.7	0.02	12.5	0.06
146	12.3	0.01	14.4	0.02	12.4	0.05
147	12.1	0.01	14.2	0.02	12.3	0.05
148	11.9	0.01	13.9	0.02	12.1	0.05
149	11.7	0.01	13.6	0.02	12.0	0.05
150	11.5	0.01	13.4	0.02	11.9	0.05
151	11.4	0.01	13.1	0.02	11.7	0.05
152	11.2	0.01	12.9	0.01	11.6	0.05
153	11.0	0.01	12.6	0.01	11.5	0.05
154	10.8	0.01	12.4	0.01	11.4	0.05
155	10.7	0.01	12.2	0.01	11.2	0.05
156	10.5	0.01	12.0	0.01	11.1	0.05
157	10.3	<0.01	11.7	0.01	11.0	0.05
158	10.2	<0.01	11.5	0.01	10.9	0.05
159	10.0	<0.01	11.3	0.01	10.8	0.05
160	9.9	<0.01	11.1	0.01	10.7	0.05
161	9.7	<0.01	11.0	0.01	10.6	0.05
162	9.6	<0.01	10.8	0.01	10.4	0.05
163	9.5	<0.01	10.6	0.01	10.3	0.05
164	9.3	<0.01	10.4	0.01	10.2	0.04
165	9.2	<0.01	10.2	0.01	10.1	0.04
166	9.1	<0.01	10.1	0.01	10.0	0.04
167	8.9	<0.01	9.9	0.01	9.9	0.04
168	8.8	<0.01	9.7	0.01	9.8	0.04
169	8.7	<0.01	9.6	0.01	9.7	0.04
170	8.6	<0.01	9.4	0.01	9.6	0.04
171	8.4	<0.01	9.3	0.01	9.5	0.04

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Table D-2 – Continued from previous page

Dist (feet)	Sections 10 & 11 (A) Magnetic Field Maximum (mG)	Sections 10 & 11 (A) Electric Field Resultant (kV/m)	Sections 10 & 11 (B) Magnetic Field Maximum (mG)	Sections 10 & 11 (B) Electric Field Resultant (kV/m)	Section 12 Magnetic Field Maximum (mG)	Section 12 Electric Field Resultant (kV/m)
172	8.3	<0.01	9.1	0.01	9.5	0.04
173	8.2	<0.01	9.0	0.01	9.4	0.04
174	8.1	<0.01	8.9	0.01	9.3	0.04
175	8.0	<0.01	8.7	0.01	9.2	0.04
176	7.9	<0.01	8.6	0.01	9.1	0.04
177	7.8	<0.01	8.5	0.01	9.0	0.04
178	7.7	<0.01	8.3	0.01	8.9	0.04
179	7.6	<0.01	8.2	0.01	8.8	0.04
180	7.5	<0.01	8.1	0.01	8.8	0.04
181	7.4	<0.01	8.0	0.01	8.7	0.04
182	7.3	<0.01	7.9	0.01	8.6	0.04
183	7.2	<0.01	7.8	0.01	8.5	0.04
184	7.1	<0.01	7.7	0.01	8.4	0.04
185	7.1	<0.01	7.5	0.01	8.4	0.04
186	7.0	<0.01	7.4	0.01	8.3	0.04
187	6.9	<0.01	7.3	<0.01	8.2	0.03
188	6.8	<0.01	7.2	<0.01	8.1	0.03
189	6.7	<0.01	7.1	<0.01	8.1	0.03
190	6.7	<0.01	7.0	<0.01	8.0	0.03
191	6.6	<0.01	7.0	<0.01	7.9	0.03
192	6.5	<0.01	6.9	<0.01	7.9	0.03
193	6.4	<0.01	6.8	<0.01	7.8	0.03
194	6.4	<0.01	6.7	<0.01	7.7	0.03
195	6.3	<0.01	6.6	<0.01	7.6	0.03
196	6.2	<0.01	6.5	<0.01	7.6	0.03
197	6.1	<0.01	6.4	<0.01	7.5	0.03
198	6.1	<0.01	6.4	<0.01	7.5	0.03
199	6.0	<0.01	6.3	<0.01	7.4	0.03
200	5.9	<0.01	6.2	<0.01	7.3	0.03
201	5.9	<0.01	6.1	<0.01	7.3	0.03
202	5.8	<0.01	6.0	<0.01	7.2	0.03
203	5.8	<0.01	6.0	<0.01	7.1	0.03
204	5.7	<0.01	5.9	<0.01	7.1	0.03
205	5.6	<0.01	5.8	<0.01	7.0	0.03
206	5.6	<0.01	5.8	<0.01	7.0	0.03
207	5.5	<0.01	5.7	<0.01	6.9	0.03
208	5.5	<0.01	5.6	<0.01	6.9	0.03
209	5.4	<0.01	5.6	<0.01	6.8	0.03
210	5.3	<0.01	5.5	<0.01	6.7	0.03
211	5.3	<0.01	5.4	<0.01	6.7	0.03
212	5.2	<0.01	5.4	<0.01	6.6	0.03
213	5.2	<0.01	5.3	<0.01	6.6	0.03

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Table D-2 – Continued from previous page

Dist (feet)	Sections 10 & 11 (A) Magnetic Field Maximum (mG)	Sections 10 & 11 (A) Electric Field Resultant (kV/m)	Sections 10 & 11 (B) Magnetic Field Maximum (mG)	Sections 10 & 11 (B) Electric Field Resultant (kV/m)	Section 12 Magnetic Field Maximum (mG)	Section 12 Electric Field Resultant (kV/m)
214	5.1	<0.01	5.3	<0.01	6.5	0.03
215	5.1	<0.01	5.2	<0.01	6.5	0.03
216	5.0	<0.01	5.1	<0.01	6.4	0.03
217	5.0	<0.01	5.1	<0.01	6.4	0.03
218	4.9	<0.01	5.0	<0.01	6.3	0.03
219	4.9	<0.01	5.0	<0.01	6.3	0.03
220	4.8	<0.01	4.9	<0.01	6.2	0.03
221	4.8	<0.01	4.9	<0.01	6.2	0.03
222	4.8	<0.01	4.8	<0.01	6.1	0.03
223	4.7	<0.01	4.8	<0.01	6.1	0.02
224	4.7	<0.01	4.7	<0.01	6.0	0.02
225	4.6	<0.01	4.7	<0.01	6.0	0.02
226	4.6	<0.01	4.6	<0.01	5.9	0.02
227	4.5	<0.01	4.6	<0.01	5.9	0.02
228	4.5	<0.01	4.5	<0.01	5.9	0.02
229	4.5	<0.01	4.5	<0.01	5.8	0.02
230	4.4	<0.01	4.4	<0.01	5.8	0.02
231	4.4	<0.01	4.4	<0.01	5.7	0.02
232	4.3	<0.01	4.4	<0.01	5.7	0.02
233	4.3	<0.01	4.3	<0.01	5.6	0.02
234	4.3	<0.01	4.3	<0.01	5.6	0.02
235	4.2	<0.01	4.2	<0.01	5.6	0.02
236	4.2	<0.01	4.2	<0.01	5.5	0.02
237	4.1	<0.01	4.2	<0.01	5.5	0.02
238	4.1	<0.01	4.1	<0.01	5.4	0.02
239	4.1	<0.01	4.1	<0.01	5.4	0.02
240	4.0	<0.01	4.0	<0.01	5.4	0.02
241	4.0	<0.01	4.0	<0.01	5.3	0.02
242	4.0	<0.01	4.0	<0.01	5.3	0.02
243	3.9	<0.01	3.9	<0.01	5.2	0.02
244	3.9	<0.01	3.9	<0.01	5.2	0.02
245	3.9	<0.01	3.9	<0.01	5.2	0.02
246	3.8	<0.01	3.8	<0.01	5.1	0.02
247	3.8	<0.01	3.8	<0.01	5.1	0.02
248	3.8	<0.01	3.8	<0.01	5.1	0.02
249	3.7	<0.01	3.7	<0.01	5.0	0.02
250	3.7	<0.01	3.7	<0.01	5.0	0.02
251	3.7	<0.01	3.7	<0.01	5.0	0.02
252	3.7	<0.01	3.6	<0.01	4.9	0.02
253	3.6	<0.01	3.6	<0.01	4.9	0.02
254	3.6	<0.01	3.6	<0.01	4.9	0.02
255	3.6	<0.01	3.5	<0.01	4.8	0.02

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Table D-2 – Continued from previous page

Dist (feet)	Sections 10 & 11 (A) Magnetic Field Maximum (mG)	Sections 10 & 11 (A) Electric Field Resultant (kV/m)	Sections 10 & 11 (B) Magnetic Field Maximum (mG)	Sections 10 & 11 (B) Electric Field Resultant (kV/m)	Section 12 Magnetic Field Maximum (mG)	Section 12 Electric Field Resultant (kV/m)
256	3.5	<0.01	3.5	<0.01	4.8	0.02
257	3.5	<0.01	3.5	<0.01	4.8	0.02
258	3.5	<0.01	3.4	<0.01	4.7	0.02
259	3.5	<0.01	3.4	<0.01	4.7	0.02
260	3.4	<0.01	3.4	<0.01	4.7	0.02
261	3.4	<0.01	3.4	<0.01	4.6	0.02
262	3.4	<0.01	3.3	<0.01	4.6	0.02
263	3.4	<0.01	3.3	<0.01	4.6	0.02
264	3.3	<0.01	3.3	<0.01	4.5	0.02
265	3.3	<0.01	3.3	<0.01	4.5	0.02
266	3.3	<0.01	3.2	<0.01	4.5	0.02
267	3.3	<0.01	3.2	<0.01	4.5	0.02
268	3.2	<0.01	3.2	<0.01	4.4	0.02
269	3.2	<0.01	3.2	<0.01	4.4	0.02
270	3.2	<0.01	3.1	<0.01	4.4	0.02
271	3.2	<0.01	3.1	<0.01	4.3	0.02
272	3.1	<0.01	3.1	<0.01	4.3	0.02
273	3.1	<0.01	3.1	<0.01	4.3	0.02
274	3.1	<0.01	3.0	<0.01	4.3	0.02
275	3.1	<0.01	3.0	<0.01	4.2	0.02
276	3.0	<0.01	3.0	<0.01	4.2	0.02
277	3.0	<0.01	3.0	<0.01	4.2	0.02
278	3.0	<0.01	2.9	<0.01	4.2	0.02
279	3.0	<0.01	2.9	<0.01	4.1	0.02
280	3.0	<0.01	2.9	<0.01	4.1	0.02
281	2.9	<0.01	2.9	<0.01	4.1	0.02
282	2.9	<0.01	2.9	<0.01	4.0	0.02
283	2.9	<0.01	2.8	<0.01	4.0	0.02
284	2.9	<0.01	2.8	<0.01	4.0	0.02
285	2.9	<0.01	2.8	<0.01	4.0	0.02
286	2.8	<0.01	2.8	<0.01	3.9	0.02
287	2.8	<0.01	2.8	<0.01	3.9	0.02
288	2.8	<0.01	2.7	<0.01	3.9	0.02
289	2.8	<0.01	2.7	<0.01	3.9	0.02
290	2.8	<0.01	2.7	<0.01	3.9	0.01
291	2.7	<0.01	2.7	<0.01	3.8	0.01
292	2.7	<0.01	2.7	<0.01	3.8	0.01
293	2.7	<0.01	2.6	<0.01	3.8	0.01
294	2.7	<0.01	2.6	<0.01	3.8	0.01
295	2.7	<0.01	2.6	<0.01	3.7	0.01
296	2.6	<0.01	2.6	<0.01	3.7	0.01
297	2.6	<0.01	2.6	<0.01	3.7	0.01

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Table D-2 – Continued from previous page

Dist (feet)	Sections 10 & 11 (A) Magnetic Field Maximum (mG)	Sections 10 & 11 (A) Electric Field Resultant (kV/m)	Sections 10 & 11 (B) Magnetic Field Maximum (mG)	Sections 10 & 11 (B) Electric Field Resultant (kV/m)	Section 12 Magnetic Field Maximum (mG)	Section 12 Electric Field Resultant (kV/m)
298	2.6	<0.01	2.5	<0.01	3.7	0.01
299	2.6	<0.01	2.5	<0.01	3.7	0.01
300	2.6	<0.01	2.5	<0.01	3.6	0.01
301	2.6	<0.01	2.5	<0.01	3.6	0.01
302	2.5	<0.01	2.5	<0.01	3.6	0.01
303	2.5	<0.01	2.5	<0.01	3.6	0.01
304	2.5	<0.01	2.4	<0.01	3.5	0.01
305	2.5	<0.01	2.4	<0.01	3.5	0.01
306	2.5	<0.01	2.4	<0.01	3.5	0.01
307	2.5	<0.01	2.4	<0.01	3.5	0.01
308	2.4	<0.01	2.4	<0.01	3.5	0.01
309	2.4	<0.01	2.4	<0.01	3.4	0.01
310	2.4	<0.01	2.3	<0.01	3.4	0.01
311	2.4	<0.01	2.3	<0.01	3.4	0.01
312	2.4	<0.01	2.3	<0.01	3.4	0.01
313	2.4	<0.01	2.3	<0.01	3.4	0.01
314	2.4	<0.01	2.3	<0.01	3.3	0.01
315	2.3	<0.01	2.3	<0.01	3.3	0.01
316	2.3	<0.01	2.3	<0.01	3.3	0.01
317	2.3	<0.01	2.2	<0.01	3.3	0.01
318	2.3	<0.01	2.2	<0.01	3.3	0.01
319	2.3	<0.01	2.2	<0.01	3.3	0.01
320	2.3	<0.01	2.2	<0.01	3.2	0.01
321	2.3	<0.01	2.2	<0.01	3.2	0.01
322	2.2	<0.01	2.2	<0.01	3.2	0.01
323	2.2	<0.01	2.2	<0.01	3.2	0.01
324	2.2	<0.01	2.1	<0.01	3.2	0.01
325	2.2	<0.01	2.1	<0.01	3.2	0.01
326	2.2	<0.01	2.1	<0.01	3.1	0.01
327	2.2	<0.01	2.1	<0.01	3.1	0.01
328	2.2	<0.01	2.1	<0.01	3.1	0.01
329	2.1	<0.01	2.1	<0.01	3.1	0.01
330	2.1	<0.01	2.1	<0.01	3.1	0.01
331	2.1	<0.01	2.1	<0.01	3.1	0.01
332	2.1	<0.01	2.0	<0.01	3.0	0.01
333	2.1	<0.01	2.0	<0.01	3.0	0.01
334	2.1	<0.01	2.0	<0.01	3.0	0.01
335	2.1	<0.01	2.0	<0.01	3.0	0.01
336	2.1	<0.01	2.0	<0.01	3.0	0.01
337	2.0	<0.01	2.0	<0.01	3.0	0.01
338	2.0	<0.01	2.0	<0.01	2.9	0.01
339	2.0	<0.01	2.0	<0.01	2.9	0.01

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Table D-2 – Continued from previous page

Dist (feet)	Sections 10 & 11 (A) Magnetic Field Maximum (mG)	Sections 10 & 11 (A) Electric Field Resultant (kV/m)	Sections 10 & 11 (B) Magnetic Field Maximum (mG)	Sections 10 & 11 (B) Electric Field Resultant (kV/m)	Section 12 Magnetic Field Maximum (mG)	Section 12 Electric Field Resultant (kV/m)
340	2.0	<0.01	1.9	<0.01	2.9	0.01
341	2.0	<0.01	1.9	<0.01	2.9	0.01
342	2.0	<0.01	1.9	<0.01	2.9	0.01
343	2.0	<0.01	1.9	<0.01	2.9	0.01
344	2.0	<0.01	1.9	<0.01	2.8	0.01
345	2.0	<0.01	1.9	<0.01	2.8	0.01
346	1.9	<0.01	1.9	<0.01	2.8	0.01
347	1.9	<0.01	1.9	<0.01	2.8	0.01
348	1.9	<0.01	1.9	<0.01	2.8	0.01
349	1.9	<0.01	1.9	<0.01	2.8	0.01
350	1.9	<0.01	1.8	<0.01	2.8	0.01
351	1.9	<0.01	1.8	<0.01	2.7	0.01
352	1.9	<0.01	1.8	<0.01	2.7	0.01
353	1.9	<0.01	1.8	<0.01	2.7	0.01
354	1.9	<0.01	1.8	<0.01	2.7	0.01
355	1.8	<0.01	1.8	<0.01	2.7	0.01
356	1.8	<0.01	1.8	<0.01	2.7	0.01
357	1.8	<0.01	1.8	<0.01	2.7	<0.01
358	1.8	<0.01	1.8	<0.01	2.7	<0.01
359	1.8	<0.01	1.8	<0.01	2.6	<0.01
360	1.8	<0.01	1.7	<0.01	2.6	<0.01
361	1.8	<0.01	1.7	<0.01	2.6	<0.01
362	1.8	<0.01	1.7	<0.01	2.6	<0.01
363	1.8	<0.01	1.7	<0.01	2.6	<0.01
364	1.8	<0.01	1.7	<0.01	2.6	<0.01
365	1.8	<0.01	1.7	<0.01	2.6	<0.01
366	1.7	<0.01	1.7	<0.01	2.6	<0.01
367	1.7	<0.01	1.7	<0.01	2.5	<0.01
368	1.7	<0.01	1.7	<0.01	2.5	<0.01
369	1.7	<0.01	1.7	<0.01	2.5	<0.01
370	1.7	<0.01	1.6	<0.01	2.5	<0.01
371	1.7	<0.01	1.6	<0.01	2.5	<0.01
372	1.7	<0.01	1.6	<0.01	2.5	<0.01
373	1.7	<0.01	1.6	<0.01	2.5	<0.01
374	1.7	<0.01	1.6	<0.01	2.5	<0.01
375	1.7	<0.01	1.6	<0.01	2.4	<0.01
376	1.7	<0.01	1.6	<0.01	2.4	<0.01
377	1.6	<0.01	1.6	<0.01	2.4	<0.01
378	1.6	<0.01	1.6	<0.01	2.4	<0.01
379	1.6	<0.01	1.6	<0.01	2.4	<0.01
380	1.6	<0.01	1.6	<0.01	2.4	<0.01
381	1.6	<0.01	1.6	<0.01	2.4	<0.01

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Table D-2 – Continued from previous page

Dist (feet)	Sections 10 & 11 (A) Magnetic Field Maximum (mG)	Sections 10 & 11 (A) Electric Field Resultant (kV/m)	Sections 10 & 11 (B) Magnetic Field Maximum (mG)	Sections 10 & 11 (B) Electric Field Resultant (kV/m)	Section 12 Magnetic Field Maximum (mG)	Section 12 Electric Field Resultant (kV/m)
382	1.6	<0.01	1.5	<0.01	2.4	<0.01
383	1.6	<0.01	1.5	<0.01	2.4	<0.01
384	1.6	<0.01	1.5	<0.01	2.3	<0.01
385	1.6	<0.01	1.5	<0.01	2.3	<0.01
386	1.6	<0.01	1.5	<0.01	2.3	<0.01
387	1.6	<0.01	1.5	<0.01	2.3	<0.01
388	1.6	<0.01	1.5	<0.01	2.3	<0.01
389	1.5	<0.01	1.5	<0.01	2.3	<0.01
390	1.5	<0.01	1.5	<0.01	2.3	<0.01
391	1.5	<0.01	1.5	<0.01	2.3	<0.01
392	1.5	<0.01	1.5	<0.01	2.3	<0.01
393	1.5	<0.01	1.5	<0.01	2.2	<0.01
394	1.5	<0.01	1.5	<0.01	2.2	<0.01
395	1.5	<0.01	1.5	<0.01	2.2	<0.01
396	1.5	<0.01	1.4	<0.01	2.2	<0.01
397	1.5	<0.01	1.4	<0.01	2.2	<0.01
398	1.5	<0.01	1.4	<0.01	2.2	<0.01
399	1.5	<0.01	1.4	<0.01	2.2	<0.01
400	1.5	<0.01	1.4	<0.01	2.2	<0.01
401	1.5	<0.01	1.4	<0.01	2.2	<0.01
402	1.5	<0.01	1.4	<0.01	2.2	<0.01
403	1.4	<0.01	1.4	<0.01	2.1	<0.01
404	1.4	<0.01	1.4	<0.01	2.1	<0.01
405	1.4	<0.01	1.4	<0.01	2.1	<0.01
406	1.4	<0.01	1.4	<0.01	2.1	<0.01
407	1.4	<0.01	1.4	<0.01	2.1	<0.01
408	1.4	<0.01	1.4	<0.01	2.1	<0.01
409	1.4	<0.01	1.4	<0.01	2.1	<0.01
410	1.4	<0.01	1.3	<0.01	2.1	<0.01
411	1.4	<0.01	1.3	<0.01	2.1	<0.01
412	1.4	<0.01	1.3	<0.01	2.1	<0.01
413	1.4	<0.01	1.3	<0.01	2.1	<0.01
414	1.4	<0.01	1.3	<0.01	2.0	<0.01
415	1.4	<0.01	1.3	<0.01	2.0	<0.01
416	1.4	<0.01	1.3	<0.01	2.0	<0.01
417	1.4	<0.01	1.3	<0.01	2.0	<0.01
418	1.3	<0.01	1.3	<0.01	2.0	<0.01
419	1.3	<0.01	1.3	<0.01	2.0	<0.01
420	1.3	<0.01	1.3	<0.01	2.0	<0.01
421	1.3	<0.01	1.3	<0.01	2.0	<0.01
422	1.3	<0.01	1.3	<0.01	2.0	<0.01
423	1.3	<0.01	1.3	<0.01	2.0	<0.01

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Table D-2 – Continued from previous page

Dist (feet)	Sections 10 & 11 (A) Magnetic Field Maximum (mG)	Sections 10 & 11 (A) Electric Field Resultant (kV/m)	Sections 10 & 11 (B) Magnetic Field Maximum (mG)	Sections 10 & 11 (B) Electric Field Resultant (kV/m)	Section 12 Magnetic Field Maximum (mG)	Section 12 Electric Field Resultant (kV/m)
424	1.3	<0.01	1.3	<0.01	2.0	<0.01
425	1.3	<0.01	1.3	<0.01	1.9	<0.01
426	1.3	<0.01	1.3	<0.01	1.9	<0.01
427	1.3	<0.01	1.2	<0.01	1.9	<0.01
428	1.3	<0.01	1.2	<0.01	1.9	<0.01
429	1.3	<0.01	1.2	<0.01	1.9	<0.01
430	1.3	<0.01	1.2	<0.01	1.9	<0.01
431	1.3	<0.01	1.2	<0.01	1.9	<0.01
432	1.3	<0.01	1.2	<0.01	1.9	<0.01
433	1.3	<0.01	1.2	<0.01	1.9	<0.01
434	1.2	<0.01	1.2	<0.01	1.9	<0.01
435	1.2	<0.01	1.2	<0.01	1.9	<0.01
436	1.2	<0.01	1.2	<0.01	1.9	<0.01
437	1.2	<0.01	1.2	<0.01	1.9	<0.01
438	1.2	<0.01	1.2	<0.01	1.8	<0.01
439	1.2	<0.01	1.2	<0.01	1.8	<0.01
440	1.2	<0.01	1.2	<0.01	1.8	<0.01
441	1.2	<0.01	1.2	<0.01	1.8	<0.01
442	1.2	<0.01	1.2	<0.01	1.8	<0.01
443	1.2	<0.01	1.2	<0.01	1.8	<0.01
444	1.2	<0.01	1.2	<0.01	1.8	<0.01
445	1.2	<0.01	1.1	<0.01	1.8	<0.01
446	1.2	<0.01	1.1	<0.01	1.8	<0.01
447	1.2	<0.01	1.1	<0.01	1.8	<0.01
448	1.2	<0.01	1.1	<0.01	1.8	<0.01
449	1.2	<0.01	1.1	<0.01	1.8	<0.01
450	1.2	<0.01	1.1	<0.01	1.8	<0.01
451	1.2	<0.01	1.1	<0.01	1.7	<0.01
452	1.2	<0.01	1.1	<0.01	1.7	<0.01
453	1.1	<0.01	1.1	<0.01	1.7	<0.01
454	1.1	<0.01	1.1	<0.01	1.7	<0.01
455	1.1	<0.01	1.1	<0.01	1.7	<0.01
456	1.1	<0.01	1.1	<0.01	1.7	<0.01
457	1.1	<0.01	1.1	<0.01	1.7	<0.01
458	1.1	<0.01	1.1	<0.01	1.7	<0.01
459	1.1	<0.01	1.1	<0.01	1.7	<0.01
460	1.1	<0.01	1.1	<0.01	1.7	<0.01
461	1.1	<0.01	1.1	<0.01	1.7	<0.01
462	1.1	<0.01	1.1	<0.01	1.7	<0.01
463	1.1	<0.01	1.1	<0.01	1.7	<0.01
464	1.1	<0.01	1.1	<0.01	1.7	<0.01
465	1.1	<0.01	1.1	<0.01	1.7	<0.01

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Table D-2 – Continued from previous page

Dist (feet)	Sections 10 & 11 (A) Magnetic Field Maximum (mG)	Sections 10 & 11 (A) Electric Field Resultant (kV/m)	Sections 10 & 11 (B) Magnetic Field Maximum (mG)	Sections 10 & 11 (B) Electric Field Resultant (kV/m)	Section 12 Magnetic Field Maximum (mG)	Section 12 Electric Field Resultant (kV/m)
466	1.1	<0.01	1.1	<0.01	1.6	<0.01
467	1.1	<0.01	1.0	<0.01	1.6	<0.01
468	1.1	<0.01	1.0	<0.01	1.6	<0.01
469	1.1	<0.01	1.0	<0.01	1.6	<0.01
470	1.1	<0.01	1.0	<0.01	1.6	<0.01
471	1.1	<0.01	1.0	<0.01	1.6	<0.01
472	1.1	<0.01	1.0	<0.01	1.6	<0.01
473	1.1	<0.01	1.0	<0.01	1.6	<0.01
474	1.1	<0.01	1.0	<0.01	1.6	<0.01
475	1.0	<0.01	1.0	<0.01	1.6	<0.01
476	1.0	<0.01	1.0	<0.01	1.6	<0.01
477	1.0	<0.01	1.0	<0.01	1.6	<0.01
478	1.0	<0.01	1.0	<0.01	1.6	<0.01
479	1.0	<0.01	1.0	<0.01	1.6	<0.01
480	1.0	<0.01	1.0	<0.01	1.6	<0.01
481	1.0	<0.01	1.0	<0.01	1.6	<0.01
482	1.0	<0.01	1.0	<0.01	1.5	<0.01
483	1.0	<0.01	1.0	<0.01	1.5	<0.01
484	1.0	<0.01	1.0	<0.01	1.5	<0.01
485	1.0	<0.01	1.0	<0.01	1.5	<0.01
486	1.0	<0.01	1.0	<0.01	1.5	<0.01
487	1.0	<0.01	1.0	<0.01	1.5	<0.01
488	1.0	<0.01	1.0	<0.01	1.5	<0.01
489	1.0	<0.01	1.0	<0.01	1.5	<0.01
490	1.0	<0.01	1.0	<0.01	1.5	<0.01
491	1.0	<0.01	0.9	<0.01	1.5	<0.01
492	1.0	<0.01	0.9	<0.01	1.5	<0.01
493	1.0	<0.01	0.9	<0.01	1.5	<0.01
494	1.0	<0.01	0.9	<0.01	1.5	<0.01
495	1.0	<0.01	0.9	<0.01	1.5	<0.01
496	1.0	<0.01	0.9	<0.01	1.5	<0.01
497	1.0	<0.01	0.9	<0.01	1.5	<0.01
498	1.0	<0.01	0.9	<0.01	1.5	<0.01
499	1.0	<0.01	0.9	<0.01	1.5	<0.01
500	0.9	<0.01	0.9	<0.01	1.4	<0.01

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