

APPENDIX B

DESCRIPTION AND LOCATION OF PROJECT

A. Introduction

The project (“Project”) proposed by PSEG Long Island LLC on behalf of and as agent for the Long Island Power Authority f/k/a Long Island Lighting Company d/b/a LIPA (“Applicant”), called the “Syosset to Oakwood Project,” is summarized below and described in further detail in Exhibits 2, 5, E-1 and E-2 of the Application (respectively, Exhibits 2, 5, 10, and 11 of the Evidentiary Record).

B. Project Description

The Project is the Applicant’s proposed construction of (i) a new 138 kilovolt (“kV”) transmission line of approximately 2.8 miles (“Facility”) primarily underground and within municipal public roadway rights-of-way between the Applicant’s existing Woodbury Tap and Oakwood Substation, (ii) the installation of new riser and transmission poles at the Woodbury Tap (one on the north side of the Long Island Rail Road (“LIRR”) tracks and four on the south side of the tracks at Woodbury Terminal South), (iii) the installation of new facilities at the Oakwood Substation (described below), and (iv) modifications to portions of its existing lines 138-675 and 138-676 located between the Woodbury Tap and Oakwood Substation.

The Project requires the following alterations at the Oakwood Substation: (i) replacement of two existing bus supports with underground terminals to tie together existing Lines 138-675 and 138-676, and (ii) construction of a new overhead-to-underground transition for new Line 138-676, including installation of underground termination structures, a ground switch, a lightning mast, and an overhead takeoff structure.

C. Project Location

The proposed location of the Project, which is in the Town of Oyster Bay in Nassau County, and in the Town of Huntington in Suffolk County, is depicted on the aerial imagery maps included herewith as Appendix B-1 pages 1 thru 4. The proposed location of the Project has not changed as a result of Settlement, and thus the maps included with this Appendix B depict the same location of the proposed route as set forth in Exhibit 2 of the Application. The Project will primarily be located within the right-of-way of Woodbury Road, West Pulaski Road, Oakwood Road, and West 11th Street.

D. Specific Project Components

As further detailed in Exhibits 5 and E-1 of the Application (Exhibits 5 and 10 of the Evidentiary Record, respectively), the high voltage cable system components of the Facility include: (i) copper conductor measuring approximately 5 inches in diameter; (ii) cross-linked polyethylene

(“XLPE”) insulation; (iii) metallic shielding; (iv) moisture impervious sheath; and (v) linear low-density polyethylene (“LLDPE”) jacket. Each cable will be installed in a 10-inch standard diameter ratio (“SDR”) 11 HDPE conduit. In addition to these conduits, one 4-inch SDR11 HDPE conduit will be installed for the ground continuity conductor. The three power conduits will be arranged in a trefoil (triangular) configuration.

Overhead conductor will consist of a single 2300 thousands of circular mils, 61W, all-aluminum conductor (“AAC”), “Pigweed” with a non-specular finish. Details regarding overhead structures are included in Exhibit 5.

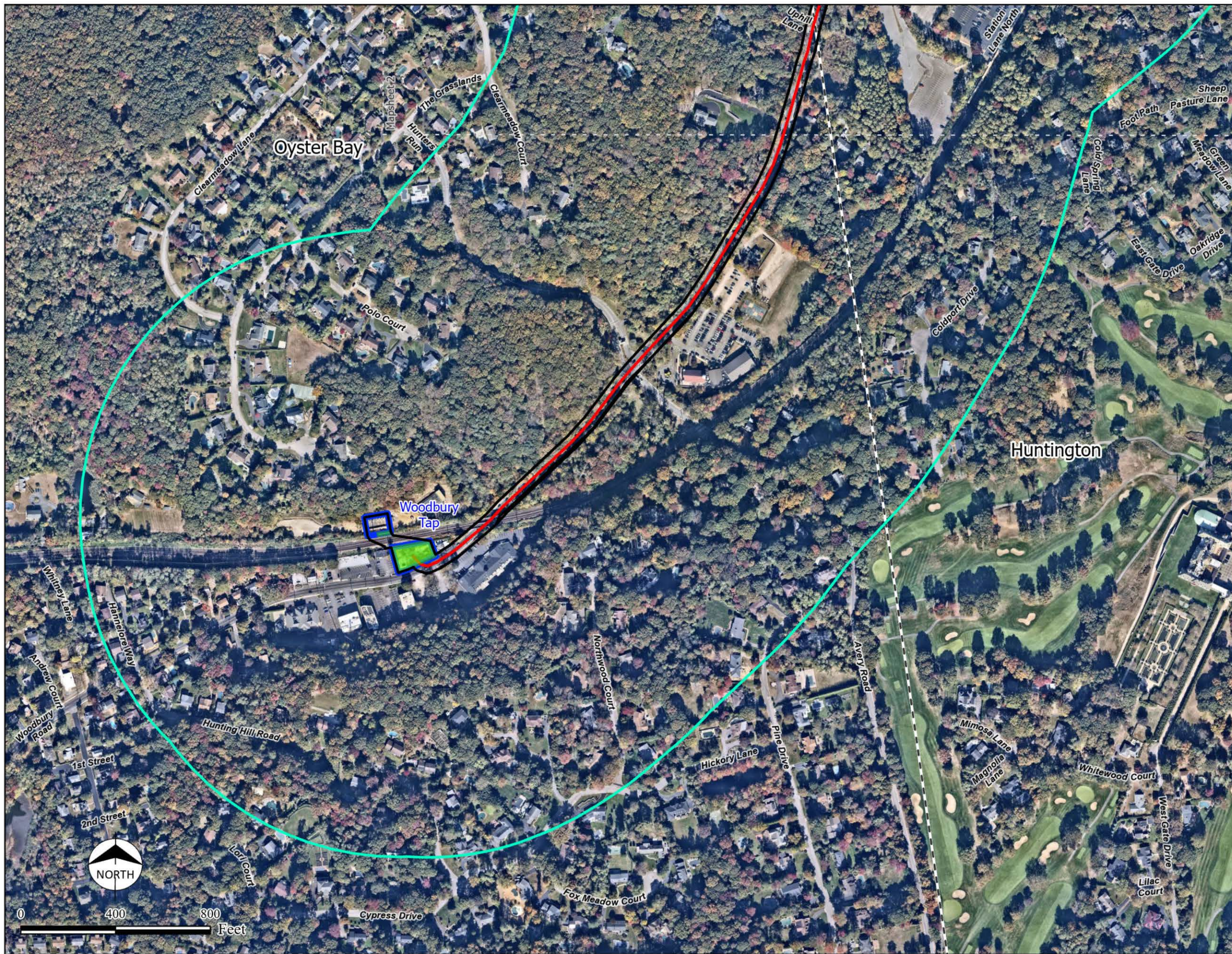
A combination of different construction methods will be used to install the conduits. The Project will primarily use open-cut trench excavation methods. However, a trenchless (auger bore) method may be utilized at one LIRR at-grade crossing into the Oakwood Substation. Splice vaults, which serve to install and connect successive lengths of cable, will be installed at approximate intervals of 2,000 to 2,500 feet along the underground route.

E. Supplemental Right-of-Way Information

The Applicant owns in fee the parcels where the Project will be located at the Woodbury Tap and the Oakwood Substation, and has statutory and municipal franchise rights which allow it to install permanent electric facilities in roadways along the proposed route of the Facility. The Applicant will require a new permanent easement over private land to enter the Oakwood Substation from the north.

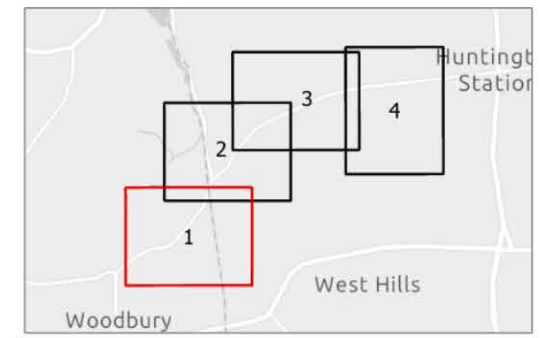
Locations for temporary construction, including construction laydown and storage yards, as well as the property rights needed to do so, will be identified as part of the final engineering and design effort and described in the Environmental Management and Construction Plan (“EM&CP”). The EM&CP will show any temporary and/or permanent access requirements and tree clearing rights required for the Project.

Appendix B-1



- LEGEND**
- Proposed Route
 - Proposed Area of Disturbance
 - 1,200 Foot Buffer of Proposed Area of Disturbance
 - Approximate Permanent Vegetation Clearing
 - Parcel
 - Town/Village Boundary
 - Mapsheet Matchline

Sources:
 1. Project details prepared by Burns & McDonnell, January 2025
 2. NYS GIS Data Clearinghouse
 3. Nearmap US Vertical Imagery - acquired October 20, 2024



PROJECT TITLE

PSEG | LONG ISLAND

Syosset to Oakwood Project

SHEET TITLE

Appendix B-1
 Project ROW and Approximate Centerline
 Page 1 of 4
 SCALE 1" = 400' (Printed on 11"x17")

DATE 07/18/2025

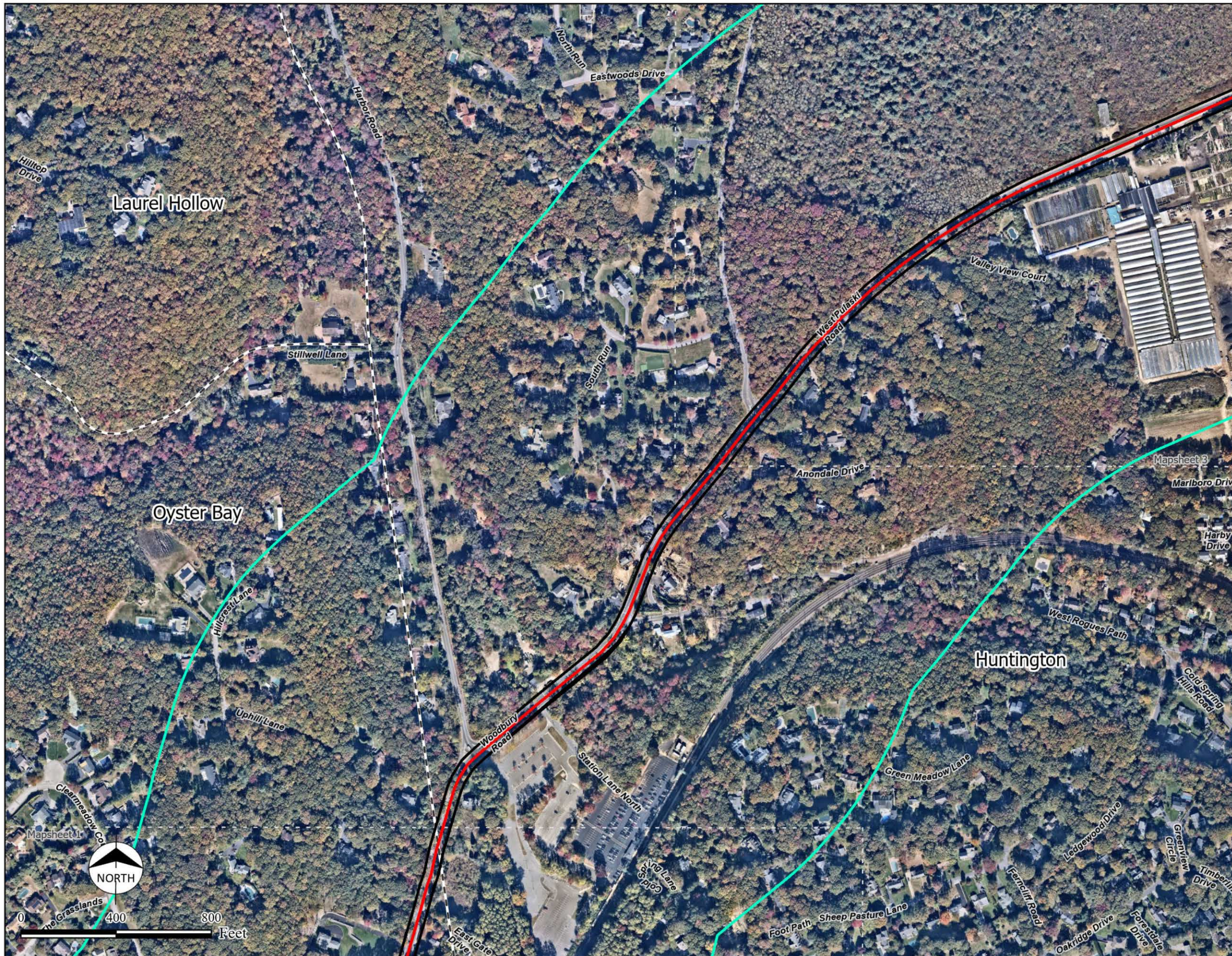
DRN. BY CR/MK

CHK. BY SH

FIGURE NO. 2-3



PRELIMINARY - NOT FOR CONSTRUCTION



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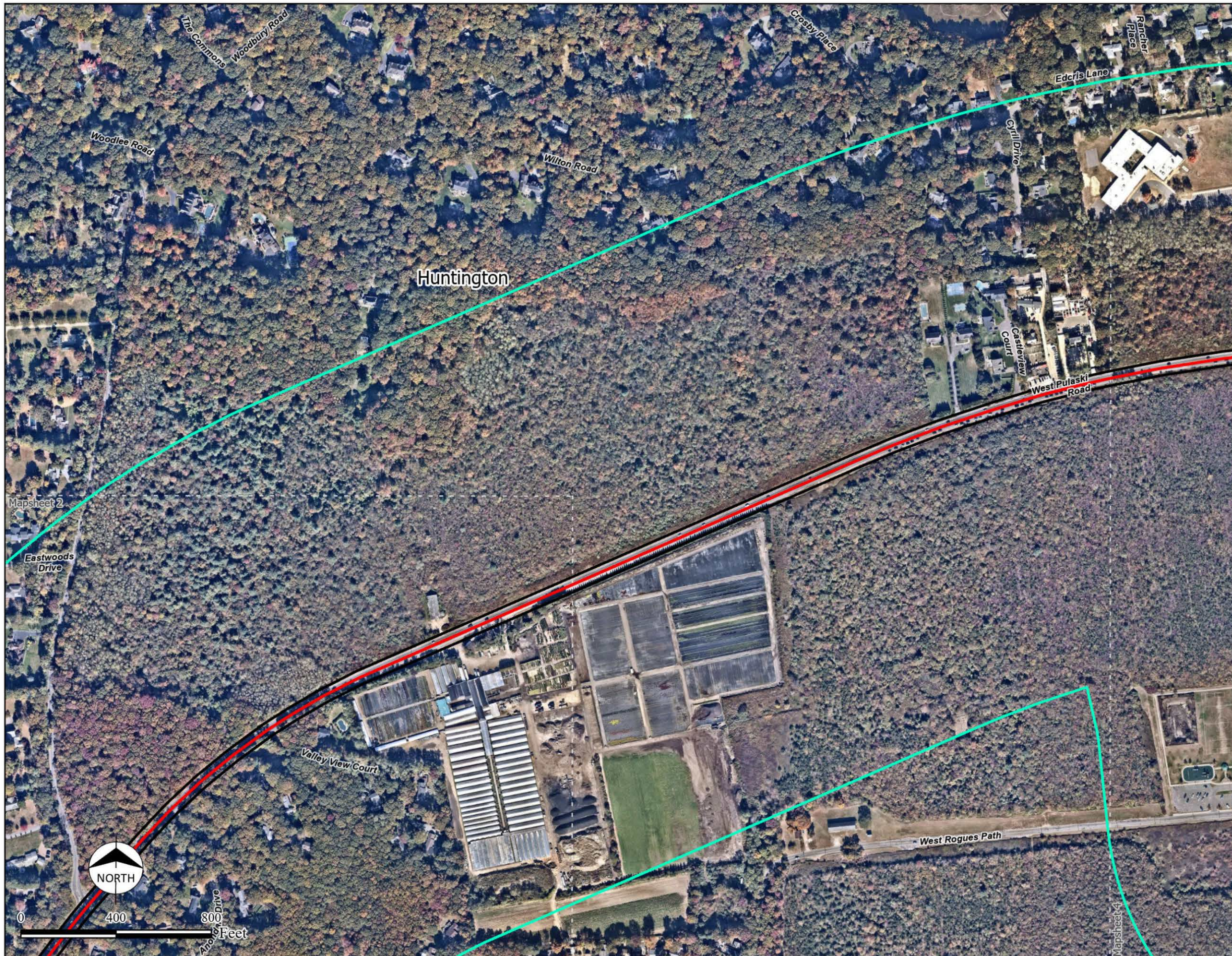
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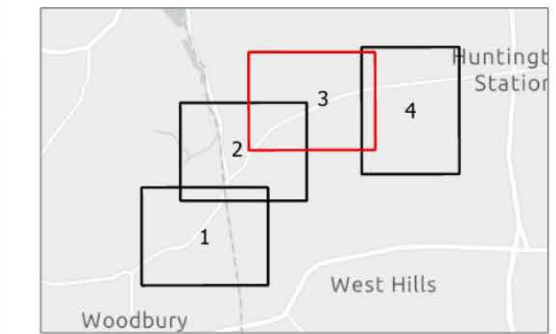
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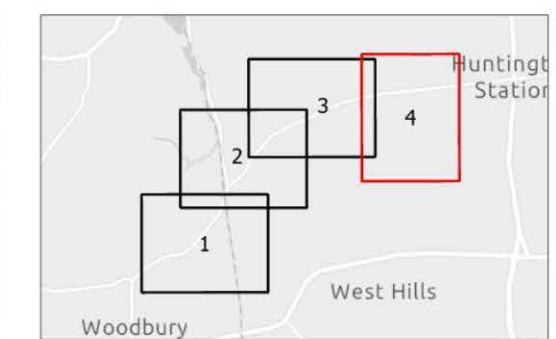


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FIGURE NO. 2-3



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