Interim Remedial Measure (IRM) for Limited Remedial Investigation (LRI)/Limited Remedial Action (LRA)

Runway 16/34 Shoulder and Edge Lighting Rehabilitation Project

Westchester County Airport

Site No. C360174

West Harrison, New York

August 29, 2025 | Terracon Project No. JA257006

Prepared for:

County of Westchester
148 Martine Avenue
White Plains, New York 10601

Prepared by:

Terracon Consultants-NY, Inc.
Rochester, New York

Terracon

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- Facilities
- Environmental
- Geotechnical
- Materials

CERTIFICATION

I, Lucas Alberto Barroso-Giachetti, P.E., certify that I am currently a NYS registered professional engineer and that this Interim Remedial Measure Work Plan was prepared in accordance with applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and Green Remediation (DER-31).

_____

Lucas Alberto Barroso-Giachetti, P.E.
New York Registration Number: 111815

8/29/2025

_____
Date

I, Michele Patterson-Wittman, certify that I am currently a Qualified Environmental Professional as in defined in 6 NYCRR Part 375 and that this Interim Remedial Measure Work Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and Green Remediation (DER-31).

_____
Michele Patterson-Wittman
P.G. No. 1776

8/29/2025

_____
Date

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1.0 PROJECT BACKGROUND

Terracon Consultants – NY, Inc. (Terracon) has prepared this Interim Remedial Measure (IRM) Work Plan for Limited Remedial Investigation (LRI)/Limited Remedial Action (LRA) Work Plan (IRM-Runway WP) for the proposed Runway 16/34 Shoulder and Edge Lighting Rehabilitation Project (Runway Project) located within the Westchester County Airport (the "Airport" or "Site"). The Site is currently in the New York State (NYS) Brownfield Cleanup Program (BCP) as Site No. C360174, which is administered by New York State Department of Environmental Conservation (NYSDEC or Department). Therefore, this IRM-Runway WP will be implemented in accordance with the Interim Site Management Plan (ISMP) for the Site, which is approved by the New York State Department of Environment Conservation (NYSDEC).

The Site is located at 240 Airport Road in West Harrison, Westchester County, New York (**Exhibit 1 in Appendix A**). The Project work areas identified for construction activities are located along the entire runway area, as shown on **Exhibit 2**.

The Airport Runway Project generally includes construction of new paved shoulders for Runway 16/34 in place of existing turf shoulders. Taxiway H will have asphalt and lighting removed. The Federal Aviation Administration (FAA) recommends installation of 20-foot-wide paved runway shoulders to enhance safety areas and eliminate erosion caused by jet blast. The Runway Project will also include replacement of runway end blast pads and rehabilitation of the existing in-pavement edge light on the runway.

Terracon understands that the approximate 20-foot widening will be improved with sub-base material and paved, thereby extending both shoulder areas along the existing Runway 16/34. The Bid Documents for the Project provided by the Airport providing further detail on the construction scope of work are included in **Appendix B**.

Based on the known and/or suspected contamination in soils within the Runway Project limits, the purpose of this Work Plan is to evaluate soils within the Runway Project limits that will be excavated, managed and/or potentially beneficially reused on other portions of the Airport through an LRI.

The Work Plan also includes an LRA approach that will focus on soil management strategies for these excavated soils during construction activities, which may include onsite reuse and/or disposal at a licensed solid waste facility, if warranted based on the analytical results and guidance from NYSDEC and the Airport.

1.1 Site Description and History

The Site is located in a mixed-use area of commercial and residential parcels. The location of the Site is illustrated on the United States Geological Survey (USGS) 7.5-minute Quadrangle (Glenville NY Topographic Quadrangle, 1967, Photo revised 1981) Map provided as **Exhibit 1**. The Site is approximately 700 acres, with about a third of the Airport located in the Kenisco watershed, as shown on **Exhibit 2**.

The topography at the Airport is generally flat and slopes gently to the south. Rye Lake is part of the Kensico Reservoir that contributes to the drinking supply for New York City. The west adjoining area is comprised primarily of woodlands and includes Route 120 and Interstate 684 beyond which is Rye Lake.

The New York Air National Guard (NYANG) was a tenant at the Airport from 1947 to 1983. As part of its operations, the NYANG performed aircraft firefighting training operations on a regular basis. These firefighting exercises and training activities were performed at a "Burn Pit" that was located near the NYANG's former hangar (hereafter referred to as the "NYANG Burn Pit") on County property adjacent to the NYANG's leasehold.

The NYANG conducted these exercises from as early as 1968 until 1983 when they vacated the Airport. The NYANG, as part of its firefighting exercises, used Aqueous Film-Forming Foam (AFFF), which historically contained compounds referred to as per- and polyfluoroalkyl substances (PFAS).

1.2 Conditions Warranting Remedial Investigation

The proposed construction activities are located generally south of the NYANG Burn Pit. Based on a review of the most recent site-wide environmental investigation during 2020 and the most recent semi-annual groundwater monitoring reports, Terracon understands that PFAS impacts in soils and groundwater extend beyond the limits of the NYANG Burn Pit, including extending southward towards the Runway Project limits. Terracon notes that previous investigations did not evaluate the soils within the Runway Project limits that will be excavated and removed for backfilling with the appropriate sub-base materials.

In accordance with the approved ISMP, the proposed construction activities must be conducted in accordance with the best practices and management plans outlined in the ISMP, including the Excavation Work Plan.

1.3 LRI/LRA Work Plan Objectives

This IRM-Runway WP proposes evaluating environmental quality in the soils that will be excavated and managed by the Project contractors during earthwork activities.

This Work Plan is intended to:

- Provide important environmental data in historically unassessed areas of the Airport related to PFAS and other Airport contaminants of concern (COCs) including volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) and others.
- Conduct a Beneficial Use Determination (BUD) prior to disturbance or excavation in order to identify the most suitable soil management approaches for the Runway Project soils, which would normally be intended for beneficial reuse within the limits of the Airport.
- Provide relevant environmental quality data in soils for worker exposure considerations and health and safety plan (HASP) preparation.

Based on Terracon's review of the Bid Documents in **Appendix B**, we understand that the approximate volume of excess soils from the Work Areas is estimated at 11,000 cubic yards (CY). The Earthwork Summary for each Work Area estimates the following excess soils or "material surplus" generated during earthwork activities:

- Work Area 1 – 5,700 CY
- Work Area 2 – 710 CY
- Work Area 3 – 3,150 CY
- Work Area 4 – 1,400 CY
- Work Area 5 – Soil disturbance is not proposed in this area.

Based on the above anticipated excess soils generated during construction, the majority of the soils will be generated from Work Areas 1 and 3 with nearly 9,000 CY of excess material being sources from these two Project areas. As noted above, no excess material is being generated (soils will not be removed) based on the proposed construction activity in Work Area 5 (Taxiway H).

1.4 Regulatory Criteria

NYSDEC has applicable standards, criteria and guidance (SCG) values that will be used for this project. These goals are applicable when considering remedial alternatives. For purposes of the LRI/LRA, the following SCGs will be utilized:

- 6 NYCRR Part 375-3 Brownfield Cleanup Program dated December 14, 2006.
- NYSDEC Policy CP-51/Soil Cleanup Guidance dated October 21, 2010.
- NYSDEC "DER-10 Technical guidance for Investigation and Remediation", dated May 2010 (Final DER-10).

Soil samples will be collected in general accordance with NYSDEC and United States Environmental Protection Agency (USEPA or EPA) sample collection and handling methodologies. Samples selected for laboratory analysis will be submitted to a NYS Department of Health (DOH) Environmental Laboratory Accreditation Program (ELAP) Contract Laboratory Protocol (CLP) certified laboratory.

In addition, soil samples for PFAS analysis will be collected in general accordance with NYSDEC's guidance document titled *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl substances (PFAS)* dated April 2023.

2.0 LIMITED REMEDIAL INVESTIGATION SCOPE OF WORK

The following sections provide Terracon's approach to investigate the environmental quality of the surficial soils located within the shoulder areas of Runway 16/34.

2.1 Field Investigation Activities

Terracon and our drilling subcontractors will contact Dig Safely New York, a minimum of three business days prior to the commencement of the field work. In addition, Terracon will complete a private utility to mark/clear identifiable utilities in the Work Areas, and to clear the proposed drilling locations. Terracon's proposed field procedures are summarized below:

- Discrete soil samples will be collected utilizing a direct push drilling rig. Eight soil borings will be advanced to an approximate depth of 4-feet bgs, with six soil borings being advanced to the groundwater interface, for a total of 14 borings **(Exhibit 3)**.

- Soil samples will be field screened with a calibrated organic vapor meter (OVM) equipped with a photoionization detector (PID).
- OVM results and soil descriptions will be recorded in the field. Soil boring logs will be included in the technical report, or presented during our Monthly Status Reports at NYSDEC's request.
- Samples will be collected in accordance with the approved ISMP for the Site.

As included in the approved ISMP, when sampling for PFAS, sampling equipment components and sample containers should not come in contact with aluminum foil, low density polyethylene (LDPE), glass or polytetrafluoroethylene (PTFE, Teflon™) materials including sample bottle cap liners with a PTFE layer. Standard two-step decontamination using detergent and clean water rinse will be performed for equipment that does come in contact with perfluorinated chemical (PFC) materials. Clothing that contains PTFE material (including GORE-TEX®) or that have been waterproofed with PFC materials will be avoided. Many food and drink packaging materials and "plumbers thread seal tape" contain PFCs.

Clothing worn by sampling personnel must have been laundered multiple times. The sampler must wear nitrile gloves while filling and sealing the sample bottles.

Pre-cleaned sample bottles, coolers, ice, sample labels and a chain-of-custody form will be provided by the laboratory.

2.2 Field Specific Quality Assurance/Quality Control Sampling

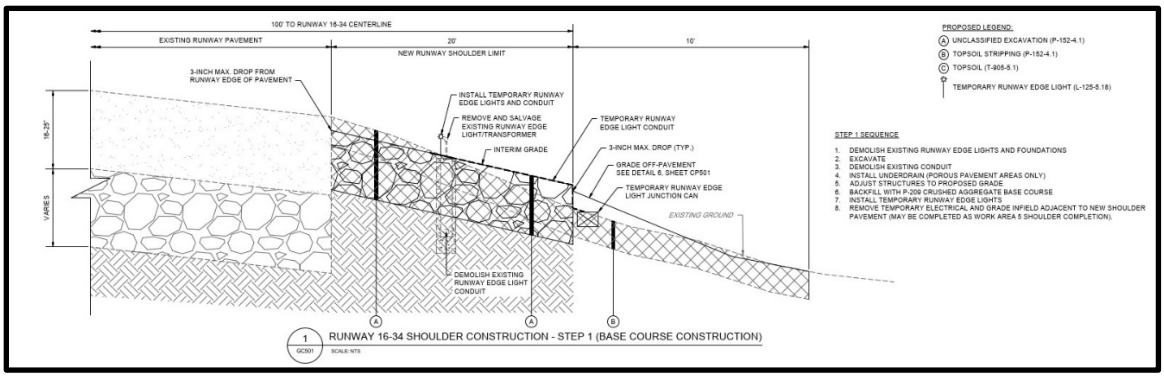
Field-specific quality assurance/quality control (QA/QC) samples will be collected and analyzed to support third-party data usability and the assessment effort. Site-specific QA/QC samples included in this IRM Work Plan are as follows:

- Trip Blanks – One sample per day for VOCs.
- Blank Duplicate – One sample per day for both discrete and composite soil samples.
- Matrix spike/matrix spike duplicate (MS/MSD) – One sample per day.
- Rinsate Blank for PFAS – One sample per day.

2.3 Planned Soil Management for Shoulder Excavation Areas

Based on Terracon's review of the Project Bid Documents, we understand that soils located within the existing shoulder areas will be managed as follows:

- The approximately 4 inches to 6 inches of topsoil below ground surface (bgs) will be removed from the approximately 20-foot unpaved shoulder area for potential beneficial reuse within the Runway Project limits or other locations approved by the Airport and NYSDEC. Please see detail from the Bid Documents below.
- The remainder of the soils estimated from approximately 6 inches to 24 inches bgs will be excavated and staged in the designated soil staging areas for Work Areas 1 through 3. Terracon understands that the existing pavement in Work Area 4 will be removed and excavated. Please see detail below from the Runway Project Bid Documents for reference.



Bid Document Detail No. 1: Shoulder construction cross-section showing topsoil and soil excavation areas and approximate depths.

Terracon understands that based on the PFAS concentrations reported in either of the topsoil or 6-inch to 24-inch soil layers, beneficial reuse within the Airport limits may not be allowed by NYSDEC.

2.4 Soil Sampling and Analysis

Based on the proposed Work Areas and the estimated soil volumes that will be excavated from the Project limits, Terracon will evaluate the soil analytical results in comparison to the SCOs including PFOA and PFOS concentrations.

Discrete and composite samples are proposed to (1) evaluate the environmental quality of the soils as part of the LRI and (2) in support of the Project soil management BUD approach including onsite beneficial reuse or disposal at a licensed solid waste facility. Based on the Bid Documents provided in **Appendix B**, Terracon estimates that approximately nine acres or 396,000 square feet (SF) will be disturbed during construction activities.

Remedial Investigation Soil Borings – Discrete Soil Samples

Terracon proposes collecting discrete soil samples as follows:

- Soil samples will be collected at each soil boring from the topsoil layer (0-2 inches), and from the 2 inches to 12 inches bgs that will be scraped and segregated for intended beneficial reuse (pending the analytical results and NYSDEC approval).
- From the underlying soils from 12 inches to 24 inches bgs that will be excavated and segregated for intended beneficial reuse (pending the analytical results and NYSDEC approval).
- Discrete soil samples from these three depth intervals will be analyzed for PFAS by EPA Method 1633.

As requested by NYSDEC, Terracon will analyze one soil sample from each of the soil borings being advanced to the groundwater interface. Based on the proposed LRI, Terracon will advance a total of 14 soil borings within the Work Areas and collect a total of 42 discrete/grab soil samples as shown on **Exhibit 3 and Exhibits 4-1 through 4-5**. Based on the above, Terracon will have a full suite analysis for six (6) soil samples for the following expanded COCs list as noted in the table below:

- Target Compound List (TCL) VOCs by EPA Method 8260.
- TCL SVOCs by EPA Method 8270.
- Target Analyte List (TAL) Metals (arsenic, barium, beryllium, cadmium, hexavalent and trivalent chromium, copper, total cyanide, lead, manganese, total mercury, nickel, selenium, silver and zinc) by EPA Methods 6000/7000.
- Polychlorinated Biphenyls (PCBs) by EPA Method 8082.
- Pesticides by EPA Method 8081.
- Herbicides by EPA Method 8151.

The full suite analysis soil samples will be collected from the soil borings being advanced to the groundwater interface. The samples will either be collected from the interval demonstrating the highest field evidence of impacts, or 12 inches above groundwater interface where encountered. Soil borings will not be extended to depths greater than 12 feet below ground surface.

Six of the soil borings will be advanced to the groundwater interface to collect a soil sample from 12 inches above the interface for potential PFAS analysis. The PFAS

samples will be placed on hold, pending results from the shallow samples of the proposed soil boring. Soil borings will be terminated at 12 feet below ground surface if groundwater is not encountered.

BUD – Composite Samples

For each Work Area and as part of the BUD, Terracon will advance three soil borings per acre and will generate a composite sample that will characterize that volume of excavated soils from that portion of the Work Area.

Soil borings will be advanced to approximately 2-feet bgs within approximately 500 feet of the remedial investigation soil borings shown on **Exhibit 3**. Soil from three to five random discrete locations will be composited for analysis to characterize the soils slated for excavation, staging and potential beneficial reuse.

Each composite soil sample will be analyzed for PFAS, TCL SVOCs, TAL metals, PCBs, pesticides and herbicides per the EPA Methods noted above. Grab samples for VOC analysis will be collected separately. The following table provides a summary of the proposed analysis for each interval.

Table 1 – Summary of LRI and BUD Soil Samples and Analysis

Work Area (Soil Boring IDs)	Soil Disturbance Shoulder Area in Acres	Proposed LRI Soil Borings/ Discrete Grab Samples	Proposed BUD Composite Samples
1 (SB-1 through SB-8)	6.14	8 soil borings/24 samples 4 soil samples for full suite analysis	8 (COMP-1 through COMP-8)
2 (SB-9)	0.5	1 soil boring/3 samples 1 soil sample for full suite analysis	1 (COMP-9)
3 (SB-10 through SB-12)	2.4	3 soil borings/9 samples 2 soil samples for full suite analysis	3 (COMP-10 through COMP-12)

4 (SB-13 and SB-14)	Not Applicable	2 soil borings/6 samples 1 soil sample for full suite analysis	2 (COMP-13 and COMP-14)

The analytical data will be compared to the SCOs and NYSDEC Protection of Groundwater Guidance values for PFAS:

- PFOA - 0.8 parts per billion (ppb) or micrograms per kilogram (µg/kg).
- PFOS – 1.0 ppb or µg/kg.

If the PFAS concentrations do not restrict the potential for beneficial reuse within the Runway Project or Airport limits based NYSDEC review of the analytical results, the composite sample analytical results will be evaluated with NYSDEC to determine the appropriate soil management approach for the Project soils.

2.5 Investigation-Derived Waste Management

Excess soil cuttings that cannot be replaced into the borehole will be containerized in 55-gallon drums. Based on analytical testing results, the containerized excess soil may be utilized within the Airport, or disposed offsite.

2.6 Reporting to NYSDEC

Terracon will communicate with NYSDEC and the Airport on the desired project communication schedule upon approval of the Workplan herein, including providing the results of this LRI/LRA effort in our monthly updates to NYSDEC.

Terracon will compare the soil analytical results to the SCOs (and guidance values for PFAS) to evaluate the appropriate soil management options for the Runway Project soils.

Terracon will discuss the soil analytical results with the Airport and NYSDEC to determine the appropriate soil management options for the Project that are in compliance with the Site's BCP requirements. As noted above, approval for on-site reuse will be requested from the NYSDEC Project Manager.

At the conclusion of the project including final re-use and/or disposal of generated soils, Terracon will prepare an IRM Completion Report summarizing the field activities, analytical laboratory results and soil management documentation. Terracon will interface with NYSDEC and the Airport on the desired project communication schedule upon approval of the IRM Workplan herein.

2.7 Health and Safety / Community Air Monitoring Plan (CAMP)

Terracon is committed to the safety of all its employees. As such, and in accordance with our *Incident and Injury Free (IIF)*® safety goals, Terracon will conduct fieldwork under a site-specific HASP, which is included in the approved ISMP. To safeguard and protect workers and the community, air monitoring as described in the CAMP in the approved ISMP will be performed during the ground-intrusive activities described in **Section 2.4** of this IRM Work Plan, and during subsequent soil loading/hauling activities for either on-site reuse or off-site beneficial reuse/disposal.

3.0 LIMITED REMEDIAL ACTION

The LRA for soils generated from the Project area will include the following:

- Soils that are deemed suitable for Runway Project or Site reuse by NYSDEC will remain within the limits of the Airport.
- Soils that are identified as not suitable for Runway Project or Site reuse by NYSDEC will be temporarily staged within the Runway Project limits (or alternate location approved by NYSDEC) pending disposal at a licensed solid waste facility.

4.0 QUALITY ASSURANCE PROJECT PLAN (QAPP)

Pursuant to NYSDEC guidance and the Site's approved ISMP, the Work Plan includes quality assurance procedures to be followed for sampling and analysis. QA/QC procedures required by the NYSDEC for the Site are documented in the Quality Assurance Project Plan (QAPP). The QAPP is included in the approved ISMP.

5.0 SCHEDULE

Terracon and its subcontractor team are prepared to mobilize to the Site upon receipt of NYSDEC approval of this IRM Work Plan. The anticipated schedule is presented below.

Date	IRM Work Plan Task
August 2025	Submit IRM Work Plan to NYSDEC

September/October 2025	IRM Work Plan approval by NYSDEC
October 2025	Mobilize for soil sample collection
October/November 2025	Receive analytical results and interface with NYSDEC
November/December 2025	IRM Completion Report

6.0 STANDARD OF CARE

Terracon's services will be performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time. Terracon makes no warranties, either express or implied, regarding the findings, conclusions, or recommendations from the work. Please note that Terracon does not warrant the work of laboratories, regulatory agencies, or other third parties supplying information used in the preparation of the report.

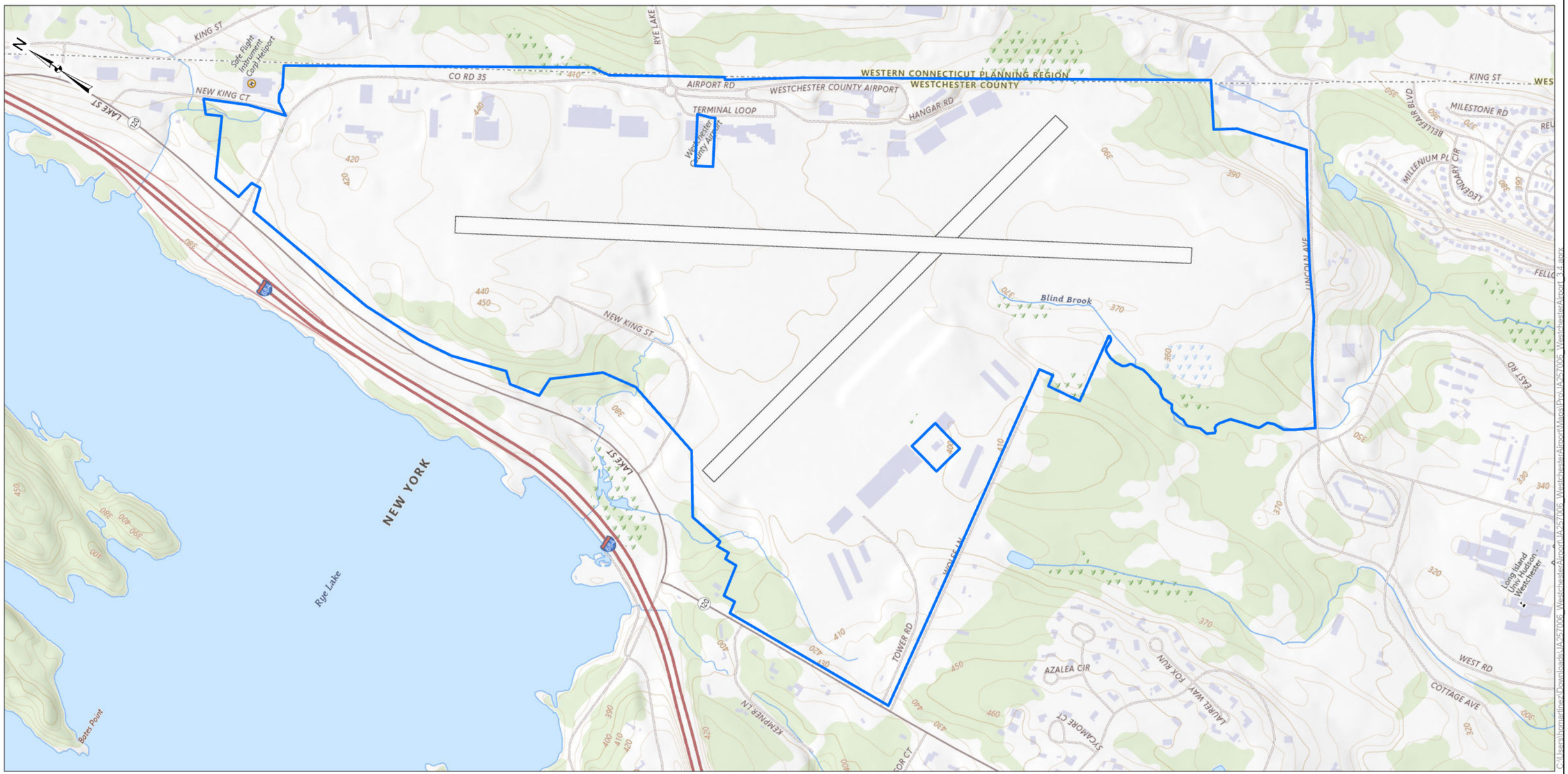
APPENDIX A

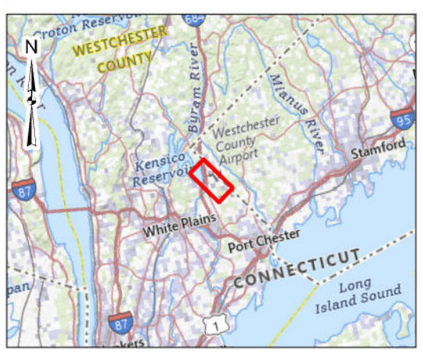
EXHIBIT 1: TOPOGRAPHIC MAP

EXHIBIT 2: RUNWAY 16/34 SHOULDER AND EDGE LIGHTING REHABILITATION PROJECT WORK AREAS

EXHIBIT 3: PROPOSED REMEDIAL INVESTIGATION SOIL BORING LOCATIONS – SHOULDER SOILS PFAS SCREENING

EXHIBITS 4-1 TO 4-5: PROPOSED SOIL BORING LOCATIONS – BENEFICIAL REUSE WORK AREA 1 – WORK AREA 5





Legend

BCP Site Boundary

DATA SOURCES:
ESRI Basemaps
Westchester County GeoHub
New York DEC - Remediation Site Boundaries

Feet
0 500 1,000 2,000

Project No.:	JA257006
Date:	May 2025
Drawn By:	HPM
Reviewed By:	

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Rochester, NY
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Topographic Map

Westchester County Airport
West Harrison, New York

Exhibit

1

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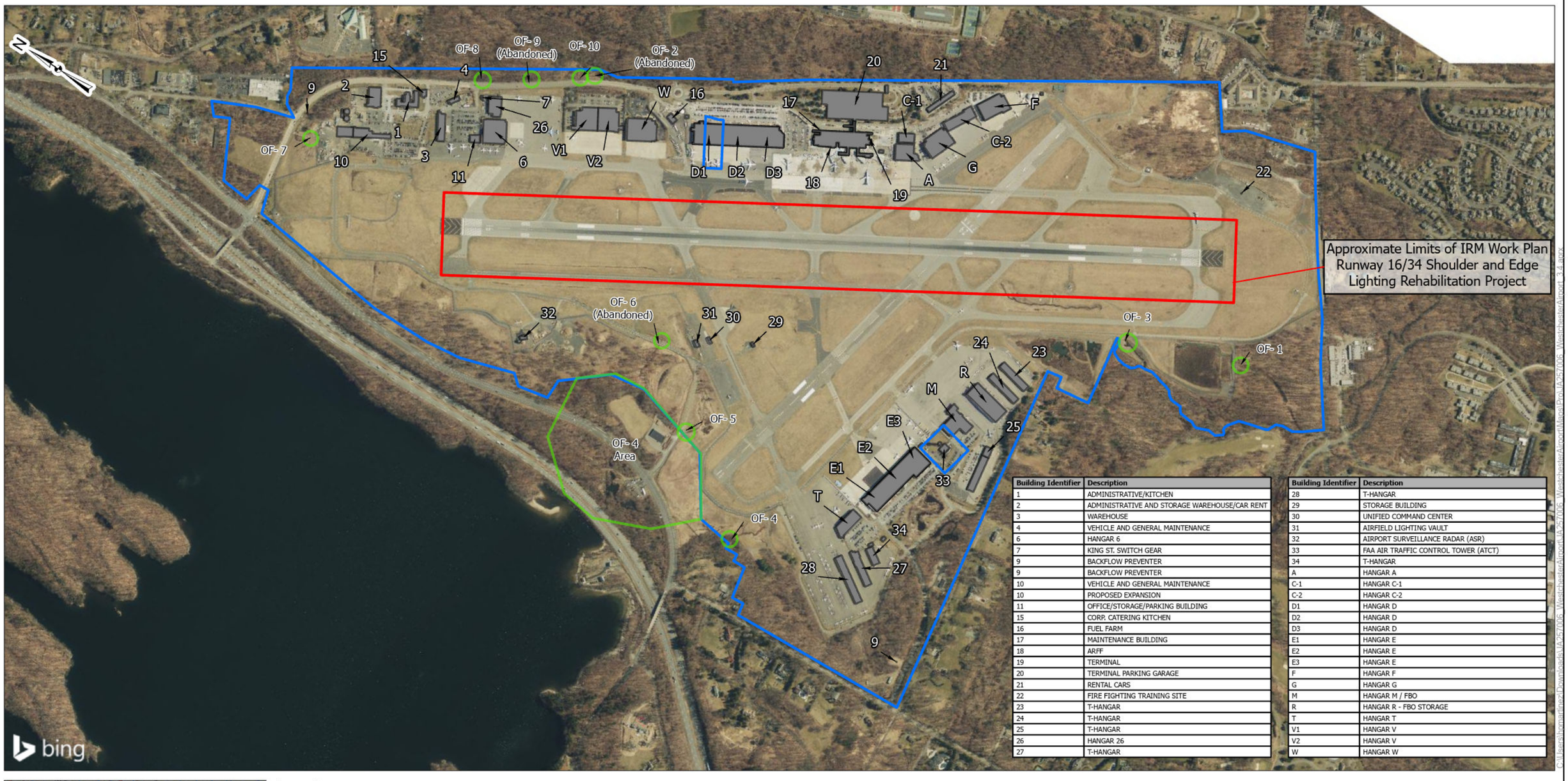
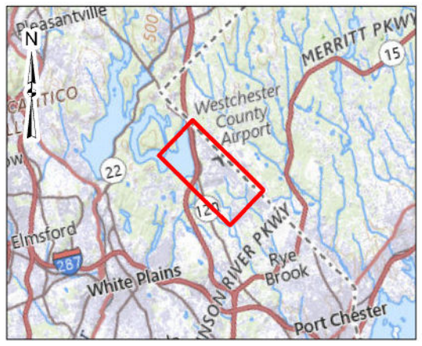


Building Identifier	Description
1	ADMINISTRATIVE/KITCHEN
2	ADMINISTRATIVE AND STORAGE WAREHOUSE/CAR RENT
3	WAREHOUSE
4	VEHICLE AND GENERAL MAINTENANCE
6	HANGAR 6
7	KING ST. SWITCH GEAR
9	BACKFLOW PREVENTER
9	BACKFLOW PREVENTER
10	VEHICLE AND GENERAL MAINTENANCE
10	PROPOSED EXPANSION
11	OFFICE/STORAGE/PARKING BUILDING
15	CORP. CATERING KITCHEN
16	FUEL FARM
17	MAINTENANCE BUILDING
18	ARFF
19	TERMINAL
20	TERMINAL PARKING GARAGE
21	RENTAL CARS
22	FIRE FIGHTING TRAINING SITE
23	T-HANGAR
24	T-HANGAR
25	T-HANGAR
26	HANGAR 26
27	T-HANGAR

Building Identifier	Description
28	T-HANGAR
29	STORAGE BUILDING
30	UNIFIED COMMAND CENTER
31	AIRFIELD LIGHTING VAULT
32	AIRPORT SURVEILLANCE RADAR (ASR)
33	FAA AIR TRAFFIC CONTROL TOWER (ATCT)
34	T-HANGAR
A	HANGAR A
C-1	HANGAR C-1
C-2	HANGAR C-2
D1	HANGAR D
D2	HANGAR D
D3	HANGAR D
E1	HANGAR E
E2	HANGAR E
E3	HANGAR E
F	HANGAR F
G	HANGAR G
M	HANGAR M / FBO
R	HANGAR R - FBO STORAGE
T	HANGAR T
V1	HANGAR V
V2	HANGAR V
W	HANGAR W



Legend

- BCP Site Boundary
- SPDES Outfall
- Buildings

DATA SOURCES:
Westchester County GeoHub
NYSDEC - BCP Site Boundary

Feet
0 500 1,000 2,000

Project No.:	JA257006
Date:	May 2025
Drawn By:	HPM
Reviewed By:	

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Site Diagram

Westchester County Airport
West Harrison, New York

Exhibit

2

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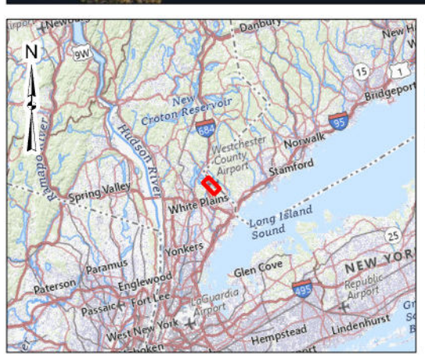

Legend

- BCP Site Boundary
- Disturbance Areas
- Taxiway H demo area
- Work Area 1
- Work Area 2
- Work Area 3
- Work Area 4
- Work Area 5

Proposed Sampling Advancement

- Original Proposed Depth
- To Groundwater

DATA SOURCES:
ESRI Basemaps
Westchester County GeoHub
New York DEC - Remediation Site Boundaries

Feet
0 500 1,000 2,000

Project No.:	JA257006
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Runway 16/34 Shoulder and Edge Lighting Rehabilitation Remedial Investigation Soil Boring Locations

Westchester County Airport
West Harrison, New York

Exhibit

3

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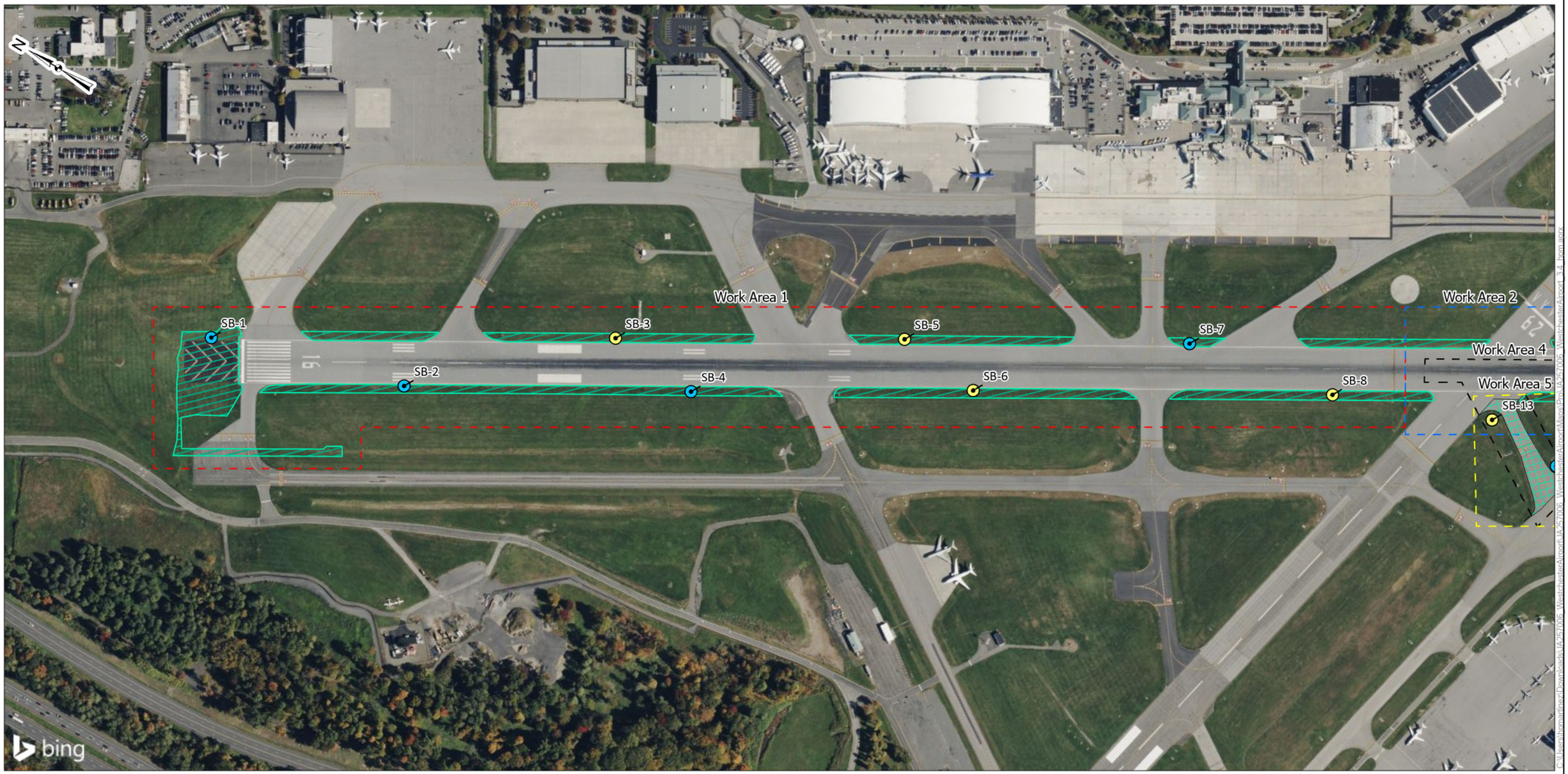

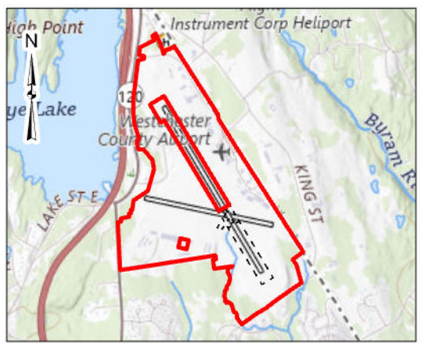

Legend

- Disturbance Areas
- Taxiway H demo area
- Work Area 1
- Work Area 2
- Work Area 4
- Work Area 5

Proposed Sampling Advancement

- Original Proposed Depth
- To Groundwater

Disturbance Area (Work Area 1)
Square Feet: 267,609.41
Acres: 6.14

DATA SOURCES:
ESRI Basemaps
Westchester County GeoHub
New York DEC - Remediation Site Boundaries

Feet
0 250 500 1,000

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PH. 585-247-3471 terracon.com

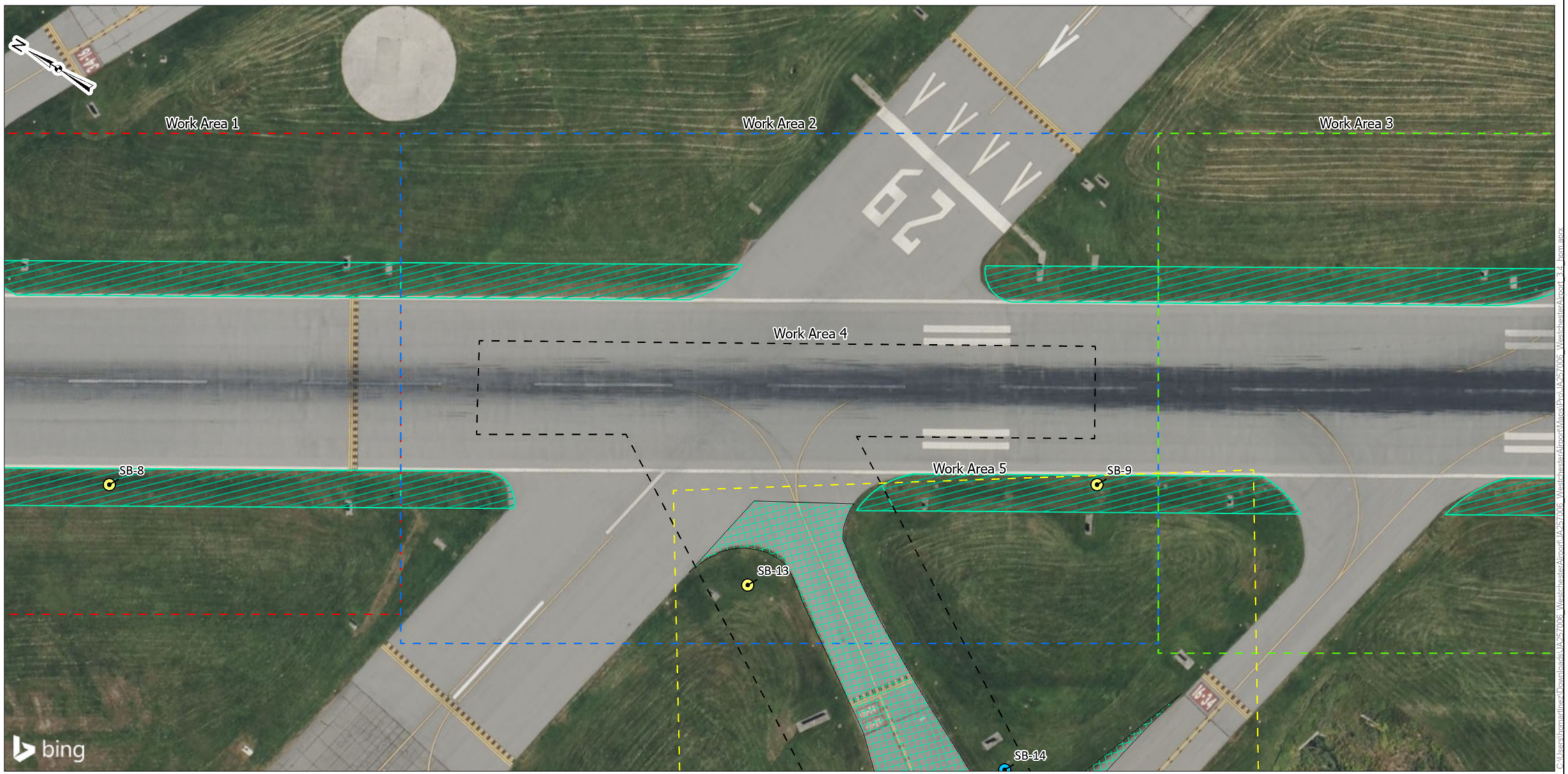
Proposed Soil Boring Locations – Beneficial Reuse

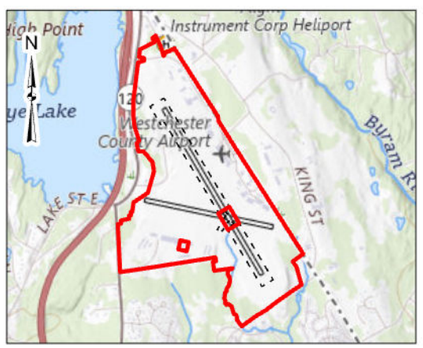
Work Area 1
Westchester County Airport
West Harrison, New York

Exhibit

4-1

C:\Users\hmattes\Downloads\JA257006_WestchesterAirport_3.4_hm.aprx





Legend

- Disturbance Areas
- Taxiway H demo area
- Work Area 1
- Work Area 2
- Work Area 3
- Work Area 4
- Work Area 5

Proposed Sampling Advancement

- Original Proposed Depth
- To Groundwater

Disturbance Area (Work Area 2)
Square Feet: 23,194.50
Acres: 0.53

DATA SOURCES:
ESRI Basemaps
Westchester County GeoHub
New York DEC - Remediation Site Boundaries

Feet
0 62.5 125 250

Project No.:	JA257006
Date:	Aug 2025
Drawn By:	HPM
Reviewed By:	

Terracon
70 Vantage Point Dr, Ste 1
Rochester, NY
PH. 585-247-3471 terracon.com

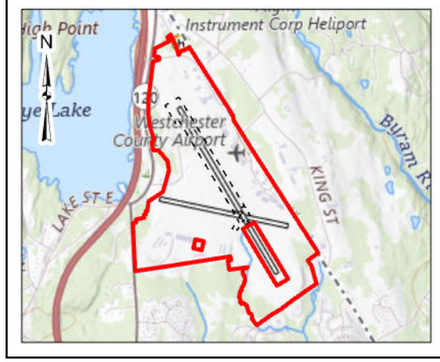
Proposed Soil Boring Locations – Beneficial Reuse

Work Area 2
Westchester County Airport
West Harrison, New York

Exhibit

4-2

C:\Users\hmedina\Downloads\JA257006_WestchesterAirport 3.4_hm.aprx



Legend

- Disturbance Areas
- Taxiway H demo area
- Work Area 2
- Work Area 3
- Work Area 4
- Work Area 5

Proposed Sampling Advancement

- Original Proposed Depth
- To Groundwater

Disturbance Area (Work Area 3)
Square Feet: 104,662.09
Acres: 2.40

DATA SOURCES:
ESRI Basemaps
Westchester County GeoHub
New York DEC - Remediation Site Boundaries

Feet
0 125 250 500

Project No.:	JA257006
Date:	Aug 2025
Drawn By:	HPM
Reviewed By:	

terracon
70 Vantage Point Dr, Ste 1
Rochester, NY
PH. 585-247-3471 terracon.com

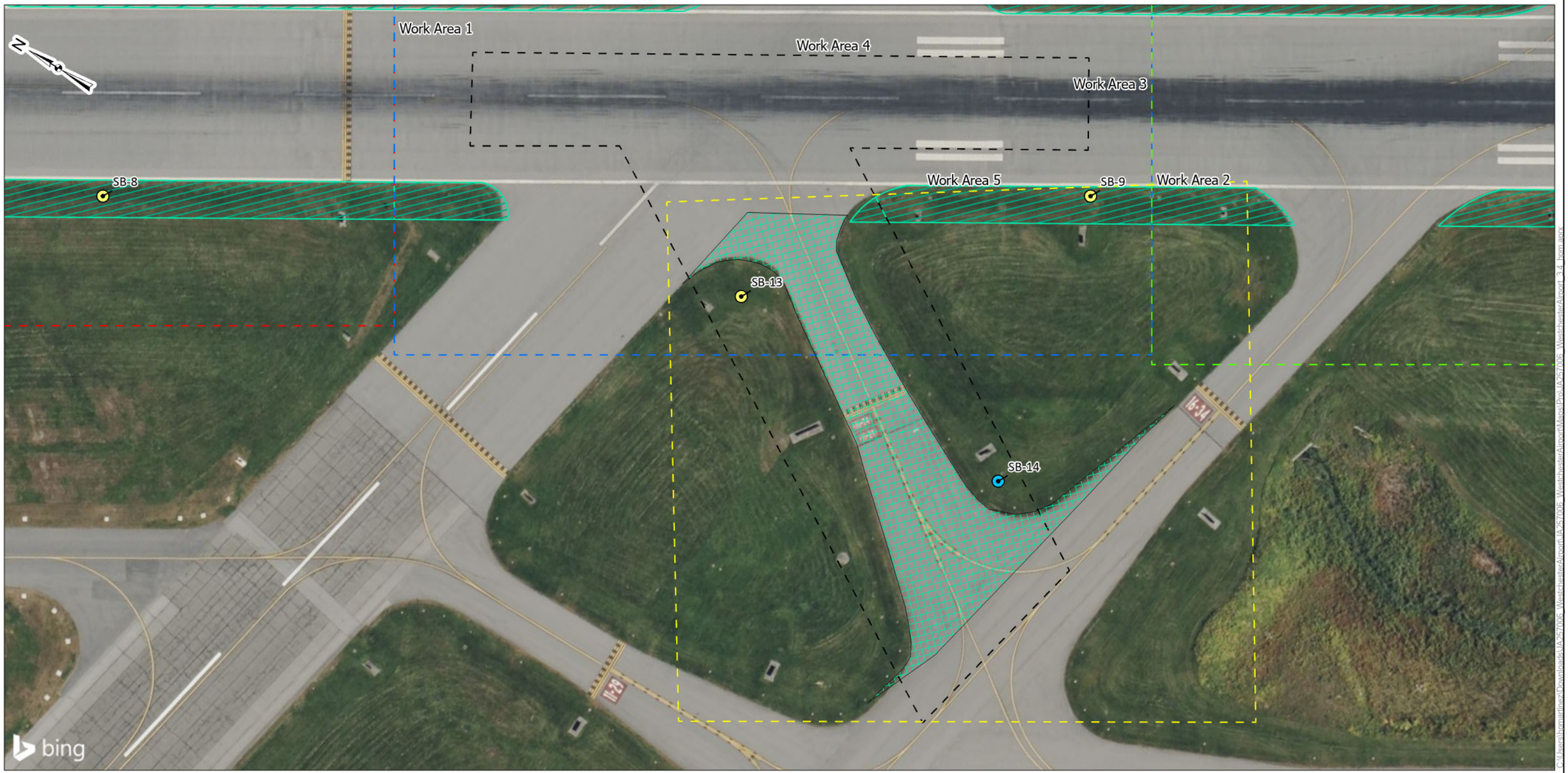
Proposed Soil Boring Locations – Beneficial Reuse

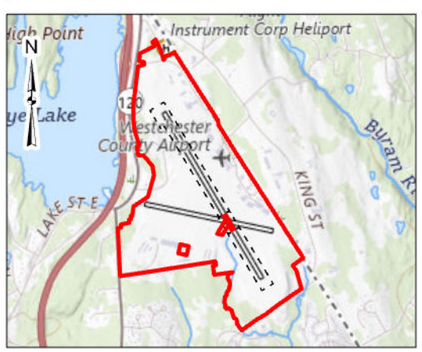
Work Area 3
Westchester County Airport
West Harrison, New York

Exhibit

4-3

C:\Users\hpmac\Dropbox\Terracon\Projects\JA257006_WestchesterAirport_3.4_bm.aprx





Legend

- Disturbance Areas
- Taxiway H demo area
- Work Area 1
- Work Area 2
- Work Area 3
- Work Area 4
- Work Area 5

Proposed Sampling Advancement

- Original Proposed Depth
- To Groundwater

Disturbance Area (Work Area 4)
Square Feet: 391.58
Acres: 0.01

DATA SOURCES:
ESRI Basemaps
Westchester County GeoHub
New York DEC - Remediation Site Boundaries

0 62.5 125 250 Feet

Project No.:	JA257006
Date:	Aug 2025
Drawn By:	HPM
Reviewed By:	

Terracon
70 Vantage Point Dr, Ste 1
Rochester, NY
PH. 585-247-3471 terracon.com

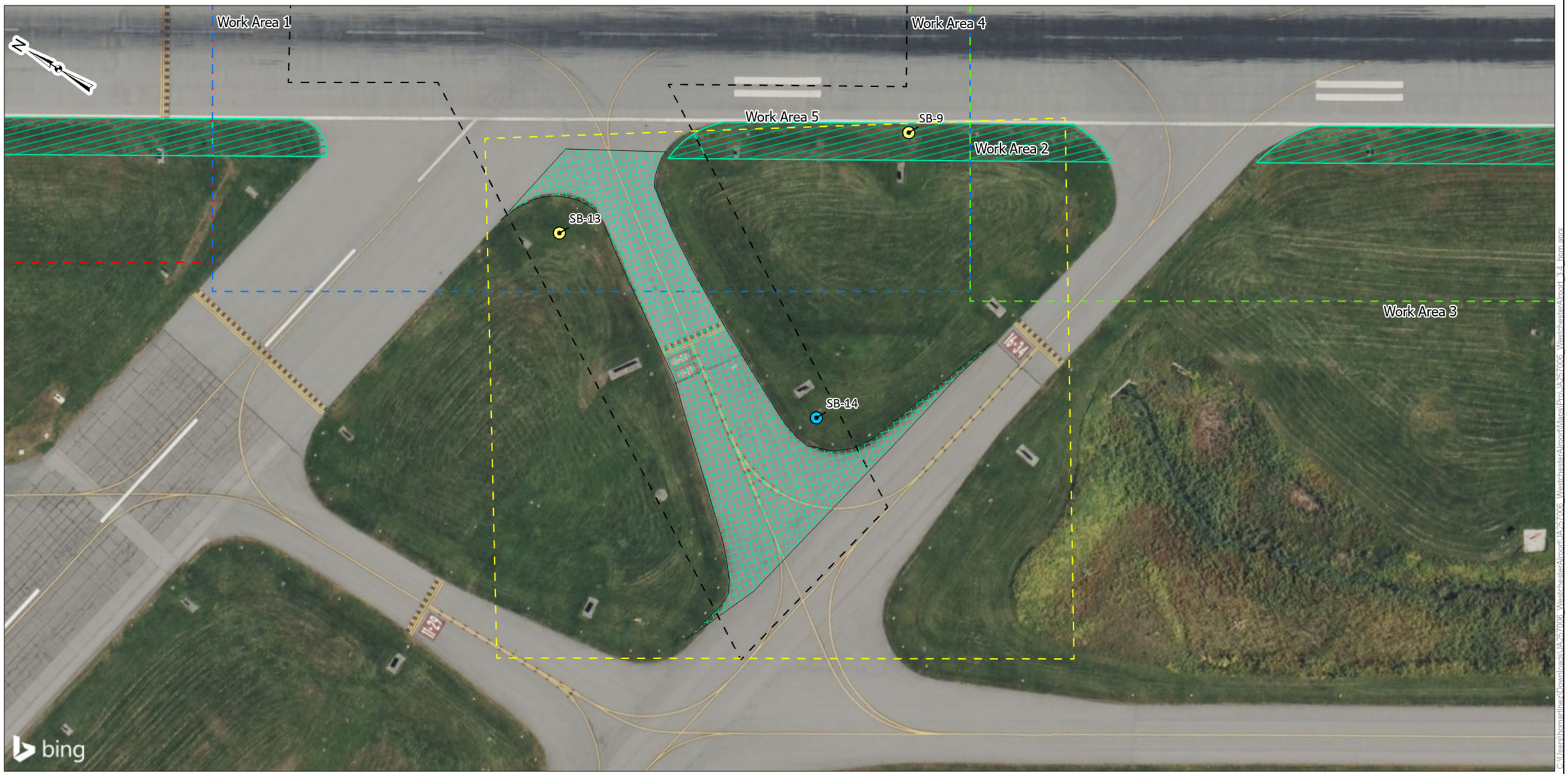
Proposed Soil Boring Locations – Beneficial Reuse

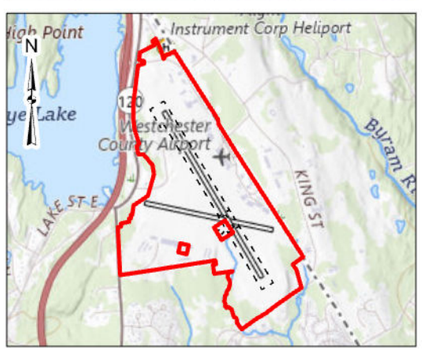
Work Area 4
Westchester County Airport
West Harrison, New York

Exhibit

4-4

C:\Users\hpmiller\Downloads\JA257006_WestchesterAirport_3.4_km.aprx





Legend

- Disturbance Areas
- Taxiway H demo area
- Work Area 1
- Work Area 2
- Work Area 3
- Work Area 4
- Work Area 5

Proposed Sampling Advancement

- Original Proposed Depth
- To Groundwater

Disturbance Area (Work Area 5)
Square Feet: 31,509.04
Acres: 0.72

DATA SOURCES:
ESRI Basemaps
Westchester County GeoHub
New York DEC - Remediation Site Boundaries

Feet
0 62.5 125 250

Project No.:	JA257006
Date:	Aug 2025
Drawn By:	HPM
Reviewed By:	

terracon
70 Vantage Point Dr, Ste 1
Rochester, NY
PH. 585-247-3471 terracon.com

Proposed Soil Boring Locations – Beneficial Reuse

Work Area 5
Westchester County Airport
West Harrison, New York

Exhibit

4-5

C:\Users\hmpie\Documents\JA257006_WestchesterAirport_3.4_km.aprx

APPENDIX B

Contract No. 25-503, Runway 16/34 Shoulders and Edge Lighting Rehabilitation Bid Documents dated February 2025

WESTCHESTER COUNTY

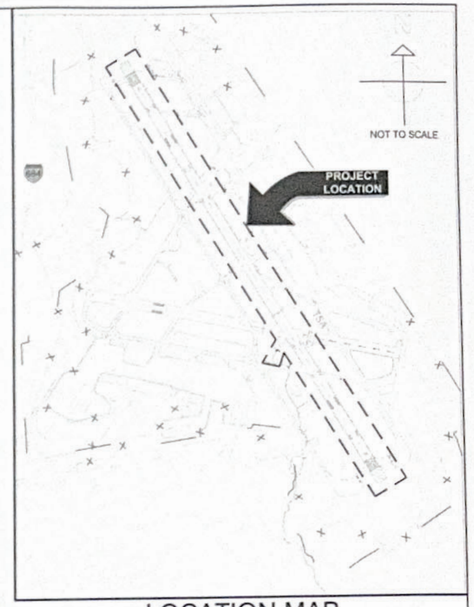
Westchester County

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

CONTRACT No. 25-503

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION

WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NEW CASTLE
AND VILLAGE OF RYE BROOK, NEW YORK



LOCATION MAP
SCALE: N.T.S.

JKL
JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
307 SEVENTH AVENUE, ROOM 2302
NEW YORK, NY 10001
PHONE: 410-465-9600

Burns
1261 BROADWAY, SUITE 708
NEW YORK, NY 10001
212.962.3503
www.burns-group.com

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

IN CHARGE OF CEDRICK JOHNSON, P.E.
CHECKED BY MAHESH KUKATA, P.E.
MADE BY MATTHEW BISHOP, P.E.

RECOMMENDED FOR DESIGN	RECOMMENDED FOR CONSTRUCTION	RECOMMENDED FOR CONSTRUCTION	APPROVED FOR CONSTRUCTION
2/20/25 DATE	2/20/25 DATE	2-20-2025 DATE	2/20/25 DATE
JEFFREY A. DEAN, P.E.	ANGELO SGOBBO, P.E.	GAYLE M. KATZMAN, P.E.	HUGH J. GREECHAN, JR., P.E.
ASSOCIATE ENGINEER	DIRECTOR OF DESIGN COORDINATION	FIRST DEPUTY COMMISSIONER	COMMISSIONER
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION	DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION	DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION	DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NEW CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
COVER SHEET

CONTRACT NUMBER	SHEET NUMBER
25-503	GI101
SHEET NO. 1 OF 99	
SCALE: N/A	
DATE: FEBRUARY 2025	
DPW FILE NO. 48-11-T-499	REV. NO. 0

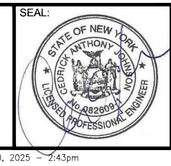
DRAWING INDEX

NO.	DRAWING ID	DPW FILE NO.	DRAWING TITLE
			GENERAL
1	GI001	48-11-T-499-0	COVER SHEET
2	GI002	48-11-G-500-0	DRAWING INDEX
3	GI003	48-11-G-501-0	SCHEDULE OF QUANTITIES
4	GI004	48-11-G-502-0	GENERAL CONSTRUCTION AND SAFETY NOTES 1
5	GI005	48-11-G-503-0	GENERAL CONSTRUCTION AND SAFETY NOTES 2
6	GC100	48-11-G-504-0	GENERAL PROJECT LAYOUT
7	GC101	48-11-G-505-0	MAXIMUM EQUIPMENT HEIGHT PLAN
8	GC110	48-11-G-506-0	OVERALL CONSTRUCTION SAFETY AND PHASING PLAN
9	GC111	48-11-G-507-0	CONSTRUCTION SAFETY AND PHASING PLAN - WORK AREA 1
10	GC112	48-11-G-508-0	CONSTRUCTION SAFETY AND PHASING PLAN - WORK AREA 2
11	GC113	48-11-G-509-0	CONSTRUCTION SAFETY AND PHASING PLAN - WORK AREA 3
12	GC114	48-11-G-510-0	CONSTRUCTION SAFETY AND PHASING PLAN - WORK AREA 4 (ADD ALT.)
13	GC115	48-11-G-511-0	CONSTRUCTION SAFETY AND PHASING PLAN - WORK AREA 5
14	GC500	48-11-G-512-0	CONSTRUCTION SAFETY AND PHASING NOTES AND DETAILS
15	GC501	48-11-G-513-0	CONSTRUCTION SEQUENCE TYPICAL SECTIONS 1
16	GC502	48-11-G-514-0	CONSTRUCTION SEQUENCE TYPICAL SECTIONS 2
17	GC503	48-11-G-515-0	CONSTRUCTION SEQUENCE TYPICAL SECTIONS 3
18	GC504	48-11-G-516-0	TEMPORARY ELECTRICAL WORK PHASING PLAN
19	GC505	48-11-G-517-0	TEMPORARY ELECTRICAL WORK PHASING WIRING DIAGRAM
			SURVEY
20	VS100	48-11-S-518-0	SURVEY CONTROL AND BASELINE LAYOUT PLAN
			GEOTECHNICAL
21	BL100	48-11-B-519-0	BORING AND CORING LAYOUT PLAN
22	BL101	48-11-B-520-0	BORING LOGS 1
23	BL102	48-11-B-521-0	BORING LOGS 2
			CIVIL
24	CD101	48-11-C-522-0	EXISTING CONDITIONS AND CIVIL DEMOLITION PLAN 1
25	CD102	48-11-C-523-0	EXISTING CONDITIONS AND CIVIL DEMOLITION PLAN 2
26	CD103	48-11-C-524-0	EXISTING CONDITIONS AND CIVIL DEMOLITION PLAN 3
27	CD104	48-11-C-525-0	EXISTING CONDITIONS AND CIVIL DEMOLITION PLAN 4
28	CD105	48-11-C-526-0	EXISTING CONDITIONS AND CIVIL DEMOLITION PLAN 5
29	CD106	48-11-C-527-0	EXISTING CONDITIONS AND CIVIL DEMOLITION PLAN 6
30	CD107	48-11-C-528-0	EXISTING SITE PHOTOS
31	CP101	48-11-C-529-0	PAVING AND GEOMETRY PLAN 1
32	CP102	48-11-C-530-0	PAVING AND GEOMETRY PLAN 2
33	CP103	48-11-C-531-0	PAVING AND GEOMETRY PLAN 3
34	CP104	48-11-C-532-0	PAVING AND GEOMETRY PLAN 4
35	CP105	48-11-C-533-0	PAVING AND GEOMETRY PLAN 5
36	CP106	48-11-C-534-0	PAVING AND GEOMETRY PLAN 6
37	CP501	48-11-C-535-0	PAVING DETAILS
38	CP502	48-11-C-536-0	TYPICAL SECTIONS
39	CG101	48-11-C-537-0	GRADING AND DRAINAGE PLAN 1
40	CG102	48-11-C-538-0	GRADING AND DRAINAGE PLAN 2
41	CG103	48-11-C-539-0	GRADING AND DRAINAGE PLAN 3
42	CG104	48-11-C-540-0	GRADING AND DRAINAGE PLAN 4
43	CG105	48-11-C-541-0	GRADING AND DRAINAGE PLAN 5
44	CG106	48-11-C-542-0	GRADING AND DRAINAGE PLAN 6
45	CG107	48-11-C-543-0	STORMWATER POLLUTION PREVENTION PLAN 1
46	CG108	48-11-C-544-0	STORMWATER POLLUTION PREVENTION PLAN 2
47	CG109	48-11-C-545-0	STORMWATER POLLUTION PREVENTION PLAN 3
48	CG110	48-11-C-546-0	STORMWATER POLLUTION PREVENTION PLAN 4
49	CG111	48-11-C-547-0	STORMWATER POLLUTION PREVENTION PLAN 5
50	CG112	48-11-C-548-0	STORMWATER POLLUTION PREVENTION PLAN 6
51	CG201	48-11-C-549-0	DRAINAGE PROFILES
52	CG501	48-11-C-550-0	DRAINAGE DETAILS 1
53	CG502	48-11-C-551-0	DRAINAGE DETAILS 2
54	CG503	48-11-C-552-0	DRAINAGE SCHEDULES
55	CG700	48-11-C-553-0	CROSS SECTIONS LAYOUT PLAN
56	CG701	48-11-C-554-0	BLAST PAD CROSS SECTIONS
57	CE101	48-11-C-555-0	EROSION AND SEDIMENT CONTROL PLAN 1
58	CE102	48-11-C-556-0	EROSION AND SEDIMENT CONTROL PLAN 2
59	CE103	48-11-C-557-0	EROSION AND SEDIMENT CONTROL PLAN 3
60	CE104	48-11-C-558-0	EROSION AND SEDIMENT CONTROL PLAN 4
61	CE105	48-11-C-559-0	EROSION AND SEDIMENT CONTROL PLAN 5
62	CE106	48-11-C-560-0	EROSION AND SEDIMENT CONTROL PLAN 6
63	CE501	48-11-C-561-0	EROSION AND SEDIMENT CONTROL NOTES AND DETAILS
64	CM101	48-11-C-562-0	PAVEMENT MARKING PLAN 1
65	CM102	48-11-C-563-0	PAVEMENT MARKING PLAN 2
66	CM103	48-11-C-564-0	PAVEMENT MARKING PLAN 3
67	CM104	48-11-C-565-0	PAVEMENT MARKING PLAN 4
68	CM105	48-11-C-566-0	PAVEMENT MARKING PLAN 5
69	CM106	48-11-C-567-0	PAVEMENT MARKING PLAN 6
70	CM501	48-11-C-568-0	PAVEMENT MARKING DETAILS
			ELECTRICAL
71	EG101	48-11-E-569-0	ELECTRICAL NOTES AND ABBREVIATIONS
72	EG102	48-11-E-570-0	ELECTRICAL SCHEDULES
73	ED101	48-11-E-571-0	ELECTRICAL DEMOLITION PLAN 1
74	ED102	48-11-E-572-0	ELECTRICAL DEMOLITION PLAN 2
75	ED103	48-11-E-573-0	ELECTRICAL DEMOLITION PLAN 3
76	ED104	48-11-E-574-0	ELECTRICAL DEMOLITION PLAN 4
77	ED104A	48-11-E-575-0	ELECTRICAL DEMOLITION PLAN 4 (ADD ALTERNATE)
78	ED105	48-11-E-576-0	ELECTRICAL DEMOLITION PLAN 5
79	ED106	48-1-E-577-0	ELECTRICAL DEMOLITION PLAN 6
80	ED107	48-11-E-578-0	ELECTRICAL DEMOLITION PLAN 7
81	ES101	48-11-E-579-0	ELECTRICAL NEW WORK PLAN 1
82	ES102	48-11-E-580-0	ELECTRICAL NEW WORK PLAN 2
83	ES103	48-11-E-581-0	ELECTRICAL NEW WORK PLAN 3
84	ES104	48-11-E-582-0	ELECTRICAL NEW WORK PLAN 4
85	ES104A	48-11-E-583-0	ELECTRICAL NEW WORK PLAN 4 (ADD ALTERNATE)
86	ES105	48-11-E-584-0	ELECTRICAL NEW WORK PLAN 5
87	ES106	48-11-E-585-0	ELECTRICAL NEW WORK PLAN 6
88	ES107	48-11-E-586-0	ELECTRICAL NEW WORK PLAN 7
89	ES201	48-11-E-587-0	ELECTRICAL LIGHTING SCHEDULES
90	ES301	48-11-E-588-0	ELECTRICAL AIRFIELD LIGHTING VAULT DEMOLITION PLAN
91	ES302	48-11-E-589-0	ELECTRICAL AIRFIELD LIGHTING VAULT NEW WORK PLAN
92	ES401	48-11-E-590-0	ELECTRICAL INSTALLATION DETAIL 1
93	ES402	48-11-E-591-0	ELECTRICAL INSTALLATION DETAIL 2
94	ES403	48-11-E-592-0	ELECTRICAL INSTALLATION DETAIL 3
95	ES404	48-11-E-593-0	ELECTRICAL INSTALLATION DETAIL 4
96	ES405	48-11-E-594-0	ELECTRICAL INSTALLATION DETAIL 5
97	ES406	48-11-E-595-0	ELECTRICAL INSTALLATION DETAIL 6
98	ES407	48-11-E-596-0	ELECTRICAL INSTALLATION DETAIL 7
99	ES501	48-11-E-597-0	ELECTRICAL RUNWAY EDGE LIGHTING SCHEMATIC

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER ANY ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

JKL
JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
307 SEVENTH AVENUE, ROOM 2302,
NEW YORK, NY 10001
PHONE: 410-465-9600

SEAL:



REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

BID DOCUMENTS

WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
DRAWING INDEX

CONTRACT NUMBER:	SHEET NUMBER:
25-503	GI002
DWG NO.:	2 of 99
SCALE:	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-G-500-0	0

SCHEDULE OF QUANTITIES (BASE BID)

PAY ITEM	DESCRIPTION	UNIT	QUANTITY	AS-BUILT
M-100-4.1	MAINTENANCE AND PROTECTION OF TRAFFIC AND CSPP	LS	1	
M-150-5.1	PRO□ECT SURVEY AND STAKEOUT	LS	1	
C-100-1.1	CONTRACTOR □UALITY CONTROL PROGRAM (C□CP)	LS	1	
C-102-5.1	FILTER BAG INLET PROTECTION	EA	21	
C-102-5.2	TEMPORARY SEEDING (HYDROSEED)	SY	15,000	
C-102-5.3	EROSION CONTROL BLANKET	SY	25,400	
P-101-5.1	COLD MILLING, VARIABLE DEPTH	SY	7,000	
P-101-5.2	PAVEMENT REMOVAL	SY	100	
P-152-4.1	UNCLASSIFIED EXCAVATION	CY	15,600	
P-152-4.2	DISPOSAL OF EXCESS EXCAVATED MATERIAL	ALLOW	1	
P-209-5.1	CRUSHED AGGREGATE BASE COURSE, 12-INCH DEPTH	SY	23,500	
P-401-8.1	ASPHALT SURFACE COURSE	TON	9,700	
P-603-5.1	EMULSIFIED ASPHALT TACK COAT	GAL	3,800	
P-620-5.1	PERMANENT PAVEMENT MARKING	SF	97,300	
D-701-5.1	15-INCH RCP, CLASS IV	LF	700	
D-751-5.1	AIRCRAFT RATED INLET	EA	1	
D-751-5.2	AIRCRAFT RATED MANHOLE	EA	1	
D-751-5.3	OUTFALL STRUCTURE	EA	1	
D-751-5.4	AD□UST ROUND STRUCTURE	EA	26	
D-751-5.5	AD□UST BOX STRUCTURE	EA	1	
D-751-5.6	CONVERT EXISTING INLET TO MANHOLE	EA	32	
D-751-5.7	MISCELLANEOUS DRAINAGE ALLOWANCE	ALLOW	1	
D-751-5.8	POROUS PAVEMENT RUNWAY SHOULDER SECTION WITH UNDERDRAIN	SY	1,900	
T-901-5.1	HYDROSEEDING	SY	48,600	
T-905-5.1	TOPSOIL, 4-INCH DEPTH	SY	17,900	
T-905-5.2	GRASS FILTER STRIP	SY	30,700	
L-108-5.1	1-1/C NO. 8 AWG, 5KV, L-824C CABLE IN CONDUIT, INSTALLED COMPLETE IN PLACE	LF	44,400	
L-108-5.2	1-1/C NO. 6 AWG, BARE COPPER COUNTERPOISE WIRE IN TRENCH, INCLUDING 3/4" X 10' GROUND RODS, INSTALLED COMPLETE IN PLACE	LF	2,000	
L-108-5.3	1-1/C NO. 6 AWG, BARE COPPER COUNTERPOISE WIRE ABOVE CONDUIT OR DUCT BANK, INCLUDING 3/4" X 10' GROUND RODS, INSTALLED COMPLETE IN PLACE	LF	11,500	
L-108-5.4	DEMOLITON OF CABLE IN CONDUIT, CONDUIT TO REMAIN, PER CONDUIT LENGTH	LF	8,900	
L-108-5.5	TEMPORARY 1-1/C NO. 8 AWG, 5KV, L-824C CABLE IN CONDUIT, INSTALLED COMPLETE IN PLACE	LF	32,400	
L-108-5.6	TEMPORARY □UMPER WIRING INSTALLED COMPLETE IN PLACE	ALLOW	1	
L-109-7.1	CALIBRATION OF CONSTANT CURRENT REGULATOR	EA	4	
L-109-7.2	FURNISH AND INSTALL 5-STEP 208V L-828 CONSTANT CURRENT REGULATOR AND ALL ASSOCIATED INCOMING POWER AND COMMUNICATION APPURTENANCES	EA	4	
L-110-5.1	SITE LOCATING, DUCT TRACING AND POT HOLING	ALLOW	1	
L-110-5.2	CONCRETE ENCASED ELECTRICAL CONDUIT, 1 WAY 2-INCH IN PAVED AREA	LF	11,300	
L-110-5.3	CONCRETE ENCASED ELECTRICAL CONDUIT, 1 WAY 2-INCH IN UNPAVED AREA	LF	2,000	
L-110-5.4	EXPOSE EXISTING 2" SCHEDULE 40 PVC CONDUIT AND CAP AND PROTECT END FOR FUTURE CONDUIT CONNECTION	EA	26	
L-110-5.5	DEMOLITION OF CABLE AND CONDUIT	LF	13,100	
L-110-5.6	TEMPORARY 2" SCHEDULE 40 PVC CONDUIT AND □UNCTION BOXES, IN UNPAVED AREAS, INSTALLED COMPLETE IN PLACE	LF	11,700	
L-110-5.7	CONCRETE ENCASED DRAINAGE CONDUIT, 1 WAY 2-INCH	LF	820	
L-115-5.1	DEMOLITON OF ELECTRICAL HANDHOLE/MANHOLE	EA	4	
L-115-5.2	DEMOLITON OF ELECTRICAL □UNCTION STRUCTURE	EA	63	
L-125-5.1	L-862 OR L-862E(L) RUNWAY ELEVATED EDGE/END LIGHT FIXTURE ON L-867B LIGHT BASE IN PAVED SHOULDER, WITH CONCRETE ENCASEMENT, ARCTIC KIT, TRANSFORMER AND ACCESSORIES, INSTALLED, COMPLETE IN PLACE	EA	63	
L-125-5.2	INSTALL STORED L-861T ELEVATED TAXIWAY EDGE LIGHT FIXTURE ON L-867B LIGHT BASE IN PAVED SHOULDER, WITH CONCRETE ENCASEMENT, AND ACCESSORIES, INSTALLED, COMPLETE IN PLACE	EA	18	
L-125-5.3	L-850A(L) RUNWAY CENTERLINE LIGHT FIXTURE ON EXISTING LIGHT BASE, WITH TRANSFORMER AND ACCESSORIES, COMPLETE IN PLACE	EA	129	
L-125-5.4	L-850B(L) TOUCHDOWN □ONE LIGHT FIXTURE ON EXISTING LIGHT BASE, WITH TRANSFORMER AND ACCESSORIES, COMPLETE IN PLACE	EA	180	
L-125-5.5	L-850C(L) IN-PAVEMENT RUNWAY EDGE LIGHT FIXTURE ON EXISTING LIGHT BASE, WITH TRANSFORMER AND ACCESSORIES, COMPLETE IN PLACE	EA	12	
L-125-5.6	L-862E(L) RUNWAY ELEVATED EDGE LIGHT FIXTURE ON EXISTING LIGHT BASE, WITH TRANSFORMER AND ACCESSORIES, COMPLETE IN PLACE	EA	7	
L-125-5.7	L-858 AIRFIELD GUIDANCE SIGN ON NEW FOUNDATION WITH GROUNDING, TRANSFORMER AND ACCESSORIES, COMPLETE IN PLACE	EA	14	
L-125-5.8	REINSTALL L-858 AIRFIELD GUIDANCE SIGN ON NEW FOUNDATION WITH GROUNDING, TRANSFORMER AND ACCESSORIES, COMPLETE IN PLACE	EA	14	
L-125-5.9	REMOVAL OF L-862 OR L-862E ELEVATED RUNWAY EDGE/END LIGHT FIXTURE AND TRANSFORMER, DEMOLITION OF ACCESSORIES AND LIGHT BASE, AND STORAGE OF FIXTURE AND TRANSFORMER	EA	63	
L-125-5.10	REMOVAL OF L-861T ELEVATED TAXIWAY EDGE LIGHT FIXTURE AND TRANSFORMER, DEMOLITION OF ACCESSORIES AND LIGHT BASE, AND STORAGE OF FIXTURE AND TRANSFORMER	EA	18	
L-125-5.11	DEMOLITION OF L-850A RUNWAY CENTERLINE LIGHT FIXTURE, TRANSFORMER AND ACCESSORIES ON EXISTING LIGHT BASE, INSTALL COVER PLATE	EA	129	
L-125-5.12	DEMOLITION OF L-850B TOUCHDOWN □ONE LIGHT FIXTURE, TRANSFORMER AND ACCESSORIES ON EXISTING LIGHT BASE, INSTALL COVER PATE	EA	180	
L-125-5.13	DEMOLITION OF L-850C IN-PAVEMENT RUNWAY EDGE LIGHT FIXTURE, TRANSFORMER AND ACCESSORIES ON EXISTING LIGHT BASE, INSTALL COVER PLATE	EA	12	
L-125-5.14	DEMOLITION OF L-862E RUNWAY ELEVATED EDGE LIGHT FIXTURE, TRANSFORMER AND ACCESSORIES ON EXISTING LIGHT BASE, INSTALL COVER PLATE	EA	7	
L-125-5.15	DEMOLITION OF L-858 AIRFIELD GUIDANCE SIGN AND FOUNDATION	EA	14	
L-125-5.16	REMOVAL AND STORAGE OF EXISTING L-858 AIRFIELD GUIDANCE SIGN. DEMOLITION OF EXISTING FOUNDATION	EA	14	
L-125-5.17	DEMOLITION OF ABANDONED GUIDANCE SIGN FOUNDATION	EA	5	
L-125-5.18	TEMPORARY L-862 OR L-862E RUNWAY ELEVATED EDGE/END LIGHT FIXTURE DURING CONSTRUCTION, WITH BASE PLATE, TRANSFORMER, LNFC CONDUIT, □UNCTION BOX , TRANSFORMER AND ACCESSORIES	EA	53	

SCHEDULE OF QUANTITIES (ADD ALTERNATE)

PAY ITEM	DESCRIPTION	UNIT	QUANTITY	AS-BUILT
M-100-4.1	MAINTENANCE AND PROTECTION OF TRAFFIC AND CSPP	LS	1	
M-150-5.1	PRO□ECT SURVEY AND STAKEOUT	LS	1	
C-105-6.1	MOBILI□ATION	LS	1	
P-101-5.2	PAVEMENT REMOVAL	SY	4,000	
P-152-4.3	EMBANKMENT OF MATERIAL FROM BASE BID / ONSITE STOCKPILE	CY	2,000	
P-620-5.2	PAVEMENT MARKING REMOVAL	SF	2,500	
T-901-5.1	HYDROSEEDING	SY	4,400	
T-905.5.1	TOPSOIL, 4-INCH DEPTH	SY	4,400	
L-108-5.1	1-1/C NO. 8 AWG, 5KV, L-824C CABLE IN CONDUIT, INSTALLED COMPLETE IN PLACE	LF	1,000	
L-108-5.2	1-1/C NO. 6 AWG, BARE COPPER COUNTERPOISE WIRE ABOVE CONDUIT, INCLUDING 3/4" X 10' GROUND RODS, INSTALLED COMPLETE IN PLACE	LF	400	
L-110-5.1	SITE LOCATING, DUCT TRACING AND POT HOLING	ALLOW	1	
L-110-5.3	CONCRETE ENCASED ELECTRICAL CONDUIT, 1 WAY 2-INCH IN UNPAVED AREA	LF	400	
L-110-5.4	EXPOSE EXISTING 2" SCHEDULE 40 PVC CONDUIT AND CAP AND PROTECT END FOR FUTURE CONDUIT CONNECTION	EA	2	
L-110-5.5	DEMOLITON OF CABLE AND CONDUIT, PER CONDUIT LENGTH	LF	1,000	
L-115-5.3	MISCELLANEOUS ELECTRICAL PROTECTION	LS	1	
L-125-5.7	L-858 AIRFIELD GUIDANCE SIGN ON NEW FOUNDATION WITH GROUNDING, TRANSFORMER AND ACCESSORIES, COMPLETE IN PLACE	EA	-2	
L-125-5.10	REMOVAL OF L-861T ELEVATED TAXIWAY EDGE LIGHT FIXTURE AND TRANSFORMER, DEMOLITION OF ACCESSORIES AND LIGHT BASE, AND STORE FIXTURE AND TRANSFORMER	EA	21	
L-125-5.15	DEMOLITION OF L-858 AIRFIELD GUIDANCE SIGN AND FOUNDATION	EA	1	
L-125-5.19	REMOVE, MODIFY AND REINSTALL EXISTING GUIDANCE SIGN PANEL	EA	2	
L-125-5.20	REMOVE L-858 GUIDANCE SIGN, FOUNDATION TO REMAIN, FURNISH AND INSTALL SIGN ON EXISTING FOUNDATION	EA	1	
L-125-5.21	INSTALL STORED L-861T ELEVATED TAXIWAY EDGE LIGHT FIXTURE ON PRE-CAST CONCRETE ENCASED L-867B LIGHT BASE IN UNPAVED SHOULDER, WITH ACCESSORIES, INSTALLED, COMPLETE IN PLACE	EA	8	

EARTHWORK TABLE

LOCATION	EXCAVATION (CY)		EMBANKMENT (CY)	
	(A)	(B)	(C)	(D)
	CUT	TS STRIP	FILL	TS PLACE
WORK AREA 1	6,200	3,200	500	1,400
WORK AREA 2	760	360	50	130
WORK AREA 3	3,400	1,600	250	550
WORK AREA 4	0	0	1,400	600
TOTAL	**10,360**	**5,160**	**2,200**	**2,680**

WORK AREA 1 EARTHWORK SUMMARY

DESCRIPTION	CUBIC YARDS
TOTAL EXCAVATION □(A) □(B) □	9,400
LESS TOPSOIL □(B) □	3,200
EXCAVATION AVAILABLE FOR EMBANKMENT □	6,200
TOTAL EARTHEN EMBANKMENT □(C) □	500
MATERIAL SURPLUS □	5,700

WORK AREA 2 EARTHWORK SUMMARY

DESCRIPTION	CUBIC YARDS
TOTAL EXCAVATION □(A) □(B) □	1,120
LESS TOPSOIL □(B) □	360
EXCAVATION AVAILABLE FOR EMBANKMENT □	760
TOTAL EARTHEN EMBANKMENT □(C) □	50
MATERIAL SURPLUS □	710

WORK AREA 3 EARTHWORK SUMMARY

DESCRIPTION	CUBIC YARDS
TOTAL EXCAVATION □(A) □(B) □	5,000
LESS TOPSOIL □(B) □	1,600
EXCAVATION AVAILABLE FOR EMBANKMENT □	3,400
TOTAL EARTHEN EMBANKMENT □(C) □	250
MATERIAL SURPLUS □	3,150

WORK AREA 4 EARTHWORK SUMMARY

DESCRIPTION	CUBIC YARDS
TOTAL EXCAVATION □(A) □(B) □	0
LESS TOPSOIL □(B) □	0
EXCAVATION AVAILABLE FOR EMBANKMENT □	0
TOTAL EARTHEN EMBANKMENT □(C) □	1,400
MATERIAL DEFICIT □	1,400

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER ANY ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

JKL
JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
307 SEVENTH AVENUE, ROOM 2302,
NEW YORK, NY 10001
PHONE: 410-465-9600

SEAL: STATE OF NEW YORK · CEDRIC ANTHONY JOHNSON · No. 082900 · LICENSED PROFESSIONAL ENGINEER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

BID DOCUMENTS

WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

SCHEDULE OF QUANTITIES

CONTRACT NUMBER: 25-503	SHEET NUMBER: GI003
DWG NO.:	3 of 99
SCALE:	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-G-501-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\GI003 SCHEDULE OF QUANTITIES.dwg LAYOUT NAME: GI003 USER: MBishop PLOTTED: Friday, February 21, 2025 - 4:38pm

GENERAL CONSTRUCTION NOTES:

1. THIS PRO ECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT PLANS AND SPECIFICATIONS AND ANY RULES, REGULATIONS, STANDARDS OR SPECIFICATIONS REFERENCED THEREIN. THE PRO ECT IS SUB ECT TO INSPECTION BY REPRESENTATIVES OF WESTCHESTER COUNTY AIRPORT (HPN), NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT), THE FEDERAL AVIATION ADMINISTRATION (FAA), AND OTHER GOVERNING AGENCIES.

2. THE PRO ECT IS TO BE COMPLETED IN CLOSE CONFORMANCE WITH THE CONSTRUCTION PLANS AND CONTRACT SPECIFICATIONS AND SHALL BE CONSTRUCTED IN A TIMELY MANNER IN ACCORDANCE WITH THE CONTRACTOR'S APPROVED PRO ECT SCHEDULE. THE SCHEDULE SHALL PROVIDE FOR COMPLETION OF THE PHASES AS SHOWN ON THE PLANS AND DESCRIBED IN THE CONTRACT SPECIFICATIONS.

3. THE CONTRACTOR IS EXPECTED TO COMPLETE THE ENTIRE PRO ECT ON TIME. THE IMPORTANCE OF THIS IS STRESSED BY THE INCLUSION OF LI UIDATED DAMAGES IN THE DRAWINGS AND SPECIFICATIONS. THE RPR MAY SUSPEND WORK BY WRITTEN NOTICE WHEN, IN HIS/HER UDGEMENT, PROGRESS IS UNSATISFACTORY, WORK BEING DONE IS UNAUTHORI ED OR DEFECTIVE, WEATHER CONDITIONS ARE UNSUITABLE, OR THERE IS DANGER TO PUBLIC HEALTH OR SAFETY.

4. WESTCHESTER COUNTY AIRPORT WILL BE IN OPERATION DURING THE CONSTRUCTION OF THIS PRO ECT. COORDINATION OF WORK WITH THE AIRPORT AND AIRLINES THROUGH THE RESIDENT PRO ECT REPRESENTATIVE (RPR) AND ASSISTANT CONSTRUCTION SUPERVISOR IS MANDATORY SO AS TO MINIMI E IMPACTS ON AIRPORT OPERATIONS.

5. MAINTENANCE OPERATIONS BY OTHERS WILL OCCUR CONCURRENTLY AND AT TIMES IN THE VICINITY OF CONSTRUCTION ASSOCIATED WITH THIS PRO ECT. THE CONTRACTOR SHALL COORDINATE HIS OPERATIONS AND COOPERATE WITH MAINTENANCE CREWS WORKING ON THE AIRPORT. COORDINATION WITH APPROPRIATE GOVERNMENT AND UTILITY AGENCIES IS ALSO RE UIRED.

6. ACCESS TO THE SITE - THE CONTRACTOR'S ACCESS POINTS TO THE SITE ARE SHOWN ON THE GENERAL PRO ECT LAYOUT PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL VEHICLES AND PERSONNEL WHO ENTER THE AIRPORT. GATE GUARDS, PREVENTING ACCESS BY UNAUTHORI ED PERSONNEL, SHALL BE PROVIDED WHEN GATES ARE LEFT OPEN FOR CONTINUOUS ACCESS. GATES SHALL BE LOCKED WHEN NOT IN USE.

7. HAUL ROUTES - THE CONTRACTOR'S ON-AIRPORT HAUL ROUTES ARE SHOWN ON THE SAFETY AND PHASING PLANS. UNLESS SPECIFICALLY NOTED, THE CONTRACTOR WILL NOT BE PERMITTED TO TRAVEL ALONG RUNWAY/TAXIWAY PAVEMENTS. ANY DEBRIS (WHETHER CAUSED BY THE CONTRACTOR OR NOT) SHALL BE REMOVED IMMEDIATELY FROM ACTIVE AIRFIELD PAVEMENTS.

8. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE OFF-SITE HAUL ROUTES (STATE HIGHWAYS, COUNTY ROADS, OR CITY STREETS) WITH THE APPROPRIATE OWNER WHO HAS URISDICTION OVER THE AFFECTED ROUTE. ON-SITE PAVEMENTS USED AS HAUL ROUTES SHALL BE MAINTAINED BY THE CONTRACTOR AND SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE TO THEIR BEFORE CONSTRUCTION CONDITION UPON COMPLETION OF BEING USED AS A HAUL ROUTE. THE BEFORE AND AFTER CONDITION OF ON-SITE HAUL ROUTES SHALL BE OINTLY INSPECTED AND DETERMINED BY THE CONTRACTOR AND THE RPR.

9. FENCING, DRAINAGE, GRADING AND OTHER MISCELLANEOUS CONSTRUCTION RE UIRED TO CONSTRUCT TEMPORARY HAUL ROUTES OR ACCESS POINTS ON THE AIRPORT WILL BE THE CONTRACTOR'S TOTAL RESPONSIBILITY AND SHALL BE APPROVED BY THE RPR PRIOR TO COMMENCING THE WORK. THIS WORK IS CONSIDERED PART OF MAINTENANCE AND PROTECTION OF TRAFFIC (SPECIFICATION SECTION M-100) AND NO SEPARATE PAYMENT WILL BE MADE. ALL ON-SITE ACCESS ROUTES TO AIRPORT FACILITIES SHALL REMAIN OPEN AND MAINTAINED AT ALL TIMES.

10. CONTRACTOR'S STAGING AREAS - AREAS ARE AVAILABLE FOR CONTRACTOR'S MOBILI ATION AND STORAGE. THESE AREAS ARE SHOWN ON THE GENERAL PRO ECT LAYOUT AND SAFETY AND PHASING PLANS. THE CONTRACTOR'S OFF PAVEMENT STAGING AREAS SHALL BE GRADED, TOPSOILED AND SEEDED (HYDRO SEED) UPON COMPLETION OF USE. THIS WORK IS CONSIDERED PART OF MOBILI ATION (FAA GENERAL CONSTRUCTION ITEM C-105) AND NO SEPARATE PAYMENT WILL BE MADE.

11. DISPOSAL AREA - A DISPOSAL AREA FOR SALVAGEABLE AND NON-SALVAGEABLE MATERIAL WILL NOT BE AVAILABLE ON AIRPORT PROPERTY. THE CONTRACTOR'S WASTE MATERIALS, SHALL BE DISPOSED OF OFF AIRPORT PROPERTY. WASTE MATERIALS INCLUDE THOSE ITEMS WHICH ARE A DIRECT RESULT OF CONSTRUCTION. TRASH, (I.E. CUPS, CANS, ETC.) SHALL BE DISPOSED OF THROUGH PROPER SANITARY METHODS.

12. SAFETY - THE CONTRACTOR SHALL CONDUCT HIS ACTIVITIES IN A SAFE MANNER AS SPECIFIED IN THE SECTION TITLED, "CONTRACTORS SAFETY RE UIREMENTS DURING CONSTRUCTION" ON THIS SHEET.

13. PROTECTION OF AND REPAIR TO EXISTING CABLES - LOCATIONS OF KNOWN EXISTING AIRPORT UNDERGROUND CABLES ARE SHOWN ON THE PLANS AND MUST BE VERIFIED BY THE CONTRACTOR. REPAIR OF DAMAGED CABLES MUST BE STARTED IMMEDIATELY AND CONTINUED UNTIL COMPLETED. ALL SUCH REPAIRS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND/OR AS RE UIRED BY THE UTILITY OWNER AND SHALL BE AT THE CONTRACTOR'S EXPENSE. IF FAA CABLES ARE DAMAGED, REPAIRS SHALL BE DONE IN ACCORDANCE WITH FAA RE UIREMENTS AND IN THE PRESENCE OF AN FAA REPRESENTATIVE. THE FAA MAY ELECT TO HAVE THE REPAIR PERFORMED BY OTHERS, IN WHICH CASE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING THE INCURRED COSTS OF REPAIRS.

14. EXISTING AIRFIELD LIGHTING SYSTEMS - CONTRACTOR SHALL NOT COME IN CONTACT WITH ANY EXISTING AIRFIELD LIGHTING SYSTEMS NOT NECESSARY TO COMPLETE THE WORK OUTLINED IN THE CONTRACT DOCUMENTS.

15. CONSTRUCTION LIMITS - ALL CONTRACTOR VEHICLES AND TRAFFIC (UNLESS OTHERWISE AUTHORI ED) SHALL REMAIN WITHIN THE DESIGNATED CONSTRUCTION LIMITS OR HAUL ROUTES. CONSTRUCTION, STORAGE AND STOCKPILING LIMITS ARE FURTHER DEFINED IN THE SECTION TITLED, "CONTRACTORS SAFETY RE UIREMENTS DURING CONSTRUCTION" ON THIS SHEET.

16. THE CONTRACTOR SHALL OBTAIN ALL LICENSES RE UIRED FOR THE PRO ECT WORK AT HIS OWN EXPENSE.

17. GEOMETRY FOR THIS PRO ECT IS BASED ON FIELD SURVEY PROVIDED BY SAM LAND SURVEY IN OCTOBER 2024.

18. EXCAVATION - THE CONTRACTOR MUST ADHERE WITH ALL CURRENT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS EFFECTIVE ANUARY 1, 2004 FOR TITLE 29 CFR PART 1926, AS AMENDED, AS WELL AS THE STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, CURRENT EDITION AT THE TIME OF BIDDING.

19. PRIOR TO REOPENING TEMPORARILY CLOSED AIRFIELD PAVEMENTS, THE AREA MUST BE THOROUGHLY CLEANED OF ALL DEBRIS AND INSPECTED AND APPROVED BY THE RPR AND AIRPORTS OPERATIONS, AND ALL TRENCHES OR EXCAVATIONS WITHIN THE RSA MUST BE BACKFILLED COVERED IN ACCORDANCE WITH FAA AC 150/5370-2G.

20. CONTRACTOR'S PERSONNEL SHALL PARK IN DESIGNATED AREAS. NO CONTRACTOR'S PERSONNEL OR E UIPMENT SHALL BE PERMITTED TO USE THE AIRPORT PARKING LOTS.

CONTRACTORS SAFETY RE UIREMENTS DURING CONSTRUCTION:

A FEDERAL AVIATION ADMINISTRATION (FAA) ADVISORY CIRCULARS (AC), ORDERS AND FEDERAL AVIATION REGULATIONS (FAR).

THE FOLLOWING PUBLICATIONS CONTAIN DEFINITIONS/DESCRIPTIONS OF CRITICAL AIRPORT OPERATING AREAS. THE AREAS DEFINED BELOW PERTAIN TO AIRFIELD SAFETY RE UIREMENTS AND ARE REFERENCED THROUGHOUT THE CONTRACT DOCUMENTS. COPIES OF THESE PUBLICATIONS ARE AVAILABLE THROUGH THE FAA AND CAN BE REVIEWED AT THE OFFICES OF WESTCHESTER COUNTY AIRPORT.

1. AC 150/5370-2, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION", CURRENT EDITION, SETS FORTH GUIDELINES TO ASSIST AIRPORT OPERATORS IN COMPLYING WITH F A R PART 139, "CERTIFICATION AND OPERATION: LAND AIRPORTS SERVING CERTAIN AIR CARRIERS" AND WITH THE RE UIREMENTS OF FEDERALLY FUNDED CONSTRUCTION PRO ECTS.

2. F A R PART 77 "SAFE, EFFICIENT USE, AND PRESERVATION OF THE NAVIGABLE AIRSPACE," CURRENT EDITION:

   (A) ESTABLISHES STANDARDS FOR DETERMINING OBSTRUCTIONS TO NAVIGABLE AIRSPACE. CIVIL AIRPORT IMAGINARY SURFACES ARE DEFINED IN THE PUBLICATION AND ARE SHOWN ON THE CONSTRUCTION SAFETY/PHASING NOTES AND DETAILS.

   (B) SETS FORTH RE UIREMENTS FOR NOTICE OF CERTAIN PROPOSED CONSTRUCTION OR ALTERATION. NOTICE OF CONSTRUCTION PROVIDES A BASIS FOR RECOMMENDATIONS FOR IDENTIFYING THE CONSTRUCTION OR ALTERATION IN ACCORDANCE WITH AC 70/7460-1 "OBSTRUCTION MARKING AND LIGHTING," CURRENT EDITION.

3. AC 150/5300-13. "AIRPORT DESIGN", CURRENT EDITION, ESTABLISHES DESIGN, OPERATIONAL, AND MAINTENANCE STANDARDS FOR AIRPORTS. STANDARD TERMS DEFINED IN THIS AC AND USED IN THE CONTRACT PLANS AND SPECIFICATIONS ARE DEFINED BELOW:

   (A) OBSTACLE FREE ONE (OF) - A VOLUME OF SPACE WHICH IS FREE OF ALL FIXED OB ECTS AND CLEAR OF VEHICLES IN THE PROXIMITY OF AN AIRPLANE CONDUCTING AN APPROACH, MISSED APPROACH, LANDING, TAKEOFF, OR DEPARTURE. AN OF TYPICAL SECTION IS SHOWN ON CONSTRUCTION SAFETY PHASING NOTES AND DETAILS.

   (B) RUNWAY PROTECTION ONE (RP): A TRAPE OIDAL AREA CENTERED ON THE RUNWAY BEGINNING AT A POINT 200 FEET BEYOND THE END OF THE AREA USABLE FOR TAKEOFF OR LANDING. THE RP IS SHOWN ON THE GENERAL PRO ECT LAYOUT PLAN.

   (C) OB ECT FREE AREA (OFA): A TWO DIMENSIONAL GROUND AREA SURROUNDING RUNWAYS, TAXIWAYS, AND TAXILANES WHICH IS CLEAR OF OB ECTS EXCEPT FOR OB ECTS WHOSE LOCATION IS FIXED BY FUNCTION.

   (D) SAFETY AREA - THE SURFACE AD ACENT TO RUNWAYS, TAXIWAYS, AND TAXILANES OVER WHICH AIRCRAFT SHOULD, IN DRY WEATHER, BE ABLE TO CROSS AT NORMAL SPEEDS WITHOUT INCURRING SIGNIFICANT DAMAGE. A SAFETY AREA IS GRADED, DRAINED AND COMPACTED. IT IS FREE OF ANY HOLES, TRENCHES, BUMPS OR OTHER SIGNIFICANT SURFACE VARIATIONS OR OB ECTS OTHER THAN THOSE WHICH MUST BE THERE BECAUSE OF THEIR ESSENTIAL AERONAUTICAL FUNCTION. THE SAFETY AREA RE UIRES THE CAPABILITY OF SUPPORTING MAINTENANCE VEHICLES AND AIRCRAFT RESCUE AND FIRE FIGHTING (ARFF) VEHICLES UNDER NORMAL (DRY) CONDITIONS.

B GENERAL SAFETY RE UIREMENTS

1. THE CONTRACTOR SHALL AC UAINT HIS SUPERVISORS AND EMPLOYEES WITH THE AIRPORT ACTIVITY AND OPERATIONS THAT ARE INHERENT TO WESTCHESTER COUNTY AIRPORT AND SHALL CONDUCT HIS CONSTRUCTION ACTIVITIES TO CONFORM TO ALL ROUTINE AND EMERGENCY AIR TRAFFIC RE UIREMENTS AND GUIDELINES FOR SAFETY SPECIFIED HEREIN. CONTRACTOR'S MUST ATTEND SECURITY/GROUND VEHICLE OPERATIONS TRAINING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL SAFETY DEVICES AS RE UIRED FOR THE PROTECTION OF HIS PERSONNEL.

2. PROTECTION OF ALL PERSONS SHALL BE PROVIDED THROUGHOUT THE PROGRESS OF THE WORK. THE WORK SHALL PROCEED IN SUCH A MANNER AS TO PROVIDE SAFE CONDITIONS FOR ALL WORKERS AND GOVERNMENT PERSONNEL. THE SE UENCE OF OPERATION SHALL BE SUCH THAT MAXIMUM PROTECTION IS AFFORDED TO INSURE THAT AIRPORT PERSONNEL AND WORKERS IN THE WORK AREA ARE NOT SUB ECT TO ANY DANGEROUS CONDITIONS. THE CONTRACTOR MUST PROVIDE SAFETY MEASURES TO GUARD AGAINST IN URY.

3. DURING PERFORMANCE OF THIS CONTRACT, THE AIRPORT RUNWAYS, TAXIWAYS, AND AIRCRAFT PARKING APRONS SHALL REMAIN IN USE BY AIRCRAFT TO THE MAXIMUM EXTENT POSSIBLE. ALL AIRCRAFT TRAFFIC ON THESE AREAS SHALL HAVE PRIORITY OVER CONTRACTOR'S TRAFFIC. THE OWNER RESERVES THE RIGHT TO ORDER THE CONTRACTOR AT ANY TIME TO VACATE ANY AREA NECESSARY TO MAINTAIN SAFE AIRCRAFT OPERATIONS. USE OF AREAS NEAR THE CONTRACTOR'S WORK WILL BE CONTROLLED TO MINIMI E DISTURBANCE TO THE CONTRACTOR'S OPERATION. THE CONTRACTOR SHALL NOT ALLOW EMPLOYEES, SUBCONTRACTORS, SUPPLIERS, OR ANY OTHER UNAUTHORI ED PERSON TO ENTER OR REMAIN IN ANY AIRPORT AREA WHICH WOULD BE HA ARDOUS TO PERSONS OR TO AIRCRAFT OPERATIONS.

4. ALL WORK TO BE PERFORMED WHICH IS TOO CLOSE TO AN ACTIVE RUNWAY, TAXIWAY OR APRON UNDER OPERATIONAL CONDITIONS SHALL BE PERFORMED WHEN THE RUNWAY, TAXIWAY OR APRON IS NOT IN USE AND IS CLOSED. SUCH WORK SHALL NOT BE ACCOMPLISHED WITHOUT PRIOR PERMISSION FROM THE RPR. RE UESTED CLOSINGS SHALL BE DIRECTED TO THE RPR AT LEAST TWO FULL WORKING DAYS IN ADVANCE. LIGHTED RUNWAY CLOSURE MARKERS ARE AVAILABLE FOR USE FROM THE OWNER.

C CONSTRUCTION AND FACILITIES MAINTENANCE

1. THE CONTRACTOR SHALL BE AWARE OF AND PREVENT THE FOLLOWING TYPES OF SAFETY PROBLEMS AND/OR HA ARDS FROM OCCURRING:

   (A) TRENCHES, HOLES, OR EXCAVATION ON OR AD ACENT TO ANY OPEN RUNWAY OR IN SAFETY AREAS.

   (B) UNMARKED/UNLIGHTED HOLES OR EXCAVATION IN ANY APRON, OPEN TAXIWAY, OPEN TAXILANE, OR RELATED SAFETY AREA.

   (C) MOUNDS OR PILES OF EARTH, CONSTRUCTION MATERIALS, TEMPORARY STRUCTURES, OR OTHER OB ECTS IN THE VICINITY OF THE OPEN RUNWAY, TAXIWAYS, TAXILANES, OR IN A RELATED SAFETY APPROACH OR DEPARTURE AREA.

   (D) VEHICLES OR E UIPMENT, WHETHER OPERATING OR IDLE, ON ANY OPEN RUNWAY, TAXIWAY, TAXILANE, OR IN ANY RELATED SAFETY APPROACH OR DEPARTURE AREA.

   (E) VEHICLES, E UIPMENT, EXCAVATION, STOCKPILES, OR OTHER MATERIALS WHICH COULD DEGRADE OR OTHERWISE INTERFERE WITH ELECTRONIC SIGNALS FROM RADIOS OR ELECTRONIC NAVIGATIONAL AIDS (NAVAIDS).

   (F) PAVEMENT DROP-OFFS OR PAVEMENT TURF-LIPS (EITHER PERMANENT OR TEMPORARY) WHICH COULD CAUSE DAMAGE TO AIRCRAFT IF CROSSED AT NORMAL OPERATING SPEEDS. THE NORMAL MAXIMUM DROP-OFF OR LIP IS 1-1/2 INCHES.

   (G) UNMARKED UTILITY, NAVAID, WEATHER SERVICE, RUNWAY LIGHTING, OR OTHER POWER OR SIGNAL CABLES THAT COULD BE DAMAGED DURING CONSTRUCTION.

   (H) OB ECTS, WHETHER OR NOT MARKED OR FLAGGED, OR ACTIVITIES ANYWHERE ON OR IN THE VICINITY OF AIRPORT WHICH COULD BE DISTRACTING, CONFUSING, OR ALARMING TO PILOTS DURING AIRCRAFT OPERATIONS.

   (I) UNFLAGGED/UNLIGHTED LOW VISIBILITY ITEMS SUCH AS TALL CRANES, DRILLS, AND THE LIKE ANYWHERE IN THE VICINITY OF ACTIVE RUNWAYS, OR IN ANY APPROACH OR DEPARTURE AREAS.

   ( ) MISLEADING OR MALFUNCTIONING OBSTRUCTION LIGHTS OR UNLIGHTED/UNMARKED OBSTRUCTIONS IN THE APPROACH TO ANY ACTIVE RUNWAY.

   (K) INADE UATE APPROACH/DEPARTURE SURFACES (THESE SURFACES ARE NEEDED TO ASSURE ADE UATE LANDING/TAKEOFF CLEARANCE OVER OBSTRUCTIONS, OR WORK OR STORAGE AREAS).

   (L) INADE UATE, CONFUSING OR MISLEADING (TO USER PILOTS) MARKING/LIGHTING OF RUNWAYS, TAXIWAYS, OR TAXILANES (INCLUDING DISPLACED OR RELOCATED THRESHOLDS).

   (M) WATER, SNOW, DIRT, DEBRIS, OR OTHER TRANSIENT ACCUMULATION WHICH TEMPORARILY OBSCURES PAVEMENT MARKINGS OR PAVEMENT EDGES, OR REDUCES VISIBILITY OF RUNWAY/TAXIWAY MARKINGS OR LIGHTING.

   (N) INADE UATE OR IMPROPER METHODS OF MARKING, BARRICADING, AND LIGHTING OF TEMPORARILY CLOSED PORTIONS OF THE AIRPORT OPERATIONS AREA.

   (O) TRASH OR OTHER MATERIALS WITH FOREIGN OB ECT DAMAGE (FOD) POTENTIAL WHETHER ON RUNWAYS, TAXIWAYS, OR APRONS OR IN RELATED SAFETY AREAS.

   (P) INADE UATE BARRICADING OR OTHER MARKING WHICH IS PLACED TO SEPARATE CONSTRUCTION OR MAINTENANCE AREAS FROM OPEN AIRCRAFT OPERATING AREAS.

   ( ) FAILURE TO CONTROL UNAUTHORI ED VEHICLE AND HUMAN ACCESS FROM ACTIVE AIRCRAFT OPERATING AREAS.

   (R) FAILURE TO MAINTAIN RADIO COMMUNICATION BETWEEN CONSTRUCTION/MAINTENANCE VEHICLES AND AIR TRAFFIC CONTROL TOWER.

   (S) CONSTRUCTION/MAINTENANCE ACTIVITIES OR MATERIALS WHICH COULD HAMPER THE RESPONSE OF AIRCRAFT RESCUE AND FIRE FIGHTING (ARFF) OR OTHER EMERGENCY E UIPMENT FROM REACHING AIRCRAFT, ALL OR ANY PART OF THE RUNWAY/TAXIWAY SYSTEM, RUNWAY APPROACH AND DEPARTURE AREAS AND TO AIRCRAFT PARKING LOCATIONS.

   (T) BIRD AND OTHER WILDLIFE ATTRACTANTS ON AIRPORT SUCH AS: EDIBLES (FOOD SCRAPS, ETC.), MISCELLANEOUS TRASH, OR PONDED WATER.

   (U) SMOKING IN THE AIRPORT SECURE IDENTIFICATION DISPLAY AREA (SIDA) AND AIR OPERATIONS AREA (AOA) IS NOT PERMITTED.

   (V) LIGHTING THAT COMPROMISES THE ATCT'S VISIBILITY OR THAT IS POSITIONED SUCH THAT IT FACES INTO ANY RUNWAY APPROACH WHERE IT MIGHT CAUSE CONFUSION TO PILOTS. USE OF PORTABLE FLOODLIGHTING SHALL BE COORDINATED WITH HPN OPERATIONS AND THE RPR. THE CONTRACTOR SHALL PROVIDE PORTABLE FLOODLIGHTING AS RE UIRED FOR NIGHT CONSTRUCTION OPERATIONS.

2. THE CONTRACTOR SHALL CONDUCT ACTIVITIES SO AS NOT TO VIOLATE ANY SAFETY STANDARDS CONTAINED HEREIN. THE CONTRACTOR SHALL INSPECT ALL CONSTRUCTION AND STORAGE AREAS AS OFTEN AS NECESSARY AND PROMPTLY TAKE ALL STEPS NECESSARY TO PREVENT/REMEDY ANY UNSAFE OR POTENTIALLY UNSAFE CONDITIONS OR ACTIVITIES DISCOVERED.

3. BEFORE ACTUAL COMMENCEMENT OF CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL NOTIFY, IN WRITING, AT LEAST 48 HOURS IN ADVANCE, THE AIRPORT MANAGER OF HIS INTENTIONS OF CONSTRUCTION, STATING THE PROPOSED TIME, DATE, AND AREA OF WHICH COMMENCEMENT IS TO OCCUR.

   UPON COMPLETION OF WORK AND RETURN OF ALL RELATED AREAS TO STANDARD CONDITIONS, THE CONTRACTOR SHALL AGAIN NOTIFY THE AIRPORT MANAGER, IN WRITING, AND DESCRIBE THE AREA THAT IS COMPLETE AND AVAILABLE FOR NORMAL AIRPORT OPERATIONS.

   THE OPERATIONS SUPERVISOR WILL BE RESPONSIBLE FOR ISSUING APPROPRIATE NOTICE TO AIR MISSIONS (NOTAM) CONCERNING CONSTRUCTION ACTIVITY ON THE AIRFIELD.

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BID DOCUMENTS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

GENERAL CONSTRUCTION AND SAFETY NOTES 1

CONTRACT NUMBER:	SHEET NUMBER:
25-503	GI004
DWG NO.:	4 of 99
SCALE:	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-G-502-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\GI004_2 GENERAL CONSTRUCTION AND SAFETY NOTES.dwg LAYOUT NAME: GI004 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 2:44pm

CONTRACTORS SAFETY RE UIREMENTS DURING CONSTRUCTION (CONT.):

D MOTORI ED VEHICLES

1. ANY VEHICLE OPERATING IN THE SIDA DURING THE HOURS OF DARKNESS SHALL BE E UIPPED WITH A FLASHING AMBER (YELLOW) DOME-TYPE LIGHT, MOUNTED ON TOP OF THE VEHICLE AND OF SUCH INTENSITY TO CONFORM TO LOCAL CODES FOR MAINTENANCE AND EMERGENCY VEHICLES. DARKNESS SHALL BE DEFINED AS ONE HOUR BEFORE OFFICIAL SUNSET UNTIL ONE HOUR AFTER SUNRISE.

   ALL VEHICLES OPERATING WITHIN THE AIRFIELD BOUNDARY SHALL BE IDENTIFIED WITH A SIGN ON EACH SIDE OF THE VEHICLE BEARING THE CONTRACTOR'S NAME. THE MINIMUM SI E FOR LETTERING ON THE VEHICLE SIGNS IS 12 INCHES. IN ADDITION ALL CONSTRUCTION VEHICLES OPERATING IN THE AIRFIELD MUST BE ISSUED AND DISPLAY AN AIRPORT VEHICLE ID TAG. FURTHER RE UIREMENTS CAN BE FOUND BY REVIEWING AC 150/5210-5, "PAINTING, MARKING, AND LIGHTING OF VEHICLES USED ON AN AIRPORT", CURRENT EDITION, AVAILABLE THROUGH THE FAA AND AT THE OFFICES OF WESTCHESTER COUNTY AIRPORT.

   VEHICLES MAKING ONLY OCCASIONAL VISITS TO THE OB SITE ARE EXEMPT FROM THE IDENTIFICATION RE UIREMENTS CONTAINED HEREIN PROVIDED THAT THEY ARE ESCORTED INTO, THROUGH, AND OUT OF THE SIDA BY A PROPERLY IDENTIFIED VEHICLE.

E RADIO COMMUNICATIONS

1. HPN OPERATIONS SHALL PROVIDE COMMUNICATIONS BETWEEN THE CONTRACTOR AND THE AIR TRAFFIC CONTROL TOWER (ATCT) FOR ALL RE UIRED WORK . TWR/CTAF FRE UENCY 118.575 SHALL BE MONITORED WHILE THE TOWER IS CLOSED BETWEEN 11:00 PM AND 6:00 AM.

F DEBRIS

1. DEBRIS, WASTE, AND LOOSE MATERIAL (INCLUDING DUST AND DIRT) CAPABLE OF CAUSING DAMAGE TO AIRCRAFT LANDING GEAR OR PROPELLERS, OR BEING INGESTED IN ET ENGINES, SHALL NOT BE ALLOWED ON ACTIVE AIRCRAFT MOVEMENT AREAS OR AD ACENT GRASSED AREAS. MATERIALS OBSERVED TO BE WITHIN THESE AREAS SHALL BE REMOVED IMMEDIATELY AND/OR CONTINUOUSLY BY THE CONTRACTOR. THE CONTRACTOR SHALL HAVE AT LEAST TWO (2) VACUUM SWEEPERS AND OPERATORS ON SITE AND READY AT ALL TIMES DURING CONSTRUCTION ACTIVITY WHERE TRAVEL ON OR ACROSS RUNWAYS, RAMP AREAS, TAXIWAYS, OR AIRCRAFT APRONS IS RE UIRED, THE CONTRACTOR SHALL PROVIDE ADE UATE PERSONNEL AND E UIPMENT TO KEEP SUCH SURFACES CLEAR OF DEBRIS. THE CONTRACTOR SHALL ALSO MAINTAIN A WATER TRUCK ON SITE FOR DUST CONTROL PURPOSES.

G FLAGMEN

1. ALL CONTRACTOR VEHICLES THAT ARE RE UIRED TO CROSS ACTIVE RUNWAYS, TAXIWAYS AND APRONS SHALL DO SO UNDER THE DIRECT CONTROL OF A COMPETENT FLAGMAN WHO IS IN DIRECT RADIO CONTACT WITH GROUND CONTROL. ALL AIRCRAFT TRAFFIC ON RUNWAYS, TAXIWAYS, AND APRONS SHALL HAVE PRIORITY OVER CONTRACTOR'S TRAFFIC. AT NO TIME SHALL THE CONTRACTOR'S VEHICLES OR PERSONNEL BE ALLOWED TO ENTER OR CROSS ACTIVE RUNWAYS, TAXIWAYS, SAFETY AREAS, OB ECT FREE AREAS, OR RUNWAY PROTECTION ONES WITHOUT PROPER AUTHORI ATION OBTAINED THROUGH GROUND CONTROL.

H MISCELLANEOUS

1. OPEN FLAME, WELDING OR TORCH CUTTING OPERATIONS ARE PROHIBITED UNLESS ADE UATE FIRE AND SAFETY PRECAUTIONS HAVE BEEN TAKEN AND THE PROCEDURE PREVIOUSLY APPROVED BY THE RPR.

2. E UIPMENT AND STOCKPILED MATERIAL SHALL BE CONSTRAINED IN A MANNER TO PREVENT MOVEMENT RESULTING FROM AIRCRAFT ET BLAST OR WIND CONDITIONS IN EXCESS OF 10 KNOTS.

3. THE CONTRACTOR SHALL PROVIDE LOW-PROFILE CONSTRUCTION BARRICADES WITH FLASHING RED LIGHTS AS SHOWN ON THE DRAWINGS TO DELINEATE THE WORK AREAS WHEN CLOSED TO AIRPORT TRAFFIC. OPEN TRENCHES, EXCAVATIONS AND STOCKPILED MATERIAL LOCATED IN THE SIDA SHALL BE PROMINENTLY MARKED WITH LOW-PROFILE BARRICADES DURING HOURS OF LIMITED VISIBILITY AND DARKNESS. THE TOFA SHALL BE DELINEATED USING E UIPMENT FLAGS.

4. ALL MATERIALS AND E UIPMENT WHEN NOT IN USE SHALL BE PLACED IN APPROVED AREAS WHERE THEY WILL NOT CONSTITUTE A HA ARD TO AIRCRAFT OPERATIONS AND NOT PENETRATE CLEARANCE SURFACES DEFINED PREVIOUSLY AND SHOWN ON THE MAXIMUM E UIPMENT HEIGHT PLANS. E UIPMENT SHALL BE PARKED AT THE STAGING AREA WHEN NOT IN USE.

5. UPON COMPLETION OF ANY PHASE OF WORK, THE RPR WILL ARRANGE A PHYSICAL INSPECTION OF THE AREA WITH AIRPORT OPERATIONS PERSONNEL PRIOR TO OPENING ANY PORTION OR WHOLE TAXIWAY OR RAMP AREA THAT HAS BEEN CLOSED FOR WORK OR USED FOR A CROSSING POINT OR HAUL ROUTE BY THE CONTRACTOR. CONTRACTOR SHALL PROVIDE ADE UATE TIME IN THE SCHEDULE FOR THE AIRPORT OPERATIONS INSPECTION.

6. ENTRANCE TO THE AIRFIELD IS SUB ECT TO STRICT SECURITY REGULATIONS. ALL PERSONNEL ENTERING THE AIRFIELD MAY BE SUB ECT TO A BACKGROUND CHECK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING THAT ALL OF HIS EMPLOYEES WHO NEED TO HAVE ACCESS TO THE AIRFIELD, HAVE INFORMATION AVAILABLE FOR A BACKGROUND CHECK TO BE PERFORMED, DATING BACK TEN (10) YEARS VERIFYING REPRESENTATIONS MADE BY THE EMPLOYEE RELATING TO EMPLOYMENT.

7. THE CONTRACTOR SHALL PROVIDE THE RPR AND AIRPORT MANAGER A CURRENT LIST OF ALL EMPLOYEES WORKING ON THE AIRPORT. THE LIST SHALL BE MAINTAINED CURRENT BY THE CONTRACTOR AND APPLIES TO BOTH THE CONTRACTOR AND SUBCONTRACTORS.

8. THE CONTRACTOR SHALL FAMILIARI E HIS PERSONNEL WITH CLEARANCES NEEDED TO PROVIDE FOR THE SAFE OPERATION OF APRONS AND TAXIWAYS AS SHOWN IN THE PLANS AND WITH STAKES/FLAGS OUT IN THE FIELD.

9. EXCEPT FOR EMERGENCIES, ALL CONTACT WITH AIRPORT PERSONNEL SHALL BE MADE THROUGH THE RPR. FOR EMERGENCIES INVOLVING SAFETY (IN URIES, FIRES, SECURITY BREACHES, ETC.) THE CONTRACTOR SHALL MAKE DIRECT CONTACT WITH AIRPORT MANAGER FOLLOWED BY NOTIFICATION TO THE RPR AS SOON AS POSSIBLE.

10. THE CONTRACTOR SHALL PROVIDE THE PHONE NUMBERS OF THREE PERSONNEL, INCLUDING THE PRO ECT SUPERINTENDENT, WHO MAY BE CONTACTED IN AN EMERGENCY. PERSONNEL SHALL BE ON CALL 24 HOURS PER DAY FOR MAINTAINING AIRPORT HA ARD LIGHTING AND BARRICADES.

11. IN ACCORDANCE WITH THE SPECIFICATIONS, FEDERAL WAGE RATES SHALL BE POSTED OUTSIDE THE SITE FIELD OFFICE(S) IN A WEATHERPROOF ENCLOSURE.

I UTILITIES

1. UNDERGROUND UTILITIES: THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE CONSIDERED TO BE ONLY APPROXIMATED LOCATIONS. ALL UTILITY LOCATIONS SHALL BE FIELD VERIFIED BY CONTRACTOR PRIOR TO COMMENCING CONSTRUCTION. IN THE EVENT ANY UTILITY IS DAMAGED THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING FOR INCURRED COSTS OF REPAIRS.

2. UTILITIES NOTIFICATION: AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN AN AREA WHICH MAY INVOLVE UNDERGROUND UTILITY FACILITIES, THE CONTRACTOR SHALL NOTIFY THE RPR, AND THE OWNER OF EACH UNDERGROUND UTILITY FACILITY AFFECTED.

SECURITY

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARI E HIMSELF/HERSELF WITH THE VARIOUS ASPECTS OF TRANSPORTATION SECURITY ADMINISTRATION (TSA) SECTION 1542 "AIRPORT SECURITY". ANY VIOLATION OF TSA SECTION 1542 BY THE CONTRACTOR AND ANY SUBSE UENT FINES IMPOSED DUE TO THE VIOLATION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

2. ALL VEHICLES TO BE USED ON THE AIRPORT SHALL BE REGISTERED WITH THE AIRPORT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT VEHICLES ARE REGISTERED IN A TIMELY MANNER SO AS NOT TO DELAY THE PRO ECT. VISITING VEHICLES ARE EXEMPT FROM THE REGISTRATION RE UIREMENTS SO LONG AS THEY ARE ESCORTED BY A REGISTERED VEHICLE AT ALL TIMES WHEN ON THE SIDA. ESCORTING SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

3. ALL VEHICLES, INCLUDING E UIPMENT, SHALL HAVE A PLACARD IDENTIFYING COMPANY NAME AS WELL AS A STICKER INDICATING SIDA ACCESS HAS BEEN GRANTED (TO BE OBTAINED FROM THE AIRPORT) FOR AN ADDITIONAL FEE.

4. THE PRO ECT SUPERVISORS SHALL HAVE WITH THEM AT ALL TIMES THE TELEPHONE NUMBERS FOR THE FOLLOWING PERSONS. IN THE EVENT OF AN EMERGENCY THESE PERSONNEL SHOULD BE CONTACTED IN DESCENDING ORDER:

   1 - AIRPORT OPERATIONS
   2 - RPR
   3 - DPW CONSTRUCTION INSPECTOR

   TELEPHONE NUMBERS WILL BE PROVIDED TO THE CONTRACTOR AT THE PRE-CONSTRUCTION MEETING. ADDITIONAL CONTACTS MAY BE PROVIDED TO THE CONTRACTOR AT THAT TIME.

5. AS CONSTRUCTION ACTIVITY IS CONDUCTED IN THE SIDA, KEY PRO ECT SITE SUPERVISORY PERSONNEL OF THE CONTRACTOR AND ITS SUBCONTRACTORS (TO INCLUDE CONSTRUCTION GATE GUARD PERSONNEL) SHALL BE ISSUED AIRPORT IDENTIFICATION (ID) BADGES. ALL INDIVIDUALS WHO RECEIVE AN AIRPORT BADGE ARE RE UIRED TO ATTEND A SECURITY TRAINING CLASS PROVIDED BY THE AIRPORT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPLICATIONS AND MAKE ALL NECESSARY ARRANGEMENTS TO ENABLE ITS PERSONNEL TO OBTAIN ID BADGES. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ENSURING THAT IT HAS SUFFICIENT SUPERVISORY AND CONSTRUCTION GATE PERSONNEL ON THE PRO ECT SITE WHENEVER WORK IS OCCURRING TO FULFILL THE RESPONSIBILITIES.

   PRO ECT SITE SUPERVISORY PERSONNEL ARE SUB ECT TO FEDERAL CRIMINAL RECORDS CHECKS AND MUST PROVIDE EMPLOYMENT VERIFICATION FORMS THAT COVER THE LAST TEN (10) YEARS OF EMPLOYMENT AND EDUCATION. INFORMATION ON THESE FORMS WILL BE VERIFIED BY THE AIRPORT. EMPLOYEES WHO OBTAIN SIDA BADGES ARE SUB ECT TO FINGERPRINT CHECK.

   PHOTO ID BADGES SHALL BE DISPLAYED ON THE OUTERMOST GARMENT ABOVE THE WAIST SO THEY CAN BE SEEN BY FAA, POLICE AND OTHER AIRPORT PERSONNEL.

6. SPECIFIC SECURITY MEASURES

   IN ACCORDANCE WITH SECTION X OF THE AIRPOLAW ENFORCEMENT RE UIRES THE FOLLOWING MEASURES FOR THE "RUNWAY 16-34 SHOULDERS AND EDGE LIGHTING REHABILITATION" PRO ECT BEING UNDERTAKEN IN THE AOA/SIDA AT HPN.

   A. CONTRACTOR WILL PROVIDE A SIGN IN SHEET CONTAINING THE IDENTITY OF ALL EMPLOYEES IN THE AOA/SIDA "IDENTITY" IS DEFINED AS NAME, ADDRESS AND DATE OF BIRTH, VERIFIABLE THROUGH A PHOTO ID.

   B. AS THE SIGN IN SHEET CHANGES DAILY, ADDITIONS MUST BE LISTED AND MADE AVAILABLE TO AIRPORT AUTHORITIES AND THE RPR. THE SIGN IN SHEET SHALL BE SENT TO THE AIRPORT OFFICES DAILY.

   C. CONTRACTOR WILL SELECT A GROUP OF EMPLOYEES WHO WILL OPERATE THE OPENING AND CLOSING OF THE GATES AND SUBMIT THOSE NAMES TO HPN AIRPORT AUTHORITIES FOR AN AUTHORI ATION PROCESS. THOSE EMPLOYEES NEED TO BE SUBMITTED TO THE AIRPORT SECURITY OFFICES AND UNDERGO TRAINING BY THE AIRPORT PRIOR TO AUTHORI ATION. AFTER AUTHORI ATION IS GRANTED, THOSE EMPLOYEES WILL BE RE UIRED TO IDENTIFY ALL PERSONS ENTERING THE GATE. THESE EMPLOYEES ARE SUB ECT TO FEDERAL CRIMINAL RECORDS CHECKS AND MUST PROVIDE EMPLOYMENT VERIFICATION FORMS THAT COVER THE LAST TEN (10)YEARS OF EMPLOYMENT AND EDUCATION.

   D. CONTRACTORS WILL ENSURE THAT ALL EMPLOYEES HAVE PHOTO ID. EMPLOYEES ARE SUB ECT TO BE CHALLENGED BY AIRPORT AUTHORITIES AND/OR TSA.

   E. AIRPORT AUTHORITIES WILL MAKE RANDOM CHECKS OF THE CONSTRUCTION AREA AND GATES WHILE CONSTRUCTION IS IN ONGOING.

LIST OF ABBREVIATIONS

APPROX	APPROXIMATE(LY)
CY	CUBIC YARD
DIA	DIAMETER
EA	EACH
ELEV	ELEVATION
FAA	FEDERAL AVIATION ADMINISTRATION
HDPE	HIGH DENSITY POLYETHYLENE
HPN	WESTCHESTER COUNTY AIRPORT
LF	LINEAR FOOT (FEET)
LHA	LIGHT HOUSING ASSEMBLY
LS	LUMP SUM
MAX	MAXIMUM
MIN	MINIMUM
NAD	NORTH AMERICAN DATUM
NAVD	NORTH AMERICAN VERTICAL DATUM
NTS	NOT TO SCALE
NYSDOT	NEW YORK STATE DEPARTMENT OF TRANSPORTATION
OFF	OFFSET
PACS	PRIMARY AIRPORT CONTROL STATION
PAPI	PRECISION APPROACH PATH INDICATOR
PCU	PAPI CONTROL UNIT
PVC	POINT OF VERTICAL CURVE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENT
RCP	REINFORCED CONCRETE PIPE
REIL	RUNWAY END IDENTIFIER LIGHTS
ROFA	RUNWAY OB ECT FREE AREA
RGS	RIGID GALVANI ED STEEL
RPU	REMOTE PROCESSING UNIT
RSA	RUNWAY SAFETY AREA
RVR	RUNWAY VISUAL RANGE
RW	RUNWAY
SACS	SECONDARY AIRPORT CONTROL STATION
SY	S UARE YARD
TD	TOUCHDOWN ONE
TW	TAXIWAY
TYP	TYPICAL
VC	VERTICAL CURVE LENGTH

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SEAL:

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

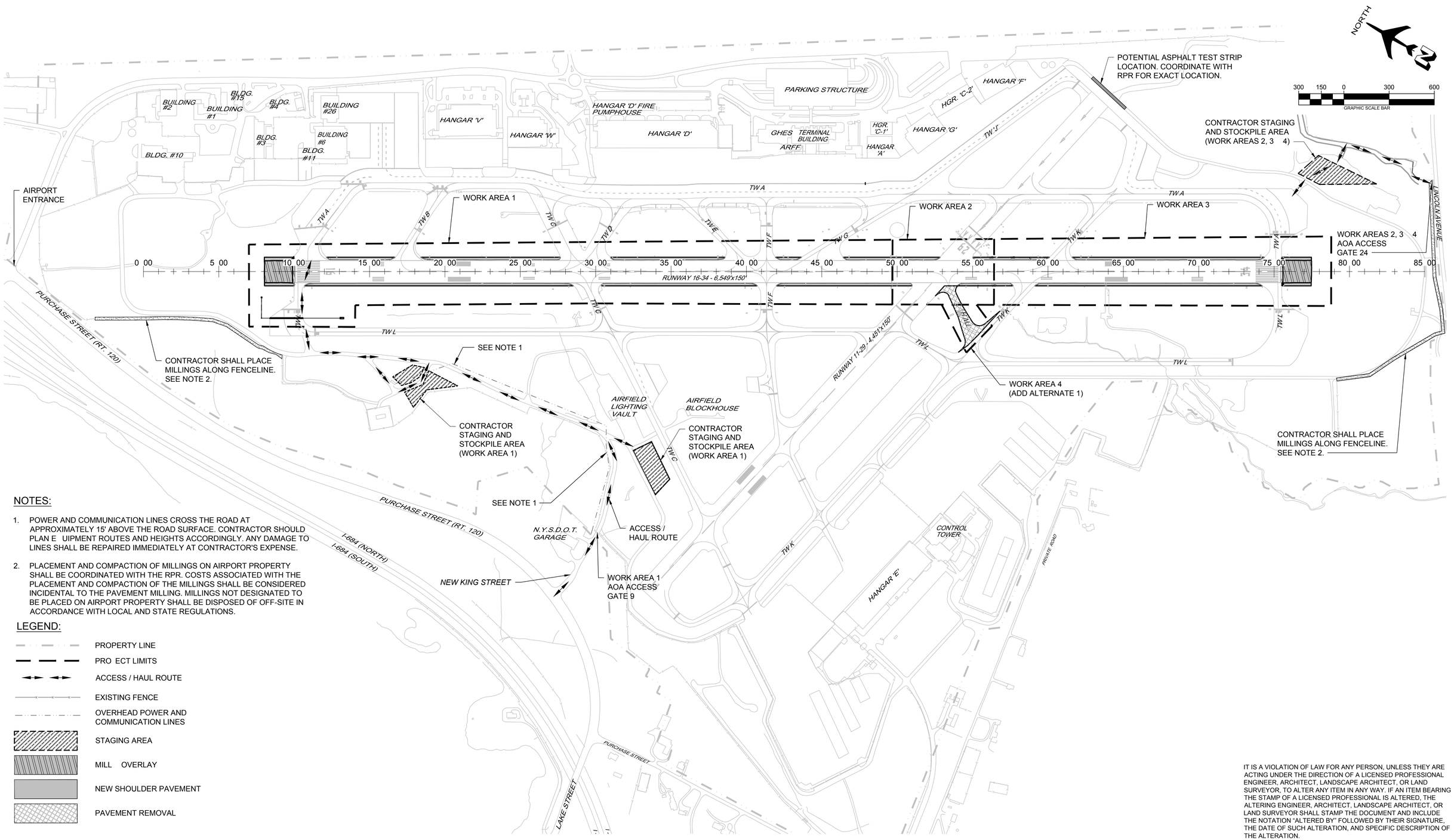
BID DOCUMENTS

WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
GENERAL CONSTRUCTION AND SAFETY NOTES 2

CONTRACT NUMBER: 25-503	SHEET NUMBER: GI005
DWG NO.: 5 of 99	
SCALE:	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-G-503-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\GI004_2 GENERAL CONSTRUCTION AND SAFETY NOTES.dwg LAYOUT NAME: GI005 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 2:44pm



NOTES:

1. POWER AND COMMUNICATION LINES CROSS THE ROAD AT APPROXIMATELY 15' ABOVE THE ROAD SURFACE. CONTRACTOR SHOULD PLAN E UIPMENT ROUTES AND HEIGHTS ACCORDINGLY. ANY DAMAGE TO LINES SHALL BE REPAIRED IMMEDIATELY AT CONTRACTOR'S EXPENSE.
2. PLACEMENT AND COMPACTION OF MILLINGS ON AIRPORT PROPERTY SHALL BE COORDINATED WITH THE RPR. COSTS ASSOCIATED WITH THE PLACEMENT AND COMPACTION OF THE MILLINGS SHALL BE CONSIDERED INCIDENTAL TO THE PAVEMENT MILLING. MILLINGS NOT DESIGNATED TO BE PLACED ON AIRPORT PROPERTY SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS.

LEGEND:

- PROPERTY LINE
- PRO ECT LIMITS
- ACCESS / HAUL ROUTE
- EXISTING FENCE
- OVERHEAD POWER AND COMMUNICATION LINES
- STAGING AREA
- MILL OVERLAY
- NEW SHOULDER PAVEMENT
- PAVEMENT REMOVAL

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BID DOCUMENTS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

WESTCHESTER COUNTY AIRPORT

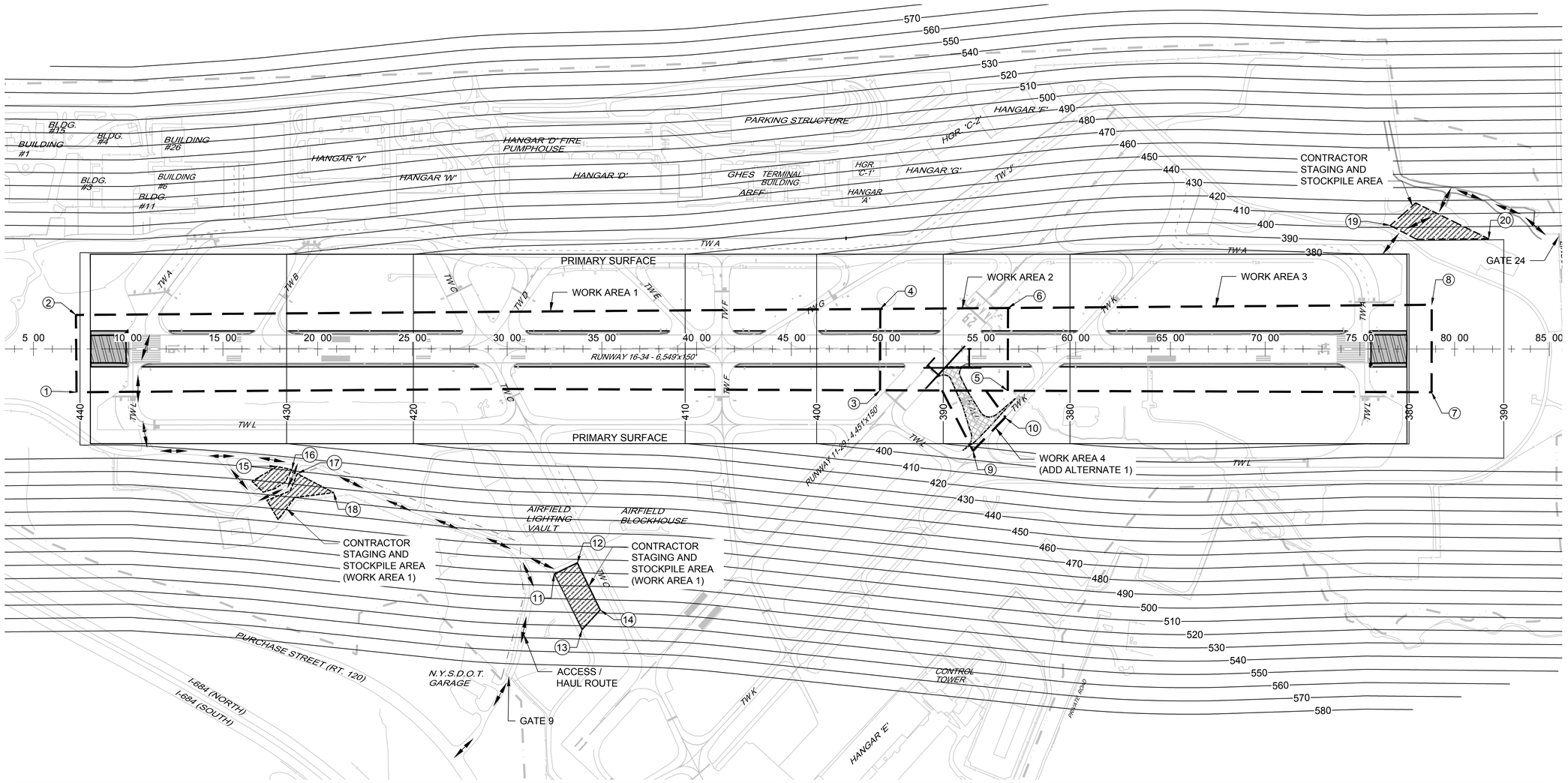
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

GENERAL PROJECT LAYOUT

CONTRACT NUMBER: 25-503	SHEET NUMBER: GC100
DWG NO.:	6 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-G-504-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\GC100 GENERAL PROJECT LAYOUT.dwg LAYOUT NAME: GC100 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 2:45pm



NOTES:

1. ALL ELEVATIONS SHOWN ON THIS PLAN ARE PROVIDED IN NAVD88 DATUM ABOVE MEAN SEA LEVEL (MSL). ALL HEIGHTS SHOWN ON THIS PLAN ARE ABOVE GROUND LEVEL (AGL).
2. EXISTING GROUND AND OF CONTOURS NOT SHOWN FOR CLARITY.
3. THIS PLAN WAS COORDINATED WITH THE FEDERAL AVIATION ADMINISTRATION (FAA). ANY RE UEST FOR E UIPMENT HIGHER THAN PERMITTED ON THIS PLAN SHALL BE RESUBMITTED BY THE CONTRACTOR (APPROVAL PERIOD UP TO 90 DAYS). THE PLAN IS INTENDED AS A GUIDE. CONTRACTOR TO CONFIRM WORK LIMITS WITH THE RPR.
4. ANY STOCKPILE OR E UIPMENT NOT IN USE SHALL AT NO TIME PENETRATE THE PART 77 CLEARANCE SURFACE. NOT IN USE IS DEFINED AS NO OPERATOR BEING AVAILABLE TO MOVE A PARTICULAR PIECE OF E UIPMENT FOR 10 MINUTES OR MORE.
5. OBSTACLE FREE ONE ELEVATIONS ARE CONTROLLED BY RUNWAY 11-29 WHEN RUNWAY IS OPEN DURING CONSTRUCTION. PART 77 ELEVATIONS ARE CONTROLLED BY RUNWAY 16-34 FOR PERMANENT HEIGHTS WHEN THE RUNWAY IS OPEN DURING DAYTIME.

LEGEND:

- WORK AREA LIMITS
- 450 – FAR PART 77 CONTOUR (MSL)
- 1 POINT NUMBER
- HAUL ROUTE
- CONTRACTOR STAGING / STOCKPILE AREA

MAXIMUM E UIPMENT AND STORAGE HEIGHTS

POINT NO.	NORTHING	EASTING	LATITUDE (N)	LONGITUDE (W)	SITE ELEV. (MSL)	PART 77 ELEV. (MSL)	OF ELEV. (MSL)	MAX. E UIP. HEIGHT (AGL)	MAX. STORAGE HEIGHT (AGL)
1	817818.3572	708674.3035	N041° 04' 33.19"	W073° 42' 52.27"	433.0	440.4	589.0	156.0	7.4
2	818028.8568	709023.6508	N041° 04' 35.24"	W073° 42' 47.68"	432.0	440.4	589.0	157.0	8.4
3	814173.7186	710841.9479	N041° 03' 56.99"	W073° 42' 24.40"	393.2	394.9	589.0	195.8	1.7
4	814391.0387	711212.3364	N041° 03' 59.10"	W073° 42' 19.54"	393.0	394.9	589.0	196.0	1.9
5	813592.5065	711182.9658	N041° 03' 51.21"	W073° 42' 20.02"	381.9	384.8	589.0	207.1	2.9
6	813813.5851	711559.7601	N041° 03' 53.36"	W073° 42' 15.07"	383.7	384.8	589.0	205.3	1.1
7	811663.3008	712314.8996	N041° 03' 32.05"	W073° 42' 05.47"	377.0	382.4	589.0	212.0	5.4
8	811897.4276	712712.6123	N041° 03' 34.33"	W073° 42' 00.25"	381.0	382.4	589.0	208.0	1.4
9	813589.1786	710817.2663	N041° 03' 51.21"	W073° 42' 24.79"	388.0	392.9	589.0	201.0	4.9
10	813530.3169	711053.5432	N041° 03' 50.61"	W073° 42' 21.72"	385.0	385.0	589.0	204.0	0.0

MAXIMUM E UIPMENT AND STORAGE HEIGHTS

POINT NO.	NORTHING	EASTING	LATITUDE (N)	LONGITUDE (W)	SITE ELEV. (MSL)	PART 77 ELEV. (MSL)	OF ELEV. (MSL)	MAX. E UIP. HEIGHT (AGL)	MAX. STORAGE HEIGHT (AGL)
11	815160.3228	709131.4669	N041° 04' 06.89"	W073° 42' 46.62"	399.0	511.4	589.0	190.0	112.4
12	815085.1982	709244.7947	N041° 04' 06.13"	W073° 42' 45.14"	402.0	502.6	589.0	187.0	100.6
13	814884.5326	708954.3019	N041° 04' 04.18"	W073° 42' 48.96"	397.0	552.8	589.0	192.0	155.8
14	814854.9063	709092.1349	N041° 04' 03.87"	W073° 42' 47.16"	399.0	537.7	589.0	190.0	138.7
15	816709.2185	708875.2145	N041° 04' 22.21"	W073° 42' 49.78"	440.0	448.0	589.0	149.0	8.0
16	816632.1120	708901.4169	N041° 04' 21.45"	W073° 42' 49.45"	433.0	449.2	589.0	156.0	16.2
17	816596.0961	708897.3437	N041° 04' 21.09"	W073° 42' 49.50"	432.0	451.9	589.0	157.0	19.9
18	816380.5348	708909.1602	N041° 04' 18.96"	W073° 42' 49.37"	431.0	463.2	589.0	158.0	32.2
19	812299.2249	712961.1901	N041° 03' 38.27"	W073° 41' 56.96"	389.0	401.4	589.0	200.0	12.4
20	811815.8971	713165.4336	N041° 03' 33.48"	W073° 41' 54.35"	389.0	390.7	589.0	200.0	1.7

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JKL
JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
307 SEVENTH AVENUE, ROOM 2302,
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SEAL: STATE OF NEW YORK · CEDRICK ANTHONY JOHNSON · No. 082909 · LICENSED PROFESSIONAL ENGINEER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

BID DOCUMENTS

WESTCHESTER COUNTY AIRPORT

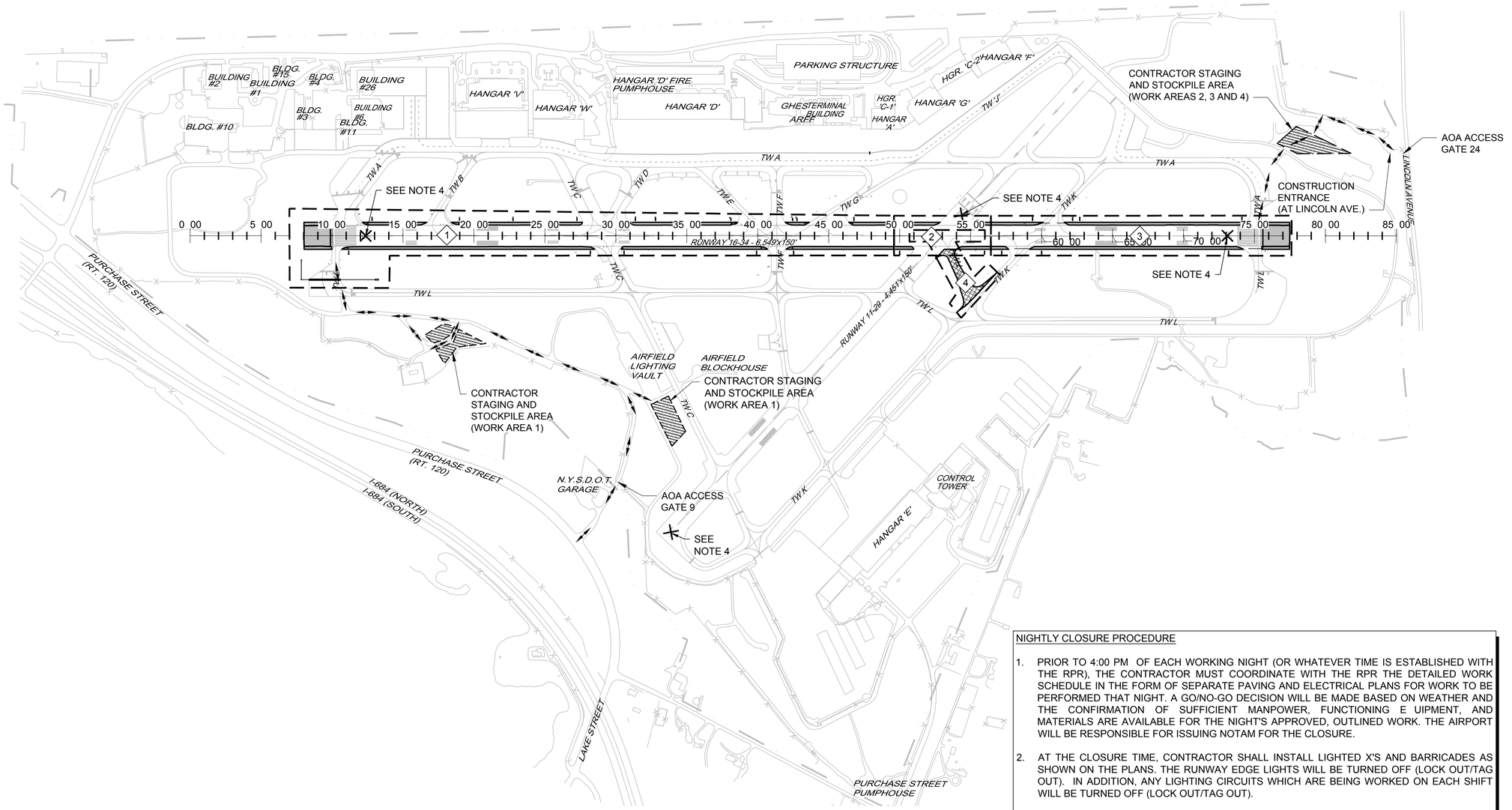
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

MAXIMUM EQUIPMENT HEIGHT PLAN

CONTRACT NUMBER:	SHEET NUMBER:
25-503	GC101
DWG NO.:	7 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-G-505-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\GC101 MAXIMUM EQUIPMENT HEIGHT PLAN.dwg LAYOUT NAME: GC101 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 2:45pm



NORTH

400 200 0 400 800

GRAPHIC SCALE BAR

NOTES:

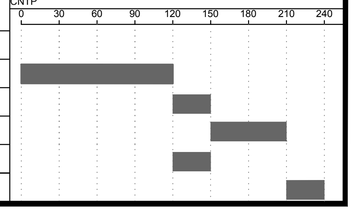
1. SEE SHEETS GI004 GI005 FOR GENERAL CONSTRUCTION AND SAFETY NOTES.
2. CONTRACTOR IS RESPONSIBLE FOR ALL GATE GUARDS AND ESCORTS.
3. ALL WORK WILL OCCUR DURING NIGHTLY CLOSURES FROM 12:00AM TO 5:30AM.
4. LIGHTED "X" RUNWAY CLOSURE MARKER RE UIRED ON RUNWAY NUMERALS FOR WORK WITHIN THE RESPECTIVE RSA.
5. RUNWAY 16-34, RUNWAY 11-29, AND ALL AFFECTED TAXIWAYS MUST BE REOPENED AT THE END OF EACH SHIFT.
6. ANY CONTRACTOR OR SUBCONTRACTOR PERSONNEL TRAVELING ACROSS OR ALONG ACTIVE AIRCRAFT PAVEMENT MUST BE ACCOMPANIED BY AN AIRPORT APPROVED ESCORT.
7. CONTRACTOR SHALL PROVIDE MARKOUT AND EXERCISE EXTREME CAUTION FOR ANY WORK CONDUCTED IN THE VICINITY OF FAA UTILITIES AND E UIPMENT TO ENSURE THEY ARE NOT DAMAGED.
8. WORK AREA 5 LIMITS NOT SHOWN FOR CLARITY. SEE SHEET GC115 OR WORK AREA 5 DETAILS.

LEGEND:

- WORK AREA LIMITS
- PROPOSED PAVEMENT
- (1) WORK AREA
- HAUL ROUTE
- CONTRACTOR STAGING / STOCKPILE AREA

CONCEPTUAL CONSTRUCTION SCHEDULE

	DURATION (CALENDAR DAYS)
MOBILI ATION	30 DAYS
WORK AREA 1	120 DAYS
WORK AREA 2	30 DAYS
WORK AREA 3	60 DAYS
WORK AREA 4 (ADD ALT.)	30 DAYS
WORK AREA 5	30 DAYS



LI UIDATED DAMAGES:

7,500 PER 15 MINUTES (OR PART THEREOF) FOR DELAY IN RUNWAY 16-34 OPENING
10,000 PER DAY BEYOND CONTRACT DURATION

CONSTRUCTION WORK HOURS:

12:00AM TO 5:30AM

NIGHTLY CLOSURE PROCEDURE

1. PRIOR TO 4:00 PM OF EACH WORKING NIGHT (OR WHATEVER TIME IS ESTABLISHED WITH THE RPR), THE CONTRACTOR MUST COORDINATE WITH THE RPR THE DETAILED WORK SCHEDULE IN THE FORM OF SEPARATE PAVING AND ELECTRICAL PLANS FOR WORK TO BE PERFORMED THAT NIGHT. A GO/NO-GO DECISION WILL BE MADE BASED ON WEATHER AND THE CONFIRMATION OF SUFFICIENT MANPOWER, FUNCTIONING E UIPMENT, AND MATERIALS ARE AVAILABLE FOR THE NIGHT'S APPROVED, OUTLINED WORK. THE AIRPORT WILL BE RESPONSIBLE FOR ISSUING NOTAM FOR THE CLOSURE.
2. AT THE CLOSURE TIME, CONTRACTOR SHALL INSTALL LIGHTED X'S AND BARRICADES AS SHOWN ON THE PLANS. THE RUNWAY EDGE LIGHTS WILL BE TURNED OFF (LOCK OUT/TAG OUT). IN ADDITION, ANY LIGHTING CIRCUITS WHICH ARE BEING WORKED ON EACH SHIFT WILL BE TURNED OFF (LOCK OUT/TAG OUT).
3. PRIOR TO OPENING, CONTRACTOR SHALL FINISH PAVING AND ROLLER OPERATIONS WITH ENOUGH TIME TO ALLOW FOR TEMPORARY MARKING AND RAMPING (AS NECESSARY) TO BE INSTALLED.
4. PRIOR TO OPENING, THE CONTRACTOR WILL SWEEP THE PAVEMENT OF DEBRIS AND CLEAR OFF ALL TEMPORARY CONSTRUCTION ITEMS (LIGHTED X'S, BARRICADES, ETC). ALL TEMPORARY REFLECTORS MUST BE INSPECTED AND RESECURED OR REPLACED. THE AIRPORT WILL COMPLETE FINAL INSPECTION PRIOR TO THE OPENING OF THE PAVEMENT. THE FINAL INSPECTION WILL BE STARTED 30 MINUTES PRIOR TO THE SCHEDULED OPENING TIME. LIGHTING SYSTEMS OTHER THAN THOSE LISTED IN THE AIRFIELD IMPACTS SECTION, SHALL BE RECONNECTED AND TURNED ON.
5. CONTRACTOR SHALL PARK ALL E UIPMENT WITHIN THE STAGING AREA AND ENSURE E UIPMENT IS SAFELY SECURED AND BELOW/OUTSIDE OPERATIONAL AREAS.

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JKL
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PHONE: 410-465-9600

SEAL: STATE OF NEW YORK — GEORGE ANTHONY LUCCHESI — No. 082900 — LICENSED PROFESSIONAL ENGINEER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

BID DOCUMENTS

WESTCHESTER COUNTY AIRPORT

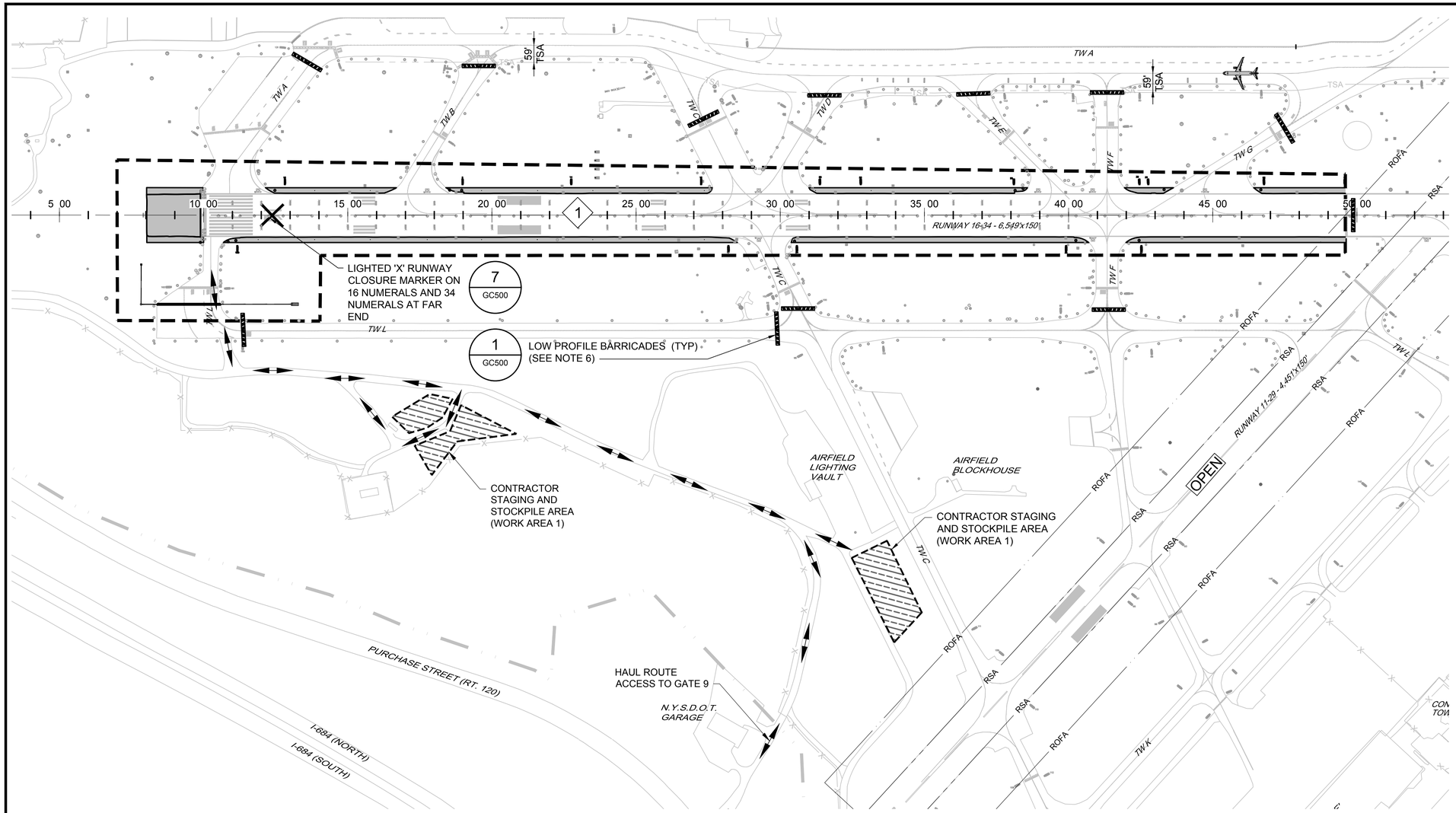
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

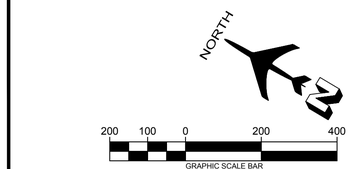
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

OVERALL CONSTRUCTION SAFETY AND PHASING PLAN

CONTRACT NUMBER:	25-503
SHEET NUMBER:	GC110
DWG NO.:	8 of 99
SCALE:	AS SHOWN
DATE:	FEBRUARY 2025
DPW FILE NO.:	48-11-G-506-0
REV. NO.	0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\GC110_6 CONSTRUCTION SAFETY AND PHASING PLANS .dwg LAYOUT NAME: GC110 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 2:47pm



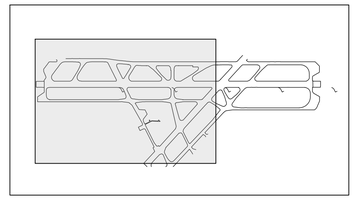


NOTES:

1. SEE SHEETS GI004 GI005 FOR GENERAL CONSTRUCTION AND SAFETY NOTES.
2. SEE SHEET GC100 FOR COMPLETE HAUL ROUTE.
3. CONTRACTOR IS RESPONSIBLE FOR ALL GATE GUARDS AND ESCORTS.
4. PRIOR TO ANY WORK WITHIN A SAFETY AREA OR OB ECT FREE AREA, THE CONTRACTOR MUST COORDINATE WITH THE RPR TO ENSURE PROPER NOTAMS ARE IN PLACE..
5. ANY CONTRACTOR OR SUBCONTRACTOR PERSONNEL TRAVELING ACROSS OR ALONG ACTIVE AIRCRAFT PAVEMENT MUST BE ACCOMPANIED BY AN AIRPORT APPROVED ESCORT.
6. BARRICADES SHOWN ON THIS PLAN REPRESENT THE MAXIMUM ALLOWABLE WORK AREA LIMITS. DURING WORK SHIFTS WHEN A SMALLER FOOTPRINT IS RE UIRED, BARRICADE PLACEMENT SHALL BE AD USTED TO AVOID TAXIWAY CLOSURES. COORDINATE ALL BARRICADE AD UASTMENTS WITH THE RPR AND INCLUDE A NIGHTLY WORK PLAN.

LEGEND:

- WORK AREA LIMITS
- STAGING AND STOCKPILE AREA
- PROPOSED PAVEMENT
- 1 WORK AREA ID
- HAUL ROUTE
- LOW PROFILE BARRICADE
- LIGHTED RUNWAY CLOSURE MARKER



KEYMAP

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER ANY ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION “ALTERED BY” FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

MA OR WORK ITEMS

- INSTALL EROSION AND SEDIMENT CONTROL DEVICES
- MILL EXISTING ASPHALT PAVEMENT (BLAST PAD)
- PAVE MILLED SURFACE (BLAST PAD)
- REMOVE AND REPLACE RUNWAY CENTERLINE AND TOUCHDOWN ONE LIGHT FIXTURES
- REMOVE RUNWAY EDGE LIGHTS
- STRIP TOPSOIL AND EXCAVATE
- AD UST DRAINAGE STRUCTURES
- INSTALL DRAINAGE IMPROVEMENTS
- REMOVE ELECTRICAL CONDUIT
- INSTALL TEMPORARY RUNWAY EDGE LIGHTS AND CONDUIT
- CONSTRUCT RUNWAY SHOULDERS
- INSTALL PERMANENT RUNWAY EDGE LIGHTS AND CONDUIT
- APPLY PAVEMENT MARKING

SPECIAL RE IREMENTS

- SUBMIT NIGHTLY WORK PLAN.
- LOW PROFILE BARRICADES SHALL BE PLACED BLOCKING CLOSED PAVEMENTS.
- LIGHTED 'X' CLOSURE MARKERS (2) SHALL BE PLACED ON RUNWAY 16 AND 34 NUMERALS DURING NIGHTLY RUNWAY CLOSURES.
- RUNWAY 16-34 MUST BE REOPENED AT THE END OF EACH SHIFT. ALL OPEN TRENCHES AND EXCAVATIONS MUST BE FILLED OR COVERED IN ACCORDANCE WITH FAA AC 150/5370-2G. RUNWAY EDGE LIGHT CIRCUIT MUST BE ACTIVE AND TEMPORARY LIGHTS INSTALLED IN ACCORDANCE WITH GC504.

AIRFIELD IMPACTS

- RUNWAY 16-34 NIGHTLY CLOSURES.
- TAXIWAY CLOSURES FOR NIGHTLY CONSTRUCTION LIMITS TO BE COORDINATED WITH THE RPR.

DURATION AND WORK HOURS

DURATION 120 CONSECUTIVE CALENDAR DAYS
WORK HOURS 12:00AM TO 5:30AM

JKL
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PHONE: 410-465-9600

SEAL: STATE OF NEW YORK · CEDRIC ANTHONY JOHNSON · No. 082909 · LICENSED PROFESSIONAL ENGINEER

BID DOCUMENTS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

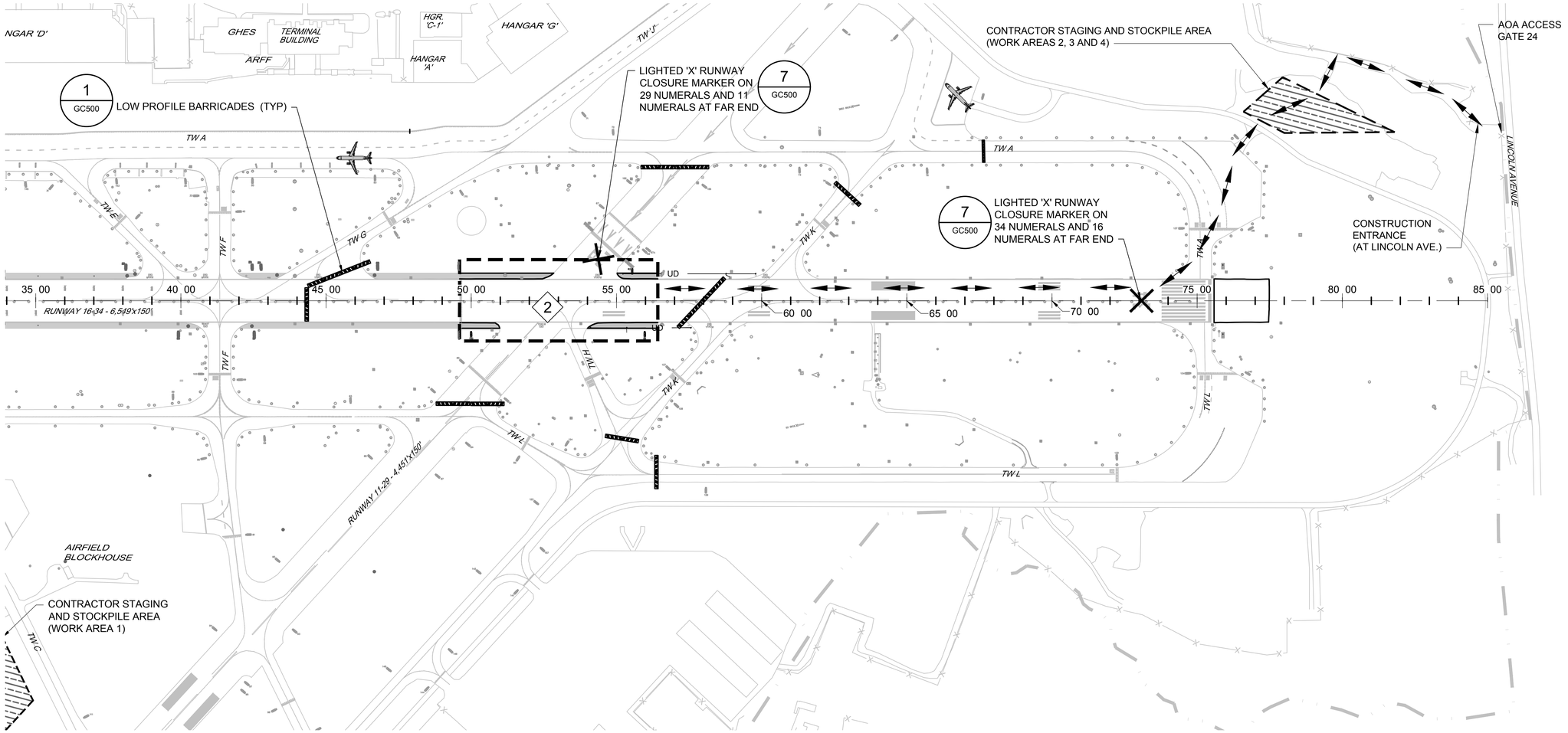
WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
CSPP - WORK AREA 1

CONTRACT NUMBER:	SHEET NUMBER:
25-503	GC111
DWG NO.:	9 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-G-507-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\GC110_6 CONSTRUCTION SAFETY AND PHASING PLANS .dwg LAYOUT NAME: GC111 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 2:47pm



NORTH

200 100 0 200 400

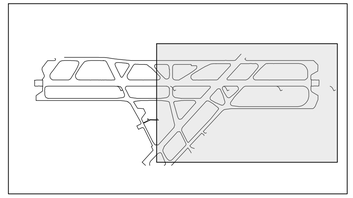
GRAPHIC SCALE BAR

NOTES:

1. SEE SHEETS GI004 AND GI005 FOR GENERAL CONSTRUCTION AND SAFETY NOTES.
2. SEE SHEET GC100 FOR COMPLETE HAUL ROUTE.
3. CONTRACTOR IS RESPONSIBLE FOR ALL GATE GUARDS AND ESCORTS.
4. PRIOR TO ANY WORK WITHIN A SAFETY AREA OR OB ECT FREE AREA, THE CONTRACTOR MUST COORDINATE WITH THE RPR TO ENSURE PROPER NOTAMS ARE IN PLACE.
5. ANY CONTRACTOR OR SUBCONTRACTOR PERSONNEL TRAVELING ACROSS OR ALONG ACTIVE AIRCRAFT PAVEMENT MUST BE ACCOMPANIED BY AN AIRPORT APPROVED ESCORT.

LEGEND:

- WORK AREA LIMITS
- STAGING AND STOCKPILE AREA
- PROPOSED PAVEMENT
- COMPLETED PAVEMENT
- 1 — WORK AREA ID
- HAUL ROUTE
- LOW PROFILE BARRICADE
- LIGHTED RUNWAY CLOSURE MARKER



KEYMAP

MA OR WORK ITEMS

- INSTALL EROSION AND SEDIMENT CONTROL DEVICES
- REMOVE AND REPLACE RUNWAY CENTERLINE LIGHT FIXTURES
- REMOVE RUNWAY EDGE LIGHTS
- STRIP TOPSOIL AND EXCAVATE
- INTSALL TEMPORARY RUNWAY EDGE LIGHTS AND CONDUIT
- AD UST DRAINAGE STRUCTURES
- REMOVE ELECTRICAL CONDUIT
- INSTALL PERMANENT RUNWAY EDGE LIGHTS AND CONDUIT
- CONSTRUCT RUNWAY SHOULDERS
- APPLY PAVEMENT MARKING

SPECIAL RE UIREMENTS

- SUBMIT NIGHTLY WORK PLAN.
- LOW PROFILE BARRICADES SHALL BE PLACED BLOCKING CLOSED PAVEMENTS.
- LIGHTED 'X' CLOSURE MARKERS (4) SHALL BE PLACED ON RUNWAY 16 AND 34 AND RUNWAY 11 AND 29 NUMERALS DURING NIGHTLY RUNWAY CLOSURES.
- RUNWAY 16-34 AND RUNWAY 11-29 MUST BE REOPENED AT THE END OF EACH SHIFT. ALL OPEN TRENCHES AND EXCAVATIONS MUST BE FILLED OR COVERED IN ACCORDANCE WITH FAA AC 150/5370-2G. RUNWAY EDGE LIGHT CIRCUIT MUST BE ACTIVE AND TEMPORARY LIGHTS INSTALLED IN ACCORDANCE WITH GC504.

AIRFIELD IMPACTS

- AIRPORT CLOSED TO FIXED-WING AIRCRAFT NIGHTLY.

DURATION AND WORK HOURS

DURATION 30 CONSECUTIVE CALENDAR DAYS
WORK HOURS 12:00AM TO 5:30AM

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PHONE: 410-465-9600

SEAL: STATE OF NEW YORK CEDRICK ANTHONY JOHNSON No. 082901 LICENSED PROFESSIONAL ENGINEER

BID DOCUMENTS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

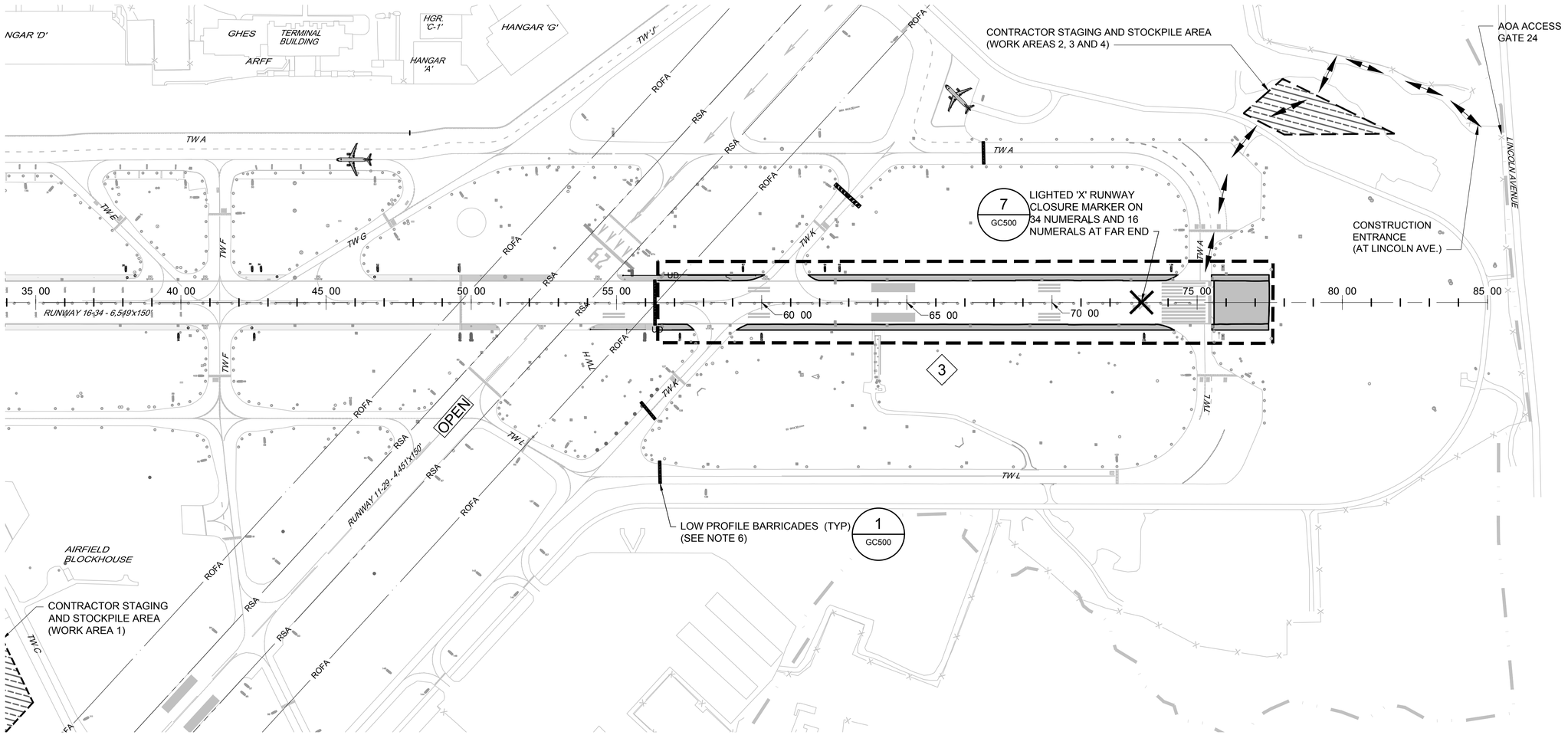
WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
CSPP - WORK AREA 2

CONTRACT NUMBER:	SHEET NUMBER:
25-503	GC112
DWG NO.:	10 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-G-508-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\GC110_6 CONSTRUCTION SAFETY AND PHASING PLANS .dwg LAYOUT NAME: GC112 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 2:47pm



MA OR WORK ITEMS

- INSTALL EROSION AND SEDIMENT CONTROL DEVICES
- MILL EXISTING ASPHALT PAVEMENT (BLAST PAD)
- PAVE MILLED SURFACE (BLAST PAD)
- REMOVE AND REPLACE RUNWAY CENTERLINE LIGHT FIXTURES
- REMOVE RUNWAY EDGE LIGHTS
- STRIP TOPSOIL AND EXCAVATE
- INSTALL TEMPORARY RUNWAY EDGE LIGHTS AND CONDUIT
- AD UST DRAINAGE STRUCTURES
- REMOVE ELECTRICAL CONDUIT
- INSTALL PERMANENT RUNWAY EDGE LIGHTS AND CONDUIT
- CONSTRUCT RUNWAY SHOULDERS
- APPLY PAVEMENT MARKING

SPECIAL RE UIREMENTS

- SUBMIT NIGHTLY WORK PLAN.
- LOW PROFILE BARRICADES SHALL BE PLACED BLOCKING CLOSED PAVEMENTS.
- LIGHTED 'X' CLOSURE MARKERS (2) SHALL BE PLACED ON RUNWAY 16 AND 34 NUMERALS DURING NIGHTLY RUNWAY CLOSURES.
- RUNWAY 16-34 MUST BE REOPENED AT THE END OF EACH SHIFT. ALL OPEN TRENCHES AND EXCAVATIONS MUST BE FILLED OR COVERED IN ACCORDANCE WITH FAA AC 150/5370-2G. RUNWAY EDGE LIGHT CIRCUIT MUST BE ACTIVE AND TEMPORARY LIGHTS INSTALLED IN ACCORDANCE WITH GC504.

AIRFIELD IMPACTS

- RUNWAY 16-34 NIGHTLY CLOSURES
- TAXIWAY CLOSURES FOR NIGHTLY CONSTRUCTION LIMITS TO BE COORDINATED WITH THE RPR.

DURATION AND WORK HOURS

DURATION 60 CONSECUTIVE CALENDAR DAYS
WORK HOURS 12:00AM TO 5:30AM

NORTH

200 100 0 200 400
GRAPHIC SCALE BAR

NOTES:

1. SEE SHEETS GI004 AND GI005 FOR GENERAL CONSTRUCTION AND SAFETY NOTES.
2. SEE SHEET GC100 FOR COMPLETE HAUL ROUTE.
3. CONTRACTOR IS RESPONSIBLE FOR ALL GATE GUARDS AND ESCORTS.
4. PRIOR TO ANY WORK WITHIN A SAFETY AREA OR OB ECT FREE AREA, THE CONTRACTOR MUST COORDINATE WITH THE RPR TO ENSURE PROPER NOTAMS ARE IN PLACE.
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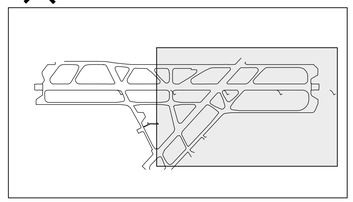
6. BARRICADES SHOWN ON THIS PLAN REPRESENT THE MAXIMUM ALLOWABLE WORK AREAS LIMITS. DURING WORK SHIFTS WHEN A SMALLER FOOTPRINT IS RE UIRED, BARRICADE PLACEMENT SHALL BE AD USTED TO AVOID TAXIWAY CLOSURES. COORDINATE ALL BARRICADE AD USTMENTS WITH THE RPR AND INCLUDE A NIGHTLY WORK PLAN.

LEGEND:

- WORK AREA LIMITS
- STAGING AND STOCKPILE AREA
- PROPOSED PAVEMENT
- COMPLETED PAVEMENT
- 1 WORK AREA ID
- HAUL ROUTE
- LOW PROFILE BARRICADE
- LIGHTED RUNWAY CLOSURE MARKER



KEYMAP

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PHONE: 410-465-9600

SEAL:

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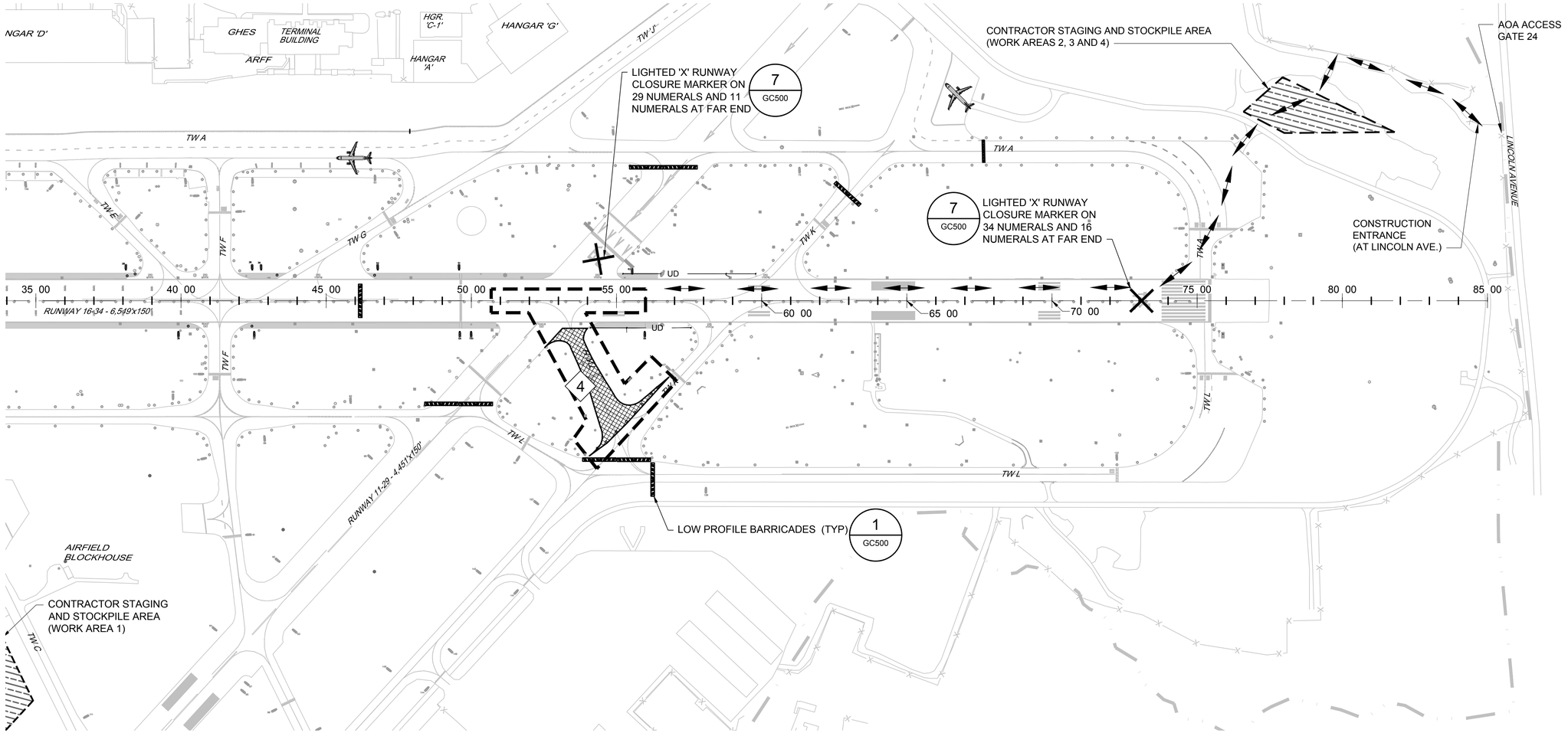
WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
CSPP - WORK AREA 3

CONTRACT NUMBER:	SHEET NUMBER:
25-503	GC113
DWG NO.:	11 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-G-509-0	0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\GC110_6 CONSTRUCTION SAFETY AND PHASING PLANS .dwg LAYOUT NAME: GC113 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 2:47pm



MA OR WORK ITEMS

- INSTALL EROSION AND SEDIMENT CONTROL DEVICES
- REMOVE EXISTING PAVEMENT
- REMOVE PAVEMENT MARKINGS
- REMOVE GUIDANCE SIGNS
- REMOVE TAXIWAY EDGE LIGHTS
- REMOVE ELECTRICAL CONDUIT
- INSTALL TAXIWAY EDGE LIGHTS AND CONDUIT
- BACKFILL
- TOPSOIL AND SEED

SPECIAL RE UIREMENTS

- SUBMIT NIGHTLY WORK PLAN.
- LOW PROFILE BARRICADES SHALL BE PLACED BLOCKING CLOSED PAVEMENTS.
- LIGHTED 'X' CLOSURE MARKERS (4) SHALL BE PLACED ON RUNWAY 16 AND 34 AND RUNWAY 11 AND 29 NUMERALS DURING NIGHTLY RUNWAY CLOSURES.
- RUNWAY 16-34 AND RUNWAY 11-29 MUST BE REOPENED AT THE END OF EACH SHIFT. ALL OPEN TRENCHES AND EXCAVATIONS MUST BE FILLED OR COVERED IN ACCORDANCE WITH FAA AC 150/5370-2G. RUNWAY EDGE LIGHT CIRCUIT MUST BE ACTIVE AND TEMPORARY LIGHTS INSTALLED IN ACCORDANCE WITH GC504.
- WORK AREA 4 CONSTRUCTION SHALL BE CONCURRENT WITH WORK AREA 2.

AIRFIELD IMPACTS

- AIRPORT CLOSED TO FIXED-WING AIRCRAFT NIGHTLY.

DURATION AND WORK HOURS

DURATION 30 CONSECUTIVE CALENDAR DAYS
WORK HOURS 12:00AM TO 5:30AM

NORTH

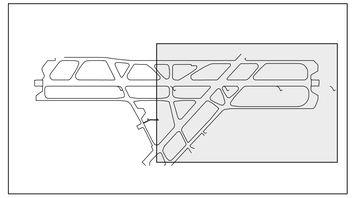
200 100 0 200 400
GRAPHIC SCALE BAR

NOTES:

1. SEE SHEETS GI004 AND GI005 FOR GENERAL CONSTRUCTION AND SAFETY NOTES.
2. SEE SHEET GC100 FOR COMPLETE HAUL ROUTE.
3. CONTRACTOR IS RESPONSIBLE FOR ALL GATE GUARDS AND ESCORTS.
4. PRIOR TO ANY WORK WITHIN A SAFETY AREA OR OB ECT FREE AREA, THE CONTRACTOR MUST COORDINATE WITH THE RPR TO ENSURE PROPER NOTAMS ARE IN PLACE.
5. ANY CONTRACTOR OR SUBCONTRACTOR PERSONNEL TRAVELING ACROSS OR ALONG ACTIVE AIRCRAFT PAVEMENT MUST BE ACCOMPANIED BY AN AIRPORT APPROVED ESCORT.

LEGEND:

- WORK AREA LIMITS
- STAGING AND STOCKPILE AREA
- PAVEMENT DEMOLITION
- COMPLETED PAVEMENT
- 1 WORK AREA ID
- HAUL ROUTE
- LOW PROFILE BARRICADE
- LIGHTED RUNWAY CLOSURE MARKER



KEYMAP

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER ANY ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

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SEAL:
STATE OF NEW YORK
CEDRICK ANTHONY JOHNSON
No. 082909
LICENSED PROFESSIONAL ENGINEER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

BID DOCUMENTS

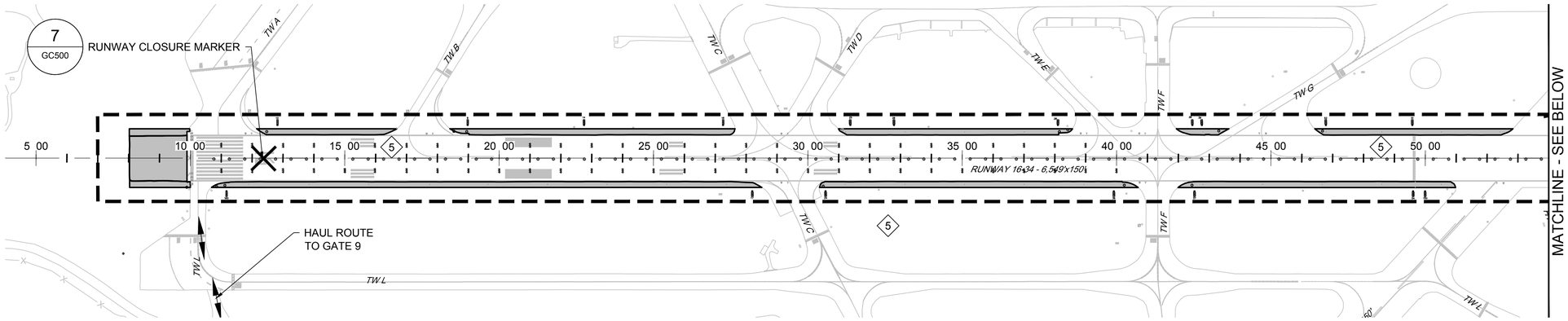
WESTCHESTER COUNTY AIRPORT

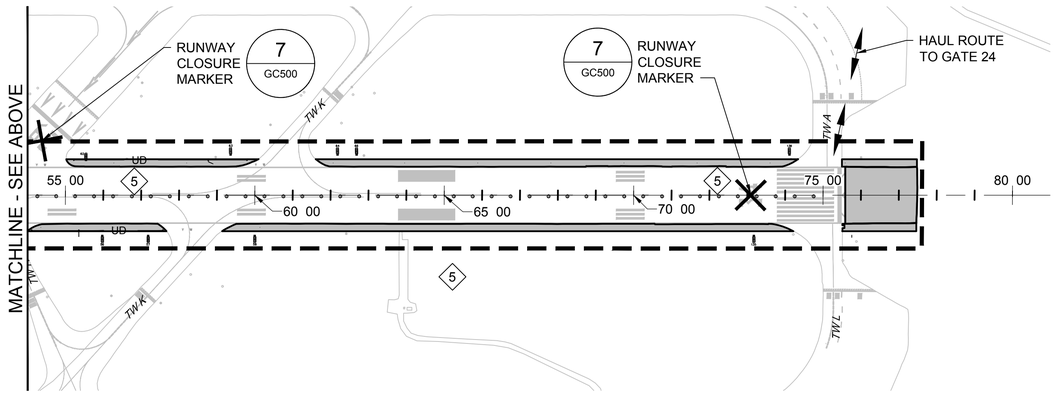
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

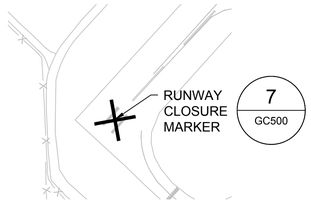
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
CSPP - WORK AREA 4 (ADD ALT.)

CONTRACT NUMBER:	SHEET NUMBER:
25-503	GC114
DWG NO.: 12 of 99	
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-G-510-0	REV. NO. 0

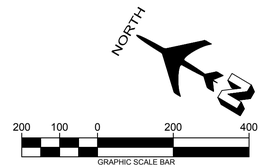
FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\GC110_6 CONSTRUCTION SAFETY AND PHASING PLANS .dwg LAYOUT NAME: GC114 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 2:48pm







CLOSURE MARKER AT RUNWAY 11 END



NOTES:

1. SEE SHEETS GI004 AND GI005 FOR GENERAL CONSTRUCTION AND SAFETY NOTES.
2. SEE SHEET GC100 FOR COMPLETE HAUL ROUTE AND CONTRACTOR'S STAGING AREAS.
3. CONTRACTOR IS RESPONSIBLE FOR ALL GATE GUARDS AND ESCORTS.
4. PRIOR TO ANY WORK WITHIN A SAFETY AREA OR OB ECT FREE AREA, THE CONTRACTOR MUST COORDINATE WITH THE RPR TO ENSURE PROPER NOTAMS ARE IN PLACE.
5. ANY CONTRACTOR OR SUBCONTRACTOR PERSONNEL TRAVELING ACROSS OR ALONG ACTIVE AIRCRAFT PAVEMENT MUST BE ACCOMPANIED BY AN AIRPORT APPROVED ESCORT.

LEGEND:

- WORK AREA LIMITS
- COMPLETED PAVEMENT
- HAUL ROUTE
- 5 WORK AREA ID

MA OR WORK ITEMS

- REMOVE AND REPLACE RUNWAY CENTERLINE LIGHT FIXTURES AND TRANSFORMERS
- REMOVE AND REPLACE TOUCHDOWN ONE LIGHT FIXTURES AND TRANSFORMERS
- GRADE, TOPSOIL AND SEED TURF AREAS IF NOT ALREADY COMPLETE

SPECIAL RE UIREMENTS

- SUBMIT NIGHTLY WORK PLAN.
- LOW PROFILE BARRICADES SHALL BE PLACED BLOCKING CLOSED PAVEMENTS. BARRICADE LOCATIONS SHALL BE COORDINATED WITH THE RPR VIA THE NIGHTLY WORK PLAN BASED ON THE LIMIT OF WORK TO BE CONDUCTED EACH SHIFT.
- LIGHTED 'X' CLOSURE MARKERS (4) SHALL BE PLACED ON RUNWAY 16 AND 34 AND RUNWAY 11 AND 29 NUMERALS DURING NIGHTLY RUNWAY CLOSURES.
- RUNWAY 16-34 AND RUNWAY 11-29 MUST BE REOPENED AT THE END OF EACH SHIFT. ALL OPEN TRENCHES AND EXCAVATIONS MUST BE FILLED OR COVERED IN ACCORDANCE WITH FAA AC 150/5370-2G. ALL LIGHTING SYSTEMS MUST BE ACTIVE AT THE END OF EACH SHIFT UNLESS OTHERWISE DIRECTED.

AIRFIELD IMPACTS

- RUNWAY 16-34 NIGHTLY CLOSURES.
- RUNWAY 11-29 NIGHTLY CLOSURES FOR WORK INSIDE THE RSA.
- TAXIWAY CLOSURES FOR NIGHTLY CONSTRUCTION LIMITS TO BE COORDINATED WITH THE RPR.

DURATION AND WORK HOURS

DURATION 30 CONSECUTIVE CALENDAR DAYS
WORK HOURS 12:00AM TO 5:30AM

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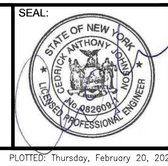


BID DOCUMENTS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
CSPP - WORK AREA 5

CONTRACT NUMBER:	SHEET NUMBER:
25-503	GC115
DWG NO.: 13 of 99	
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-G-511-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\GC110_6 CONSTRUCTION SAFETY AND PHASING PLANS .dwg LAYOUT NAME: GC115 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 2:48pm

GENERAL PHASING NOTES:

1. THE INTENT OF THE PHASING PLAN IS TO MINIMI E THE IMPACT OF CONSTRUCTION ON THE OPERATION OF THE AIRPORT. THE CONTRACTOR SHALL CONSTRUCT THE PRO ECT AS OUTLINED IN THE PLANS UNLESS OTHERWISE APPROVED BY THE RPR, WESTCHESTER COUNTY AIRPORT OPERATIONS, AND THE FAA ADO. AD USTMENTS TO THE PHASING PLAN BY AIRPORT OPERATIONS MAY BE NECESSARY TO ACCOMMODATE UNFORESEEN PROBLEMS.

2. THE CONTRACTOR SHALL PROVIDE, MAINTAIN, MOVE, REMOVE (AS DIRECTED) CONSTRUCTION BARRIERS TO DELINEATE AREAS CLOSED TO AIRCRAFT TRAFFIC AND TO MARK ALL OPEN EXCAVATIONS, PAVEMENT DROP-OFFS ETC. ALL WORK SHALL BE INCIDENTAL TO ITEM M-100.

3. THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION SCHEDULE FOR REVIEW AND APPROVAL BY THE RPR AND AIRPORT OPERATIONS PRIOR TO STARTING CONSTRUCTION. STRICT ADHERENCE TO THE APPROVED SCHEDULE WILL BE ENFORCED TO AVOID CONFLICTS WITH OTHER CONSTRUCTION ACTIVITIES AND ADVERSE EFFECTS ON AIRPORT OPERATIONS. CONTRACTOR SHALL SUBMIT TWO-WEEK LOOK AHEAD SCHEDULES FOR ONGOING COORDINATION.

4. ACTIVE PAVEMENTS MUST BE KEPT CLEAR AND FREE OF DEBRIS AT ALL TIMES. THE CONTRACTOR MUST HAVE TWO (2) VACUUM SWEEPERS AND OPERATORS READY AT ALL TIMES DURING WORK AD ACENT TO ACTIVE AIRFIELD PAVEMENTS. PAVEMENT TO BE REOPENED AT THE CONCLUSION OF THE WORK SHIFT MUST BE SWEPT CLEAN AND APPROVED BY THE RPR AT THE END OF EACH SHIFT..

5. THE CONTRACTOR MUST COMPLY WITH ALL APPLICABLE FAA ADVISORY CIRCULARS AND FEDERAL AVIATION REGULATIONS. PAY PARTICULAR ATTENTION TO FAA AC 150/5370-2G, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION".

6. MAXIMUM E UIPMENT HEIGHTS IN WORK AREAS AND STAGING AREA ARE LIMITED BY FEDERAL AVIATION REGULATION (FAR) PART 77 AND OBSTACLE FREE ONE (OF) SURFACES IDENTIFIED ON THIS SHEET.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ON-SITE AT ALL TIMES ON A CONTINUOUS BASIS. THE CONTRACTOR MUST HAVE A WATER TRUCK ON SITE AT ALL TIMES AND SUBMIT A DETAILED DUST CONTROL PLAN TO THE RPR FOR APPROVAL PRIOR TO BEGINNING WORK. THE COST FOR THIS WORK SHALL BE INCLUDED UNDER VARIOUS CONTRACT ITEMS.

8. NO WORK PERMITTED IN ANY ACTIVE TSA. RESTORATION OF TOFA OUTSIDE TSA NOT RE UIRED TO OPEN TAXIWAY TO TRAFFIC, BUT ALL ABOVE GROUND OB ECTS MUST BE REMOVED PRIOR TO REOPENING.

SUPERVISION NOTES:

1. THE PRIME CONTRACTOR SHALL HAVE THE PRO ECT SUPERINTENDENT OR SOMEONE IN RESPONSIBLE CHARGE BE PRESENT AT ALL TIMES ON THE PRO ECT SITE. THIS PERSON SHALL BE FAMILIAR WITH ALL TYPES OF CONSTRUCTION BEING PERFORMED AND SHALL BE THE SAME PERSON EACH DAY THROUGHOUT THE PRO ECT. THE SUPERINTENDENT SHALL HAVE THE RESPONSIBILITY OF COORDINATING EACH DAY'S WORK WITH THE RPR AND AIRPORT PERSONNEL AND SHALL HAVE AUTHORITY TO SCHEDULE AND AD UST ALL WORKERS, PRIME AND SUB CONTRACTORS, TO ACCOMMODATE AIRPORT OPERATION AS DIRECTED BY THE RPR AND/OR AIRPORT PERSONNEL.

2. ALL WORK MUST BE PERFORMED WITH THE RPR AND/OR AIRPORT PERSONNEL ON THE SITE. WORK DURING EVENINGS AND WEEKENDS MUST BE COORDINATED WITH THE RPR AND AIRPORT PERSONNEL AT LEAST 7 DAYS IN ADVANCE, EXCLUDING EMERGENCIES AND INCLEMENT WEATHER CONDITIONS. ALL PERSONNEL SHALL CLEAR THE CONSTRUCTION AREA ONCE WORK HAS STOPPED FOR THE DAY.

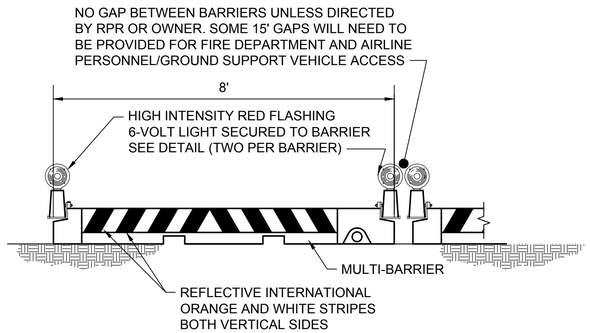
3. ALL MECHANICS NEEDING ACCESS TO THE AIR OPERATIONS AREA TO WORK ON CONSTRUCTION E UIPMENT SHALL HAVE A VALID ID AND BE ESCORTED. BADGES WILL NOT BE ISSUED.

FAR PART 77 NOTES:

1. THE OF SHALL GOVERN E UIPMENT CLEARANCE DURING CONSTRUCTION AD ACENT TO AN ACTIVE RUNWAY. UNDER NO CIRCUMSTANCES SHALL ANY MEN OR E UIPMENT PENETRATE THESE SURFACES UNLESS PRIOR ARRANGEMENTS HAVE BEEN MADE WITH THE RPR, AIRPORT OPERATIONS AND THE TOWER. (THE OF SURFACES ARE LESS RESTRICTIVE AND ALLOW FOR TALLER E UIPMENT HEIGHTS THAN THE FAR PART 77 SURFACES).

2. THE FAR PART 77 SURFACES (PRIMARY AND TRANSITIONAL) GOVERN STOCKPILE AND PARKED E UIPMENT. UNDER NO CIRCUMSTANCES SHALL PARKED E UIPMENT, STOCKPILES, OR OTHER ITEMS PENETRATE THESE SURFACES DURING CONSTRUCTION AD ACENT TO AN ACTIVE RUNWAY.

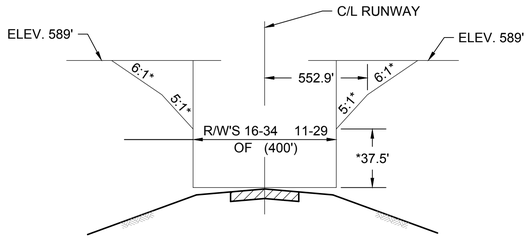
3. THE FAR PART 77 APPROACH SURFACE AND IFR DEPARTURE SURFACE GOVERNS STOCKPILES, CONSTRUCTION E UIPMENT AND OTHER OB ECTS BEYOND THE RUNWAY END. UNDER NO CIRCUMSTANCES SHALL THESE ITEMS PENETRATE THE APPROACH OR DEPARTURE SLOPES UNLESS AUTHORI ED BY AIRPORT OPERATIONS.



1 GC500 — LOW PROFILE POLYETHYLENE CONSTRUCTION BARRIER
SCALE: NTS

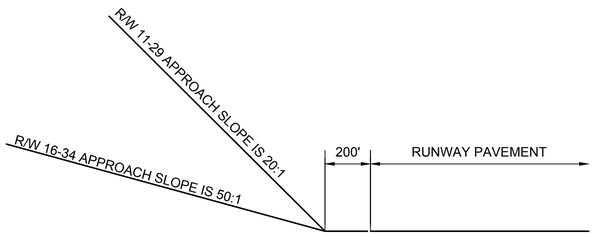
NOTES:

1. THE CONTRACTOR SHALL CHECK BARRICADE LIGHTS ON A NIGHTLY BASIS.
2. LOW PROFILE BARRICADES SHALL NOT BE TALLER THAN 18 INCHES INCLUSIVE OF SUPPLEMENTARY LIGHTS.
3. BARRICADES NEED TO SHIFT FRE UENTLY DURING CONSTRUCTION. CONTRACTOR SHALL INCLUDE COSTS RELATED TO SHIFTING TO FACILITATE WORK IN HIS PAY ITEM FOR MAINTENANCE AND PROTECTION OF TRAFFIC. BARRICADES SHALL BE PLACED OUTSIDE TOFA/RSA. WHEN NOT POSSIBLE, THEY SHALL BE PLACED OUTSIDE TSA.

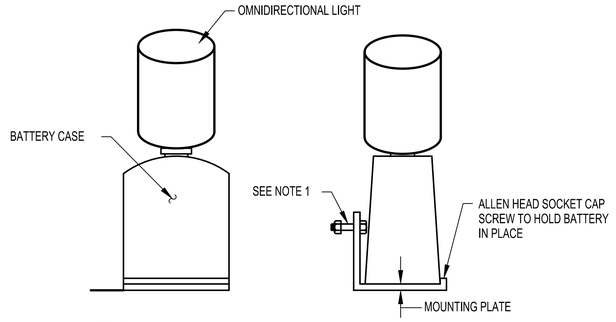


3 GC500 — TYPICAL SECTION OBSTACLE FREE ONE (OF)
SCALE: NTS

*ONLY APPLIES TO RUNWAY 16/34



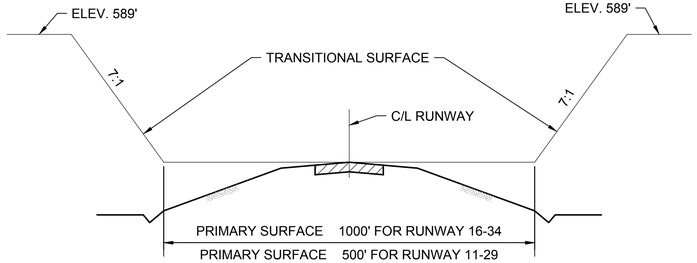
5 GC500 — TYPICAL PROFILE FAR PART 77
SCALE: NTS



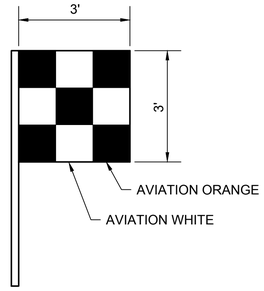
NOTES:

1. MOUNTING PER MANUFACTURER RECOMMENDATION TO WITHSTAND 80 MPH ET BLAST.

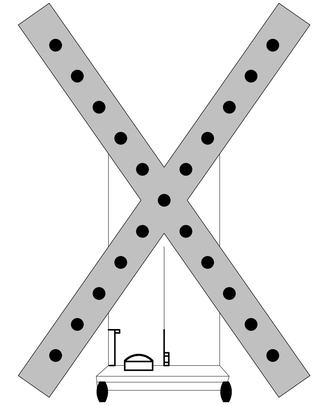
2 GC500 — TEMPORARY BARRIER LIGHT
SCALE: NTS



4 GC500 — TYPICAL SECTION FAR PART 77
SCALE: NTS



6 GC500 — VEHICLE OR E UPMENT FLAG
SCALE: NTS



7 GC500 — LIGHTED RUNWAY CLOSURE MARKER
SCALE: NTS

NOTES:

1. TWO FAA CERTIFIED PORTABLE LIGHTED 'X' RUNWAY CLOSURE MARKERS WILL BE PROVIDED BY THE AIRPORT.
2. CONTRACTOR SHALL PURCHASE TWO (2) NEW LED L-893 LIGHTED 'X' RUNWAY CLOSURE MARKERS, IN ACCORDANCE WITH FAA AC 10/5345-55A. SUCH SHALL BE TURNED OVER TO THE AIRPORT UPON COMPLETION OF THE PRO ECT.
3. CONTRACTOR WILL BE RESPONSIBLE FOR MARKER OPERATION AND MAINTENANCE WHILE IN THEIR POSSESSION.
4. LIGHTED RUNWAY CLOSURE MARKERS SHALL BE RETURNED TO HPN IN GOOD WORKING CONDITION UPON COMPLETION OF THE PRO ECT.

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PHONE: 410-465-9600

SEAL: STATE OF NEW YORK — CEDRICK ANTHONY JOHNSON — No. 082909 — LICENSED PROFESSIONAL ENGINEER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

BID DOCUMENTS

WESTCHESTER COUNTY AIRPORT

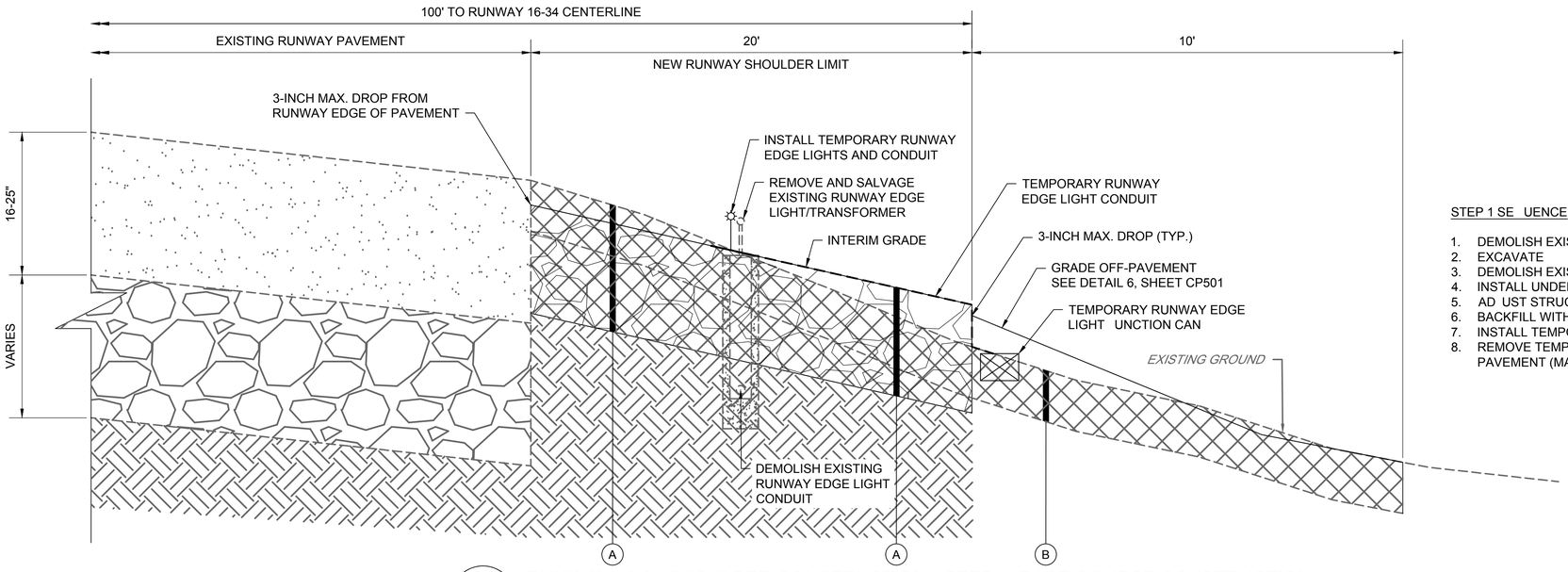
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

CONSTRUCTION SAFETY AND PHASING NOTES AND DETAILS

CONTRACT NUMBER:	SHEET NUMBER:
25-503	GC500
DWG NO.: 14 of 99	
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-G-512-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\GC501 CONSTRUCTION SAFETY AND PHASING NOTES AND DETAILS.dwg LAYOUT NAME: CG500 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 2:49pm



1 GC501 — RUNWAY 16-34 SHOULDER CONSTRUCTION - STEP 1 (BASE COURSE CONSTRUCTION)

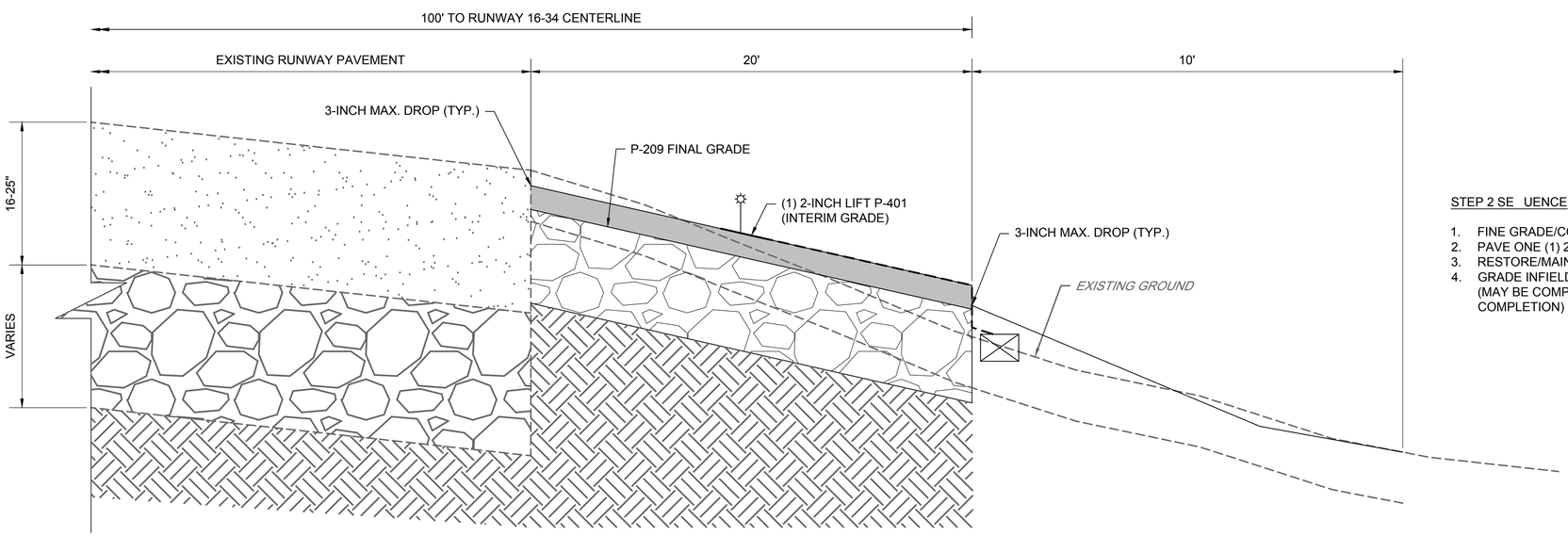
SCALE: NTS

PROPOSED LEGEND:

- (A) UNCLASSIFIED EXCAVATION (P-152-4.1)
- (B) TOPSOIL STRIPPING (P-152-4.1)
- (C) TOPSOIL (T-905-5.1)
- ☼ TEMPORARY RUNWAY EDGE LIGHT (L-125-5.18)

STEP 1 SE UENCE

1. DEMOLISH EXISTING RUNWAY EDGE LIGHTS AND FOUNDATIONS
2. EXCAVATE
3. DEMOLISH EXISTING CONDUIT
4. INSTALL UNDERDRAIN (POROUS PAVEMENT AREAS ONLY)
5. AD UST STRUCTURES TO PROPOSED GRADE
6. BACKFILL WITH P-209 CRUSHED AGGREGATE BASE COURSE
7. INSTALL TEMPORARY RUNWAY EDGE LIGHTS
8. REMOVE TEMPORARY ELECTRICAL AND GRADE INFIELD AD ACENT TO NEW SHOULDER PAVEMENT (MAY BE COMPLETED AS WORK AREA 5 SHOULDER COMPLETION).



2 GC501 — RUNWAY 16-34 SHOULDER CONSTRUCTION - STEP 2 (PAVE FIRST LIFT)

SCALE: NTS

STEP 2 SE UENCE

1. FINE GRADE/COMPACT P-209
2. PAVE ONE (1) 2-INCH LIFT OF P-401
3. RESTORE/MAINTAIN TEMPORARY RUNWAY EDGE LIGHTS
4. GRADE INFIELD AD ACENT TO NEW SHOULDER PAVEMENT (MAY BE COMPLETED AS WORK AREA 5 AFTER SHOULDER COMPLETION)

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SEAL: STATE OF NEW YORK — CEDRIC ANTHONY PRATT — No. 082609 — LICENSED PROFESSIONAL ENGINEER

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WESTCHESTER COUNTY AIRPORT

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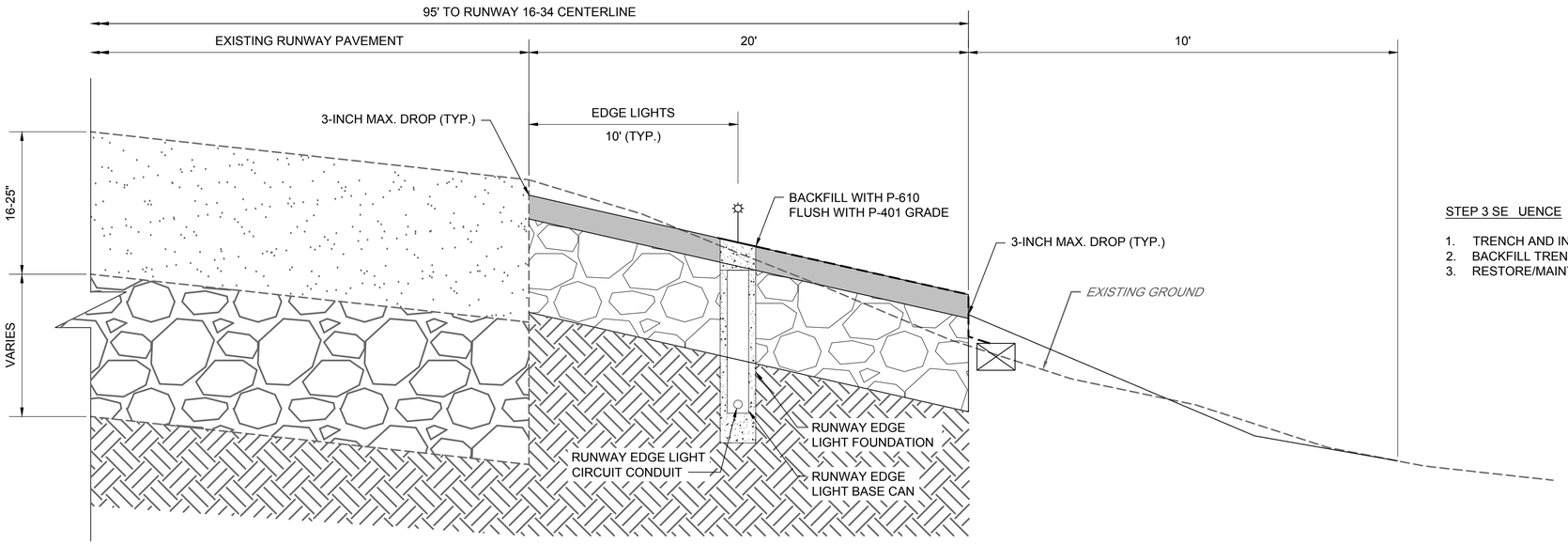
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

CONSTRUCTION SEQUENCE TYPICAL SECTIONS 1

CONTRACT NUMBER:	SHEET NUMBER:
25-503	GC501
DWG NO.:	15 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-G-513-0	0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\GC502_3 CONSTRUCTION SEQUENCE TYPICAL SECTIONS.dwg LAYOUT NAME: GC501 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 2:49pm



RUNWAY 16-34 SHOULDER CONSTRUCTION - STEP 3
(INSTALL NEW UNDERGROUND LIGHTING INFRASTRUCTURE)

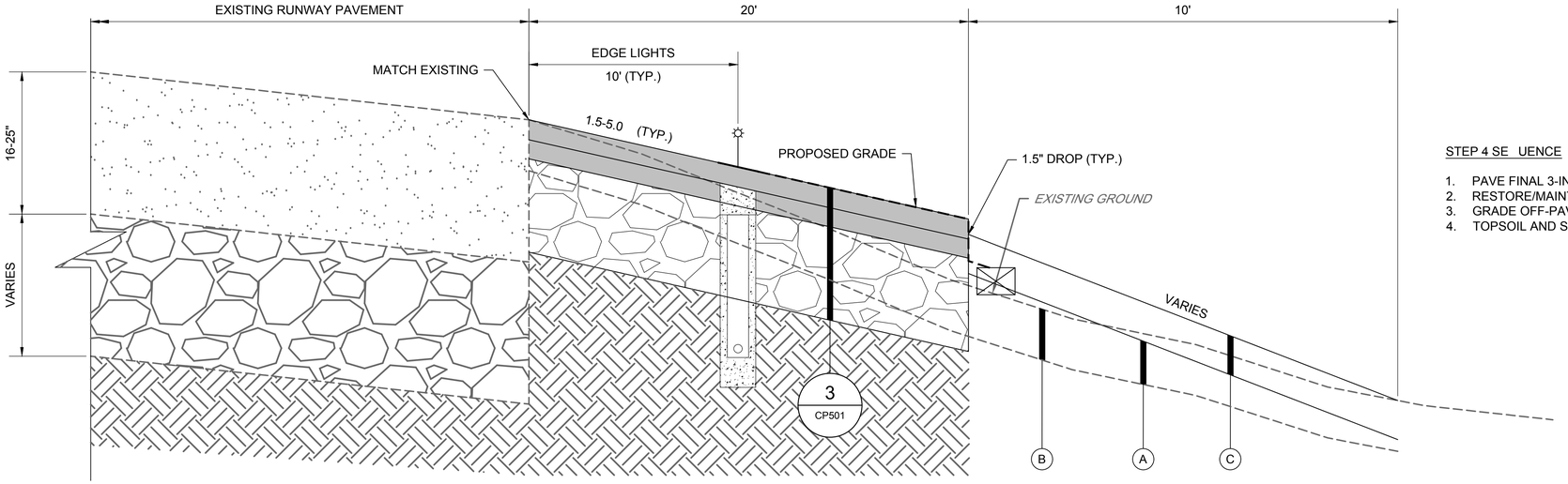
1 / GC502 SCALE: NTS

PROPOSED LEGEND:

- (A) UNCLASSIFIED EXCAVATION (P-152-4.1)
- (B) TOPSOIL STRIPPING (P-152-4.1)
- (C) TOPSOIL (T-905-5.1)
- ☼ TEMPORARY RUNWAY EDGE LIGHT (L-125-5.18)

STEP 3 SE UENCE

1. TRENCH AND INSTALL CONDUIT CORE AND INSTALL RUNWAY EDGE LIGHT BASE CANS
2. BACKFILL TRENCHES AND CORES WITH P-610 CONCRETE
3. RESTORE/MAINTAIN TEMPORARY RUNWAY EDGE LIGHTS



RUNWAY 16-34 SHOULDER CONSTRUCTION - STEP 4 (PAVE FINAL LIFT)

2 / GC502 SCALE: NTS

STEP 4 SE UENCE

1. PAVE FINAL 3-INCH LIFT OF P-401 ASPHALT
2. RESTORE/MAINTAIN TEMPORARY RUNWAY EDGE LIGHTS
3. GRADE OFF-PAVEMENT SURFACE
4. TOPSOIL AND SEED

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER ANY ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

JKL
JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
307 SEVENTH AVENUE, ROOM 2302,
NEW YORK, NY 10001
PHONE: 410-465-9600

SEAL: STATE OF NEW YORK · CEDRIC ANTHONY PRATT · No. 082603 · LICENSED PROFESSIONAL ENGINEER

BID DOCUMENTS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

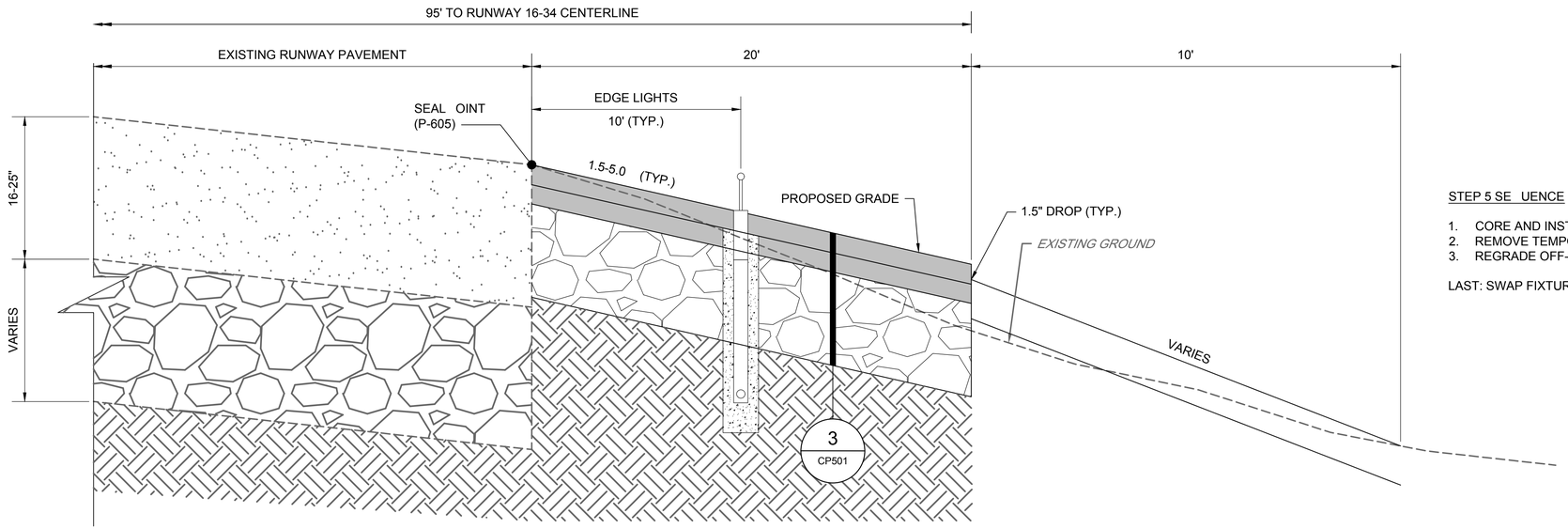
WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
CONSTRUCTION SEQUENCE TYPICAL SECTIONS 2

CONTRACT NUMBER:	SHEET NUMBER:
25-503	**GC502**
DWG NO.:	16 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-G-514-0	0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\GC502_3 CONSTRUCTION SEQUENCE TYPICAL SECTIONS.dwg LAYOUT NAME: GC502 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 2:49pm



1 GC503 RUNWAY 16-34 SHOULDER CONSTRUCTION - STEP 5 (REMOVE TEMPORARY AND REGRADE OFF-PAVEMENT)

SCALE: NTS

STEP 5 SE UENCE

1. CORE AND INSTALL TOP CAN AND REINSTALL EXISTING RUNWAY EDGE LIGHT
2. REMOVE TEMPORARY ELECTRICAL INFRASTRUCTURE
3. REGRADE OFF-PAVMENT AREA AND STABILI E

LAST: SWAP FIXTURES WITH LED DURING COORDINATED SWITCH (WORK AREA 5)

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER ANY ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

JKL
JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
307 SEVENTH AVENUE, ROOM 2302,
NEW YORK, NY 10001
PHONE: 410-465-9600

SEAL:

STATE OF NEW YORK · CEDRICK ANTHONY JOHNSON · No. 082609 · LICENSED PROFESSIONAL ENGINEER

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WESTCHESTER COUNTY AIRPORT

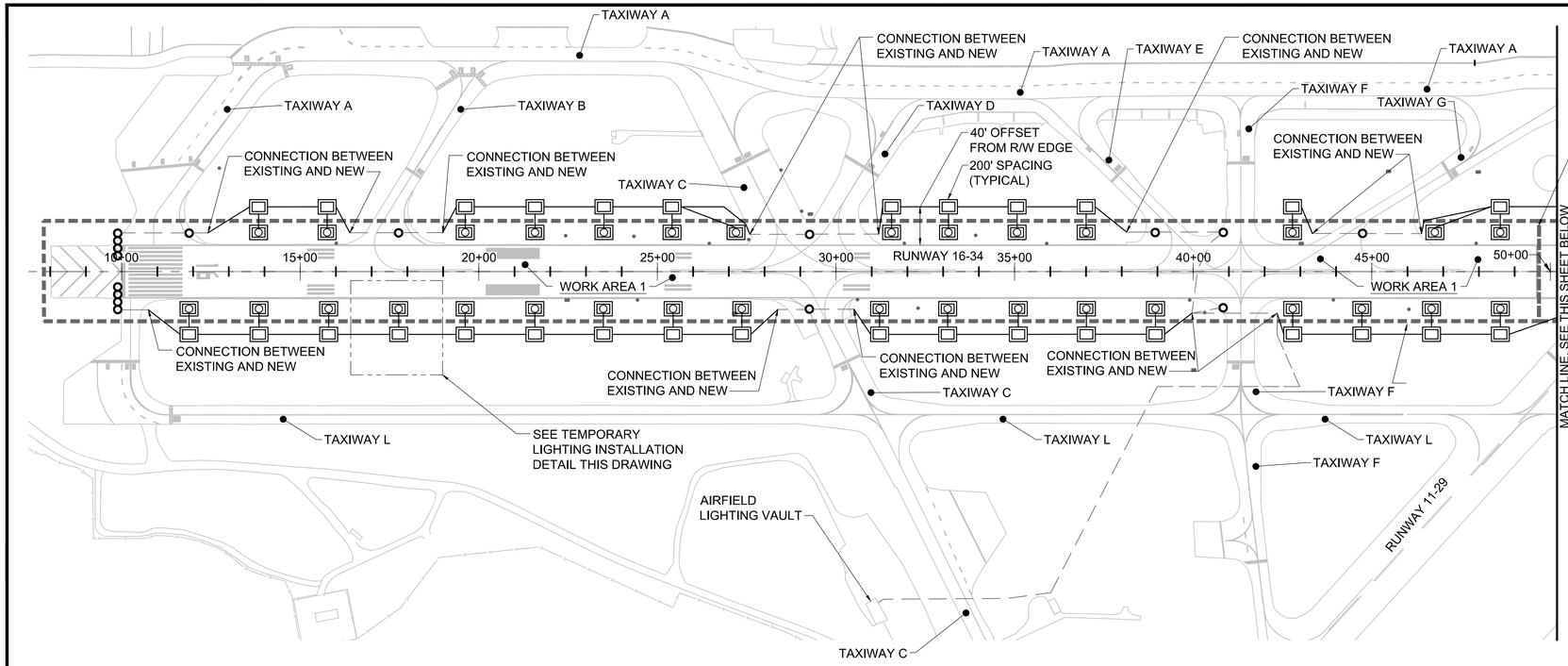
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

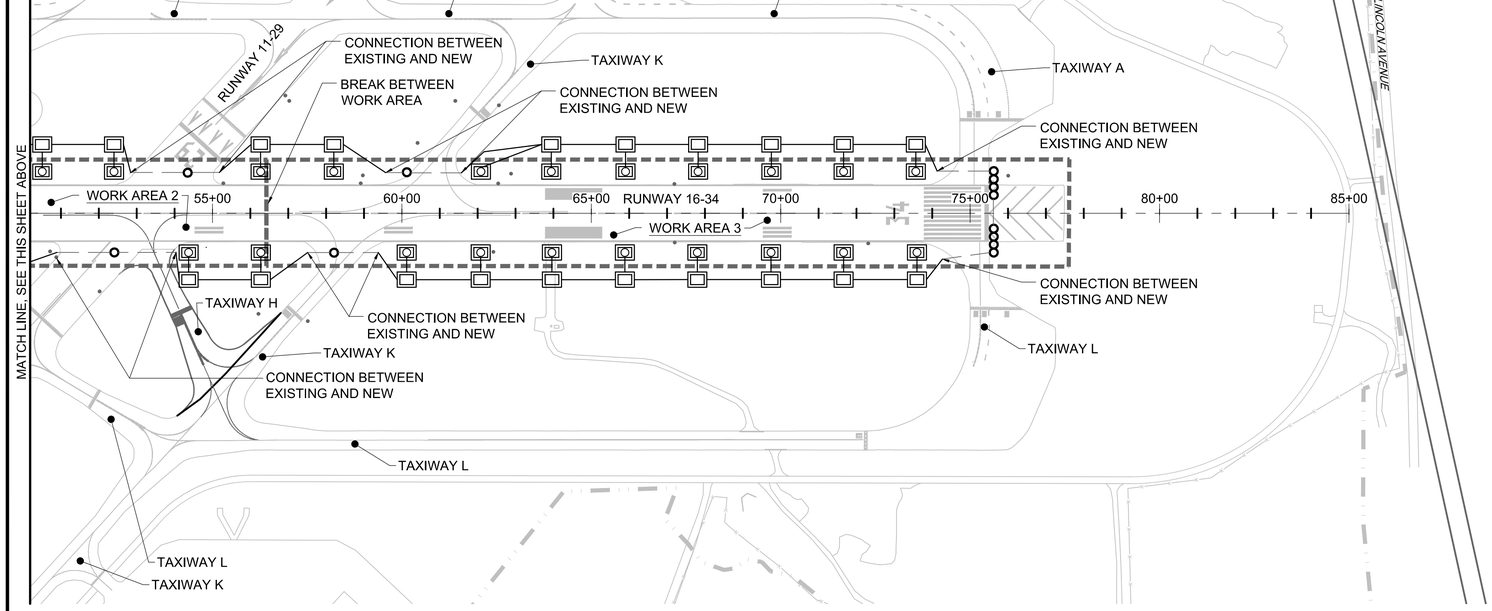
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

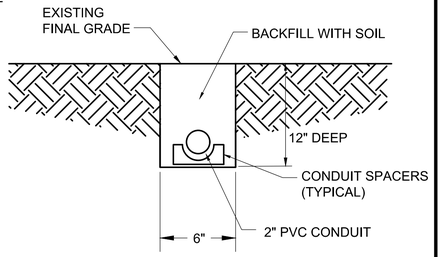
CONSTRUCTION SEQUENCE TYPICAL SECTIONS 3

CONTRACT NUMBER:	SHEET NUMBER:
25-503	**GC503**
DWG NO.:	17 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-G-515-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\GC502_3 CONSTRUCTION SEQUENCE TYPICAL SECTIONS.dwg LAYOUT NAME: CG503 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 2:50pm

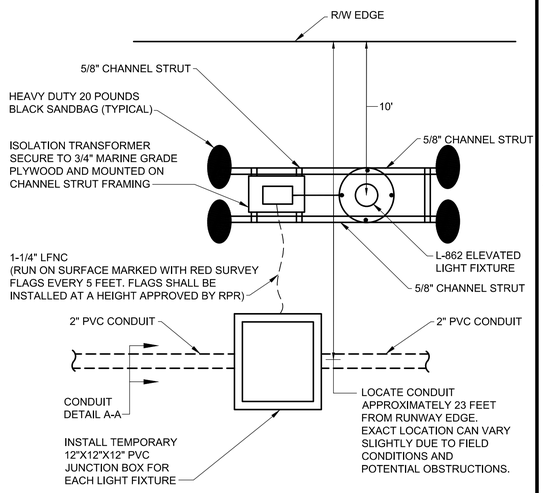






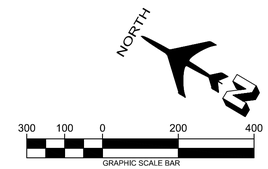
CONDUIT DETAIL A-A

NOT TO SCALE



TEMPORARY LIGHTING INSTALLATION DETAIL

NOT TO SCALE

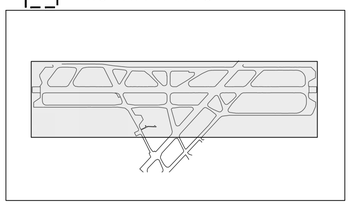


NOTES:

1. SEE SHEETS GI003 & GI004 FOR GENERAL CONSTRUCTION AND SAFETY NOTES.
2. QUANTITIES SHOWN FOR THE RUNWAY EDGE LIGHTING POSITION MATCH THE EXISTING LOCATION OF LIGHTING.
3. THE REMOVED RUNWAY EDGE LIGHT FIXTURE, BASE PLATES AND TRANSFORMERS AND DISTANCE REMAINING SIGNS SHALL BE USED FOR THE TEMPORARY EDGE LIGHT SYSTEM
4. THE INSTALLATION OF THE TEMPORARY EDGE LIGHT SYSTEM SHALL BE PHASED AND COORDINATED WITH THE SHOULDER PAVEMENT CONSTRUCTION.
5. THE LIGHT FIXTURES AND THE MOUNTING FRAME OF THE TEMPORARY EDGE LIGHT SYSTEM SHALL BE PLACED 10 FEET OFF THE RUNWAY EDGE. AT THE START OF EACH WORK SHIFT THE LIGHTS SHALL BE MOVED TO OUTSIDE OF THE CONSTRUCTION LIMITS. AT THE COMPLETION OF EACH WORK SHIFT THE LIGHTS SHALL BE MOVED BACK AND PACED AT 10 FEET OFF THE RUNWAY EDGE. THIS PROCESS SHALL BE COORDINATED WITH THE SHOULDER PAVEMENT CONSTRUCTION SEQUENCE AND PHASING.
6. REFER TO THE TEMPORARY EDGE LIGHT SYSTEM SCHEMATIC ON DRAWING GC505 FOR TEMPORARY SIGNS AND CIRCUIT CONNECTIONS.
7. REFER TO DRAWINGS GC110 THROUGH GC500 FOR CONSTRUCTION PHASING AND DETAILS. THE INSTALLATION OF THE TEMPORARY EDGE LIGHTS SHALL BE COORDINATED WITH THE SHOULDER INSTALLATION PHASING. A COMPLETE FULL TEMPORARY EDGE LIGHT SYSTEM OR A COMBINATION OF A TEMPORARY AND EXISTING EDGE LIGHT SYSTEM IS ACCEPTABLE. ALL CONFIGURATIONS OF THE TEMPORARY EDGE LIGHT SYSTEM SHALL MEET SPACING AND LIGHTING REQUIREMENTS AS INDICATED IN FAA AC 150/5340-30, LATEST VERSION.

LEGEND:

- EXISTING CONDUIT CROSSING
- NEW TEMPORARY 2" CONDUIT, UON NOTED ON TEMPORARY LIGHTING INSTALLATION DETAIL.
- L-862 ELEVATED LIGHT FIXTURE ON EXTERIOR PLYWOOD
- NEW TEMPORARY 12"X12"X12" PVC JUNCTION BOX
- EXISTING LIGHT BASE FOR RUNWAY IN-PAVEMENT LIGHT FIXTURE
- WORK AREA LIMITS



KEYMAP

JKL
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NEW YORK, NY 10001
PHONE: 410-465-9600

Burns
1261 BROADWAY, SUITE 708
NEW YORK, NY 10001
212.962.3503
www.burns-group.com

SEAL: STATE OF NEW YORK — Marlon Montoya — 105154 — LICENSED PROFESSIONAL ENGINEER — digitally signed by Marlon Montoya Date: 2025.02.21 15:52:54 -05'00'

BID DOCUMENTS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

WESTCHESTER COUNTY AIRPORT

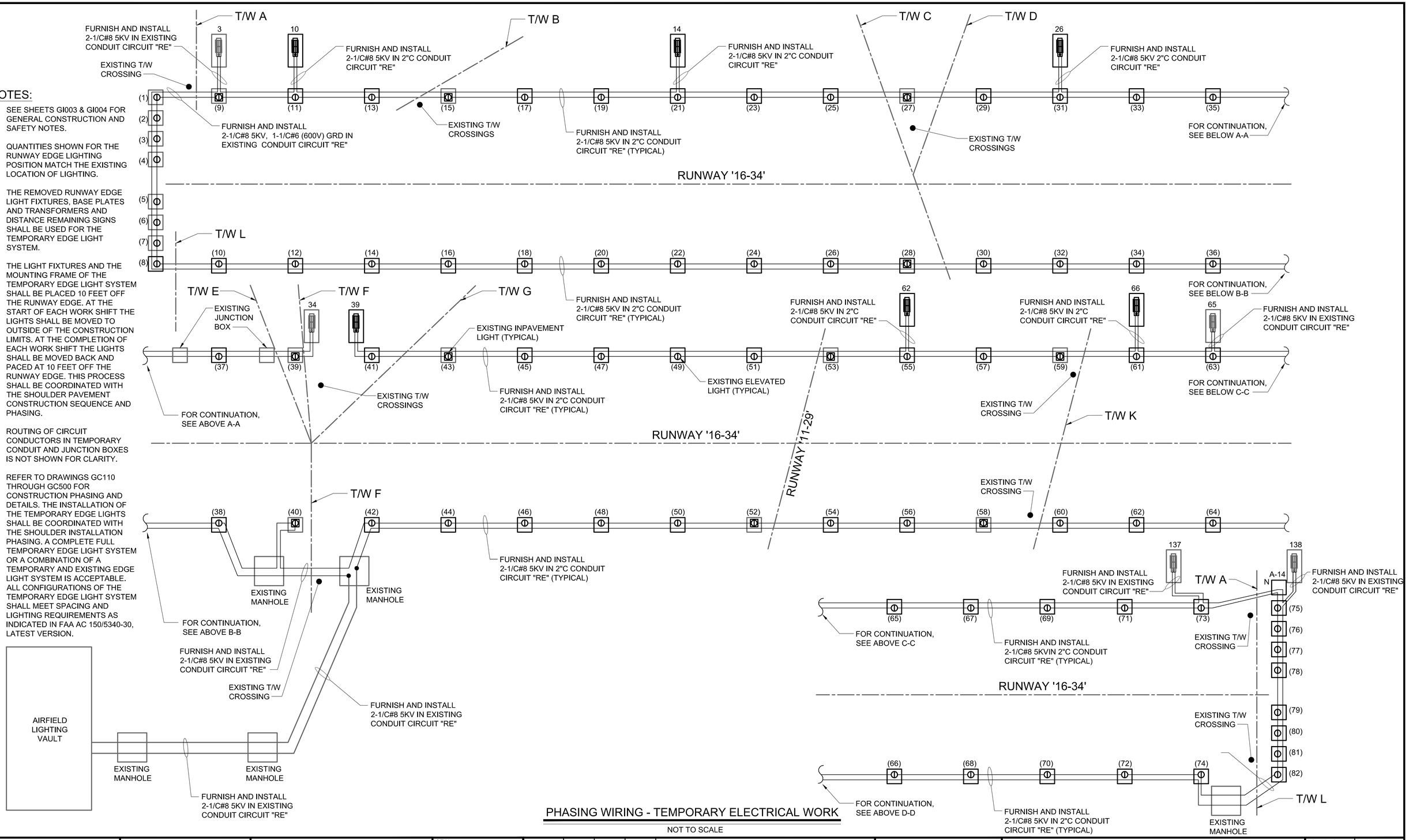
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
TEMPORARY ELECTRICAL WORK PHASING PLAN

CONTRACT NUMBER:	SHEET NUMBER:
25-503	GC504
DWG NO.:	18 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-G-516-0	0

FILE NAME: J:\2024\2024-0267.01-Westchester_JKL_Rehab_RW16_34\10-Design\Drawings\WorkingDocuments\HPN\HPN-GC504-TEMPORARY ELECTRICAL WORK PHASING PLAN.dwg LAYOUT NAME: 48-11-G-516-0 USER: jbernhardt PLOTTED: Friday, February 21, 2025 - 3:21pm

NOTES:

1. SEE SHEETS GI003 & GI004 FOR GENERAL CONSTRUCTION AND SAFETY NOTES.
2. QUANTITIES SHOWN FOR THE RUNWAY EDGE LIGHTING POSITION MATCH THE EXISTING LOCATION OF LIGHTING.
3. THE REMOVED RUNWAY EDGE LIGHT FIXTURES, BASE PLATES AND TRANSFORMERS AND DISTANCE REMAINING SIGNS SHALL BE USED FOR THE TEMPORARY EDGE LIGHT SYSTEM.
4. THE LIGHT FIXTURES AND THE MOUNTING FRAME OF THE TEMPORARY EDGE LIGHT SYSTEM SHALL BE PLACED 10 FEET OFF THE RUNWAY EDGE. AT THE START OF EACH WORK SHIFT THE LIGHTS SHALL BE MOVED TO OUTSIDE OF THE CONSTRUCTION LIMITS. AT THE COMPLETION OF EACH WORK SHIFT THE LIGHTS SHALL BE MOVED BACK AND PACED AT 10 FEET OFF THE RUNWAY EDGE. THIS PROCESS SHALL BE COORDINATED WITH THE SHOULDER PAVEMENT CONSTRUCTION SEQUENCE AND PHASING.
5. ROUTING OF CIRCUIT CONDUCTORS IN TEMPORARY CONDUIT AND JUNCTION BOXES IS NOT SHOWN FOR CLARITY.
6. REFER TO DRAWINGS GC110 THROUGH GC500 FOR CONSTRUCTION PHASING AND DETAILS. THE INSTALLATION OF THE TEMPORARY EDGE LIGHTS SHALL BE COORDINATED WITH THE SHOULDER INSTALLATION PHASING. A COMPLETE FULL TEMPORARY EDGE LIGHT SYSTEM OR A COMBINATION OF A TEMPORARY AND EXISTING EDGE LIGHT SYSTEM IS ACCEPTABLE. ALL CONFIGURATIONS OF THE TEMPORARY EDGE LIGHT SYSTEM SHALL MEET SPACING AND LIGHTING REQUIREMENTS AS INDICATED IN FAA AC 150/5340-30, LATEST VERSION.



PHASING WIRING - TEMPORARY ELECTRICAL WORK

NOT TO SCALE

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NEW YORK, NY 10001
212.962.3503
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SEAL: STATE OF NEW YORK — Margot Moreya — LICENSED PROFESSIONAL ENGINEER — NO. 105124 — Digitally signed by Margot Moreya — Date: 2025.02.21 15:52:58-05'00'

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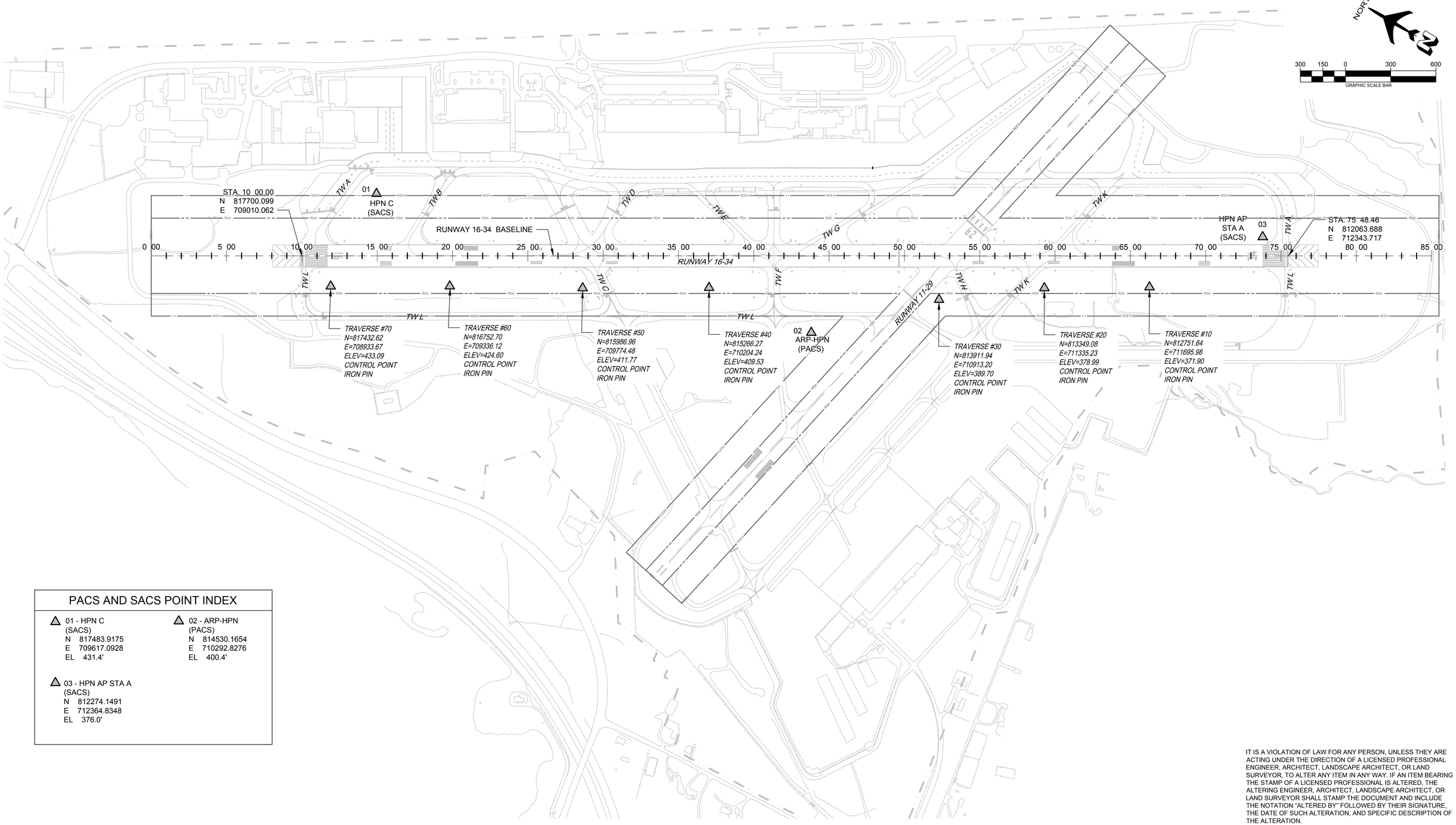
WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
TEMPORARY ELECTRICAL WORK PHASING WIRING DIAGRAM

CONTRACT NUMBER:	SHEET NUMBER:
25-503	GC505
DWG NO.:	19 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-G-517-0	REV. NO. 0

FILE NAME: J:\2024\2024-0267.01-Westchester_JKL_Rehab_RW16_34\10-Design\Drawings\WorkingDocuments\HPN\HPN-GC505-TEMPORARY ELECTRICAL WORK PHASING WIRING DIAGRAM.dwg LAYOUT NAME: 48-11-G-517-0 USER: jbernhardt PLOTTED: Friday, February 21, 2025 - 3:21pm



PACS AND SACS POINT INDEX

△ 01 - HPN C
(SACS)
N 817483.9175
E 709617.0928
EL 431.4'

△ 02 - ARP-HPN
(PACS)
N 814530.1654
E 710292.8276
EL 400.4'

△ 03 - HPN AP STA A
(SACS)
N 812274.1491
E 712364.8348
EL 376.0'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER ANY ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

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307 SEVENTH AVENUE, ROOM 2302,
NEW YORK, NY 10001
PHONE: 410-465-9600

SEAL:
STATE OF NEW YORK
CEDRICK ANTHONY JOHNSON
No. 082909
LICENSED PROFESSIONAL ENGINEER

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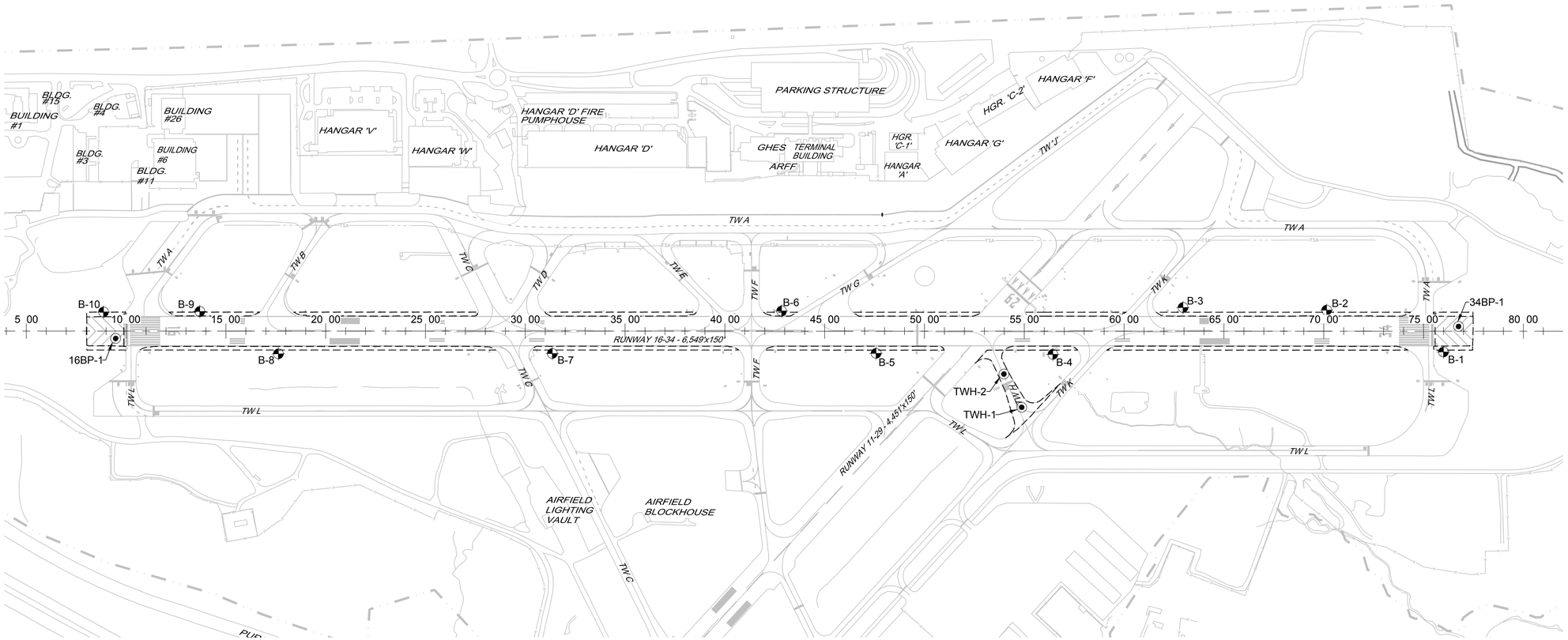
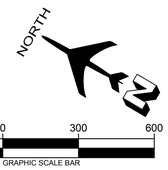
WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
SURVEY CONTROL AND BASELINE LAYOUT PLAN

CONTRACT NUMBER:	SHEET NUMBER:
25-503	VS100
DWG NO.:	20 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-S-518-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\VS100 SURVEY CONTROL AND BASELINE LAYOUT PLAN.dwg LAYOUT NAME: VS100 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 2:50pm





NOTES:
1. SEE SHEETS BL101 AND BL102 FOR BORING LOGS.

LEGEND:

SOIL BORING (10)

PAVEMENT CORE (4)

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PHONE: 410-465-9600

SEAL:

STATE OF NEW YORK
CEDRIC ANTHONY JOHNSON
No. 082609
LICENSED PROFESSIONAL ENGINEER

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WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

BORING AND CORING LAYOUT PLAN

CONTRACT NUMBER:	SHEET NUMBER:
25-503	**BL100**
DWG NO.:	21 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-B-519-0	0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\BL100 BORING AND CORING LAYOUT PLAN.dwg LAYOUT NAME: 20 BORING AND CORING LAYOUT PLAN USER: MBishop PLOTTED: Thursday, February 20, 2025 - 2:51pm

(HQ1) 73 Otis Street, West Babylon, NY 11704
(HQ2) 13460 NW107th Ave, #8, Miami, FL 33016
631.491.5252 I info@universaltest.com
www.universaltest.com
www. udrilling.com

Client	JKL Engineering	**Mobilization Date**	10.24.2024
Developer	N/A	**Completion Date**	11.07.2024
Project	Westchester Airport	**Number of Borings**	10 Boings & 4 Cores
Job Location	HPN RW 16-34	**Method/ Equipment**	CME 45C w/ Auto SPT Hammer and 2018 Ford F550 Support Truck
Client Representative	Matthew Bishop	**Weather**	Clear, 65°F
Drilling Crew	R. Morley (Driller) & Joe Kuefner	**Report#**	0524D

Depth	Blows Per (6") Inches	Unified Soil Classification and NYC BC Class	N- Value	Soil Sample Description	TB # B-1
0 - 2 FEET BLG	4-5-7-10	**Misc.**	12	Topsoil, Brown Fine Sand w/ Silt	Sample 1
2 – 4 FEET BLG	7-14-10-8	**SC**	24	Brown Fine Sand w/ Sandy Clay	Sample 2
4 - 6 FEET BLG	12-14-16-16	**SM**	30	Brown Fine Sand w/ Trace Silt	Sample 3
6-8 FEET BLG	10-12-15-14	**SM**	27	Brown Fine Sand w/ Trace Silt	Sample 4
8-10 FEET BLG	8-12-11-8	**SM**	23	Brown Fine Sand w/ Trace Silt	Sample 5

End of Boring: -10
Groundwater Encountered at -9.5'
- **DCP:** 12-13-20

Depth	Blows Per (6") Inches	Unified Soil Classification and NYC BC Class	N- Value	Soil Sample Description	TB # B-2
0 - 2 FEET BLG	3-4-5-6	**Misc.**	9	10" Topsoil, Gray Fine Sand w/ Clay	Sample 1
2 – 4 FEET BLG	5-11-8-15	**SC**	19	Brown Fine Sand w/ Sandy Clay	Sample 2
4 - 6 FEET BLG	5-6-5-6	**SC**	11	Brown Fine Sand w/ Sandy Clay	Sample 3
6-8 FEET BLG	3-5-6-8	**SC**	11	Brown Fine Sand w/ Sandy Clay	Sample 4
8-10 FEET BLG	3-3-4-11	**SC**	7	Brown Fine Sand w/ Sandy Clay	Sample 5

End of Boring: -10
Groundwater Encountered at -7.5'
- **DCP:** 13-13-16

(HQ1) 73 Otis Street, West Babylon, NY 11704
(HQ2) 13460 NW107th Ave, #8, Miami, FL 33016
631.491.5252 I info@universaltest.com
www.universaltest.com
www. udrilling.com

Client	JKL Engineering	**Mobilization Date**	10.24.2024
Developer	N/A	**Completion Date**	11.07.2024
Project	Westchester Airport	**Number of Borings**	10 Boings & 4 Cores
Job Location	HPN RW 16-34	**Method/ Equipment**	CME 45C w/ Auto SPT Hammer and 2018 Ford F550 Support Truck
Client Representative	Matthew Bishop	**Weather**	Clear, 65°F
Drilling Crew	R. Morley (Driller) & Joe Kuefner	**Report#**	0524D

Depth	Blows Per (6") Inches	Unified Soil Classification and NYC BC Class	N- Value	Soil Sample Description	TB # B-3
0 - 2 FEET BLG	5-9-12-11	**Misc.**	21	5" Topsoil Brown Fine Sand w/ Silt	Sample 1
2 – 4 FEET BLG	9-12-23-29	**SM**	35	Brown Fine Sand w/ Silt	Sample 2
4 - 6 FEET BLG	16-16-18-18	**SM**	34	Brown Fine Sand w/ Silt	Sample 3
6-8 FEET BLG	16-22-18-15	**SP**	40	Brown Fine Sand w/ Trace of Stone	Sample 4
8-10 FEET BLG	9-12-12-13	**SP**	24	Brown Fine Sand	Sample 5

End of Boring: -10
Groundwater Encountered at: N/W
- **DCP:** 13-13-16

Depth	Blows Per (6") Inches	Unified Soil Classification and NYC BC Class	N- Value	Soil Sample Description	TB # B-4
0 - 2 FEET BLG	3-9-11-8	**Misc.**	20	Brown Fine Sand w/ Silt	Sample 1
2 – 4 FEET BLG	6-9-12-26	**SM**	21	Brown Fine Sand w/ Silt	Sample 2
4 - 6 FEET BLG	12-15-50+ 50 for 4"	**SM**	N/A	Brown Fine Sand w/ Silt and Stone (Cobble)	Sample 3

End of Boring: -6
Groundwater Encountered at: N/W
- **DCP:** 16-25+

(HQ1) 73 Otis Street, West Babylon, NY 11704
(HQ2) 13460 NW107th Ave, #8, Miami, FL 33016
631.491.5252 I info@universaltest.com
www.universaltest.com
www. udrilling.com

Client	JKL Engineering	**Mobilization Date**	10.24.2024
Developer	N/A	**Completion Date**	11.07.2024
Project	Westchester Airport	**Number of Borings**	10 Boings & 4 Cores
Job Location	HPN RW 16-34	**Method/ Equipment**	CME 45C w/ Auto SPT Hammer and 2018 Ford F550 Support Truck
Client Representative	Matthew Bishop	**Weather**	Clear, 65°F
Drilling Crew	R. Morley (Driller) & Joe Kuefner	**Report#**	0524D

Depth	Blows Per (6") Inches	Unified Soil Classification and NYC BC Class	N- Value	Soil Sample Description	TB # B-5
0 - 2 FEET BLG	5-14-25-50+ 50 for 5"	**Misc.**	39	Brown Fine Sand w/ Silt Weathered Rock	Sample 1

End of Boring: -2
Groundwater Encountered at: N/W
- **DCP:** 17-24-25+

Depth	Blows Per (6") Inches	Unified Soil Classification and NYC BC Class	N- Value	Soil Sample Description	TB # B-6
0 - 2 FEET BLG	3-7-9-11	**Misc.**	16	5" Topsoil, Brown Fine Sand w/ Silt Weathered Stone (Cobble)	Sample 1
2 - 4 FEET BLG	19-22-50+ 50 for 3"	**SM**	N/A	Brown Fine Sand w/ Silt & Weathered Rock	Sample 2

End of Boring: -4
Groundwater Encountered at: N/W
- **DCP:** 17-25+

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Client	JKL Engineering	**Mobilization Date**	10.24.2024
Developer	N/A	**Completion Date**	11.07.2024
Project	Westchester Airport	**Number of Borings**	10 Boings & 4 Cores
Job Location	HPN RW 16-34	**Method/ Equipment**	CME 45C w/ Auto SPT Hammer and 2018 Ford F550 Support Truck
Client Representative	Matthew Bishop	**Weather**	Clear, 65°F
Drilling Crew	R. Morley (Driller) & Joe Kuefner	**Report#**	0524D

Depth	Blows Per (6") Inches	Unified Soil Classification and NYC BC Class	N- Value	Soil Sample Description	TB # B-7
0 - 2 FEET BLG	3-12-15-16	**Misc.**	27	Brown Fine Sand w/ Silt	Sample 1
2 - 4 FEET BLG	12-+14-28-50+ 50 for 3"	**SM**	42	Brown Fine Sand w/ Silt Rock	Sample 2

End of Boring: -4
Groundwater Encountered at: N/W
- **DCP:** 21-25+

Depth	Blows Per (6") Inches	Unified Soil Classification and NYC BC Class	N- Value	Soil Sample Description	TB # B-8
0 - 2 FEET BLG	3-4-8-12	**Misc.**	12	Brown Fine Sand w/ Silt	Sample 1
2 - 4 FEET BLG	18-21-25-50+ 50 for 1"	**SM**	46	Grey Fine Sand w/ Silt Rock -4'	Sample 2

End of Boring: -4
Groundwater Encountered at: N/W
- **DCP:** 16-16-16

(HQ1) 73 Otis Street, West Babylon, NY 11704
(HQ2) 13460 NW107th Ave, #8, Miami, FL 33016
631.491.5252 I info@universaltest.com
www.universaltest.com
www. udrilling.com

Client	JKL Engineering	**Mobilization Date**	10.24.2024
Developer	N/A	**Completion Date**	11.07.2024
Project	Westchester Airport	**Number of Borings**	10 Boings & 4 Cores
Job Location	HPN RW 16-34	**Method/ Equipment**	CME 45C w/ Auto SPT Hammer and 2018 Ford F550 Support Truck
Client Representative	Matthew Bishop	**Weather**	Clear, 65°F
Drilling Crew	R. Morley (Driller) & Joe Kuefner	**Report#**	0524D

Depth	Blows Per (6") Inches	Unified Soil Classification and NYC BC Class	N- Value	Soil Sample Description	TB # B-9
0 - 2 FEET BLG	16-50+ 50 for 1"	**Misc.**	N/A	Brown Fine Sand w/ Silt Rock - 6"	Sample 1

End of Boring: -6" (Refusal)
Groundwater Encountered at: N/W
- **DCP:** 16-25+

Depth	Blows Per (6") Inches	Unified Soil Classification and NYC BC Class	N- Value	Soil Sample Description	TB # B-10
0 - 2 FEET BLG	3-6-12-21	**Misc.**	18	Brown Fine Sand w/ Silt	Sample 1
2 - 4 FEET BLG	6-5-6-8	**SM**	11	Brown Fine Sand w/ Silt	Sample 2
4 - 6 FEET BLG	7-5-5-6	**SM**	10	Brown Fine Sand w/ Silt	Sample 3
6 - 8 FEET BLG	14-21-22-17	**SM**	43	Brown Fine Sand w/ Silt	Sample 4

End of Boring: -8'
Groundwater Encountered at: N/W
- **DCP:** 17-25+

JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
307 SEVENTH AVENUE, ROOM 2302,
NEW YORK, NY 10001
PHONE: 410-465-9600

SEAL:

STATE OF NEW YORK · CEDRIC ANTHONY MENSAH · LICENSED PROFESSIONAL ENGINEER · No. 092909

BID DOCUMENTS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
BORING LOGS 1

CONTRACT NUMBER:	SHEET NUMBER:
25-503	BL101
DWG NO.:	22 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-B-520-0	0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\BL101 BORING LOGS 1.dwg LAYOUT NAME: BL101 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 2:51pm

(HQ1) 73 Otis Street, West Babylon, NY 11704
(HQ2) 13460 NW107th Ave, #8, Miami, FL 33016
631.491.5252 I info@universaltest.com
www.universaltest.com
www. udrilling.com

Client	JKL Engineering	**Mobilization Date**	10.24.2024
Developer	N/A	**Completion Date**	11.07.2024
Project	Westchester Airport	**Number of Borings**	10 Boings & 4 Cores
Job Location	HPN RW 16-34	**Method/ Equipment**	CME 45C w/ Auto SPT Hammer and 2018 Ford F550 Support Truck
Client Representative	Matthew Bishop	**Weather**	Clear, 65°F
Drilling Crew	R. Morley (Driller) & Joe Kuefner	**Report#**	0524D

CORE #	CORE LENGTH
16BP-1	Total Core: 13.00" Lift 1: 4.50" Lift 2: 5.50" Lift 3: 3.50"

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Client	JKL Engineering	**Mobilization Date**	10.24.2024
Developer	N/A	**Completion Date**	11.07.2024
Project	Westchester Airport	**Number of Borings**	10 Boings & 4 Cores
Job Location	HPN RW 16-34	**Method/ Equipment**	CME 45C w/ Auto SPT Hammer and 2018 Ford F550 Support Truck
Client Representative	Matthew Bishop	**Weather**	Clear, 65°F
Drilling Crew	R. Morley (Driller) & Joe Kuefner	**Report#**	0524D

CORE #	CORE LENGTH
34BP-1	Total Core: 11.00" Lift 1: 2.00" Lift 2: 3.50" Lift 3: 5.50"

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www.universaltest.com
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Client	JKL Engineering	**Mobilization Date**	10.24.2024
Developer	N/A	**Completion Date**	11.07.2024
Project	Westchester Airport	**Number of Borings**	10 Boings & 4 Cores
Job Location	HPN RW 16-34	**Method/ Equipment**	CME 45C w/ Auto SPT Hammer and 2018 Ford F550 Support Truck
Client Representative	Matthew Bishop	**Weather**	Clear, 65°F
Drilling Crew	R. Morley (Driller) & Joe Kuefner	**Report#**	0524D

CORE #	CORE LENGTH
TWH-1	Total Core: 14.00" Lift 1: 4.50" Lift 2: 6.50" Lift 3: 3.00"

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Client	JKL Engineering	**Mobilization Date**	10.24.2024
Developer	N/A	**Completion Date**	11.07.2024
Project	Westchester Airport	**Number of Borings**	10 Boings & 4 Cores
Job Location	HPN RW 16-34	**Method/ Equipment**	CME 45C w/ Auto SPT Hammer and 2018 Ford F550 Support Truck
Client Representative	Matthew Bishop	**Weather**	Clear, 65°F
Drilling Crew	R. Morley (Driller) & Joe Kuefner	**Report#**	0524D

CORE #	CORE LENGTH
TWH-2	Total Core: 13.00" Lift 1: 4.50" Lift 2: 5.50" Lift 3: 3.50"

JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
307 SEVENTH AVENUE, ROOM 2302,
NEW YORK, NY 10001
PHONE: 410-465-9600

SEAL:

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

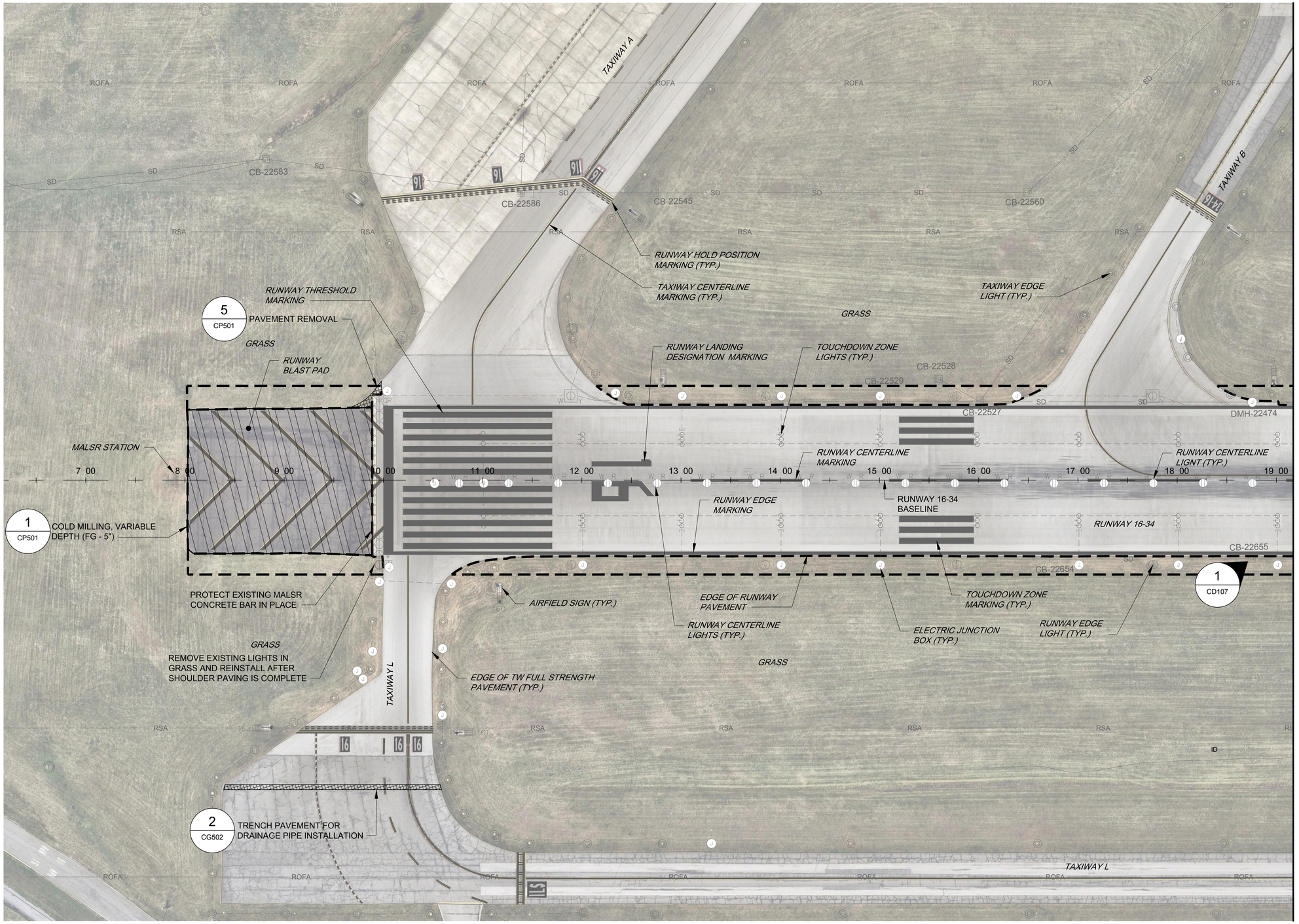
BID DOCUMENTS

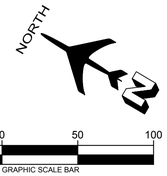
WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
BORING LOGS 2

CONTRACT NUMBER: 25-503	SHEET NUMBER: **BL102**
DWG NO.: 23 of 99	
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-B-521-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\BL102 BORING LOGS 2.dwg LAYOUT NAME: 22 BORING LOGS 2 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 2:52pm



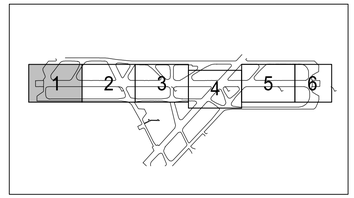


NOTES:

1. ALL UTILITIES SHALL REMAIN IN PLACE AND IN SERVICE UNLESS OTHERWISE STATED.
2. ASPHALT MILLINGS SHALL BE DISPOSED OF OFFSITE UNLESS DIRECTED OTHERWISE BY RPR. SEE SHEET GC100 FOR POTENTIAL ASPHALT MILLINGS PLACEMENT LOCATION.
3. SEE SHEETS ED101 TO ED107 FOR ELECTRICAL DEMOLITION PLANS.
4. AERIAL IMAGERY DATED OCTOBER 4, 2024.

LEGEND:

- EXISTING STORM INLET
- EXISTING SANITARY MANHOLE
- EXISTING COMMUNICATION MANHOLE
- EXISTING ELECTRIC MANHOLE
- EXISTING SIGN
- EXISTING ELECTRIC CAN
- EXISTING UNKNOWN UTILITY MANHOLE
- NEW RUNWAY SHOULDER PAVEMENT LIMIT
- COLD MILLING, VARIABLE DEPTH (FG - 5")
- PAVEMENT REMOVAL

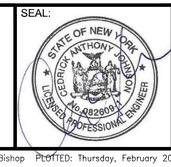


KEYMAP

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER ANY ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

JKL
JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
307 SEVENTH AVENUE, ROOM 2302,
NEW YORK, NY 10001
PHONE: 410-465-9600

SEAL:



BID DOCUMENTS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

WESTCHESTER COUNTY AIRPORT

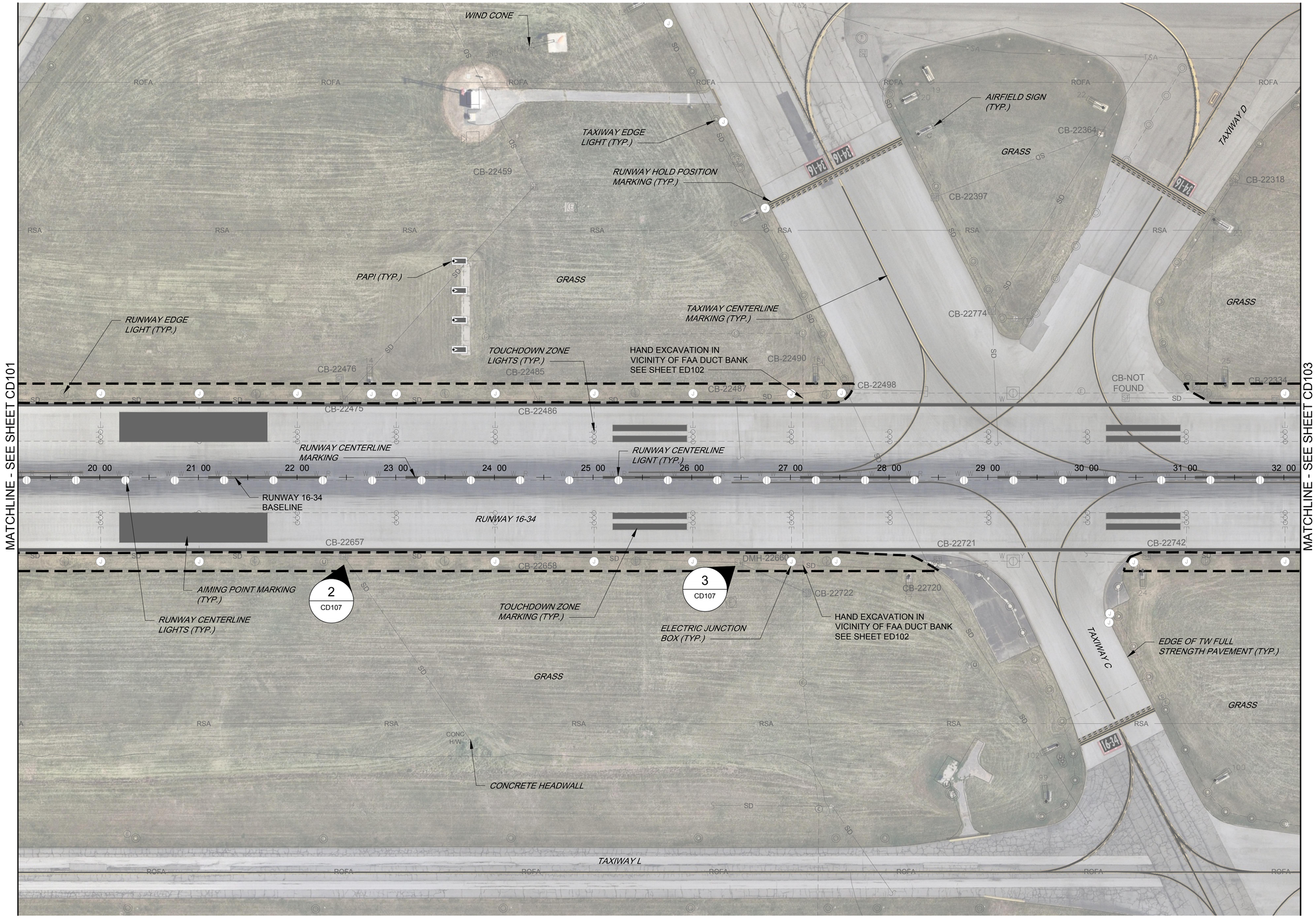
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

EXISTING CONDITIONS AND CIVIL DEMOLITION PLAN 1

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CD101
DWG NO.:	24 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-C-522-0	0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CD101_6 EXISTING CONDITIONS AND CIVIL DEMOLITION PLANS.dwg LAYOUT NAME: CD101 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 2:55pm



NORTH

50 25 0 50 100

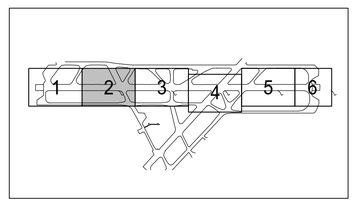
GRAPHIC SCALE BAR

NOTES:

1. ALL UTILITIES SHALL REMAIN IN PLACE AND IN SERVICE UNLESS OTHERWISE STATED.
2. SEE SHEETS ED101 TO ED107 FOR ELECTRICAL DEMOLITION PLANS.
3. AERIAL IMAGERY DATED OCTOBER 4, 2024.

LEGEND:

- ST — EXISTING STORM INLET
- SS — EXISTING SANITARY MANHOLE
- T — EXISTING COMMUNICATION MANHOLE
- E — EXISTING ELECTRIC MANHOLE
- EXISTING SIGN
- EC — EXISTING ELECTRIC CAN
- U — EXISTING UNKNOWN UTILITY MANHOLE
- NEW RUNWAY SHOULDER PAVEMENT LIMIT



KEYMAP

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER ANY ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

JKL
JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
307 SEVENTH AVENUE, ROOM 2302,
NEW YORK, NY 10001
PHONE: 410-465-9600

SEAL: STATE OF NEW YORK · CEDRIC ANTHONY ARGUIN · No. 082909 · LICENSED PROFESSIONAL ENGINEER

BID DOCUMENTS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

EXISTING CONDITIONS AND CIVIL DEMOLITION PLAN 2

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CD102
DWG NO.:	25 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-C-523-0	0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CD101_6 EXISTING CONDITIONS AND CIVIL DEMOLITION PLANS.dwg LAYOUT NAME: CD102 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 2:55pm

MATCHLINE - SEE SHEET CD102

MATCHLINE - SEE SHEET CD104

TAXIWAY E

TAXIWAY G

TAXIWAY F

TAXIWAY L

GRASS

RUNWAY HOLD POSITION MARKING (TYP.)

TOUCHDOWN ZONE LIGHTS (TYP.)

RUNWAY CENTERLINE MARKING

RUNWAY CENTERLINE LIGHT (TYP.)

RUNWAY 16-34 BASELINE

RUNWAY 16-34

RUNWAY CENTERLINE LIGHTS (TYP.)

ELECTRIC JUNCTION BOX (TYP.)

RUNWAY EDGE LIGHT (TYP.)

TAXIWAY EDGE LIGHT (TYP.)

TAXIWAY CENTERLINE MARKING (TYP.)

EDGE OF TW FULL STRENGTH PAVEMENT (TYP.)

AIRFIELD SIGN (TYP.)

DMH-22317 DMH-22287 CB-22076 DMH-22342 CB-22343 CB-22344 CB-22371 CB-22097 DMH-22743 CB-22234 CB-22744 CB-22233 CB-22768 CB-22222 CB-22115

ROFA RSA TSA SD

33 00 34 00 35 00 36 00 37 00 38 00 39 00 40 00 41 00 42 00 43 00 44 00 45 00

16-34 34-16

NORTH

50 25 0 50 100

GRAPHIC SCALE BAR

NOTES:

1. ALL UTILITIES SHALL REMAIN IN PLACE AND IN SERVICE UNLESS OTHERWISE STATED.
2. SEE SHEETS ED101 TO ED107 FOR ELECTRICAL DEMOLITION PLANS.
3. AERIAL IMAGERY DATED OCTOBER 4, 2024.

LEGEND:

- EXISTING STORM INLET
- EXISTING SANITARY MANHOLE
- EXISTING COMMUNICATION MANHOLE
- EXISTING ELECTRIC MANHOLE
- EXISTING SIGN
- EXISTING ELECTRIC CAN
- EXISTING UNKNOWN UTILITY MANHOLE
- NEW RUNWAY SHOULDER PAVEMENT LIMIT

1 2 3 4 5 6

KEYMAP

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER ANY ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

JKL
JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
307 SEVENTH AVENUE, ROOM 2302,
NEW YORK, NY 10001
PHONE: 410-465-9600

SEAL: STATE OF NEW YORK CEDRICK ANTHONY JOHNSON No. 082909 LICENSED PROFESSIONAL ENGINEER

BID DOCUMENTS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

EXISTING CONDITIONS AND CIVIL DEMOLITION PLAN 3

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CD103
DWG NO.:	26 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-C-524-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CD101_6 EXISTING CONDITIONS AND CIVIL DEMOLITION PLANS.dwg LAYOUT NAME: CD103 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 2:56pm

MATCHLINE - SEE SHEET CD103

MATCHLINE - SEE SHEET CD105

TAXIWAY G

TAXIWAY CENTERLINE MARKING (TYP.)

CONCRETE PAD

AIRFIELD SIGN (TYP.)

GRASS

RUNWAY LANDING DESIGNATION MARKING

THRESHOLD LIGHTS (TYP.)

RUNWAY CENTERLINE LIGHT (TYP.)

RUNWAY CENTERLINE MARKING

RUNWAY 16-34

RUNWAY 16-34 BASELINE

MARKING REMOVAL (TYP.) (ADD ALT.)

RUNWAY CENTERLINE LIGHTS (TYP.)

RUNWAY EDGE LIGHT (TYP.)

EDGE OF TW FULL STRENGTH PAVEMENT (TYP.)

TOUCHDOWN ZONE MARKING (TYP.)

ELECTRIC JUNCTION BOX (TYP.)

RUNWAY 11-29

PROTECT STRUCTURE IN PLACE

PROPOSED TAXIWAY H DEMOLITION (ADD ALT.)

5 / CP501

PROTECT STRUCTURE IN PLACE

TAXIWAY H

TAXIWAY K

RUNWAY HOLD POSITION MARKING (TYP.)

TAXIWAY EDGE LIGHT (TYP.)

TAXIWAY L

MARKING REMOVAL (TYP.) (ADD ALT.)

CD-1.1 CD-1.2 CD-1.3 CD-1.4 CD-1.5 CD-1.6 CD-1.7

DEMO POINTS STRUCTURE TABLE		
STRUCTURE ID	STATION	OFFSET
CD-1.1	52 54.49	159.97
CD-1.2	53 13.98	95.00
CD-1.3	54 00.33	95.00
CD-1.4	56 80.43	263.40
CD-1.5	55 35.02	422.85
CD-1.6	54 67.65	490.16
CD-1.7	54 07.02	534.24

NORTH

50 25 0 50 100

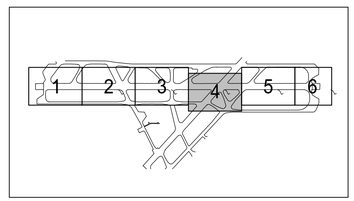
GRAPHIC SCALE BAR

NOTES:

1. ALL UTILITIES SHALL REMAIN IN PLACE AND IN SERVICE UNLESS OTHERWISE STATED.
2. ASPHALT MILLINGS SHALL BE DISPOSED OF OFFSITE UNLESS DIRECTED OTHERWISE BY RPR. SEE SHEET GC100 FOR POTENTIAL ASPHALT MILLINGS PLACEMENT LOCATION.
3. SEE SHEETS ED101 TO ED107 FOR ELECTRICAL DEMOLITION PLANS.
4. AERIAL IMAGERY DATED OCTOBER 4, 2024.

LEGEND:

- EXISTING STORM INLET
- EXISTING SANITARY MANHOLE
- EXISTING COMMUNICATION MANHOLE
- EXISTING ELECTRIC MANHOLE
- EXISTING SIGN
- EXISTING ELECTRIC CAN
- EXISTING UNKNOWN UTILITY MANHOLE
- NEW RUNWAY SHOULDER PAVEMENT LIMIT
- PAVEMENT REMOVAL
- PAVEMENT MARKING REMOVAL



KEYMAP

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER ANY ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

JKL
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NEW YORK, NY 10001
PHONE: 410-465-9600

SEAL: STATE OF NEW YORK · CEDRIC ANTHONY MENDEZ · No. 082909 · LICENSED PROFESSIONAL ENGINEER

BID DOCUMENTS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
A				

WESTCHESTER COUNTY AIRPORT

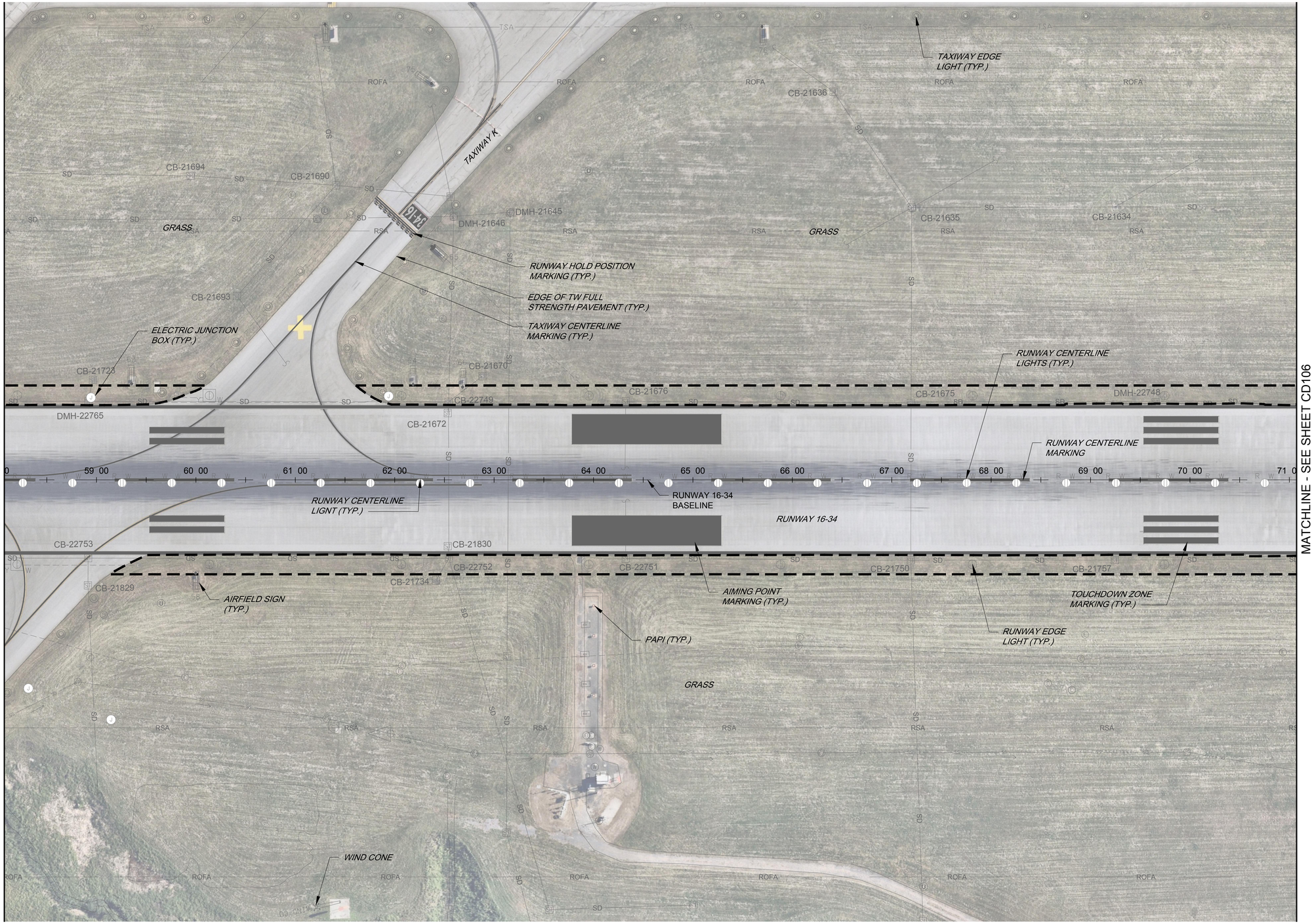
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

EXISTING CONDITIONS AND CIVIL DEMOLITION PLAN 4

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CD104
DWG NO.:	27 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-C-525-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CD101_6 EXISTING CONDITIONS AND CIVIL DEMOLITION PLANS.dwg LAYOUT NAME: CD104 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 2:56pm



NORTH

50 25 0 50 100

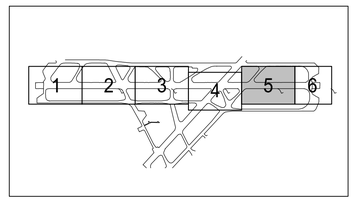
GRAPHIC SCALE BAR

NOTES:

1. ALL UTILITIES SHALL REMAIN IN PLACE AND IN SERVICE UNLESS OTHERWISE STATED.
2. SEE SHEETS ED101 TO ED107 FOR ELECTRICAL DEMOLITION PLANS.
3. AERIAL IMAGERY DATED OCTOBER 4, 2024.

LEGEND:

- EXISTING STORM INLET
- EXISTING SANITARY MANHOLE
- EXISTING COMMUNICATION MANHOLE
- EXISTING ELECTRIC MANHOLE
- EXISTING SIGN
- EXISTING ELECTRIC CAN
- EXISTING UNKNOWN UTILITY MANHOLE
- NEW RUNWAY SHOULDER PAVEMENT LIMIT



KEYMAP

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER ANY ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

JKL
JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
307 SEVENTH AVENUE, ROOM 2302,
NEW YORK, NY 10001
PHONE: 410-465-9600

SEAL: STATE OF NEW YORK · CEDRIC ANTHONY JOHNSON · No. 082909 · LICENSED PROFESSIONAL ENGINEER

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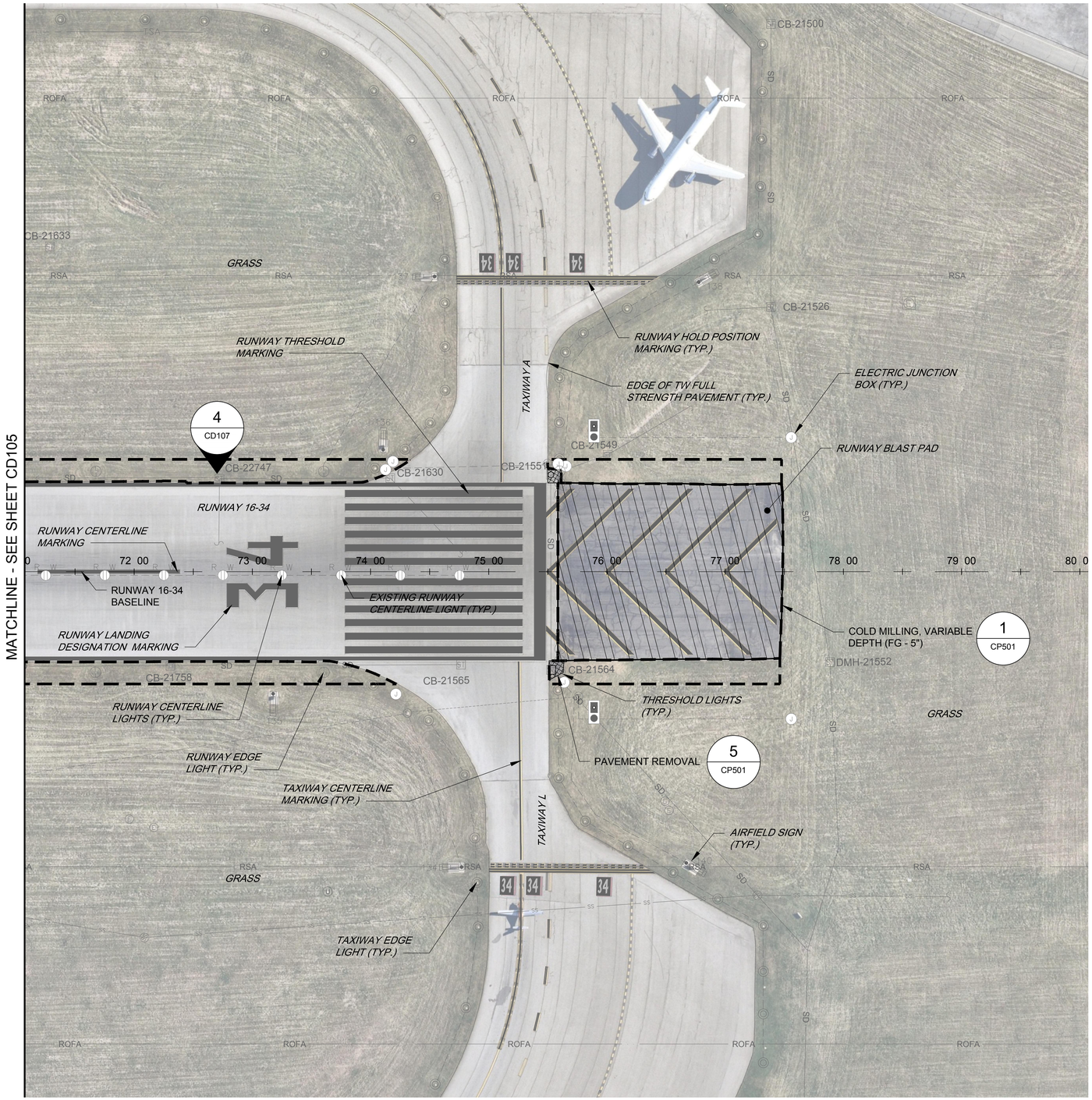
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

EXISTING CONDITIONS AND CIVIL DEMOLITION PLAN 5

CONTRACT NUMBER:	SHEET NUMBER:
25-503	**CD105**
DWG NO.:	28 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-C-526-0	0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CD101_6 EXISTING CONDITIONS AND CIVIL DEMOLITION PLANS.dwg LAYOUT NAME: CD105 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 2:56pm



NORTH

50 25 0 50 100

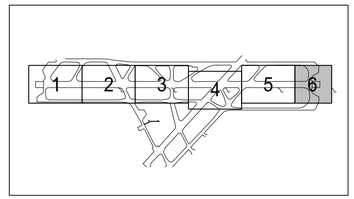
GRAPHIC SCALE BAR

NOTES:

1. ALL UTILITIES SHALL REMAIN IN PLACE AND IN SERVICE UNLESS OTHERWISE STATED.
2. ASPHALT MILLINGS SHALL BE DISPOSED OF OFFSITE UNLESS DIRECTED OTHERWISE BY RPR. SEE SHEET GC100 FOR POTENTIAL ASPHALT MILLINGS PLACEMENT LOCATION.
3. SEE SHEETS ED101 TO ED107 FOR ELECTRICAL DEMOLITION PLANS.
4. AERIAL IMAGERY DATED OCTOBER 4, 2024.

LEGEND:

- EXISTING STORM INLET
- EXISTING SANITARY MANHOLE
- EXISTING COMMUNICATION MANHOLE
- EXISTING ELECTRIC MANHOLE
- EXISTING SIGN
- EXISTING ELECTRIC CAN
- EXISTING UNKNOWN UTILITY MANHOLE
- NEW RUNWAY SHOULDER PAVEMENT LIMIT
- COLD MILLING, VARIABLE DEPTH (FG - 5")
- PAVEMENT REMOVAL



KEYMAP

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER ANY ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

JKL
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307 SEVENTH AVENUE, ROOM 2302,
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SEAL: STATE OF NEW YORK · CEDRIC ANTHONY JOHNSON · No. 082603 · LICENSED PROFESSIONAL ENGINEER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

EXISTING CONDITIONS AND CIVIL DEMOLITION PLAN 6

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CD106
DWG NO.:	29 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-C-527-0	0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CD101_6 EXISTING CONDITIONS AND CIVIL DEMOLITION PLANS.dwg LAYOUT NAME: CD106 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 2:57pm

1 CD107 — CB-22655 SOUTH SIDE OF RW 16-34 APPROX. STA. 18 70

SCALE: NTS

2 CD107 — CB-22657 SOUTH SIDE OF RW 16-34 APPROX. STA. 22 50

SCALE: NTS

3 CD107 — DMH-22660 SOUTH SIDE OF RW 16-34 APPROX. STA. 26 50

SCALE: NTS

4 CD107 — CB-22747 NORTH SIDE OF RW 16-34 APPROX. STA. 72 75

SCALE: NTS

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SEAL: STATE OF NEW YORK · CEDRICK ANTHONY JOHNSON · No. 082909 · LICENSED PROFESSIONAL ENGINEER

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

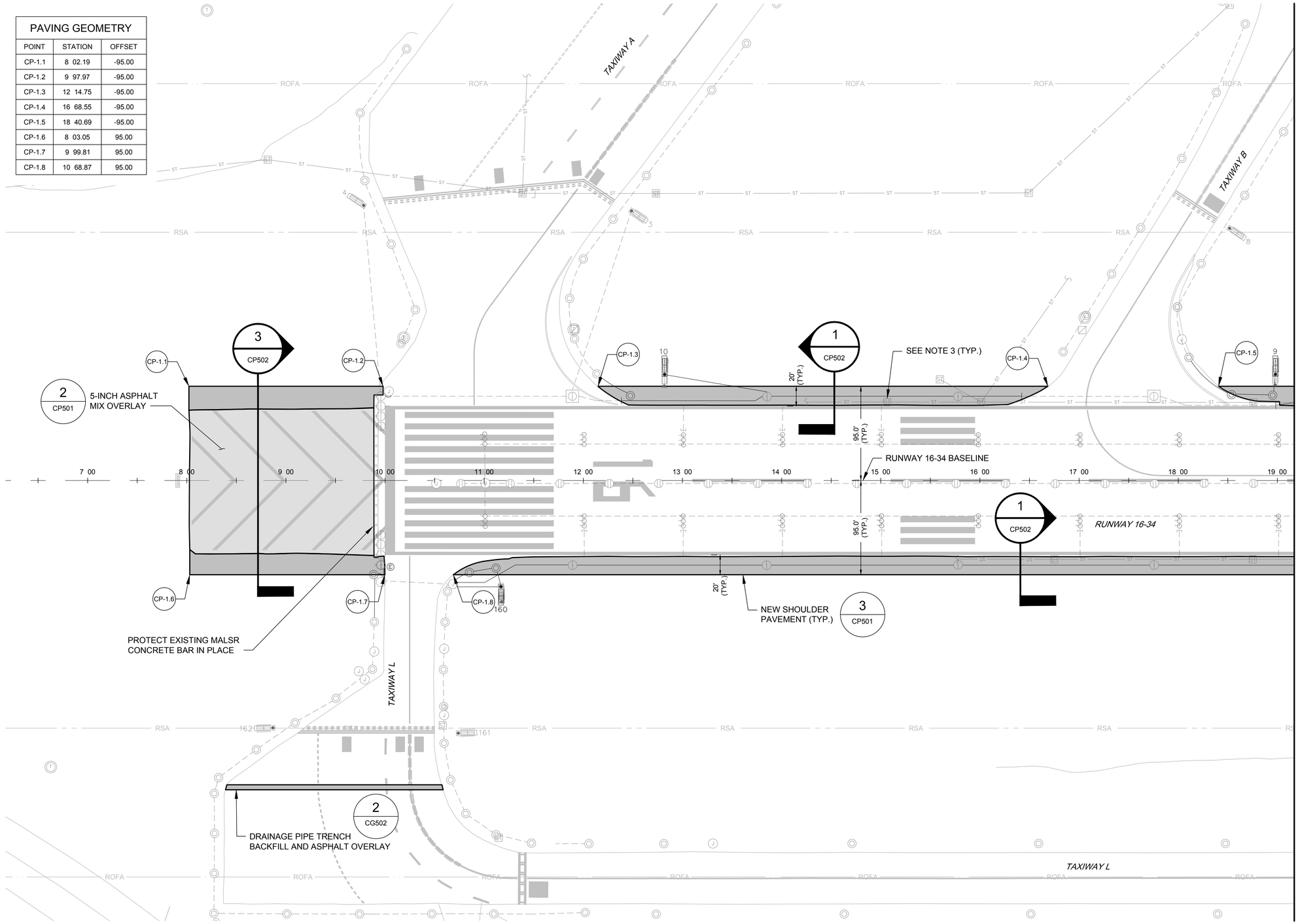
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

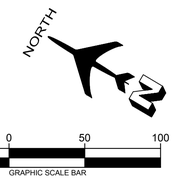
EXISTING SITE PHOTOS

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CD107
DWG NO.:	30 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-C-528-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CD107 EXISTING SITE PHOTOS.dwg LAYOUT NAME: CD107 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 2:57pm

PAVING GEOMETRY		
POINT	STATION	OFFSET
CP-1.1	8 02.19	-95.00
CP-1.2	9 97.97	-95.00
CP-1.3	12 14.75	-95.00
CP-1.4	16 68.55	-95.00
CP-1.5	18 40.69	-95.00
CP-1.6	8 03.05	95.00
CP-1.7	9 99.81	95.00
CP-1.8	10 68.87	95.00





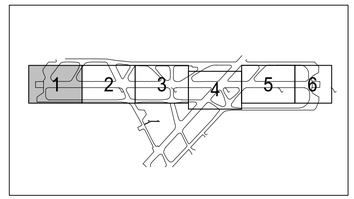
NOTES:
1. ALL UTILITIES SHALL REMAIN IN PLACE AND IN SERVICE UNLESS OTHERWISE STATED.

2. SEE SHEETS ES101 TO ES107 FOR ELECTRICAL NEW WORK PLANS.

3. PROTECT EXISTING STRUCTURES IN PLACE AND MATCH GRADE. SEE SHEET CG503 FOR DRAINAGE STRUCTURE AD USTMENT SCHEDULE.

LEGEND:

- 5-INCH ASPHALT MIX OVERLAY
- NEW SHOULDER PAVEMENT
- EXISTING STORM DRAIN
- EXISTING SANITARY MANHOLE
- EXISTING COMMUNICATION MANHOLE
- EXISTING ELECTRIC MANHOLE
- EXISTING SIGN
- EXISTING ELECTRIC CAN
- EXISTING UTILITY MANHOLE
- EXISTING ELECTRIC UNCTION BOX



KEYMAP

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER ANY ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

JKL
JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
307 SEVENTH AVENUE, ROOM 2302,
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PHONE: 410-465-9600

SEAL: STATE OF NEW YORK · CEDRIC ANTHONY PRATT · No. 082609 · LICENSED PROFESSIONAL ENGINEER

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WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

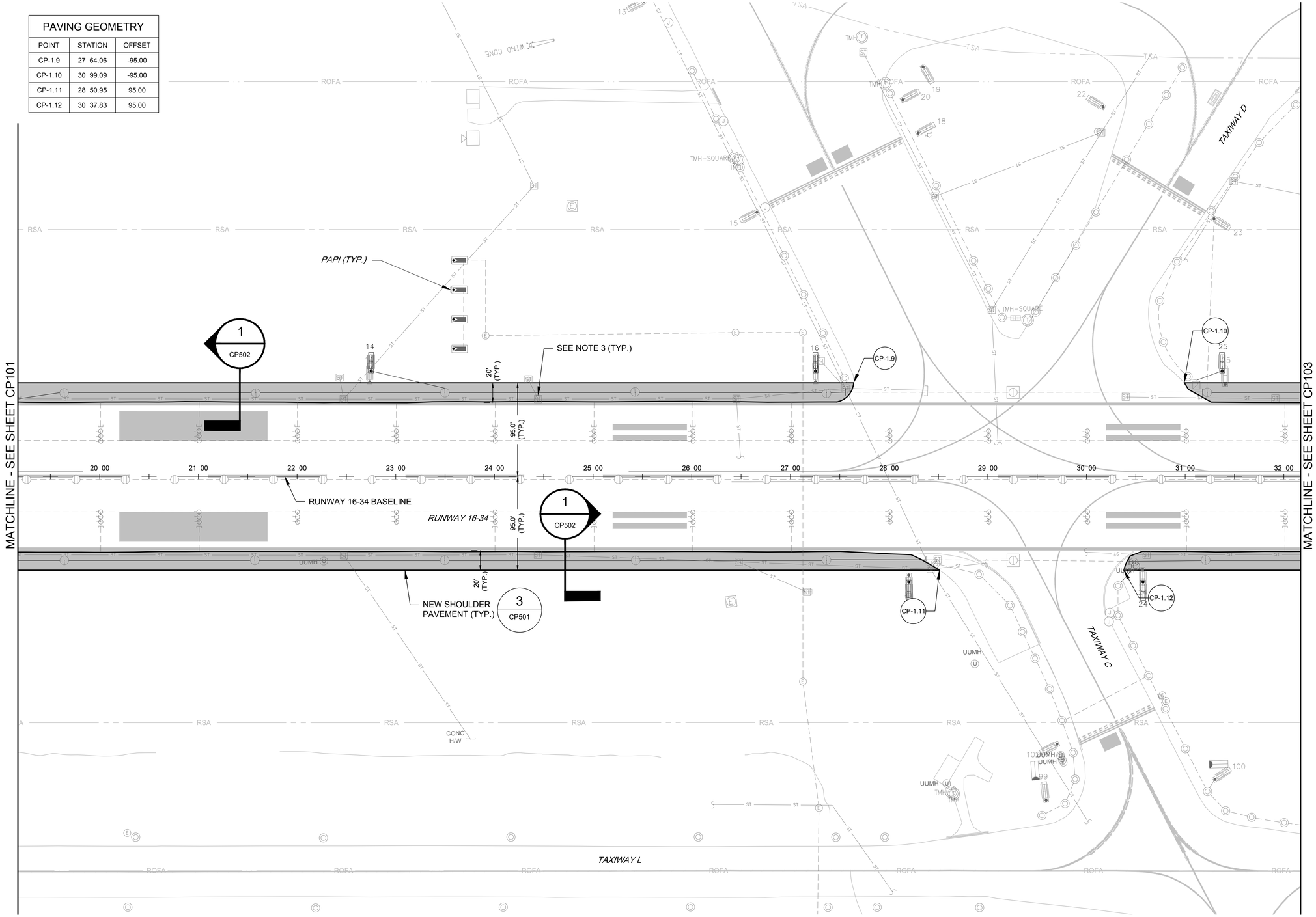
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

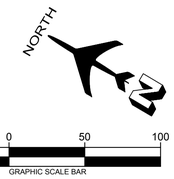
PAVING AND GEOMETRY PLAN 1

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CP101
DWG NO.:	31 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-C-529-0	0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CP101_6 Paving and Geometry Plans.dwg LAYOUT NAME: CP101 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 2:59pm

PAVING GEOMETRY		
POINT	STATION	OFFSET
CP-1.9	27 64.06	-95.00
CP-1.10	30 99.09	-95.00
CP-1.11	28 50.95	95.00
CP-1.12	30 37.83	95.00



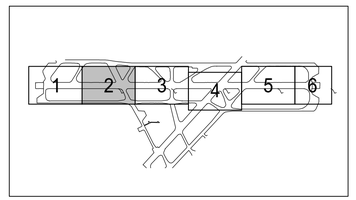


NOTES:

1. ALL UTILITIES SHALL REMAIN IN PLACE AND IN SERVICE UNLESS OTHERWISE STATED.
2. SEE SHEETS ES101 TO ES107 FOR ELECTRICAL NEW WORK PLANS.
3. PROTECT EXISTING STRUCTURES IN PLACE AND MATCH GRADE. SEE SHEET CG503 FOR DRAINAGE STRUCTURE AD USTMENT SCHEDULE.

LEGEND:

- NEW SHOULDER PAVEMENT
- EXISTING STORM DRAIN
- EXISTING SANITARY MANHOLE
- EXISTING COMMUNICATION MANHOLE
- EXISTING ELECTRIC MANHOLE
- EXISTING SIGN
- EXISTING ELECTRIC CAN
- EXISTING UTILITY MANHOLE
- EXISTING ELECTRIC UNCTION BOX



KEYMAP

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JKL
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307 SEVENTH AVENUE, ROOM 2302,
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PHONE: 410-465-9600

SEAL: STATE OF NEW YORK · CEDRIC ANTHONY HOLDER · No. 082909 · LICENSED PROFESSIONAL ENGINEER

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DIVISION OF ENGINEERING

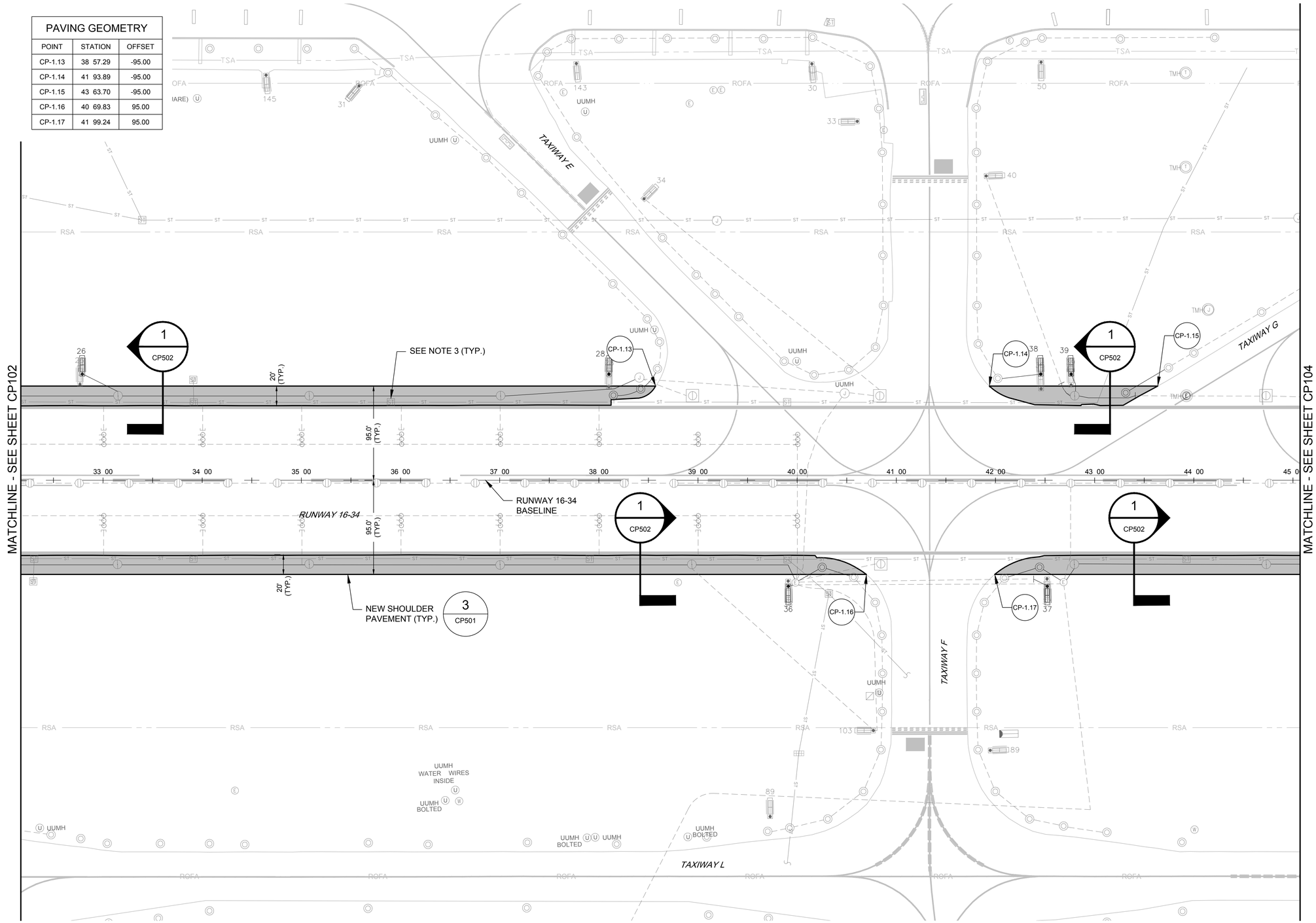
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

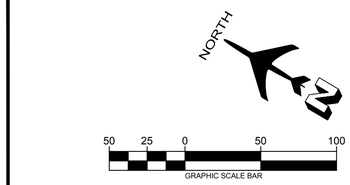
PAVING AND GEOMETRY PLAN 2

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CP102
DWG NO.:	32 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-C-530-0	0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CP101_6 Paving and Geometry Plans.dwg LAYOUT NAME: CP102 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 2:59pm

PAVING GEOMETRY		
POINT	STATION	OFFSET
CP-1.13	38 57.29	-95.00
CP-1.14	41 93.89	-95.00
CP-1.15	43 63.70	-95.00
CP-1.16	40 69.83	95.00
CP-1.17	41 99.24	95.00





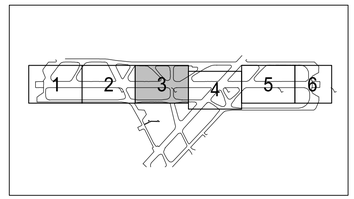
NOTES:
1. ALL UTILITIES SHALL REMAIN IN PLACE AND IN SERVICE UNLESS OTHERWISE STATED.

2. SEE SHEETS ES101 TO ES107 FOR ELECTRICAL NEW WORK PLANS.

3. PROTECT EXISTING STRUCTURES IN PLACE AND MATCH GRADE. SEE SHEET CG503 FOR DRAINAGE STRUCTURE AD USTMENT SCHEDULE.

LEGEND:

- NEW SHOULDER PAVEMENT
- ST EXISTING STORM DRAIN
- SS EXISTING SANITARY MANHOLE
- T EXISTING COMMUNICATION MANHOLE
- E EXISTING ELECTRIC MANHOLE
- EXISTING SIGN
- E EXISTING ELECTRIC CAN
- U EXISTING UTILITY MANHOLE
- J EXISTING ELECTRIC UNCTION BOX



KEYMAP

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JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
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PHONE: 410-465-9600

SEAL: STATE OF NEW YORK CEDRICK ANTHONY HOLLAND NO. 092909 LICENSED PROFESSIONAL ENGINEER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

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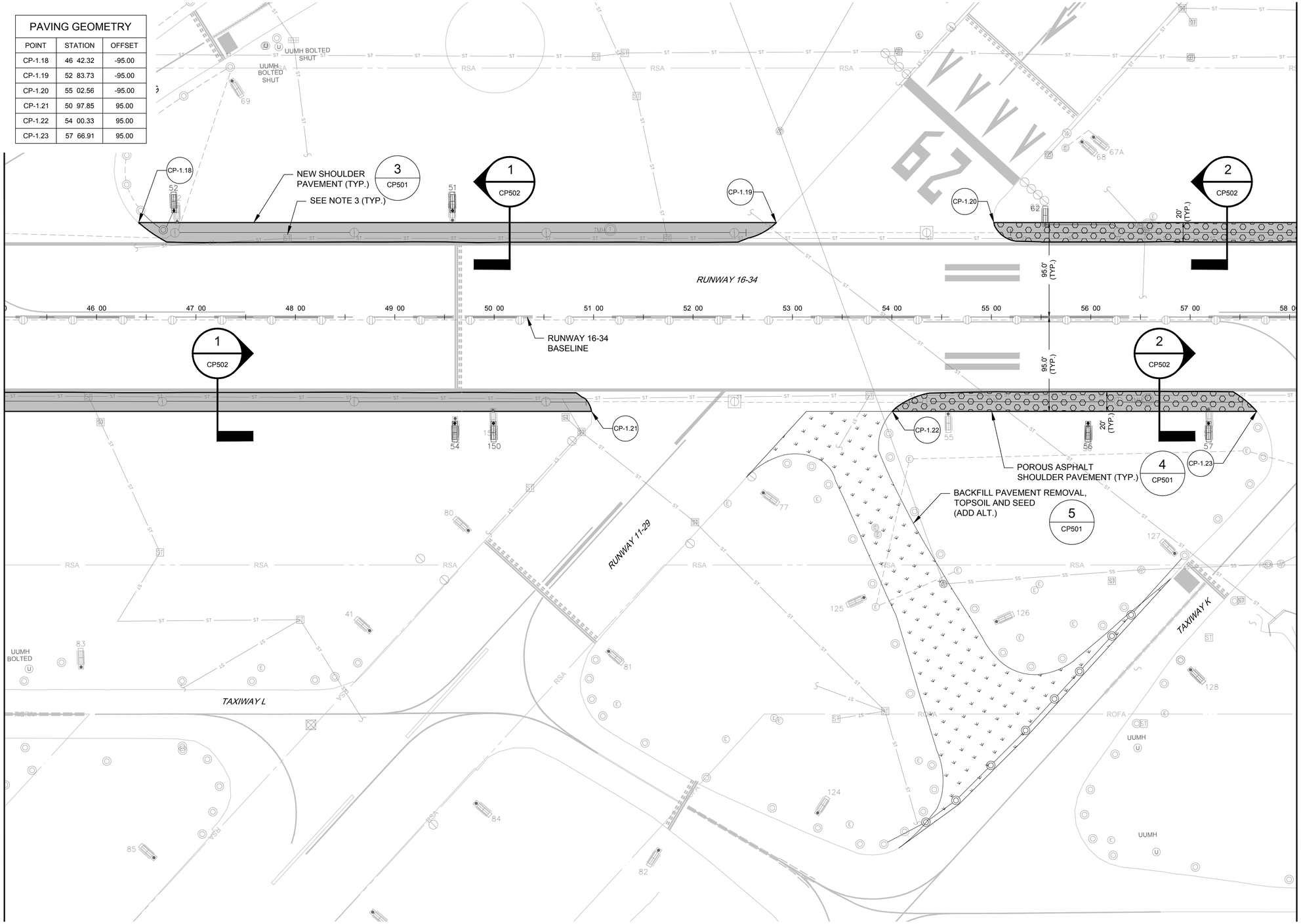
WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
PAVING AND GEOMETRY PLAN 3

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CP103
DWG NO.:	33 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-C-531-0	0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CP101_6 Paving and Geometry Plans.dwg LAYOUT NAME: CP103 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 2:59pm

PAVING GEOMETRY		
POINT	STATION	OFFSET
CP-1.18	46 42.32	-95.00
CP-1.19	52 83.73	-95.00
CP-1.20	55 02.56	-95.00
CP-1.21	50 97.85	95.00
CP-1.22	54 00.33	95.00
CP-1.23	57 66.91	95.00



NORTH

50 25 0 50 100

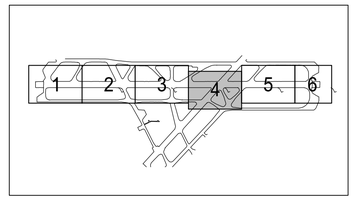
GRAPHIC SCALE BAR

NOTES:

1. ALL UTILITIES SHALL REMAIN IN PLACE AND IN SERVICE UNLESS OTHERWISE STATED.
2. SEE SHEETS ES101 TO ES107 FOR ELECTRICAL NEW WORK PLANS.
3. PROTECT EXISTING STRUCTURES IN PLACE AND MATCH GRADE. SEE SHEET CG503 FOR DRAINAGE STRUCTURE AD USTMENT SCHEDULE.

LEGEND:

- NEW SHOULDER PAVEMENT
- POROUS ASPHALT SHOULDER PAVEMENT
- TOPSOIL AND SEEDING
- EXISTING STORM DRAIN
- EXISTING SANITARY MANHOLE
- EXISTING COMMUNICATION MANHOLE
- EXISTING ELECTRIC MANHOLE
- EXISTING SIGN
- EXISTING ELECTRIC CAN
- EXISTING UTILITY MANHOLE
- EXISTING ELECTRIC UNCTION BOX



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SEAL:

STATE OF NEW YORK · ANTHONY CEDRICK JOHNSON · LICENSED PROFESSIONAL ENGINEER · No. 082608

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

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WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

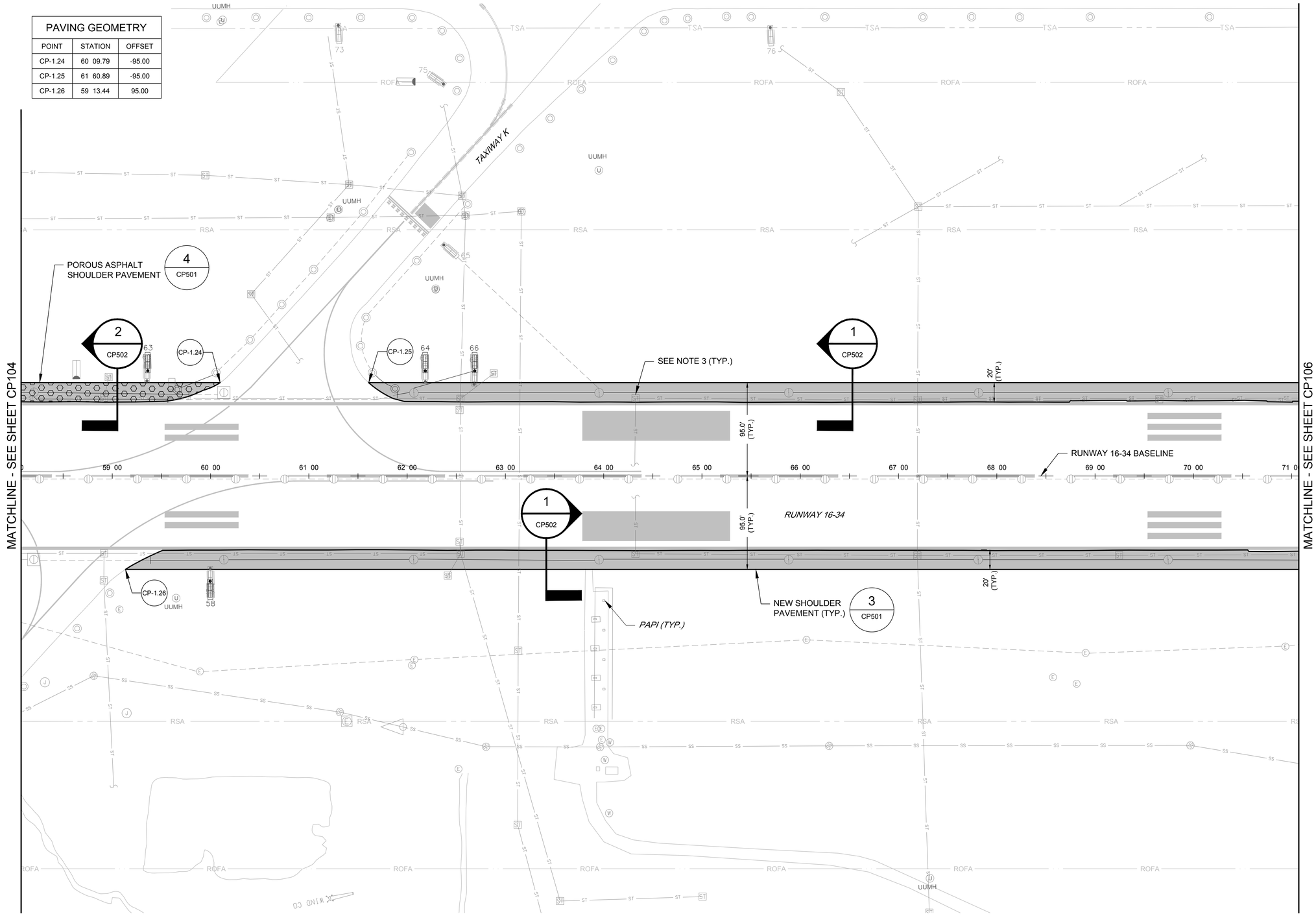
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

PAVING AND GEOMETRY PLAN 4

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CP104
DWG NO.:	34 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-C-532-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CP101_6 Paving and Geometry Plans.dwg LAYOUT NAME: CP104 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:00pm

PAVING GEOMETRY		
POINT	STATION	OFFSET
CP-1.24	60 09.79	-95.00
CP-1.25	61 60.89	-95.00
CP-1.26	59 13.44	95.00



NORTH

50 25 0 50 100

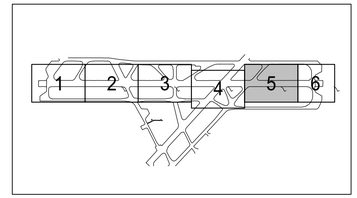
GRAPHIC SCALE BAR

NOTES:

1. ALL UTILITIES SHALL REMAIN IN PLACE AND IN SERVICE UNLESS OTHERWISE STATED.
2. SEE SHEETS ES101 TO ES107 FOR ELECTRICAL NEW WORK PLANS.
3. PROTECT EXISTING STRUCTURES IN PLACE AND MATCH GRADE. SEE SHEET CG503 FOR DRAINAGE STRUCTURE AD USTMENT SCHEDULE.

LEGEND:

- NEW SHOULDER PAVEMENT
- POROUS ASPHALT SHOULDER PAVEMENT
- ST EXISTING STORM DRAIN
- SS EXISTING SANITARY MANHOLE
- T EXISTING COMMUNICATION MANHOLE
- E EXISTING ELECTRIC MANHOLE
- EXISTING SIGN
- E EXISTING ELECTRIC CAN
- U EXISTING UTILITY MANHOLE



KEYMAP

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER ANY ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

JKL
JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
307 SEVENTH AVENUE, ROOM 2302,
NEW YORK, NY 10001
PHONE: 410-465-9600

SEAL: STATE OF NEW YORK CEDRICK ANTHONY KUKATA NO. 082909 LICENSED PROFESSIONAL ENGINEER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

BID DOCUMENTS

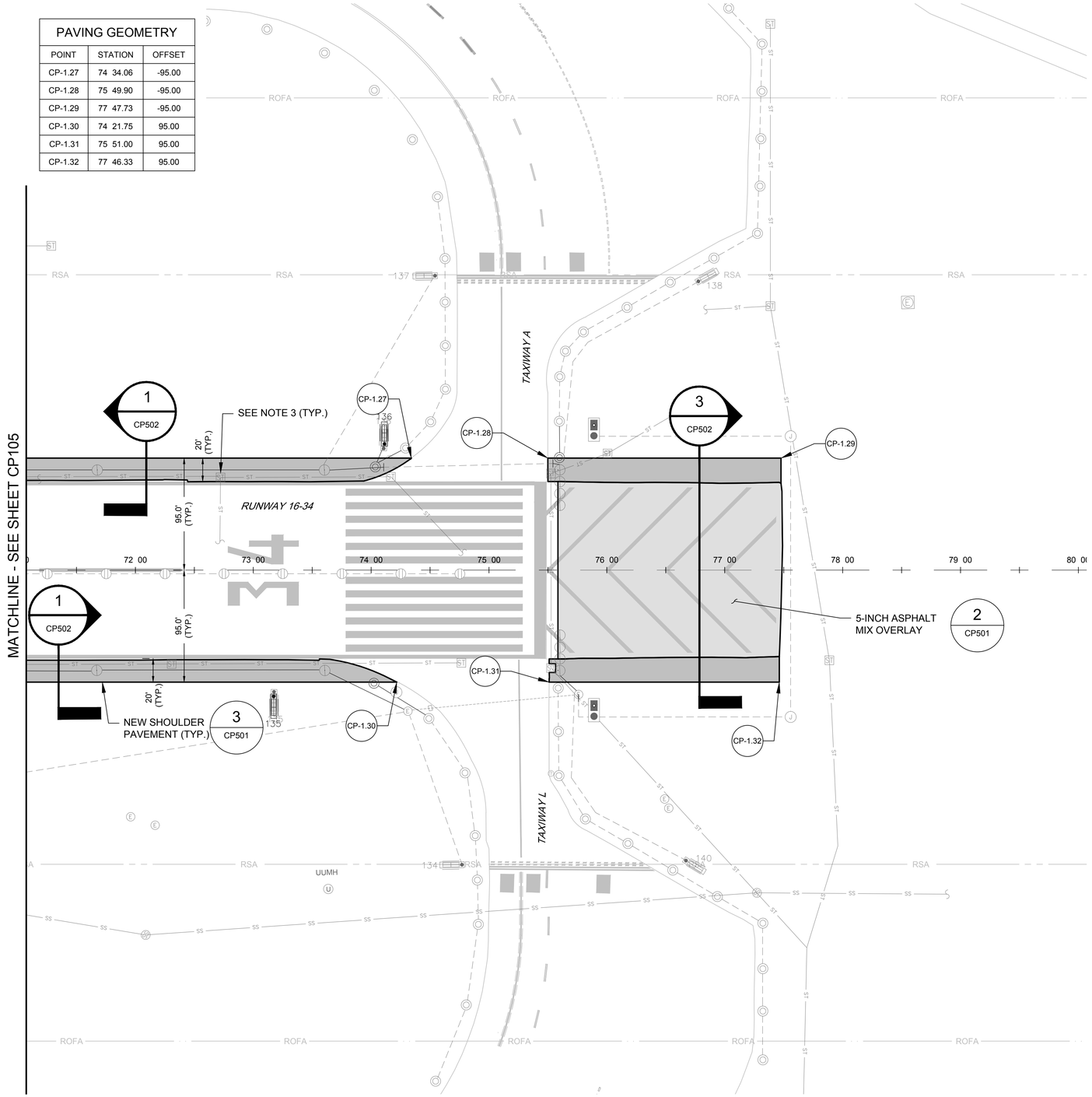
WESTCHESTER COUNTY AIRPORT

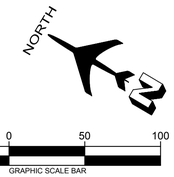
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
PAVING AND GEOMETRY PLAN 5

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CP105
DWG NO.:	35 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-C-533-0	0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CP101_6 Paving and Geometry Plans.dwg LAYOUT NAME: CP105 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:00pm

PAVING GEOMETRY		
POINT	STATION	OFFSET
CP-1.27	74 34.06	-95.00
CP-1.28	75 49.90	-95.00
CP-1.29	77 47.73	-95.00
CP-1.30	74 21.75	95.00
CP-1.31	75 51.00	95.00
CP-1.32	77 46.33	95.00





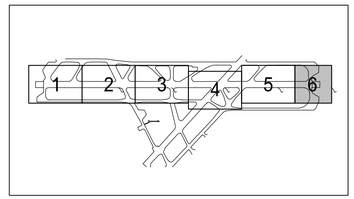
NOTES:
1. ALL UTILITIES SHALL REMAIN IN PLACE AND IN SERVICE UNLESS OTHERWISE STATED.

2. SEE SHEETS ES101 TO ES107 FOR ELECTRICAL NEW WORK PLANS.

3. PROTECT EXISTING STRUCTURES IN PLACE AND MATCH GRADE. SEE SHEET CG503 FOR DRAINAGE STRUCTURE AD USTMENT SCHEDULE.

LEGEND:

- 5-INCH ASPHALT MIX OVERLAY
- NEW SHOULDER PAVEMENT
- EXISTING STORM DRAIN
- EXISTING SANITARY MANHOLE
- EXISTING COMMUNICATION MANHOLE
- EXISTING ELECTRIC MANHOLE
- EXISTING SIGN
- EXISTING ELECTRIC CAN
- EXISTING UTILITY MANHOLE
- EXISTING ELECTRIC UNCTION BOX



KEYMAP

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JKL
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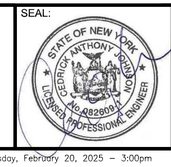
307 SEVENTH AVENUE, ROOM 2302,
NEW YORK, NY 10001
PHONE: 410-465-9600

SEAL:



BID DOCUMENTS

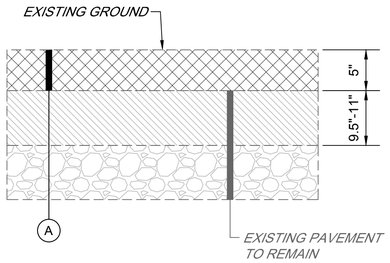
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
PAVING AND GEOMETRY PLAN 6

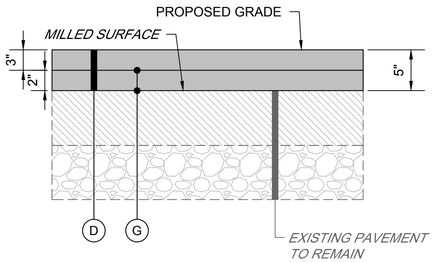
CONTRACT NUMBER:	SHEET NUMBER:
25-503	**CP106**
DWG NO.:	36 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-C-534-0	0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CP101_6 Paving and Geometry Plans.dwg LAYOUT NAME: CP106 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:00pm



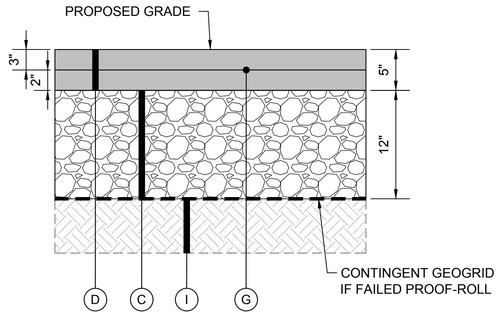
1 CP501 — 5-INCH DEPTH MILL (BLAST PADS)

SCALE: NTS



2 CP501 — 5-INCH DEPTH OVERLAY (BLAST PADS)

SCALE: NTS

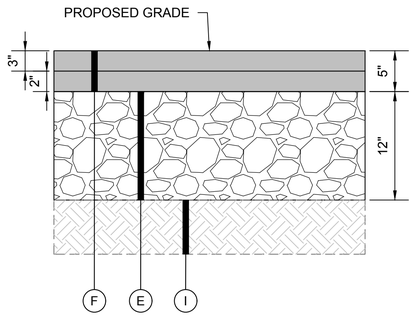


3 CP501 — RUNWAY SHOULDER PAVEMENT SECTION

SCALE: NTS

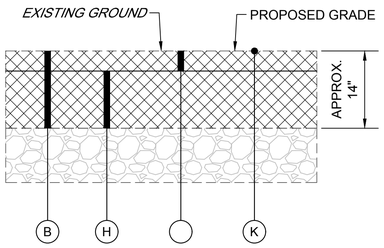
PROPOSED LEGEND:

- (A) COLD MILLING, VARIABLE DEPTH (P-101-5.1)
- (B) PAVEMENT REMOVAL (P-101-5.2)
- (C) CRUSHED AGGREGATE BASE COURSE, 12-INCH DEPTH (P-209-5.1)
- (D) ASPHALT MIX PAVEMENT, 5-INCH DEPTH (PG64-22H) (P-401-8.1)
- (E) AGGREGATE BASE COURSE,12-INCH DEPTH (D-751-5.6)
- (F) POROUS ASPHALT MIX PAVEMENT, 5-INCH DEPTH (D-751-5.6)
- (G) EMULSIFIED ASPHALT TACK COAT (P-603-5.1)
- (H) EARTHEN EMBANKMENT (P-152-4.1)
- (I) COMPACTED SUBGRADE (PER P-152)
- ( ) TOPSOIL, 4-INCH DEPTH (T-905-5.1)
- (K) SEEDING (T-901-5.1)



4 CP501 — POROUS ASPHALT RUNWAY SHOULDER PAVEMENT SECTION

SCALE: NTS

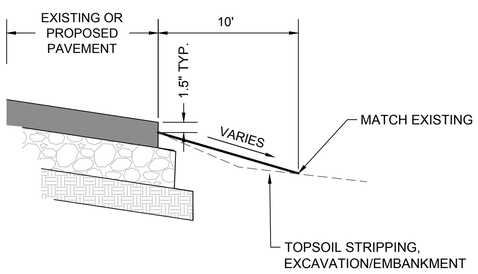


NOTES:

A. FOR PAVEMENT REMOVAL IN AREAS TO INCLUDE NEW SHOULDER CONSTRUCTION, BACKFILL WITH P-209 TO DEPTH RE UIRED TO MEET PROPOSED GRADE WITH P-401 PAVING.

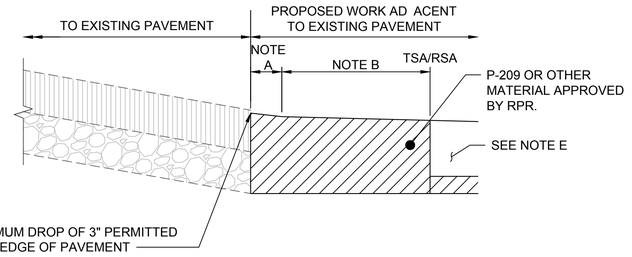
5 CP501 — PAVEMENT REMOVAL BACKFILL

SCALE: NTS



6 CP501 — OFF-PAVEMENT GRADING AND STABILI ATION DETAIL

SCALE: NTS



NOTES:

A. MAINTAIN A 5.0 GRADE AWAY FROM PAVEMENT FOR 10 FEET OF UNPAVED SURFACE AD ACENT TO THE PAVED SURFACE TOWARD A DRAIN.
B. MAINTAIN A 1.5 TO 3.0 GRADE AWAY FROM PAVEMENT TOWARD A DRAIN
C. THE RSA EXTENDS 250 FT. MEASURED PERPENDICULARLY FROM THE RUNWAY CENTERLINE UNLESS OTHERWISE NOTED.
D. THE TSA EXTENDS FROM THE TAXIWAY CENTERLINE.
E. RPR SHALL APPROVE GRADING WITHIN A TSA OR RSA PRIOR TO OPENING A CLOSED TAXIWAY OR RUNWAY.
F. AT LIMIT OF TSA/RSA, A DROP IS PERMISSIBLE.

7 CP501 — TEMPORARY SAFETY AREA RESTORATION DETAIL

SCALE: NTS

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PHONE: 410-465-9600

SEAL:

STATE OF NEW YORK · CEDRICK ANTHONY JOHNSON · No. 082901 · LICENSED PROFESSIONAL ENGINEER

BID DOCUMENTS

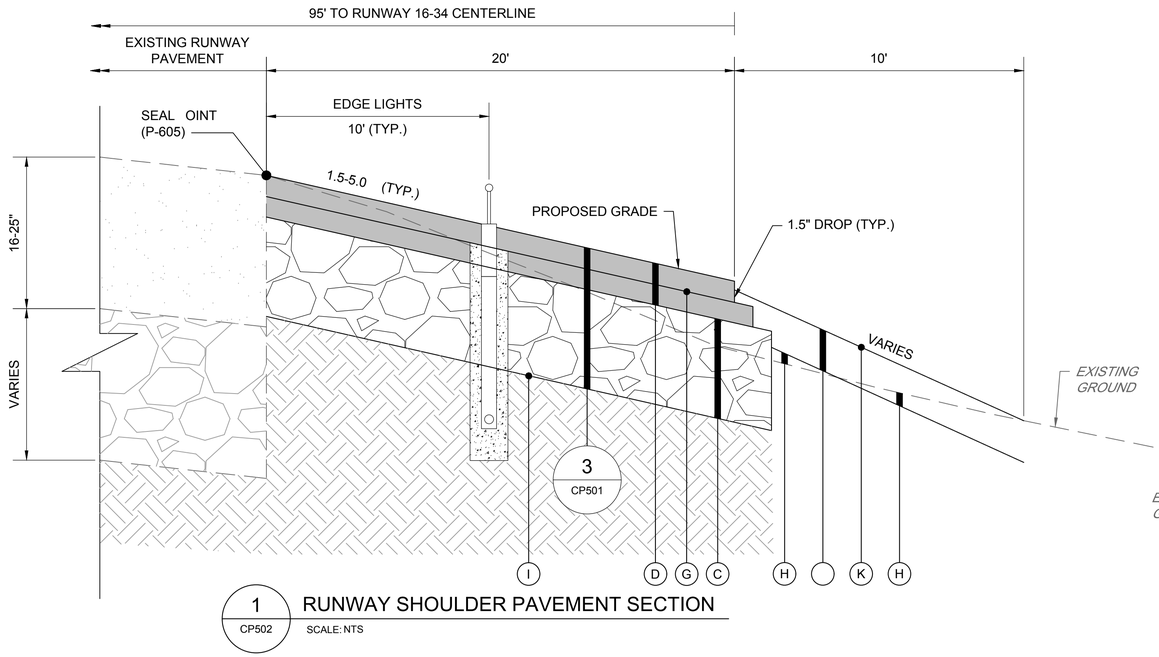
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
PAVING DETAILS

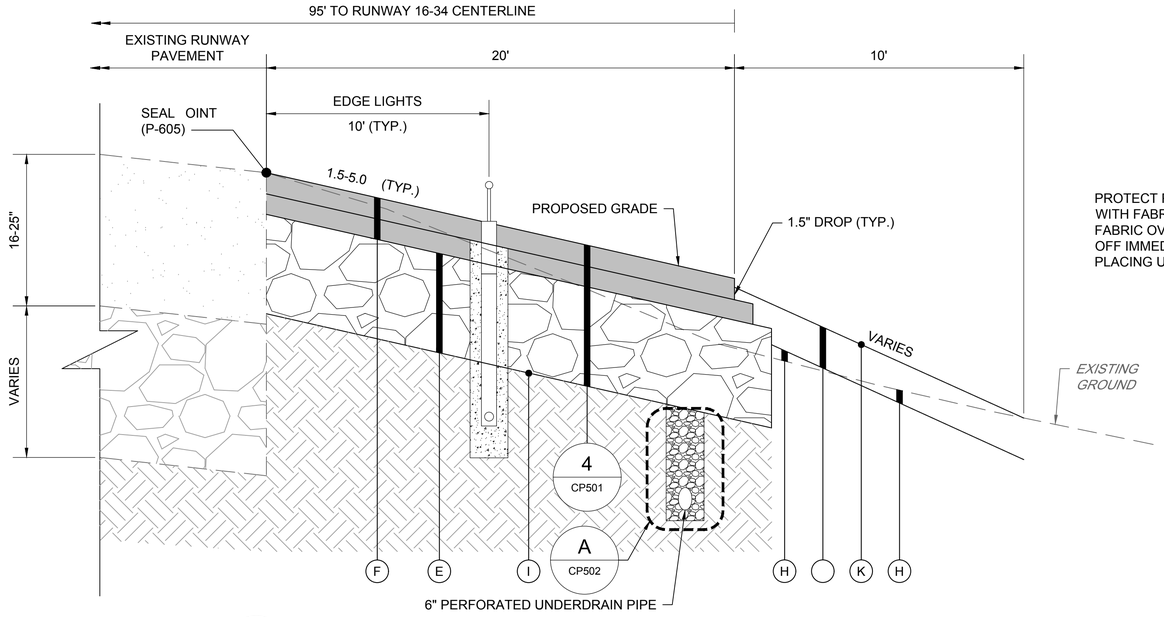
CONTRACT NUMBER:	SHEET NUMBER:
25-503	CP501
DWG NO.:	37 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-C-535-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CP501 Paving Details.dwg LAYOUT NAME: CP501 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:01pm



1 CP502 — RUNWAY SHOULDER PAVEMENT SECTION

SCALE: NTS

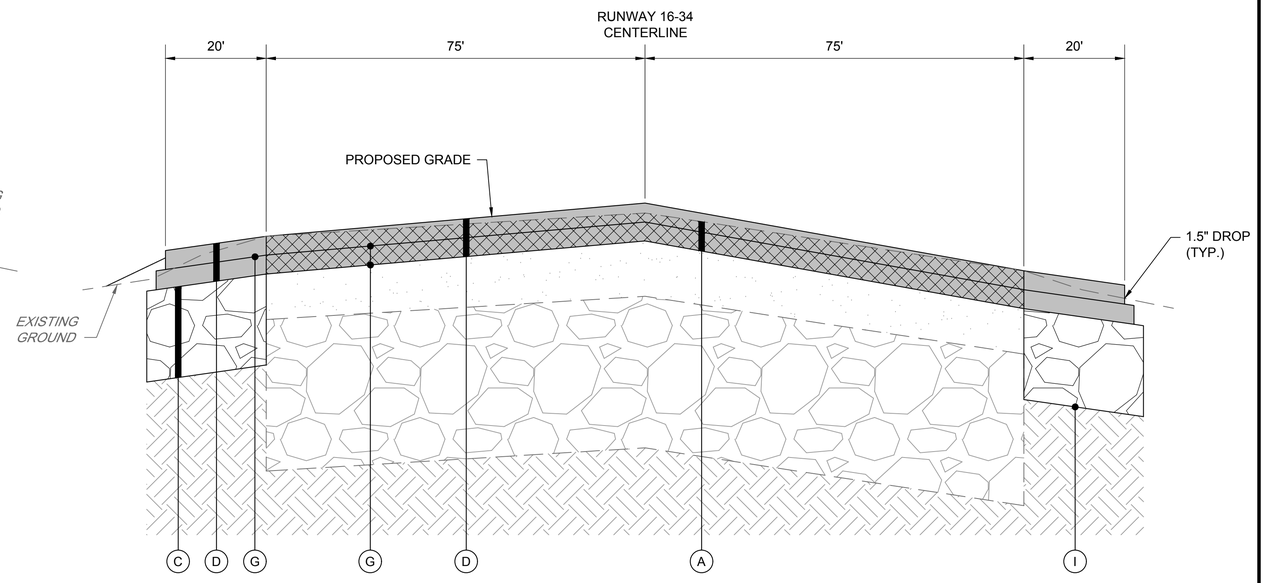


2 CP502 — POROUS PAVEMENT RUNWAY SHOULDER SECTION

SCALE: NTS

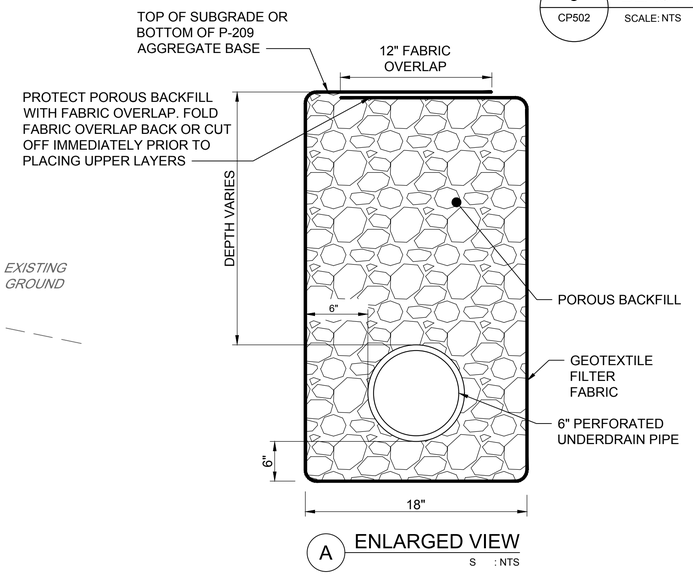
PROPOSED LEGEND:

- (A) COLD MILLING, VARIABLE DEPTH (P-101-5.1)
- (B) PAVEMENT REMOVAL (P-101-5.2)
- (C) CRUSHED AGGREGATE BASE COURSE, 12-INCH DEPTH (P-209-5.1)
- (D) ASPHALT MIX PAVEMENT, 5-INCH DEPTH (PG64-22H) (P-401-8.1)
- (E) AGGREGATE BASE COURSE,12-INCH DEPTH (D-751-5.6)
- (F) POROUS ASPHALT MIX PAVEMENT, 5-INCH DEPTH (D-751-5.6)
- (G) EMULSIFIED ASPHALT TACK COAT (P-603-5.1)
- (H) UNCLASSIFIED EXCAVATION/EARTHEN EMBANKMENT (P-152-4.1)
- (I) COMPACTED SUBGRADE (PER P-152)
- ( ) TOPSOIL, 4-INCH DEPTH (T-905-5.1)
- (K) SEEDING (T-901-5.1)



3 CP502 — BLAST PAD SECTION

SCALE: NTS



A — ENLARGED VIEW

S : NTS

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JKL
JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
307 SEVENTH AVENUE, ROOM 2302,
NEW YORK, NY 10001
PHONE: 410-465-9600

SEAL:

STATE OF NEW YORK — CEDRICK ANTHONY JOHNSON — No. 082909 — LICENSED PROFESSIONAL ENGINEER

BID DOCUMENTS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

TYPICAL SECTIONS

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CP502
DWG NO.:	38 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-C-536-0	0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CP502 TYPICAL SECTIONS.dwg LAYOUT NAME: CP502 USER: MBishop PLOTTED: Thursday, February 20, 2025 – 3:01pm

1 CG502 OS-1

RIP RAP OUTLET PROTECTION

2 CE501

1 CG101 ENLARGEMENT A SCALE: 1" 10'

7 CG501 AD UST TO GRADE AND CONVERT TO MANHOLE (TYP.)

7 CG501 AD UST TO GRADE (TYP.)

RUNWAY 16-34 BASELINE

TAXIWAY B

TAXIWAY L

RUNWAY 16-34

1 CG501 IN-1

1 CG501 MH-1

P1 138 LF 15" RCP

P2 521 LF 15" RCP

3 CG501 CONVERT TO MANHOLE (TYP.)

1 CG101

LIMIT OF SURVEY (TYP.)

MATCHLINE - SEE SHEET CG102

NORTH

50 25 0 50 100

GRAPHIC SCALE BAR

NOTES:

1. ALL UTILITIES SHALL REMAIN IN PLACE AN IN SERVICE UNLESS OTHERWISE NOTED.
2. ELEVATIONS AT EXISTING STRUCTURES ARE TO MATCH EXISTING GRADES UNLESS NOTED OTHERWISE.
3. SEE SHEET CG201 FOR DRAINAGE PROFILES AND SHEET CG503 FOR DRAINAGE SCHEDULES.
4. SEE SHEET CG701 FOR BLAST PAD CROSS SECTIONS.

LEGEND:

- EXISTING STORM INLET
- EXISTING SANITARY MANHOLE
- EXISTING COMMUNICATION MANHOLE
- EXISTING ELECTRIC MANHOLE
- EXISTING SIGN
- EXISTING ELECTRIC CAN
- EXISTING UTILITY MANHOLE
- 430.0 EXISTING CONTOURS
- 435 PROPOSED CONTOURS
- LIMIT OF SURVEY
- PROPOSED PAVEMENT
- PROPOSED STORM INLET
- PROPOSED STORM PIPE
- CONVERT INLET TO A MANHOLE
- AD UST INLET TO GRADE
- AD UST TO GRADE AND CONVERT TO A MANHOLE
- 435.00 SPOT ELEVATION

1 2 3 4 5 6

KEYMAP

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER ANY ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

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307 SEVENTH AVENUE, ROOM 2302,
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PHONE: 410-465-9600

SEAL: STATE OF NEW YORK ANTHONY CEDRICK JOHNSON LICENSED PROFESSIONAL ENGINEER No. 082608

BID DOCUMENTS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

GRADING AND DRAINAGE PLAN 1

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CG101
DWG NO.:	39 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-C-537-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CG101_6 GRADING AND DRAINAGE PLANS.dwg LAYOUT NAME: CG101 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:04pm

MATCHLINE - SEE SHEET CG101

MATCHLINE - SEE SHEET CG103

LIMIT OF SURVEY

CONVERT TO MANHOLE (TYP.) — 3 / CG501

AD UST TO GRADE (TYP.) — 7 / CG501

AD UST TO GRADE AND CONVERT TO MANHOLE (TYP.) — 7 / CG501

RUNWAY 16-34 BASELINE

RUNWAY 16-34

TAXIWAY D

TAXIWAY C

TAXIWAY L

ROFA

RSA

CB-22459
RIM 419.76
NE 414.9
NW 414.9

SW 418.6
RIM 422.10
CB-22476

CB-22475
RIM 422.58
NE 418.2
E 417.0
SE 417.0
NW 417.0

CB-22486
RIM 419.99
N 415.9
SE 414.0
NW 414.1

E 416.6
RIM 418.67
CB-22485

SE 411.4
SW 412.6
NW 411.5
RIM 417.19
CB-22487

S 412.5
RIM 414.66
CB-22490

N 411.4
NE 409.2
SE 409.2
SW 409.2
NW 409.3
RIM 415.84
CB-22498

CB-22397
RIM 415.73
NE 410.9
SE 410.9
SW 410.9

CB-22774
RIM 414.78
NE 409.6
E 409.6
SW 409.7

E 409.0
W 409.0
NW 409.5
RIM 415.17
CB-22364

S 408.0
W 408.6
RIM 413.64
CB-22318

CB-NOT FOUND

SE 407.0
NW 407.1
RIM 412.63
CB-22334

CB-22657

CB-22658
RIM 419.44
SE 414.1
NW 414.2

RIM 416.07
SE 410
S 409.9
NW 410.8

W 410.7
RIM 414.29
CB-22721

CB-22722
RIM 414.42
N 411.6

CB-22720
RIM 414.16
NE 407.9
E 410.5
SW 407.9
NW 408.0

SE 407.0
W 407.1
NW CAPPED
RIM 412.48
CB-22742

S 403.3
NW 405.0
RIM 408.47
CB-22686

TMH-22660

TMH-SQUARE

CONC H/W

8" SICPP

12" RCP CAPPED

15" RCP CAPPED

6" CPP

NORTH

50 25 0 50 100
GRAPHIC SCALE BAR

NOTES:

1. ALL UTILITIES SHALL REMAIN IN PLACE AN IN SERVICE UNLESS OTHERWISE NOTED.
2. ELEVATIONS AT EXISTING STRUCTURES ARE TO MATCH EXISTING GRADES UNLESS NOTED OTHERWISE.
3. SEE SHEET CG201 FOR DRAINAGE PROFILES AND SHEET CG503 FOR DRAINAGE SCHEDULES.
4. SEE SHEET CG701 FOR BLAST PAD CROSS SECTIONS.

LEGEND:

- EXISTING STORM INLET
- EXISTING SANITARY MANHOLE
- EXISTING COMMUNICATION MANHOLE
- EXISTING ELECTRIC MANHOLE
- EXISTING SIGN
- EXISTING ELECTRIC CAN
- EXISTING UTILITY MANHOLE
- 430.0 — EXISTING CONTOURS
- 435 — PROPOSED CONTOURS
- LIMIT OF SURVEY
- PROPOSED PAVEMENT
- PROPOSED STORM INLET
- PROPOSED STORM PIPE
- CONVERT INLET TO A MANHOLE
- AD UST INLET TO GRADE
- AD UST TO GRADE AND CONVERT TO A MANHOLE
- 435.00 — SPOT ELEVATION

1 2 3 4 5 6

KEYMAP

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER ANY ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

JKL
JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
307 SEVENTH AVENUE, ROOM 2302,
NEW YORK, NY 10001
PHONE: 410-465-9600

SEAL: STATE OF NEW YORK — CEDRIC ANTHONY PRATT — No. 082909 — LICENSED PROFESSIONAL ENGINEER

BID DOCUMENTS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

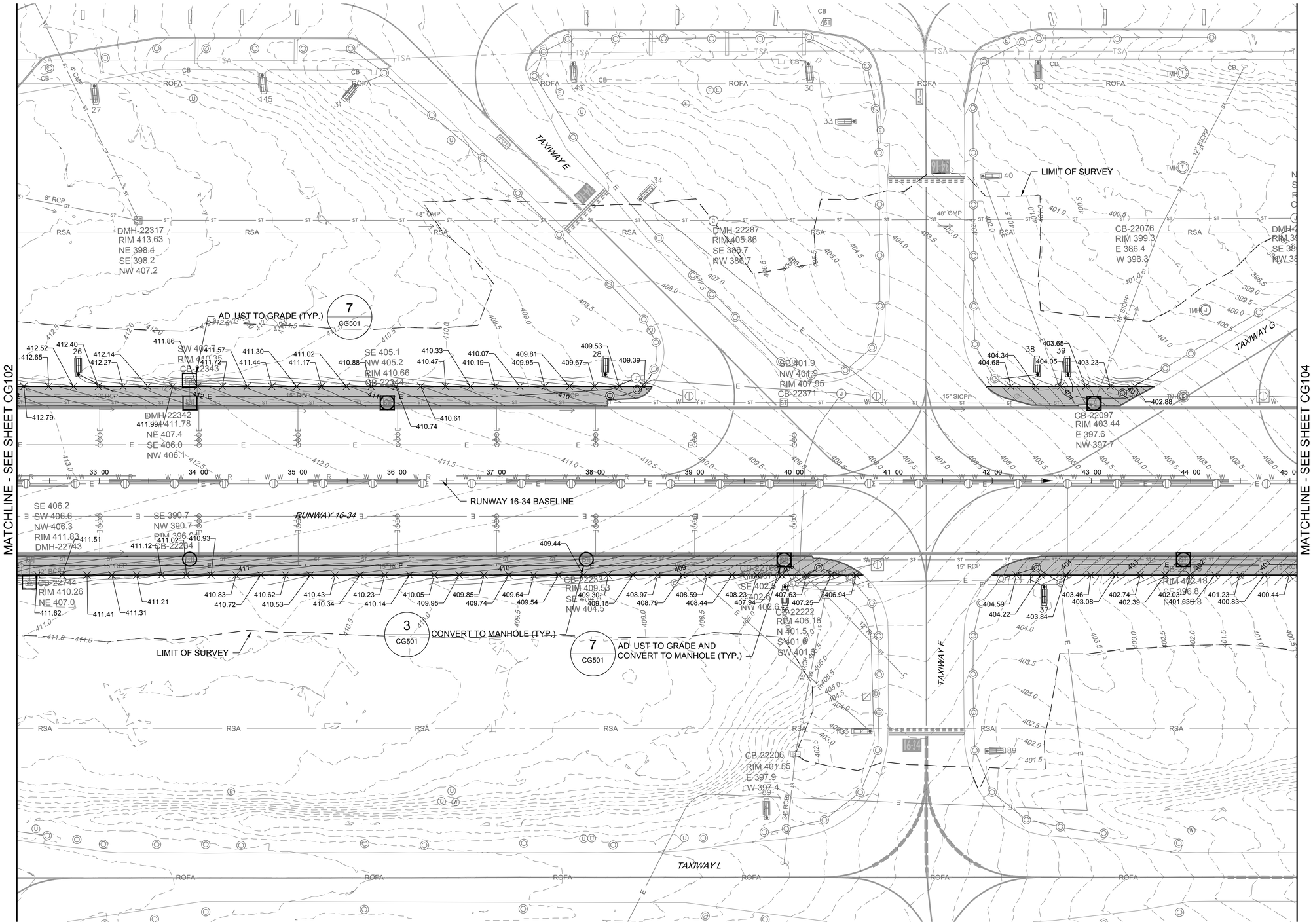
GRADING AND DRAINAGE PLAN 2

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CG102
DWG NO.:	40 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-C-538-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CG101_6 GRADING AND DRAINAGE PLANS.dwg LAYOUT NAME: CG102 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:05pm

MATCHLINE - SEE SHEET CG102

MATCHLINE - SEE SHEET CG104



NORTH

50 25 0 50 100

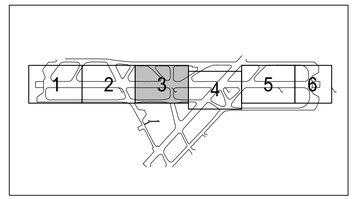
GRAPHIC SCALE BAR

NOTES:

1. ALL UTILITIES SHALL REMAIN IN PLACE AN IN SERVICE UNLESS OTHERWISE NOTED.
2. ELEVATIONS AT EXISTING STRUCTURES ARE TO MATCH EXISTING GRADES UNLESS NOTED OTHERWISE.
3. SEE SHEET CG201 FOR DRAINAGE PROFILES AND SHEET CG503 FOR DRAINAGE SCHEDULES.
4. SEE SHEET CG701 FOR BLAST PAD CROSS SECTIONS.

LEGEND:

- ST — EXISTING STORM INLET
- SS — EXISTING SANITARY MANHOLE
- T — EXISTING COMMUNICATION MANHOLE
- E — EXISTING ELECTRIC MANHOLE
- EXISTING SIGN
- E — EXISTING ELECTRIC CAN
- U — EXISTING UTILITY MANHOLE
- 430.0 — EXISTING CONTOURS
- 435 — PROPOSED CONTOURS
- LIMIT OF SURVEY
- PROPOSED PAVEMENT
- PROPOSED STORM INLET
- PROPOSED STORM PIPE
- ST — CONVERT INLET TO A MANHOLE
- ST — AD UST INLET TO GRADE
- ST — AD UST TO GRADE AND CONVERT TO A MANHOLE
- 435.00 — SPOT ELEVATION



KEYMAP

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER ANY ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

JKL
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PHONE: 410-465-9600

SEAL:

STATE OF NEW YORK — CEDRIC ANTHONY HOWARD — No. 082909 — LICENSED PROFESSIONAL ENGINEER

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REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

GRADING AND DRAINAGE PLAN 3

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CG103
DWG NO.:	41 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-C-539-0	0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CG101_6 GRADING AND DRAINAGE PLANS.dwg LAYOUT NAME: CG103 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:06pm

MATCHLINE - SEE SHEET CG103

MATCHLINE - SEE SHEET CG105

NE 384.3
SW 384.3
RIM 392.93
CB-21999

SE 379.3
NE 379.6
RIM 388.60
DMH-21997

SE 373.7
NW 376.4
RIM 386.09
DMH-21996

DMH-22703
RIM 382.88
E 375.4
SE 379.7
SW 380.0
NW 375.4

CB-21893
RIM 382.91
NE 380.4

DMH-21998
RIM 388.97
SE 380.6
NE 380.9

CB-22019
RIM 389.0
NE 383.0
SW 383.2

DMH-21994
RIM 383.15
SE 371.4
NW 371.5

TAXIWAY G

LIMIT OF SURVEY

460 LF OF 6" PERFORATED PVC UNDERDRAIN

CB-21910

DMH-22025
RIM 390.92
NE 385.2
SE 385.2
NW 385.2
DMH-22045

7 / CG501 — AD UST TO GRADE AND CONVERT TO MANHOLE (TYP.)

RUNWAY 16-34

RUNWAY 16-34 BASELINE

SE 393.9
SW 394.0
NW 393.9
RIM 399.13
CB-22116

CONVERT TO MANHOLE (TYP.)

3 / CG501

3 / CG502 — CO-1 PROPOSED CLEANOUT (TYP.)

CB-21892
RIM 388.32
SE 382.0
W 382.2

CO-2

CO-3

CO-4

CB-22117
RIM 397.99
NE 393.8
SW 393.9

CB-22133
RIM 391.06
S 388.8

CB-22132
RIM 392.45
N 388.4
NE 386.0
S 385.0
W 385.6

7 / CG501 — AD UST TO GRADE (TYP.)

520 LF OF 6" PERFORATED PVC UNDERDRAIN

UNDERDRAIN CONNECTION TO EXISTING PIPE — 5 / CG501

CB-22138
RIM 392.83
E 386.6
W 386.6

CB-22187
(FULL OF ASPHALT)
RIM 391.06
SE 388.2
(TOP OF PIPE)
STRUCTURE FILL OF ASPHALT

RUNWAY 11-29

CB-22147
RIM 397.79
NE 393.4
W 393.3

S 382.0
W 382.1
NW 387.9
RIM 393.0
CB-22148

CB-22195
RIM 394.02
E 391.2
SE 391.0

TAXIWAY L

LIMIT OF SURVEY

TAXIWAY H

TAXIWAY K

CB-21797

CB-21796

CB-21870
RIM 384.46
SE 380.5

CB-21867FA
RIM 383.88
N 376.7
NE 377.0
SW 376.7
NW 378.8

NORTH

50 25 0 50 100
GRAPHIC SCALE BAR

NOTES:

1. ALL UTILITIES SHALL REMAIN IN PLACE AN IN SERVICE UNLESS OTHERWISE NOTED.
2. ELEVATIONS AT EXISTING STRUCTURES ARE TO MATCH EXISTING GRADES UNLESS NOTED OTHERWISE.
3. SEE SHEET CG503 FOR DRAINAGE SCHEDULES.
4. SEE SHEET CG701 FOR BLAST PAD CROSS SECTIONS.

LEGEND:

- EXISTING STORM INLET
- EXISTING SANITARY MANHOLE
- EXISTING COMMUNICATION MANHOLE
- EXISTING ELECTRIC MANHOLE
- EXISTING SIGN
- EXISTING ELECTRIC CAN
- EXISTING UTILITY MANHOLE
- 430.0 — EXISTING CONTOURS
- 435 — PROPOSED CONTOURS
- PROPOSED PAVEMENT
- PROPOSED STORM INLET
- PROPOSED STORM PIPE
- CONVERT INLET TO A MANHOLE
- AD UST INLET TO GRADE
- AD UST TO GRADE AND CONVERT TO A MANHOLE
- 435.00 — SPOT ELEVATION
- UD — UNDERDRAIN
- UNDERDRAIN CLEANOUT

1 2 3 4 5 6

KEYMAP

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER ANY ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

JKL
JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
307 SEVENTH AVENUE, ROOM 2302,
NEW YORK, NY 10001
PHONE: 410-465-9600

SEAL: STATE OF NEW YORK — FREDERICK ANTHONY KUKATA — LICENSED PROFESSIONAL ENGINEER — No. 082900

BID DOCUMENTS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

GRADING AND DRAINAGE PLAN 4

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CG104
DWG NO.:	42 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-C-540-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CG101_6 GRADING AND DRAINAGE PLANS.dwg LAYOUT NAME: CG104 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:07pm

MATCHLINE - SEE SHEET CG104

MATCHLINE - SEE SHEET CG106

CO-5 PROPOSED CLEANOUT (TYP.)

3 CG502

CO-6

UNDERDRAIN CONNECTION TO EXISTING PIPE

4 CG501

LIMIT OF SURVEY

RUNWAY 16-34 BASELINE

RUNWAY 16-34

3 CG501 CONVERT TO MANHOLE (TYP.)

7 CG501 AD UST TO GRADE (TYP.)

7 CG501 AD UST TO GRADE AND CONVERT TO MANHOLE (TYP.)

LIMIT OF SURVEY

CB-21693 RIM 374.74 E 369.1 S 369.5

SE 369.0 NW 374.2 RIM 378.61 CB-21694

NE 372.7 SE 368.0 W 368.4 NW 368.8 RIM 376.0 CB-21690

DMH-21692 RIM 376.16 SE 365.7 NW 365.9

CB-21636 RIM 379.48 NE 375.0 SW 375.0

CB-21635 RIM 370.58 N 367.7 E 367.3 SE 366.9 SE 366.7 SW 365.8 NW 367.7

CB-21634 RIM 371.99 E 368.6 SE 368.8 NW 368.2

NE 371.0(48") SW 367.4 NW 367.5 RIM 379.22 CB-21671

DMH-21646 RIM 378.75 NE 367.3 SE 363.3 SW 367.2 NW 363.7

DMH-21645 RIM 378.24 BOTTOM 363.6

NE 366.2 SE 369.2(8") SE 366.4(24") SW 366.0

W 376.2 RIM 378.69 CB-21723

DMH-22765 RIM 379.15 E 375.8 SE 374.2 NW 374.0

CB-21672 RIM 376.19 NE 371.5

NW 371.3 RIM 373.93 CB-21670

DMH-22755 RIM 376.03 E 370.7 SW 365.6 NW 368.7

W 368.7 RIM 374.59 CB-21676

CB-21675 RIM 374.72

DMH-22735 RIM 376.82

SE 370.1(8") SE 367.7(24") NW 370.8(8") NW 367.5(24")

SE 374.4 S 374.3 NW 374.4 RIM 379.9 CB-22753

CB-21829 RIM 379.39 N 373.1 S 373.1

CB-21830

DMH-22757 RIM 375.57 NE 371.0(48") SW 364.9 W 371.8 NW 368.9

CB-21737 RIM 374.03 E 371.9

DMH-21733 RIM 373.68 NE 361.3 SW 361.2

DMH-21828 RIM 374.78 NE 361.0 SW 360.9

CB-21748

CB-21764

CB-21765 RIM 374.93 E 365.5 SE 365.8 NW 365.7

CB-21766 RIM 375.38 SW 367.1 NW 366.8

NORTH

50 25 0 50 100

GRAPHIC SCALE BAR

NOTES:

1. ALL UTILITIES SHALL REMAIN IN PLACE AN IN SERVICE UNLESS OTHERWISE NOTED.
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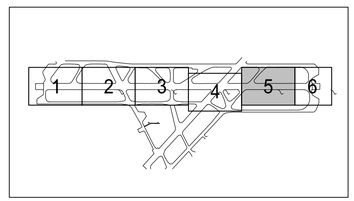
3. SEE SHEET CG503 FOR DRAINAGE SCHEDULES.
4. SEE SHEET CG701 FOR BLAST PAD CROSS SECTIONS.

LEGEND:

- EXISTING STORM INLET
- EXISTING SANITARY MANHOLE
- EXISTING COMMUNICATION MANHOLE
- EXISTING ELECTRIC MANHOLE
- EXISTING SIGN
- EXISTING ELECTRIC CAN
- EXISTING UTILITY MANHOLE
- 430.0 — EXISTING CONTOURS
- 435 — PROPOSED CONTOURS
- PROPOSED PAVEMENT
- PROPOSED STORM INLET
- PROPOSED STORM PIPE
- CONVERT INLET TO A MANHOLE
- AD UST INLET TO GRADE
- AD UST TO GRADE AND CONVERT TO A MANHOLE
- 435.00 SPOT ELEVATION
- UD — UNDERDRAIN
- UNDERDRAIN CLEANOUT



KEYMAP

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER ANY ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

JKL
JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
307 SEVENTH AVENUE, ROOM 2302,
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PHONE: 410-465-9600

SEAL: STATE OF NEW YORK CEDRICK ANTHONY JOHNSON No. 082609 LICENSED PROFESSIONAL ENGINEER

BID DOCUMENTS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

WESTCHESTER COUNTY AIRPORT

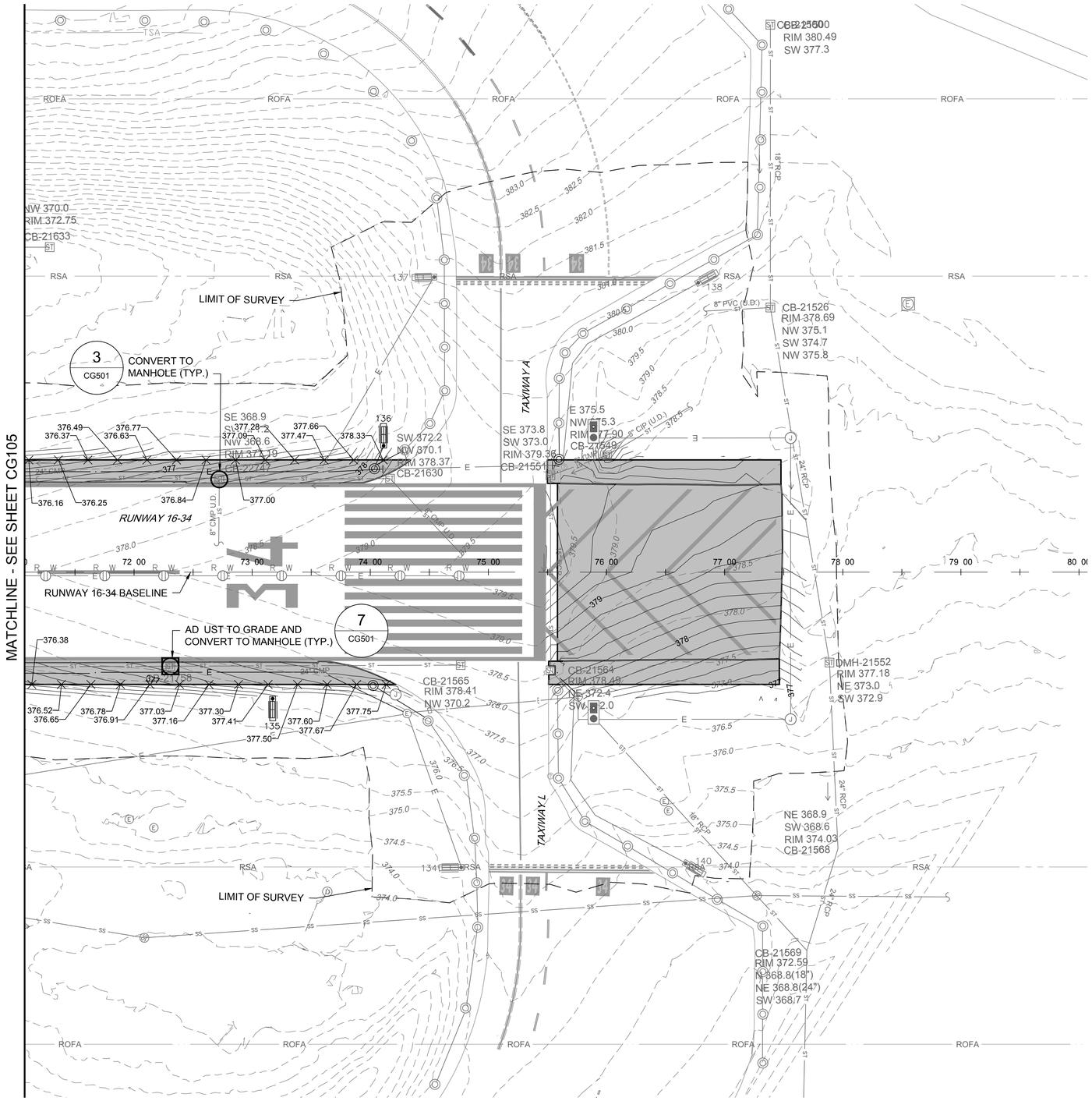
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

GRADING AND DRAINAGE PLAN 5

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CG105
DWG NO.: 43 of 99	
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-C-541-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CG101_6 GRADING AND DRAINAGE PLANS.dwg LAYOUT NAME: CG105 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:08pm



NORTH

50 25 0 50 100

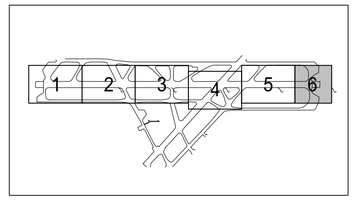
GRAPHIC SCALE BAR

NOTES:

1. ALL UTILITIES SHALL REMAIN IN PLACE AN IN SERVICE UNLESS OTHERWISE NOTED.
2. ELEVATIONS AT EXISTING STRUCTURES ARE TO MATCH EXISTING GRADES UNLESS NOTED OTHERWISE.
3. SEE SHEET CG201 FOR DRAINAGE PROFILES AND SHEET CG503 FOR DRAINAGE SCHEDULES.
4. SEE SHEET CG701 FOR BLAST PAD CROSS SECTIONS.

LEGEND:

- ST — EXISTING STORM INLET
- SS — EXISTING SANITARY MANHOLE
- T — EXISTING COMMUNICATION MANHOLE
- E — EXISTING ELECTRIC MANHOLE
- EXISTING SIGN
- E — EXISTING ELECTRIC CAN
- U — EXISTING UTILITY MANHOLE
- 430.0 — EXISTING CONTOURS
- 435 — PROPOSED CONTOURS
- LIMIT OF SURVEY
- PROPOSED PAVEMENT
- PROPOSED STORM INLET
- PROPOSED STORM PIPE
- ST — CONVERT INLET TO A MANHOLE
- ST — AD UST INLET TO GRADE
- ST — AD UST TO GRADE AND CONVERT TO A MANHOLE
- 435.00 — SPOT ELEVATION



KEYMAP

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JKL
JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
307 SEVENTH AVENUE, ROOM 2302,
NEW YORK, NY 10001
PHONE: 410-465-9600

SEAL: STATE OF NEW YORK · CEDRIC ANTHONY JOHNSON · No. 092609 · LICENSED PROFESSIONAL ENGINEER

BID DOCUMENTS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

WESTCHESTER COUNTY AIRPORT

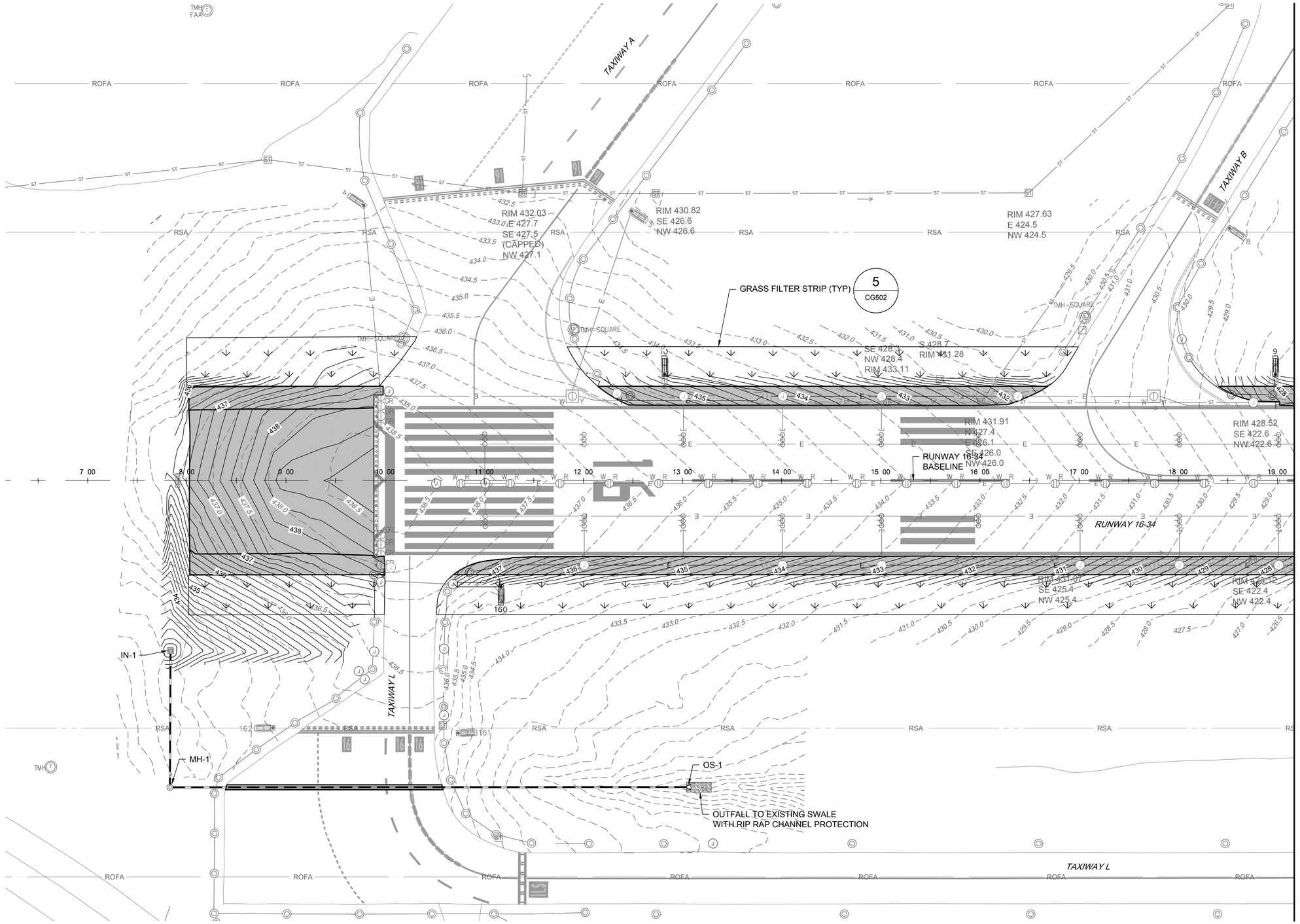
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

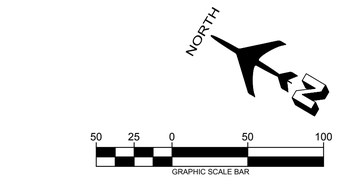
GRADING AND DRAINAGE PLAN 6

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CG106
DWG NO.:	44 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-C-542-0	0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CG101_6 GRADING AND DRAINAGE PLANS.dwg LAYOUT NAME: CG106 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:09pm



MATCHLINE - SEE SHEET CG108

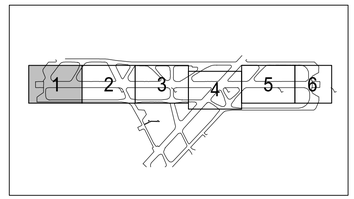


NOTES:

1. SEE SHEET CG503 FOR DRAINAGE SCHEDULES.

LEGEND:

- ST — EXISTING STORM INLET
- 430.0 — EXISTING CONTOURS
- 435 — PROPOSED CONTOURS
- PROPOSED ASPHALT PAVEMENT
- PROPOSED STORM INLET
- PROPOSED STORM PIPE
- PROPOSED GRASS FILTER STRIP
- PROPOSED POROUS ASPHALT PAVEMENT



KEYMAP

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JKL
JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
307 SEVENTH AVENUE, ROOM 2302,
NEW YORK, NY 10001
PHONE: 410-465-9600

SEAL:

BID DOCUMENTS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

STORMWATER POLLUTION PREVENTION PLANS 1

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CG107
DWG NO.:	45 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-C-543-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CG107_6 STORMWATER POLLUTION PREVENTION PLANS.dwg LAYOUT NAME: CG107 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:10pm

MATCHLINE - SEE SHEET CG107

MATCHLINE - SEE SHEET CG109

ROFA

RSA

TSA

RUNWAY 16-34
BASELINE

RUNWAY 16-34

TAXIWAY L

TAXIWAY C

TAXIWAY D

GRASS FILTER STRIP (TYP) 5 / CG502

RIM 419.76
NE 414.9
NW 414.9

SW 418.6
RIM 421.29

S 416.6
RIM 418.87

RIM 422.58
NE 418.2
E 417.0
SE 417.0
NW 417.0

RIM 419.99
N 415.9
SE 414.0
NW 414.1

SE 411.4
SW 412.6
NW 411.5
RIM 417.19

S 412.5
RIM 414.66

N 411.4
NE 409.2
SE 409.2
SW 409.2
NW 409.3
RIM 415.84

RIM 415.73
NE 410.9
SE 410.9
SW 410.9

RIM 414.78
NE 409.6
E 409.6
SW 409.7

E 409.0
W 409.0
NW 409.5
RIM 415.17

S 408.0
W 408.6
RIM 413.64

SE 407.0
NW 407.1
RIM 412.63

W 410.7
RIM 414.29

SE 407.0
W 407.1
NW CAPPED
RIM 412.48

RIM 415.98
SE 410.8
S 410.9
NW 410.8

RIM 419.44
SE 414.1
NW 414.2

RIM 414.42
N 411.6

RIM 414.18
NE 407.9
E 411.5
W 407.9
NW 408..0

S 403.3
NW 405.0
RIM 408.47

CONC H/W

TMH-SQUARE

TMH-T

WIND CONE

NORTH

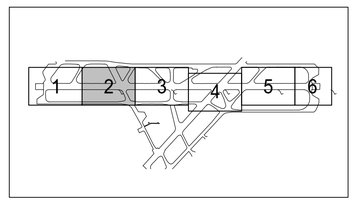
50 25 0 50 100
GRAPHIC SCALE BAR

NOTES:

1. SEE SHEET CG503 FOR DRAINAGE SCHEDULES.

LEGEND:

- ST — EXISTING STORM INLET
- 430.0 — EXISTING CONTOURS
- 435 — PROPOSED CONTOURS
- PROPOSED ASPHALT PAVEMENT
- PROPOSED STORM INLET
- PROPOSED STORM PIPE
- PROPOSED GRASS FILTER STRIP
- PROPOSED POROUS ASPHALT PAVEMENT



KEYMAP

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER ANY ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

JKL
JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
307 SEVENTH AVENUE, ROOM 2302,
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PHONE: 410-465-9600

SEAL: STATE OF NEW YORK · CEDRICK ANTHONY JOHNSON · LICENSED PROFESSIONAL ENGINEER · No. 082608

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

BID DOCUMENTS

WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
STORMWATER POLLUTION PREVENTION PLANS 2

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CG108
DWG NO.: 46 of 99	
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-C-544-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CG107_6 STORMWATER POLLUTION PREVENTION PLANS.dwg LAYOUT NAME: CG108 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:10pm

MATCHLINE - SEE SHEET CG108

MATCHLINE - SEE SHEET CG110

RUNWAY 16-34 BASELINE

RUNWAY 16-34

TAXIWAY E

TAXIWAY F

TAXIWAY G

TAXIWAY L

GRASS FILTER STRIP (TYP)

5 / CG502

RIM 413.63
NE 398.4
SE 398.2
NW 407.2

RIM 405.86
SE 386.7
NW 386.7

RIM 399.3
E 386.4
W 396.3

SW 408.7
RIM 410.35

SE 405.1
NW 405.2
RIM 410.66

SE 401.9
NW 401.9
RIM 407.95

83 LF 2" PVC

RIM 411.78
NE 407.4
SE 406.0
NW 406.1

RIM 403.44
E 397.6
NW 397.7

SE 406.2
SW 406.6
NW 406.3
RIM 411.83

SE 390.7
NW 390.7
RIM 396.04

RIM 410.26
NE 407.0

83 LF 2" PVC

RIM 409.53
SE 404.5
NW 404.5

RIM 407.08
SE 402.5
S 402.6
NW 402.6

RIM 406.18
N 401.5
S 401
SW 401

RIM 402.18
SE 396.8
NW 396.8

RIM 401.55
E 397.9
W 397.4

ROFA

RSA

TSA

NOTES:

1. SEE SHEET CG503 FOR DRAINAGE SCHEDULES.

LEGEND:

- EXISTING STORM INLET
- 430.0 — EXISTING CONTOURS
- 435 — PROPOSED CONTOURS
- PROPOSED ASPHALT PAVEMENT
- PROPOSED STORM INLET
- PROPOSED STORM PIPE
- PROPOSED GRASS FILTER STRIP
- PROPOSED POROUS ASPHALT PAVEMENT

NORTH

50 25 0 50 100

GRAPHIC SCALE BAR

1 2 3 4 5 6

KEYMAP

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SEAL: STATE OF NEW YORK · CEDRICK ANTHONY JOHNSON · No. 082609 · LICENSED PROFESSIONAL ENGINEER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

BID DOCUMENTS

WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
STORMWATER POLLUTION PREVENTION PLANS 3

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CG109
DWG NO.: 47 of 99	
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-C-545-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CG107_6 STORMWATER POLLUTION PREVENTION PLANS.dwg LAYOUT NAME: CG109 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:10pm

MATCHLINE - SEE SHEET CG109

MATCHLINE - SEE SHEET CG111

NE 384.3
SW 384.3
RIM 392.93

SE 379.3
NE 379.6
RIM 388.60

SE 373.7
NW 376.4
RIM 386.09

RIM 382.88
E 375.4
SE 379.7
SW 380.0
NW 375.4

RIM 382.91
NE 380.4

RIM 383.15
SE 371.4
NW 371.5

RIM 388.97
SE 380.6
NE 380.9

RIM 389.0
NE 383.0
SW 383.2

TAXIWAY G

GRASS FILTER STRIP (TYP)

5
CG502

DMH-22025
RIM 390.82
NE 385.2
SE 385.2
NW 386.2

RUNWAY 16-34

RUNWAY 16-34 BASELINE

SE 393.9
SW 394.0
NW 393.9
RIM 399.13

CB-21892
RIM 388.32
SE 382.0
W 382.2
NW 382.0

RIM 397.99
NE 393.8
SW 393.9

RIM 391.06
S 388.8

RIM 392.45
N 388.4
NE 386.0
S 385.0
W 385.6

RIM 392.83
E/386.6
W 386.6

RUNWAY 11-29

RIM 391.06
SE 388.2
(TOP OF PIPE)
STRUCTURE RSA OF
ASPHALT

TAXIWAY H

TAXIWAY K

RIM 397.79
NE 393.4
W 393.3

S 382.0
W 382.1
NW 387.9
RIM 393.0

RIM 394.02
E 391.2
SE 391.0

TAXIWAY L

RIM 384.46
SE 380.5

RIM 383.38
N 376.7
NE 377.0
SW 376.7
NW 376.8

RSA

ROFA

NORTH

50 25 0 50 100
GRAPHIC SCALE BAR

NOTES:

1. SEE SHEET CG503 FOR DRAINAGE SCHEDULES.

LEGEND:

- ST — EXISTING STORM INLET
- 430.0 — EXISTING CONTOURS
- 435 — PROPOSED CONTOURS
- PROPOSED ASPHALT PAVEMENT
- PROPOSED STORM INLET
- PROPOSED STORM PIPE
- PROPOSED GRASS FILTER STRIP
- PROPOSED POROUS ASPHALT PAVEMENT

1 2 3 4 5 6

KEYMAP

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STATE OF NEW YORK · CEDRICK ANTHONY JOHNSON · LICENSED PROFESSIONAL ENGINEER · No. 082901

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REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
STORMWATER POLLUTION PREVENTION PLANS 4

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CG110
DWG NO.:	48 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-C-546-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CG107_6 STORMWATER POLLUTION PREVENTION PLANS.dwg LAYOUT NAME: CG110 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:10pm

MATCHLINE - SEE SHEET CG110

MATCHLINE - SEE SHEET CG112

GRASS FILTER STRIP (TYP)

5
CG502

37 LF 2" PVC

37 LF 2" PVC

RUNWAY 16-34
BASELINE

RUNWAY 16-34

TAXIWAY K

SE 369.0
NW 374.2
RIM 378.61

NE 372.7
SE 368.0
W 368.4
NW 368.8
RIM 376.0

NE 368.7
SW 367.4
NW 367.5
RIM 379.22

RIM 378.24
BOTTOM 3836

RIM 378.75
NE 367.3
SE 363.3
SW 367.2
NW 363.7

RIM 376.16
SE 365.7
NW 365.9

RIM 374.74
E 369.1
S 369.5

W 376.2
RIM 378.69

NW 371.3
RIM 373.93

SE 367.5
W 368.7
RIM 374.59

RIM 379.48
NE 375.0
SW 375.0

RIM 370.58
N 367.7
E 367.3
SE 366.9
SE 366.7
SW 365.8
NW 367.7

RIM 371.09
E 368.6
SE 368.8
NW 368.2

NE 366.2
SE 369.2(8")
SE 366.4(24")
SW 366.0
NW 368.1(8")
NW 366.3(12")
RIM 374.72

SE 370.1(8")
SE 367.7(24")
NW 370.8(8")
NW 367.5(24")
RIM 376.02

RIM 379.15
E 375.8
SE 374.2
NW 374.0

RIM 376.03
NE 365.6
E 370.7
SW 365.6
NW 368.7

RIM 376.19
NE 371.5

SE 374.4
S 374.3
NW 374.4
RIM 379.9

RIM 379.39
N 373.1
S 373.1

RIM 374.03
E 371.9

RIM 374.57
NE 371.0(48")
NE 364.9(6")
SW 364.9
W 371.8
NW 368.9

RIM 374.71
NE 368.3
SE 367.1

RIM 374.39
E 365.5
SE 365.8
W 365.5
NW 365.7

RIM 375.38
SW 367.1
NW 366.8

RIM 373.68
NE 361.3
SW 361.2

RIM 374.78
NE 361.0
SW 360.9

WIND CO

NOTES:

1. SEE SHEET CG503 FOR DRAINAGE SCHEDULES.

LEGEND:

- EXISTING STORM INLET
- EXISTING CONTOURS
- PROPOSED CONTOURS
- PROPOSED ASPHALT PAVEMENT
- PROPOSED STORM INLET
- PROPOSED STORM PIPE
- PROPOSED GRASS FILTER STRIP
- PROPOSED POROUS ASPHALT PAVEMENT

NORTH

50 25 0 50 100
GRAPHIC SCALE BAR

1 2 3 4 5 6

KEYMAP

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SEAL: STATE OF NEW YORK · CEDRICK ANTHONY JOHNSON · No. 082609 · LICENSED PROFESSIONAL ENGINEER

BID DOCUMENTS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

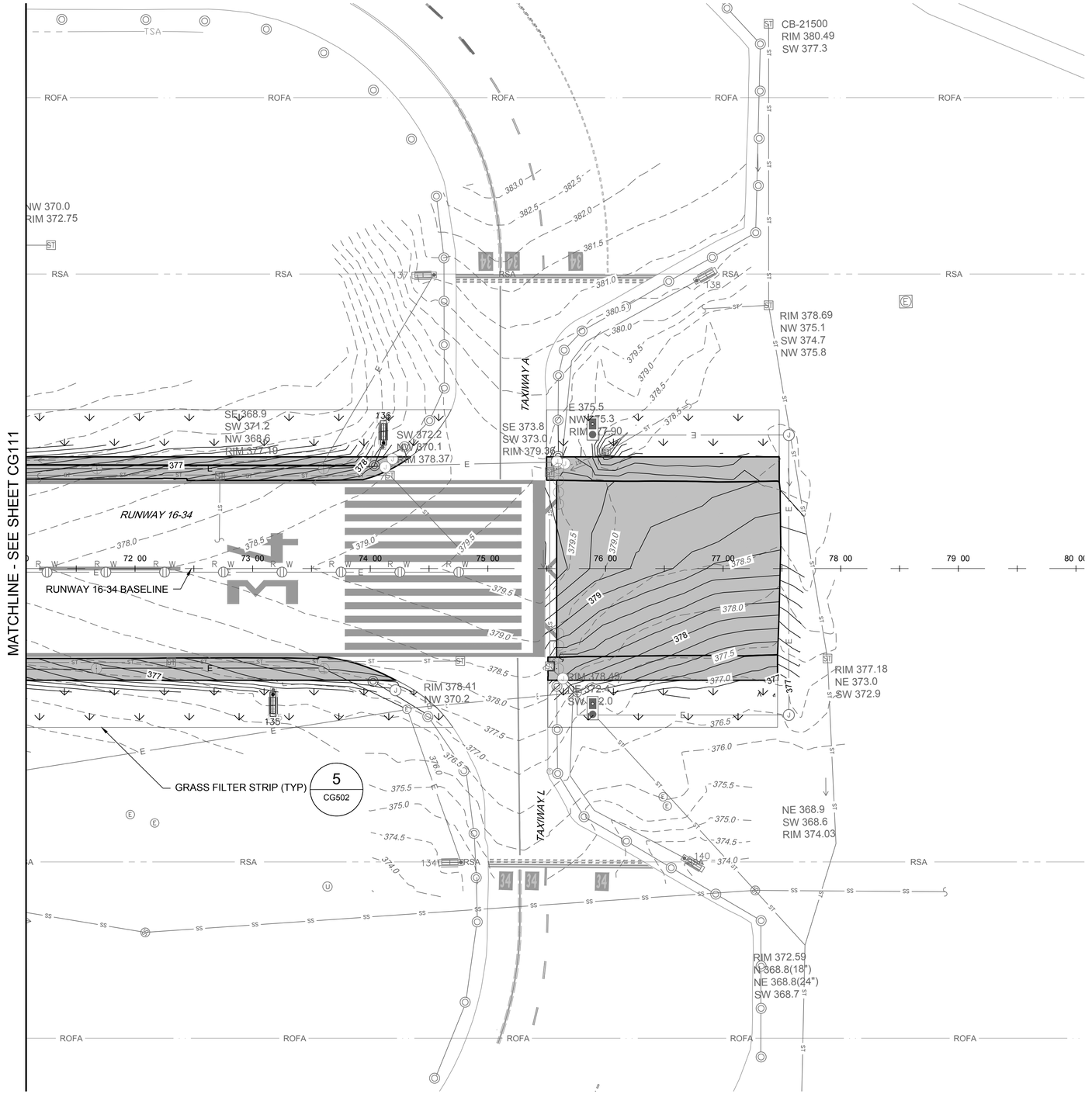
WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
STORMWATER POLLUTION PREVENTION PLANS 5

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CG111
DWG NO.:	49 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-C-547-0	0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CG107_6 STORMWATER POLLUTION PREVENTION PLANS.dwg LAYOUT NAME: CG111 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:10pm



NORTH

50 25 0 50 100

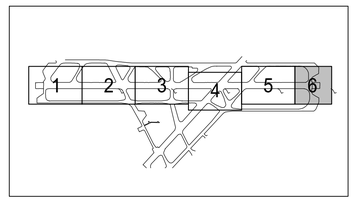
GRAPHIC SCALE BAR

NOTES:

1. SEE SHEET CG503 FOR DRAINAGE SCHEDULES.

LEGEND:

- ST — EXISTING STORM INLET
- 430.0 — EXISTING CONTOURS
- 435 — PROPOSED CONTOURS
- PROPOSED ASPHALT PAVEMENT
- PROPOSED STORM INLET
- PROPOSED STORM PIPE
- PROPOSED GRASS FILTER STRIP
- PROPOSED POROUS ASPHALT PAVEMENT



KEYMAP

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JKL
JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
307 SEVENTH AVENUE, ROOM 2302,
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PHONE: 410-465-9600

SEAL:

STATE OF NEW YORK · CEDRIC ANTHONY JOHNSON · No. 082909 · LICENSED PROFESSIONAL ENGINEER

BID DOCUMENTS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

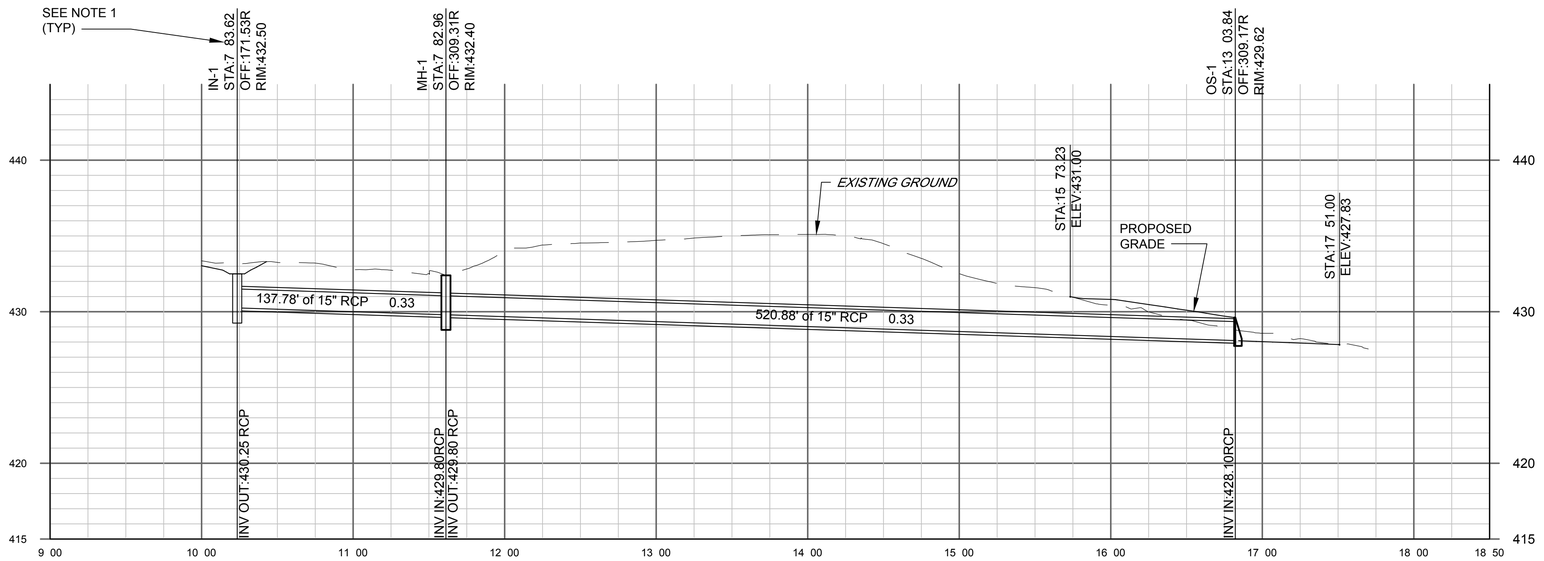
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
STORMWATER POLLUTION PREVENTION PLANS 6

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CG112
DWG NO.:	50 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-C-548-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CG107_6 STORMWATER POLLUTION PREVENTION PLANS.dwg LAYOUT NAME: CG112 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:11pm

NOTES:

1. STRUCTURE LOCATION STATIONING IS IN REFERENCE TO RUNWAY 16-34 BASELINE.



RUNWAY 16 END DRAINAGE WEST PROFILE

STA 9 00 TO STA 18 50

VERTICAL SCALE: 1" 5'

5 2.5 0 5 10

GRAPHIC SCALE BAR

HORI ONTAL SCALE: 1" 50'

50 25 0 50 100

GRAPHIC SCALE BAR

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SEAL:

STATE OF NEW YORK
CEDRIC ANTHONY HOUSTON
No. 082909
LICENSED PROFESSIONAL ENGINEER

BID DOCUMENTS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

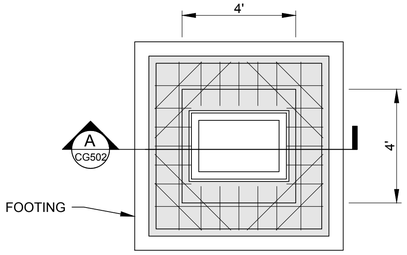
WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

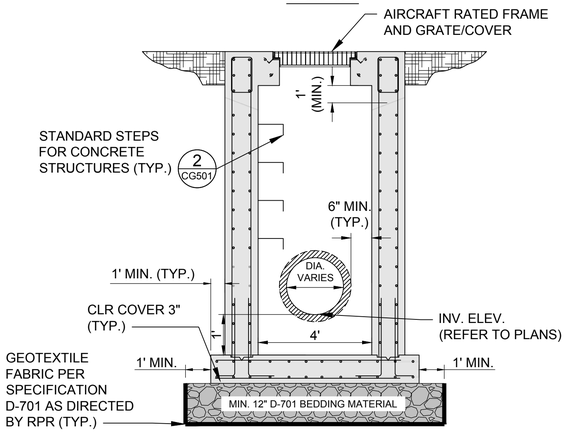
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
DRAINAGE PROFILES

CONTRACT NUMBER:	SHEET NUMBER:
25-503	**CG201**
DWG NO.:	51 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-C-549-0	0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CG201 DRAINAGE PROFILES.dwg LAYOUT NAME: CG201 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:31pm



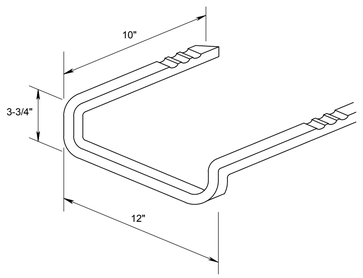
PLAN



SECTION A

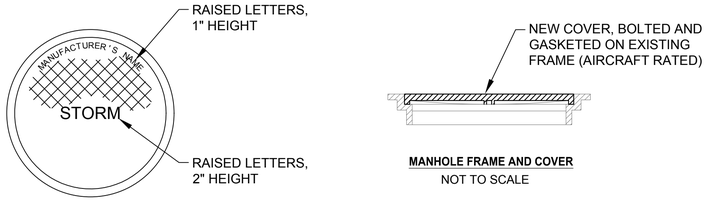
NOTES:
1. CONTRACTOR SHALL PROVIDE PRECAST SHOP DRAWING WITH SUPPORTING CALCULATIONS SHOWING THE STRUCTURES (ROUND OR S UARE) ARE LOADED TO 100,000 POUNDS IN ACCORDANCE WITH FAA AC 150/5320-5D

1 CG501 — AIRCRAFT RATED INLET OR MANHOLE
SCALE: NTS



NOTES:
1. PLACE STEPS 12" VERTICALLY CENTER TO CENTER, UNLESS OTHERWISE RE UIRED TO MATCH EXISTING STEP SPACING.
2. PLACE THE BOTTOM STEP A MAXIMUM OF 12" ABOVE THE INVERT OR AS INDICATED ON DRAWINGS.
3. STEPS SHALL BE SET IN VERTICAL ALIGNMENT, WITH 5" EMBEDMENT.
4. STEPS MAY BE CAST IN PLACE OR EPOXIED INTO HOLES PROVIDED OR DRILLED.
5. ALL STEPS SHALL WITHSTAND A MINIMUM LOAD OF 300 POUNDS WHEN APPLIED 5" FROM THE FACE OF THE WALL.
6. CAST IRON STEPS SHALL HAVE A POLYPROPYLENE COATING.

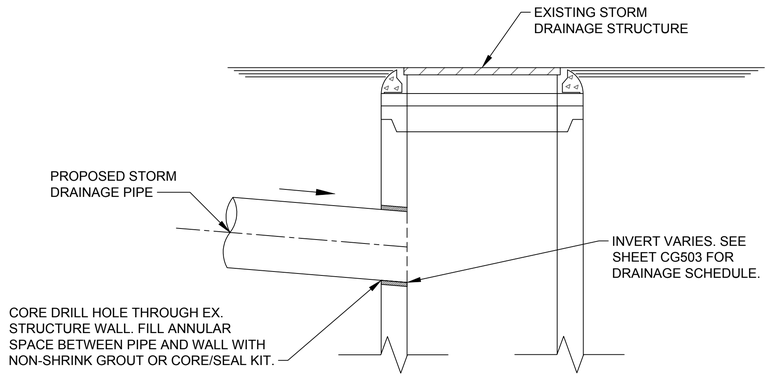
2 CG501 — STANDARD STEPS FOR CONCRETE STRUCTURES
SCALE: NTS



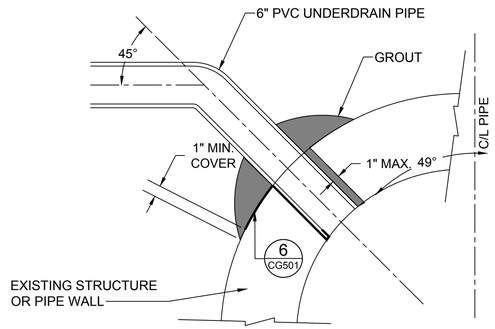
MANHOLE FRAME AND COVER
NOT TO SCALE

NOTES:
1. ALL NEW AIRPORT MANHOLE COVERS AND LIDS SHALL BE LABELED AS NOTED.
2. COVERS TO BE RATED FOR AIRCRAFT LOADING (100,000 LBS).
3. NEW SLAB TYPE DUCTILE IRON FRAME AND COVER, WITH GASKET SEAL AND BOLT FASTENED COVER. INSTALL SO THAT TOP OF COVER IS EVEN WITH GRADE IN PAVED AREAS.
4. PROVIDE TWO LIFT HOLES AT 180 DEGREES TO FACILITATE COVER REMOVAL.

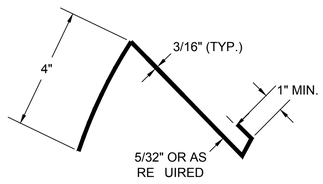
3 CG501 — MANHOLE COVER DETAIL
SCALE: NTS



4 CG501 — PIPE CONNECTION TO EXISTING STRUCTURE
SCALE: NTS



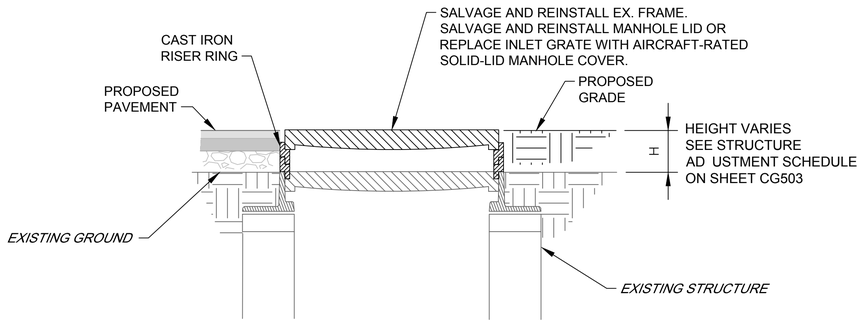
5 CG501 — PIPE CONNECTION TO EXISTING PIPE
SCALE: NTS



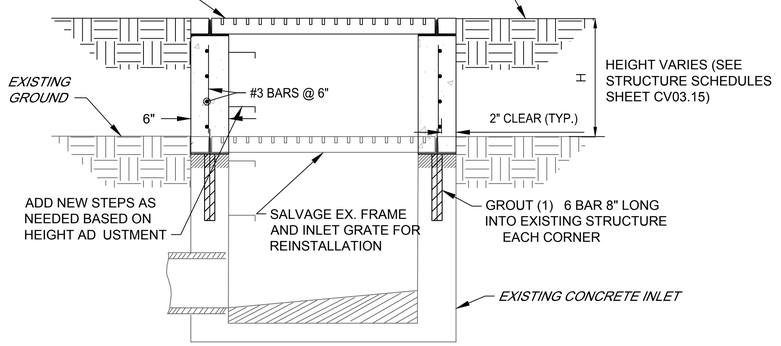
6 CG501 — PIPE HANGER DETAIL
SCALE: NTS

CAST IRON RISER RING

MAY BE STACKED FOR INCREASED HEIGHT
BASED ON MANUFACTURER RECOMMENDATION



7 CG501 — AD UST ROUND STRUCTURE DETAIL
SCALE: NTS



8 CG501 — AD UST BOX STRUCTURE DETAIL
SCALE: NTS

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SEAL: STATE OF NEW YORK · CEDRIC ANTHONY JOHNSON · No. 082607 · LICENSED PROFESSIONAL ENGINEER

BID DOCUMENTS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

WESTCHESTER COUNTY AIRPORT

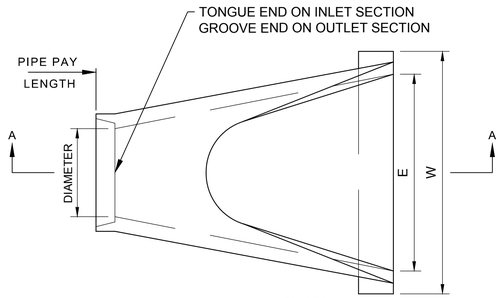
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

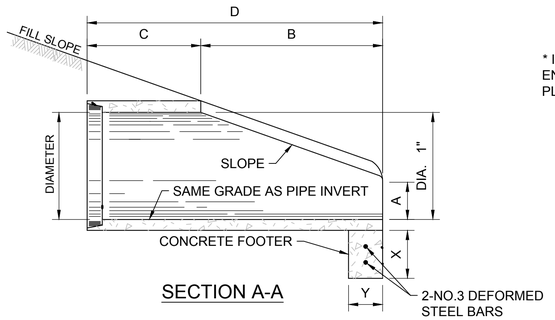
DRAINAGE DETAILS 1

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CG501
DWG NO.:	52 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-C-550-0	0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CG501 DRAINAGE DETAILS.dwg LAYOUT NAME: CG501 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:32pm



PLAN

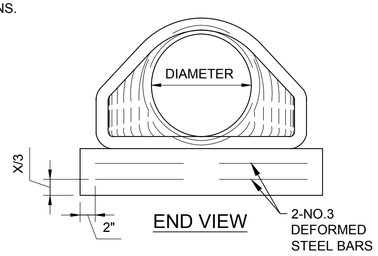


SECTION A-A

NOTES:

1. CONTRACTOR HAS OPTION OF FURNISHING END SECTIONS CONFORMING TO DETAILS ON THIS SHEET OR END SECTIONS CONFORMING TO DETAILS ON STANDARD NYSDOT 603-01.
2. END SECTIONS MUST BE REINFORCED TO CONFORM TO CLASS IV PIPE.
3. COST OF CONCRETE FOOTER TO BE INCLUDED IN PRICE OF END SECTION.

* INVERT ELEVATION TO BE AT THE PIPE END OF THE STANDARD END SECTION. ELEVATIONS TO BE NOTED ON THE CONSTRUCTION PLANS.

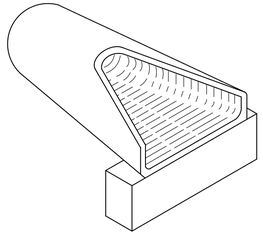


END VIEW

SEE NOTE 3 ABOVE FOR CONCRETE FOOTER

QUANTITIES FOR ESTIMATING PURPOSES ONLY

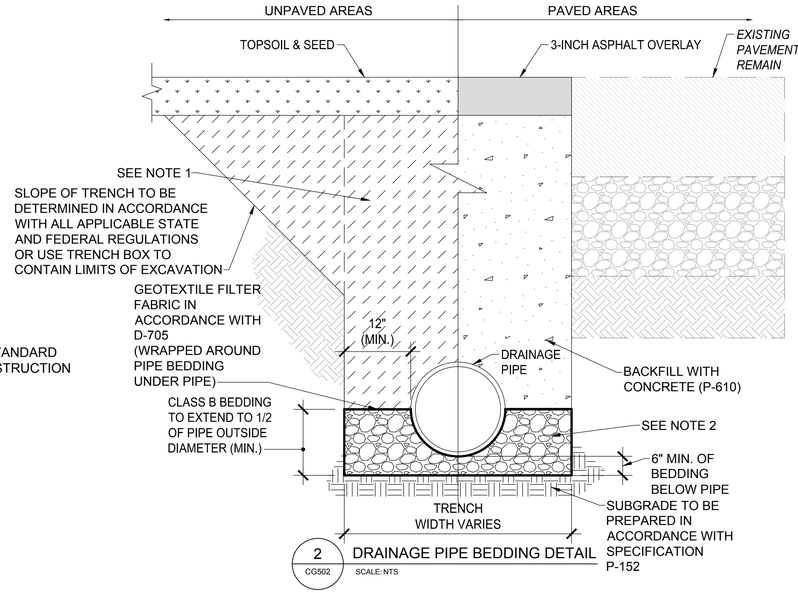
DIMENSIONS										QUANTITIES	
CONCRETE END SECTION							CONCRETE FOOTER				
DIA.	SLOPE	A	B	C	D	E	W	X	Y	CONC. C.Y.	STEEL LBS.
12"	3:1	4"	2'-0"	4'-0 7/8"	6'-0 7/8"	2'-0"	3'-0"	12"	9"	0.08	24.00
15"	3:1	6 1/2"	2'-4"	3'-10"	6'-2"	2'-6"	3'-6"	12"	9"	0.10	28.50
18"	3:1	10 1/4"	2'-2"	4'-0"	6'-2"	3'-0"	4'-0"	12"	9"	0.11	33.00
21"	3:1	9"	3'-0"	3'-1 1/2"	6'-1 1/2"	3'-6"	4'-6"	12"	9"	0.13	37.50
24"	3:1	11"	3'-7"	2'-8"	6'-3"	4'-0"	5'-0"	15"	9"	0.17	42.00
27"	3:1	10 1/2"	4'-1 1/2"	2'-0"	6'-1 1/2"	4'-6"	5'-6"	15"	9"	0.19	46.50
30"	3:1	1'-1"	4'-5"	1'-10"	6'-3"	5'-0"	6'-0"	15"	9"	0.21	51.00
33"	3:1	1'-2"	4'-7"	2'-2"	6'-9"	5'-6"	6'-6"	15"	9"	0.23	55.50
36"	3:1	1'-3 1/2"	5'-3"	3'-1"	8'-1 1/2"	6'-0"	7'-3"	15"	9"	0.25	62.25
42"	3:1	1'-9 1/4"	5'-5"	2'-10"	8'-3"	6'-6"	7'-9"	15"	9"	0.27	66.75
48"	3:1	2'-1"	6'-0"	2'-2"	8'-2"	7'-0"	8'-6"	18"	12"	0.47	73.50



ISOMETRIC VIEW

1 CG502 END SECTION DRAINAGE DETAIL FOR PIPES 48"

SCALE: NTS

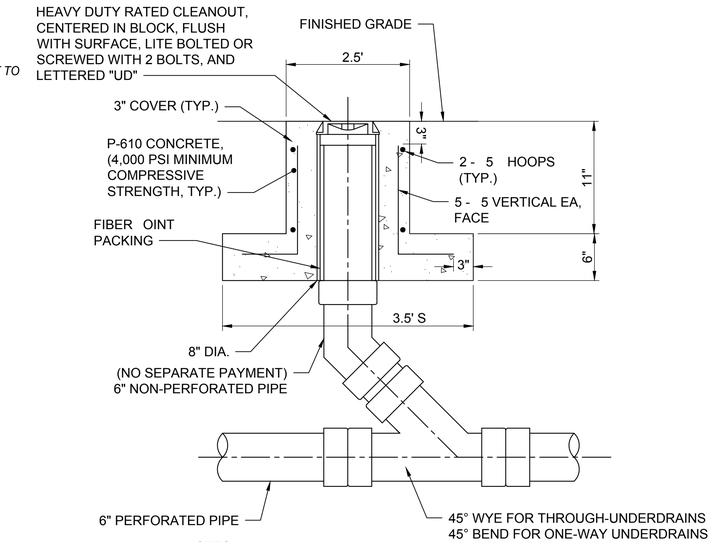


2 CG502 DRAINAGE PIPE BEDDING DETAIL

SCALE: NTS

NOTES:

1. COMPACTION OF THE OVERFILL SHALL BE IN ACCORDANCE WITH SPECIFICATION D-701.
2. BEDDING SHALL BE COMPACTED IN ACCORDANCE WITH SPECIFICATION D-701.

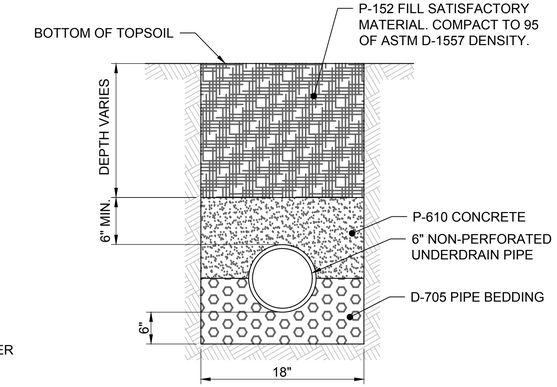


NOTES:

1. TOP OF CLEANOUT SHALL BE FLUSH WITH ASPHALT PAVEMENT AND/OR PROPOSED GROUND SURFACE.
2. ALL REINFORCING SHALL CONFORM TO ASTM A-615 GRADE 60.

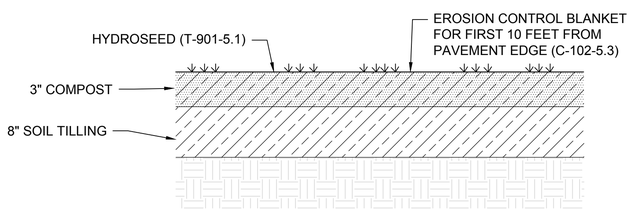
3 CG502 UNDERDRAIN CLEANOUT DETAIL IN ASPHALT AND UNPAVED AREAS

SCALE: NTS



4 CG502 NON-PERFORATED UNDERDRAIN PIPE IN UNPAVED AREAS

SCALE: NTS



5 CG502 GRASS FILTER STRIP DETAIL

SCALE: NTS

NOTES REGARDING SOIL AMENDMENTS WITHIN GRASS FILTER STRIP:

1. SOILS WITHIN FILTER STRIP AREAS SHALL BE AMENDED BY APPLYING 3 INCHES OF COMPOST OVER ENTIRE AREA OF FILTER PATH AND TILL TO A DEPTH OF 8 INCHES.
2. COMPOST SHALL BE DERIVED FROM PLANT MATERIAL AND MUST MEET THE GENERAL CRITERIA SET FORTHBY THE U.S. COMPOSTING SEAL OF TESTING ASSURANCE (STA) PROGRAM.
3. THE COMPOST SHALL BE THE RESULT OF A BIOLOGICAL DEGRADATION AND TRANSFORMATION OF PLANT-DERIVED MATERIALS UNDER CONDITIONS THAT PROMOTE ANAEROBIC DECOMPOSITION. THE MATERIAL SHALL BE WELL COMPOSTED, FREE OF VIABLE WEED SEEDS, AND STABLE WITH REGARD TO OXYGEN CONSUMPTION AND CARBON DIOXIDE GENERATION. THE COMPOST SHALL HAVE A MOISTURRE CONTENT THAT HAS NO VISIBLE WATER OR DUST PRODUCED WHEN HANDLING THE MATERIAL.
4. IT SHALL MEET THE FOLLOWING CRITERIA:
   - 100 OF THE MATERIAL SHALL PASS THROUGH A ½ INCH SCREEN
   - THE PH OF THE MATERIAL SHALL BE BETWEEN 5.5 AND 8.5
   - MANUFACTURED INERT MATERIAL (PLASTIC, CONCRETE, METAL, ETC.) SHALL BE LESS THAN 1.0 BY WEIGHT.
   - THE ORGANIC MATTER CONTENT SHALL BE 35 .
   - SOLUBLE SALT CONTENT SHALL BE LESS THAN 6.0 MMHOS/CM.
   - SHALL BE MATURE AND STABLE PER THE APPROPRIATE TEST(S) AS SPECIFIED BY STA.
   - CARBON/NITROGEN RATIO SHALL BE LESS THAN 25:1.
   - MUST MEET USEPA PART 503 LEVELS FOR HEAVY METALS.
   - THE COMPOST SHOULD HAVE AN OPTIMUM DRY BULK DENSITY RANGING FROM 40 TO 50 LBS/CF. HOWEVER, CERTAIN FULLY MATURE COARSE TEXTURED COMPOSTS MAY BE LOWER AND
   - COMPOST SHALL NOT INCLUDE MANURE.

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SEAL: STATE OF NEW YORK CEDRIC ANTHONY JOHNSON No. 082909 LICENSED PROFESSIONAL ENGINEER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
A				

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WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
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RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

DRAINAGE DETAILS 2

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CG502
DWG NO.:	53 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-C-551-0	0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CG501 DRAINAGE DETAILS.dwg LAYOUT NAME: CG502 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:32pm

STRUCTURE AD USTMENT SCHEDULE

SHEET	STRUCTURE ID	STRUCTURE TYPE	ACTION CODE	PAY ITEM(S)	EXISTING RIM ELEVATION	PROPOSED RIM ELEVATION	AD USTMENT HEIGHT (IN)	EXST. GRATE DIA. (IN)	EXST. GRATE THICKNESS (IN)	INSIDE CLEAR OF FRAME OPENING (IN)
CG101	CB-22527		1 2	D-751-5.4 D-751-5.6	431.89	432.31	5			
CG101	CB-22528		1	D-751-5.4	431.55	431.72	2			
CG101	CB-22529	ROUND INLET	2	D-751-5.6	433.17	433.17	N/A	24	3-1/2	21
CG101	CB-22654	ROUND INLET	2	D-751-5.6	431.38	431.38	N/A	24	3-1/2	21
CG101	CB-22655	ROUND INLET	2	D-751-5.6	428.50	428.50	N/A	24	3-1/2	21
CG102	CB-22475	ROUND INLET	1 2	D-751-5.4 D-751-5.6	422.82	422.99	2	24	1-1/4	21
CG102	CB-22476		1	D-751-5.4	421.30	422.05	9			
CG102	CB-22485	RECT. INLET	1	D-751-5.5	418.90	419.73	10			
CG102	CB-22486	ROUND INLET	2	D-751-5.6	420.19	420.19	N/A	24	1-1/4	21
CG102	CB-22487		1 2	D-751-5.4 D-751-5.6	417.24	417.66	5			
CG102	CB-22498		1 2	D-751-5.4 D-751-5.6	415.89	416.31	5			
CG102	CB-22334		1 2	D-751-5.4 D-751-5.6	412.73	413.23	6			
CG102	CB-22657	ROUND INLET	1 2	D-751-5.4 D-751-5.6	422.60	422.93	4	24	1-1/4	21
CG102	CB-22658	ROUND INLET	1 2	D-751-5.4 D-751-5.6	419.51	419.93	5	24	1-1/4	21
CG102	DMH-22660	MANHOLE	1	D-751-5.4	416.49	416.66	2	36	3-1/2	
CG102	CB-22720	ROUND INLET	2	D-751-5.6	414.00	414.00	N/A	24	3-1/2	21
CG102	CB-22742	ROUND INLET	2	D-751-5.6	412.64	412.64	N/A	24	3-1/2	21
CG103	DMH-22342	MANHOLE	1	D-751-5.4	412.00	412.17	2			
CG103	CB-22343		1	D-751-5.4	410.37	411.12	9			
CG103	CB-22344		1 2	D-751-5.4 D-751-5.6	410.67	411.00	4			
CG103	CB-22097		1 2	D-751-5.4 D-751-5.6	403.44	403.69	3			
CG103	CB-22744		1	D-751-5.4	410.29	410.79	6			
CG103	CB-22234	ROUND INLET	2	D-751-5.6	411.47	411.47	N/A	24	1-1/4	21
CG103	CB-22233	ROUND INLET	2	D-751-5.6	409.88	409.88	N/A	24	1-1/4	21
CG103	CB-22768		1 2	D-751-5.4 D-751-5.6	407.89	408.22	4			
CG103	CB-22115		1 2	D-751-5.4 D-751-5.6	402.14	402.31	2			
CG104	CB-22042		1 2	D-751-5.4 D-751-5.6	396.11	396.44	4			
CG104	CB-22116	ROUND INLET	2	D-751-5.6	399.40	399.40	N/A	24	1-1/4	21
CG104	CB-22131		1	D-751-5.4	391.09	391.84	9			
CG105	DMH-22765	MANHOLE	1	D-751-5.4	379.40	379.98	7			
CG105	CB-21723		1	D-751-5.4	379.05	379.30	3			
CG105	CB-22749		2	D-751-5.6	376.08	376.08	N/A			
CG105	CB-21676		2	D-751-5.6	374.92	374.92	N/A			
CG105	CB-21675		1 2	D-751-5.4 D-751-5.6	374.77	375.02	3			
CG105	CB-22752	ROUND INLET	1 2	D-751-5.4 D-751-5.6	375.74	375.91	2	24	3-1/2	21
CG105	CB-21734		1	D-751-5.4	373.97	374.89	11			
CG105	CB-22751	ROUND INLET	2	D-751-5.6	374.93	374.93	N/A	24	3-1/2	21
CG105	CB-21750	ROUND INLET	1 2	D-751-5.4 D-751-5.6	374.67	374.92	3	24	3-1/2	21
CG105	CB-21757	ROUND INLET	2	D-751-5.6	375.72	375.72	N/A	24	3-1/2	21
CG106	CB-22747	ROUND INLET	2	D-751-5.6	377.46	377.46	N/A	24	3-1/2	21
CG106	CB-21758		1 2	D-751-5.4 D-751-5.6	376.93	377.26	4			

ACTION CODES:
1. AD UST STRUCTURE TO GRADE.
2. CONVERT INLET TO MANHOLE.

NOTES:
1. CONTRACTOR MUST FIELD VERIFY STRUCTURES TO CONFIRM SI ING OF RISER RINGS AND COVERS/GRATES TO BE FURNISHED.

PROPOSED STRUCTURE SCHEDULE

ID	DESCRIPTION	STA.	OFFSET	RIM ELEV.	PIPES IN	PIPES OUT
IN-1	AIRCRAFT RATED INLET	7 83.62	171.53' R	432.50		15" RCP INV OUT 430.25
MH-1	AIRCRAFT RATED MANHOLE	7 82.96	309.31' R	432.40	15" RCP INV IN 429.80	15" RCP INV OUT 429.80
OS-1	15" FLARED END SECTION	13 03.84	309.17' R	429.62	15" RCP INV IN 428.10	

PROPOSED PIPE SCHEDULE

ID	MATERIAL	SI E	LENGTH	SLOPE
P1	RCP	15"	137.78'	0.33
P2	RCP	15"	520.88'	0.33

UNDERDRAIN CLEANOUT SCHEDULE

ID	STA.	OFFSET	RIM ELEV.	INVERT ELEV.
CO-1	54 10.33	93.00' R	387.65	385.60
CO-2	55 35.25	93.00' R	385.59	378.50
CO-3	57 56.91	93.00' R	382.00	380.00
CO-4	55 22.56	93.00' L	386.00	383.50
CO-5	58 77.59	93.00' L	380.09	375.50
CO-6	59 79.56	93.00' L	378.40	376.00

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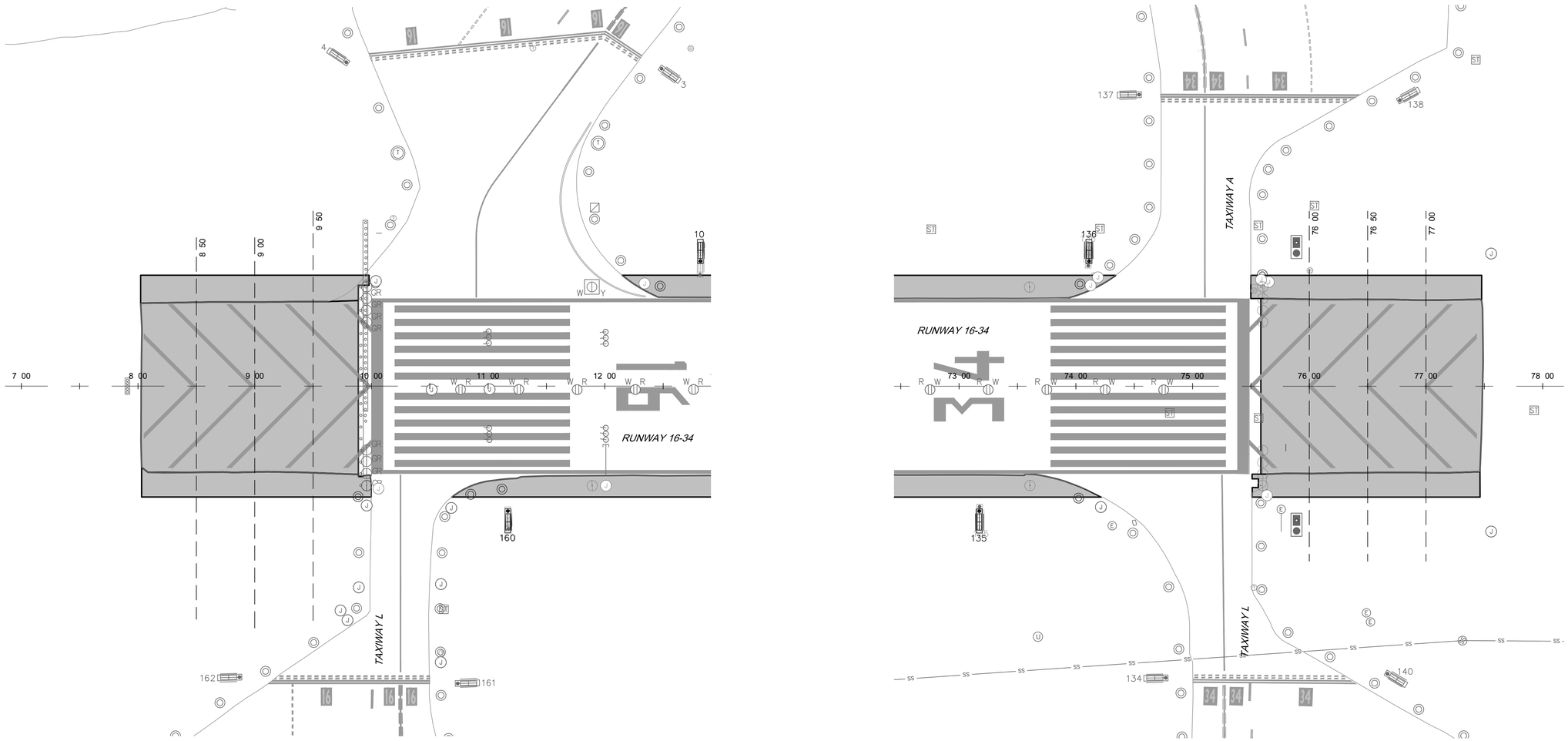
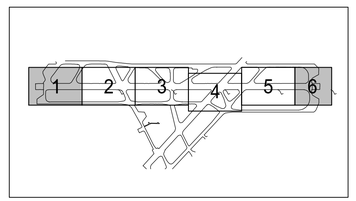
DRAINAGE SCHEDULES

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CG503
DWG NO.:	54 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-C-552-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CG502 DRAINAGE SCHEDULE.dwg LAYOUT NAME: CG502 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:32pm





KEYMAP

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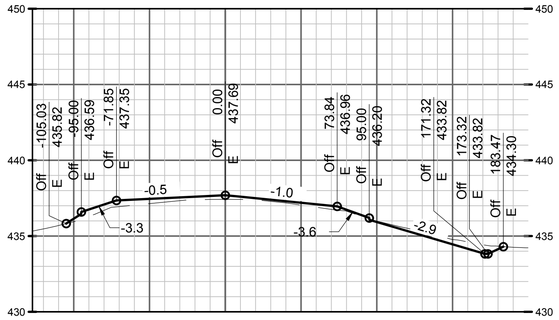
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

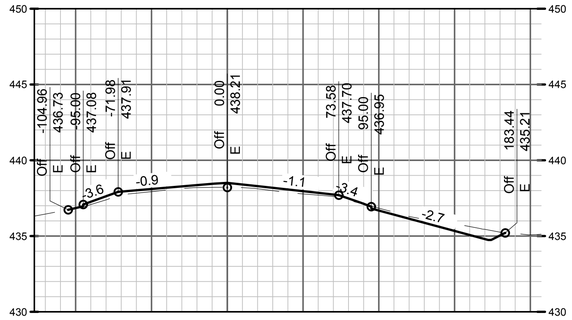
CROSS SECTION LAYOUT PLAN

CONTRACT NUMBER: 25-503	SHEET NUMBER: CG700
DWG NO.: 55 of 99	
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-C-553-0	REV. NO. 0

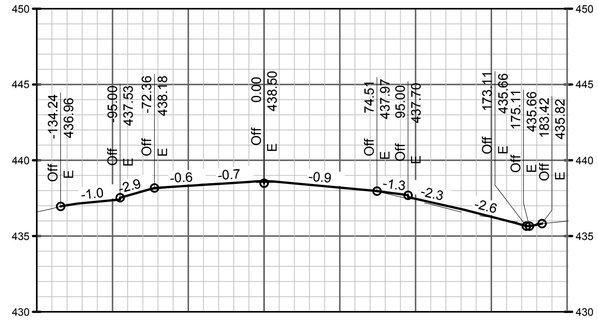
FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CG700_2 BLAST PAD CROSS SECTIONS.dwg LAYOUT NAME: CG700 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 4:42pm



STA 8 50.00

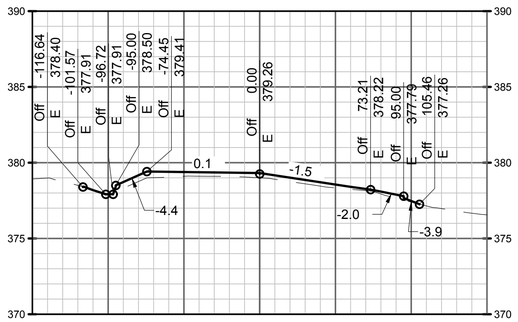


STA 9 00.00

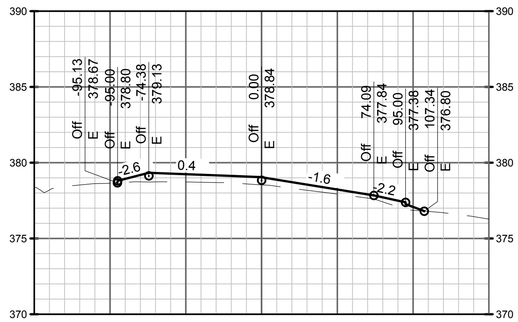


STA 9 50.00

16 END BLAST BAD CROSS SECTIONS



STA 76 00.00



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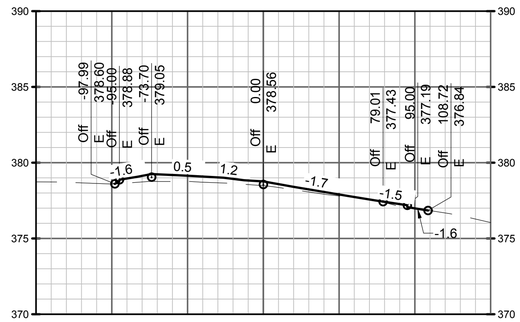


STA 77 00.00

34 END BLAST BAD CROSS SECTIONS

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER ANY ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

JKL
JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
307 SEVENTH AVENUE, ROOM 2302,
NEW YORK, NY 10001
PHONE: 410-465-9600

SEAL: STATE OF NEW YORK · CEDRICK ANTHONY JOHNSON · No. 082609 · LICENSED PROFESSIONAL ENGINEER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

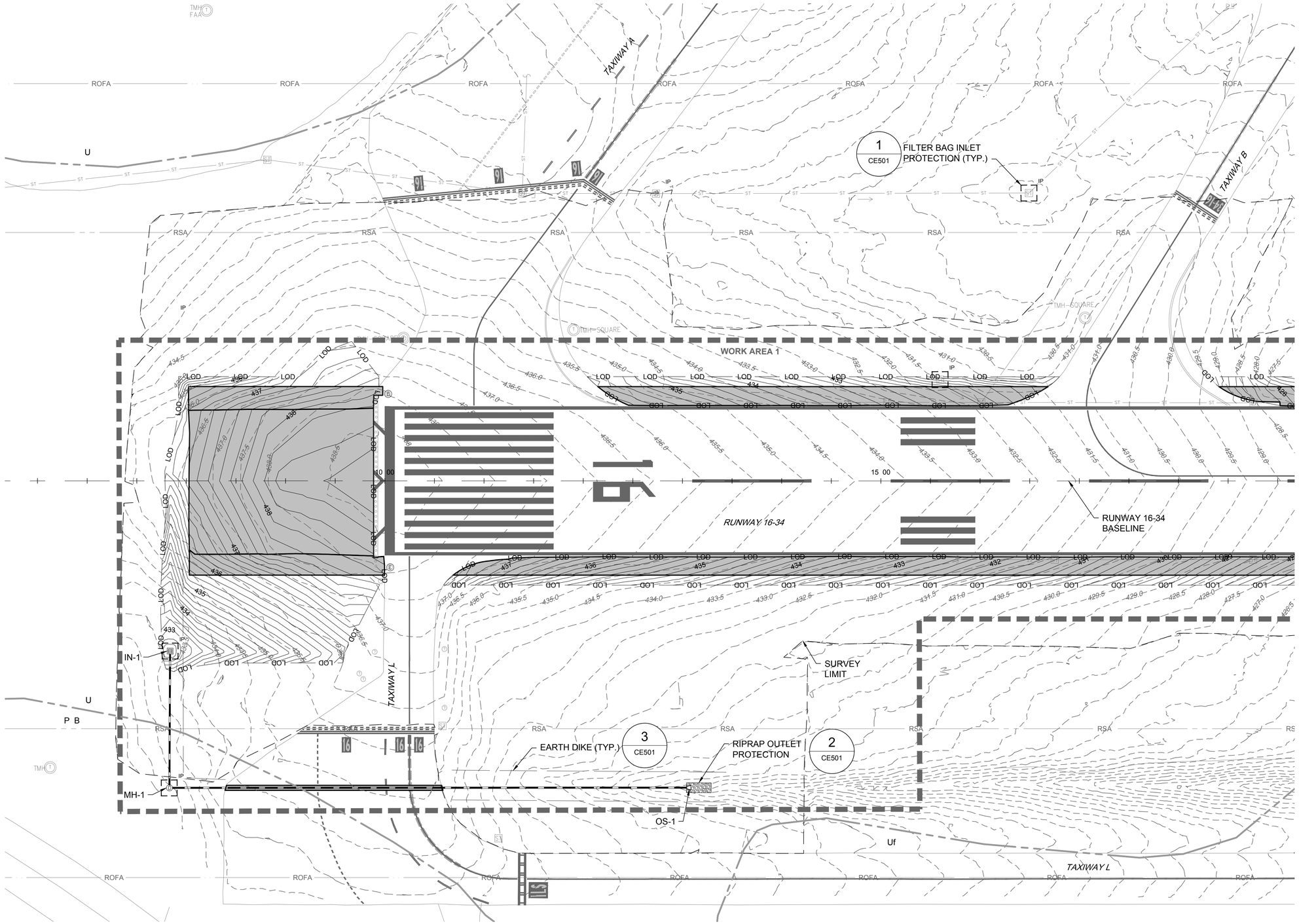
BID DOCUMENTS

WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
BLAST PAD CROSS SECTIONS

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CG701
DWG NO.: 56 of 99	
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-C-554-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CG700_2 BLAST PAD CROSS SECTIONS.dwg LAYOUT NAME: CG701 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:33pm



NORTH

200 100 0 200 400

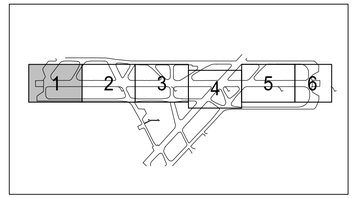
GRAPHIC SCALE BAR

NOTES:

1. CONTRACTOR SHALL APPLY EROSION CONTROL BLANKETS IN ALL AREAS RECEIVING HYDROSEED FOR THE FIRST 10 FEET FROM THE PAVEMENT EDGE TO PREVENT EROSION AND SEED WASHOUT.

LEGEND:

- 430.0 — EXISTING CONTOURS
- 435 — PROPOSED CONTOURS
- PROPOSED PAVEMENT
- PROPOSED STORM INLET
- PROPOSED STORM PIPE
- IP / S1 — FILTER BAG INLET PROTECTION
- LOD — LIMIT OF DISTURBANCE



KEYMAP

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER ANY ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

JKL
JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
307 SEVENTH AVENUE, ROOM 2302,
NEW YORK, NY 10001
PHONE: 410-465-9600

SEAL: STATE OF NEW YORK — CEDRIC ANTHONY PRATT — No. 082609 — LICENSED PROFESSIONAL ENGINEER

BID DOCUMENTS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

WESTCHESTER COUNTY AIRPORT

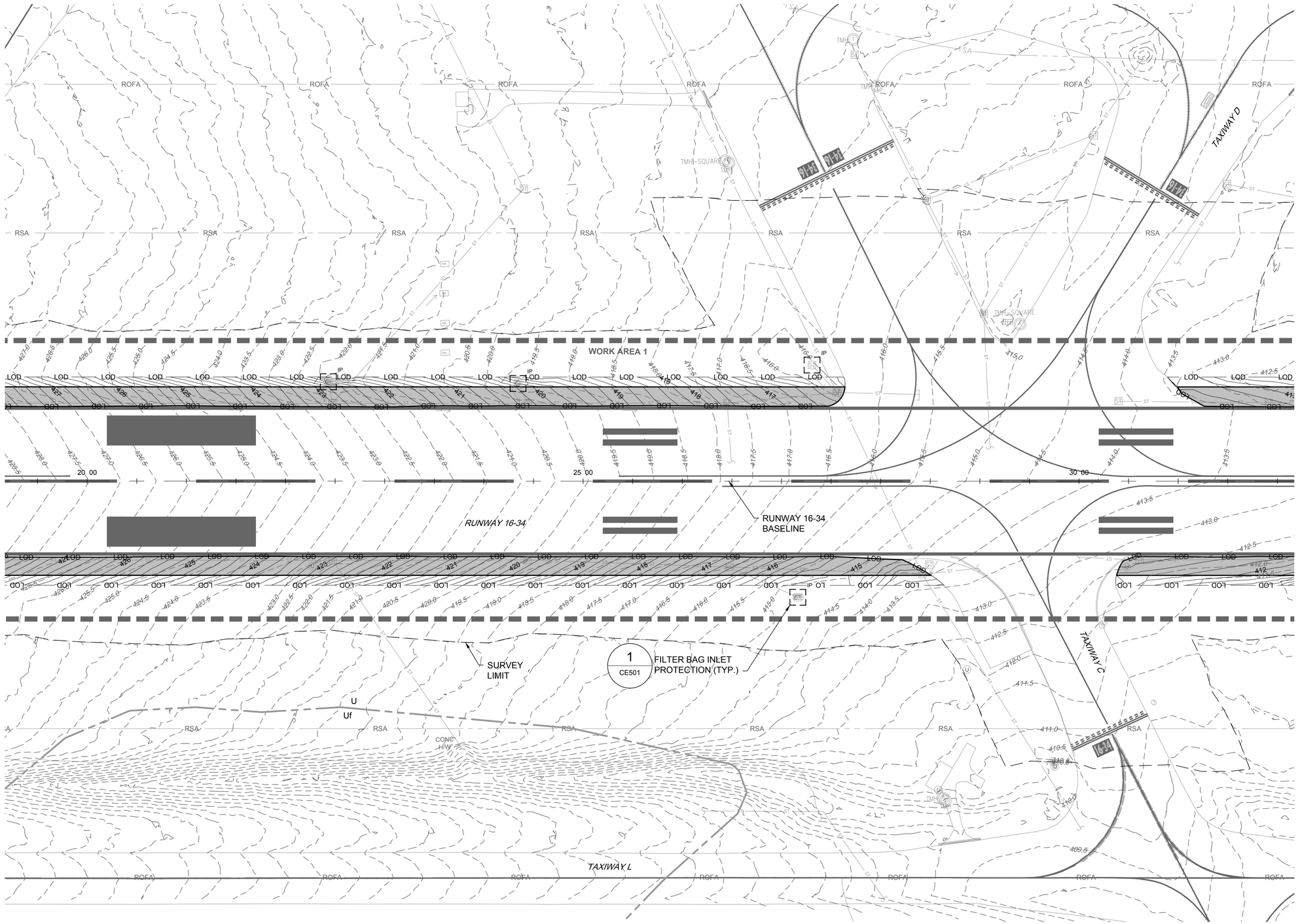
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

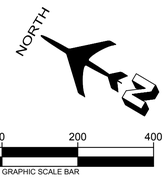
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

EROSION AND SEDIMENT CONTROL PLAN 1

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CE101
DWG NO.:	57 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-C-555-0	0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CE101_6 EROSION AND SEDIMENT CONTROL PLANS.dwg LAYOUT NAME: CE101 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:34pm



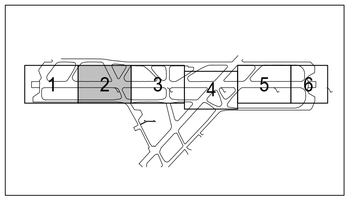


NOTES:

1. CONTRACTOR SHALL APPLY EROSION CONTROL BLANKETS IN ALL AREAS RECEIVING HYDROSEED FOR THE FIRST 10 FEET FROM THE PAVEMENT EDGE TO PREVENT EROSION AND SEED WASHOUT.

LEGEND:

- 430.0 — EXISTING CONTOURS
- 435 — PROPOSED CONTOURS
- PROPOSED PAVEMENT
- PROPOSED STORM INLET
- PROPOSED STORM PIPE
- IP — FILTER BAG INLET PROTECTION
- LOD — LIMIT OF DISTURBANCE



KEYMAP

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JKL
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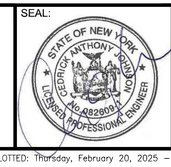
307 SEVENTH AVENUE, ROOM 2302,
NEW YORK, NY 10001
PHONE: 410-465-9600

SEAL:



REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

BID DOCUMENTS

WESTCHESTER COUNTY AIRPORT

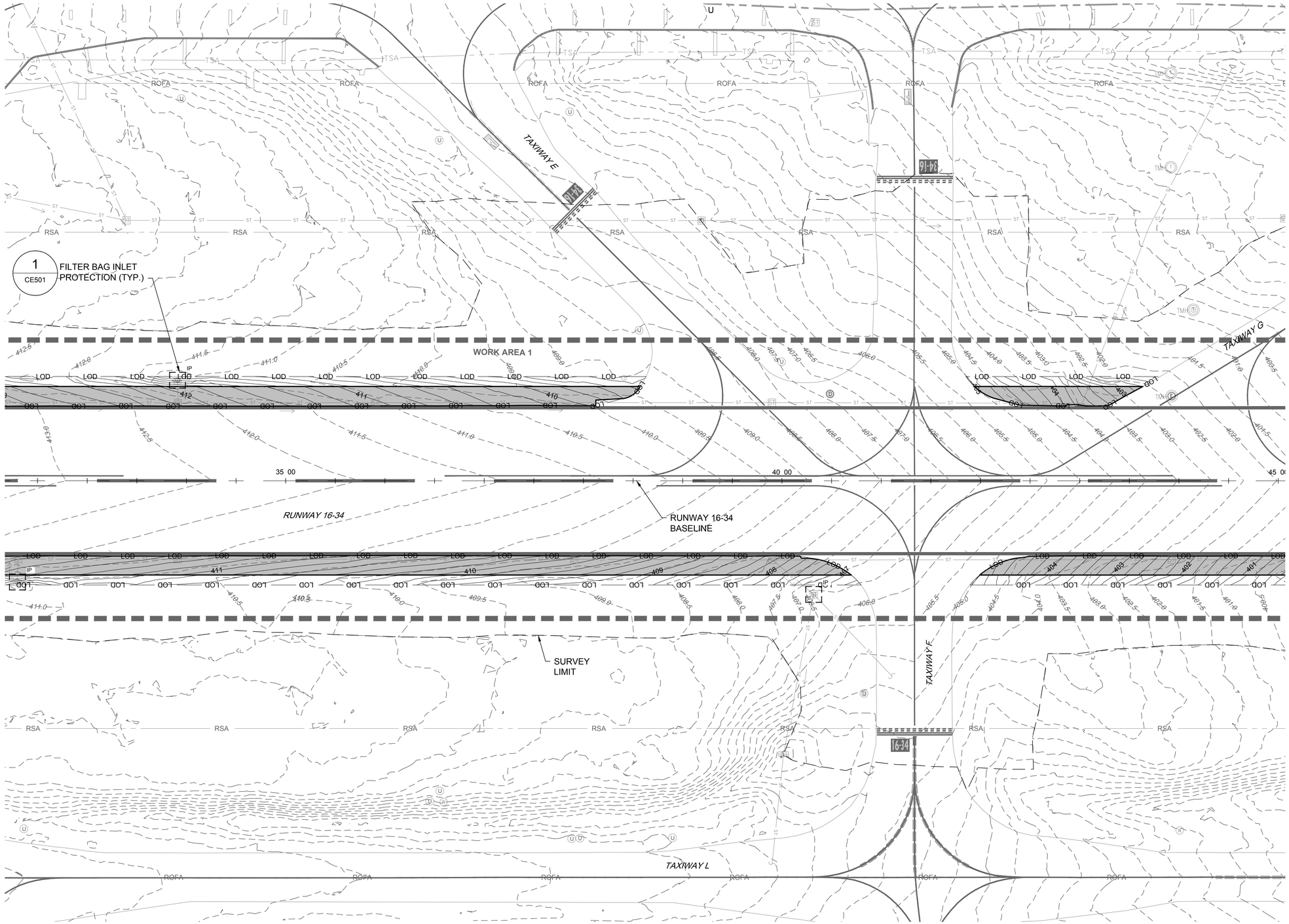
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

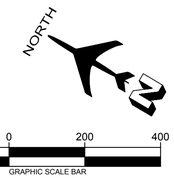
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

EROSION AND SEDIMENT CONTROL PLAN 2

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CE102
DWG NO.:	58 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-C-556-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CE101_6 EROSION AND SEDIMENT CONTROL PLANS.dwg LAYOUT NAME: CE102 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:34pm



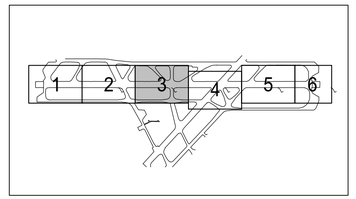


NOTES:

1. CONTRACTOR SHALL APPLY EROSION CONTROL BLANKETS IN ALL AREAS RECEIVING HYDROSEED FOR THE FIRST 10 FEET FROM THE PAVEMENT EDGE TO PREVENT EROSION AND SEED WASHOUT.

LEGEND:

- 430.0 — EXISTING CONTOURS
- 435 — PROPOSED CONTOURS
- PROPOSED PAVEMENT
- PROPOSED STORM INLET
- PROPOSED STORM PIPE
- IP / S1 — FILTER BAG INLET PROTECTION
- LOD — LIMIT OF DISTURBANCE



KEYMAP

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER ANY ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

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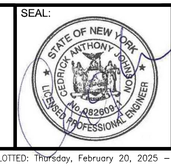
307 SEVENTH AVENUE, ROOM 2302,
NEW YORK, NY 10001
PHONE: 410-465-9600

SEAL:



REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

BID DOCUMENTS

WESTCHESTER COUNTY AIRPORT

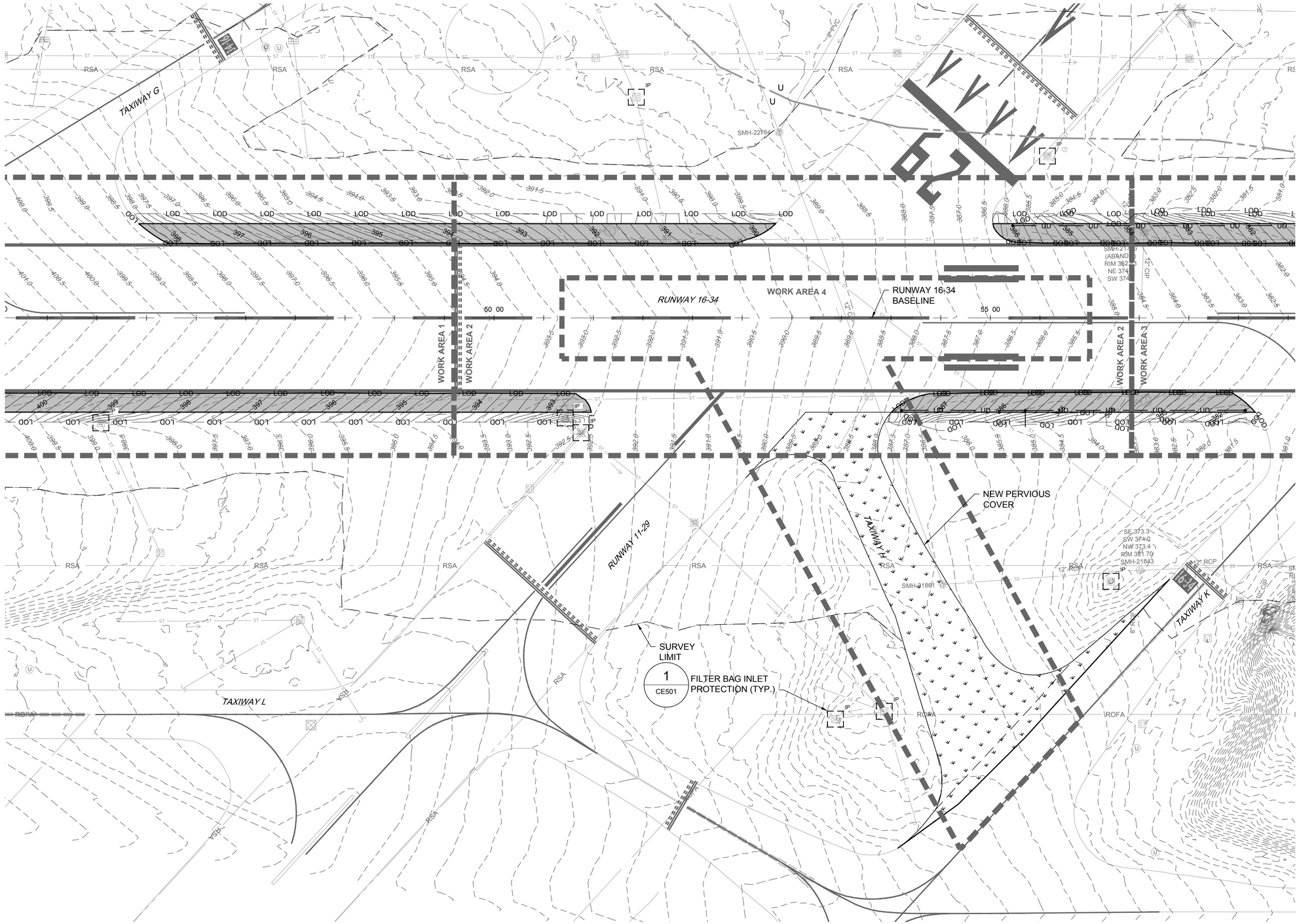
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

EROSION AND SEDIMENT CONTROL PLAN 3

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CE103
DWG NO.:	59 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-C-557-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CE101_6 EROSION AND SEDIMENT CONTROL PLANS.dwg LAYOUT NAME: CE103 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:35pm



NORTH

200 100 0 200 400

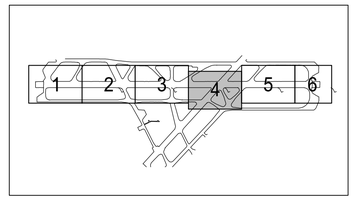
GRAPHIC SCALE BAR

NOTES:

1. CONTRACTOR SHALL APPLY EROSION CONTROL BLANKETS IN ALL AREAS RECEIVING HYDROSEED FOR THE FIRST 10 FEET FROM THE PAVEMENT EDGE TO PREVENT EROSION AND SEED WASHOUT.

LEGEND:

- 430.0 — EXISTING CONTOURS
- 435 — PROPOSED CONTOURS
- PROPOSED PAVEMENT
- PROPOSED STORM INLET
- PROPOSED STORM PIPE
- IP / S1 — FILTER BAG INLET PROTECTION
- LOD — LIMIT OF DISTURBANCE



KEYMAP

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JKL
JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
307 SEVENTH AVENUE, ROOM 2302,
NEW YORK, NY 10001
PHONE: 410-465-9600

SEAL:

STATE OF NEW YORK · JOHNSON · CEDRICK ANTHONY · 082608 · LICENSED PROFESSIONAL ENGINEER

BID DOCUMENTS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

WESTCHESTER COUNTY AIRPORT

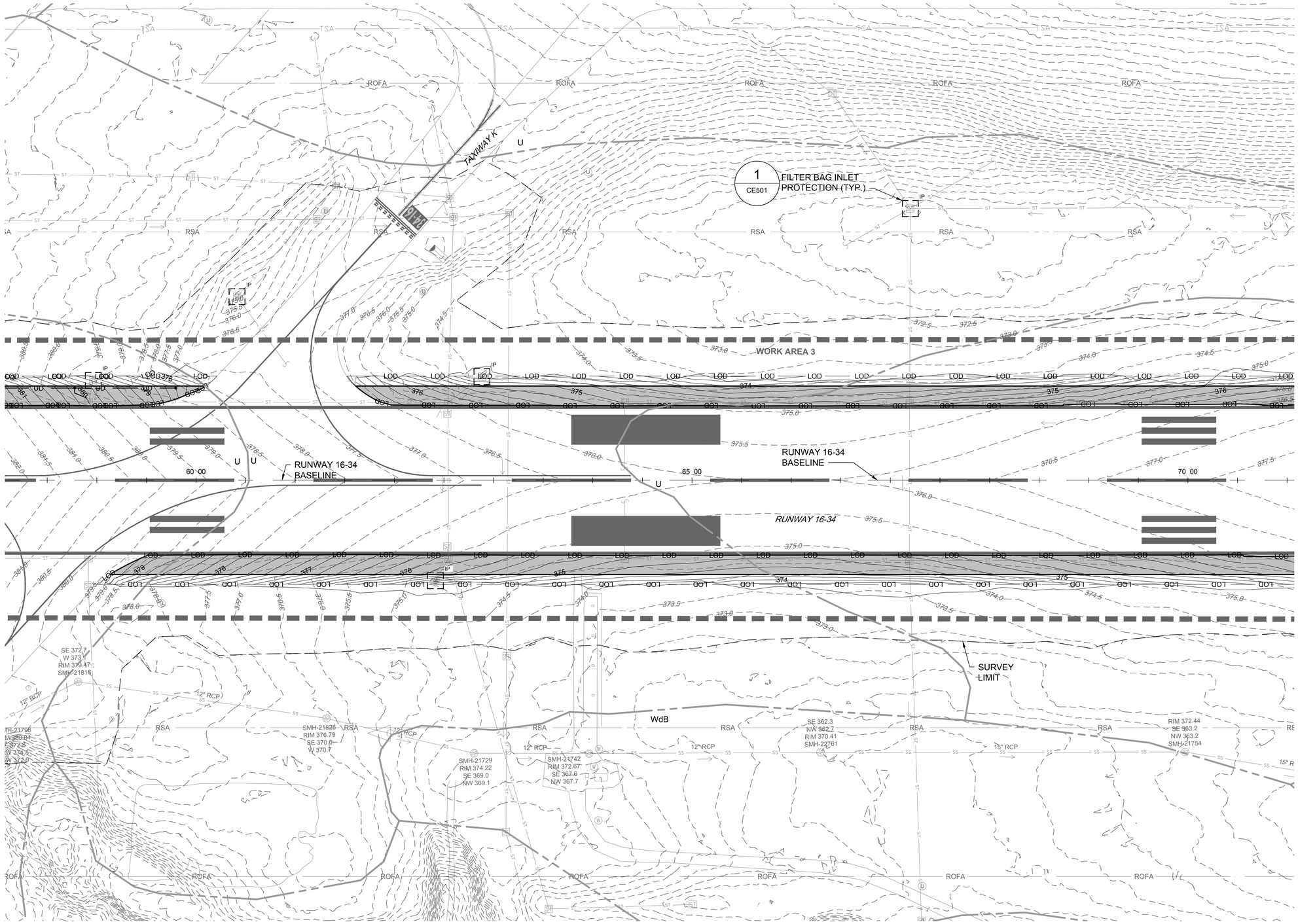
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

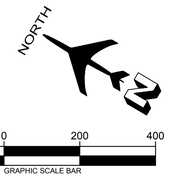
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

EROSION AND SEDIMENT CONTROL PLANS 4

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CE104
DWG NO.:	60 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-C-558-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CE101_6 EROSION AND SEDIMENT CONTROL PLANS.dwg LAYOUT NAME: CE104 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:35pm



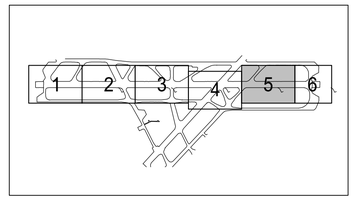


NOTES:

1. CONTRACTOR SHALL APPLY EROSION CONTROL BLANKETS IN ALL AREAS RECEIVING HYDROSEED FOR THE FIRST 10 FEET FROM THE PAVEMENT EDGE TO PREVENT EROSION AND SEED WASHOUT.

LEGEND:

- 430.0 — EXISTING CONTOURS
- 435 — PROPOSED CONTOURS
- PROPOSED PAVEMENT
- PROPOSED STORM INLET
- PROPOSED STORM PIPE
- IP S1 — FILTER BAG INLET PROTECTION
- LOD — LIMIT OF DISTURBANCE



KEYMAP

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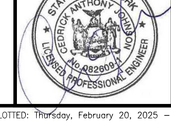
JKL
JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
307 SEVENTH AVENUE, ROOM 2302,
NEW YORK, NY 10001
PHONE: 410-465-9600

SEAL:



REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

BID DOCUMENTS

WESTCHESTER COUNTY AIRPORT

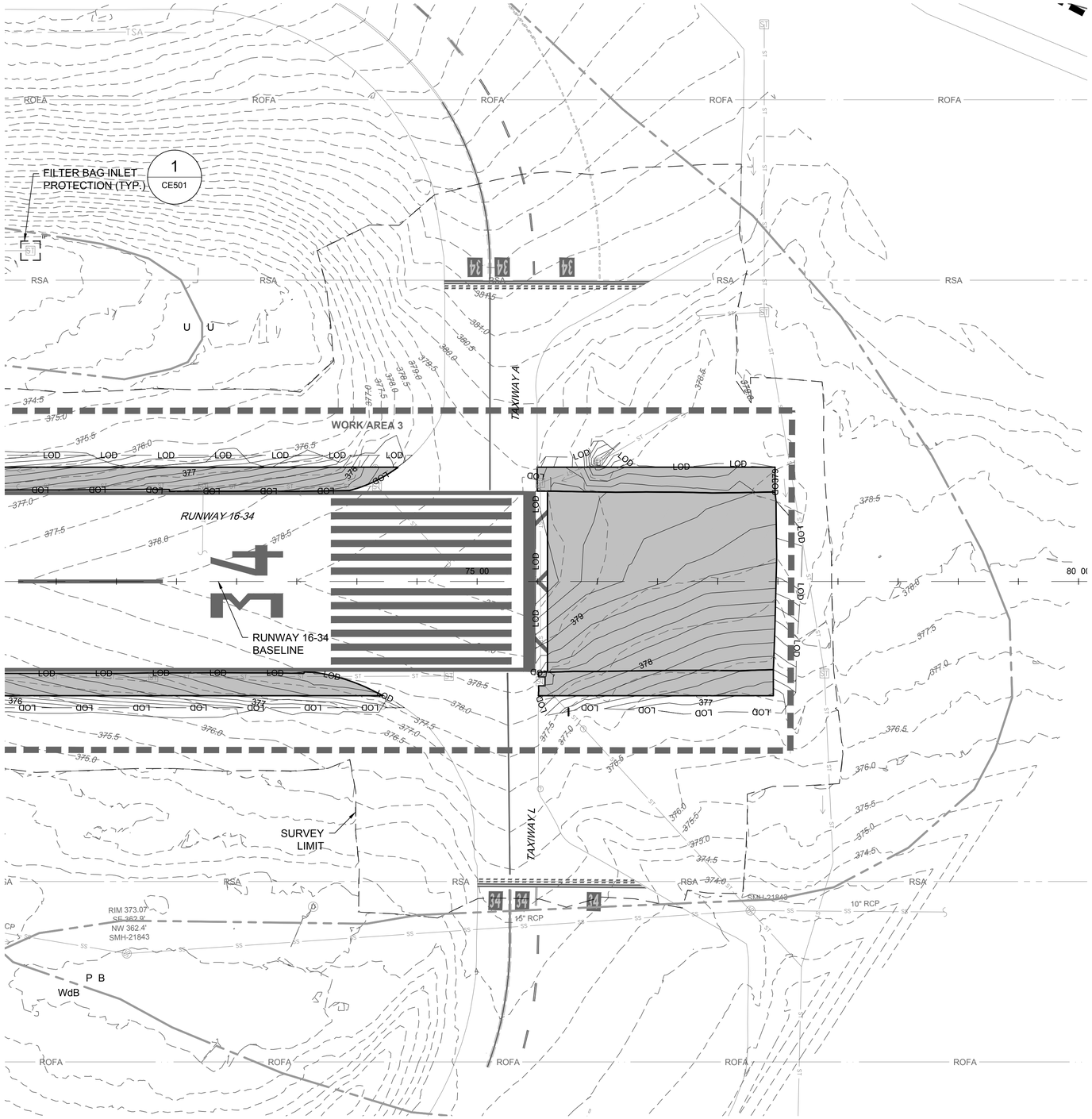
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

EROSION AND SEDIMENT CONTROL PLANS 5

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CE105
DWG NO.:	61 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-C-559-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CE101_6 EROSION AND SEDIMENT CONTROL PLANS.dwg LAYOUT NAME: CE105 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:35pm



NORTH

200 100 0 200 400

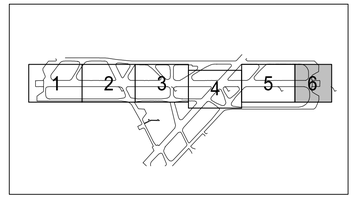
GRAPHIC SCALE BAR

NOTES:

1. CONTRACTOR SHALL APPLY EROSION CONTROL BLANKETS IN ALL AREAS RECEIVING HYDROSEED FOR THE FIRST 10 FEET FROM THE PAVEMENT EDGE TO PREVENT EROSION AND SEED WASHOUT.

LEGEND:

- 430.0 — EXISTING CONTOURS
- 435 — PROPOSED CONTOURS
- PROPOSED PAVEMENT
- PROPOSED STORM INLET
- PROPOSED STORM PIPE
- IP — FILTER BAG INLET PROTECTION
- LOD — LIMIT OF DISTURBANCE



KEYMAP

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JKL
JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
307 SEVENTH AVENUE, ROOM 2302,
NEW YORK, NY 10001
PHONE: 410-465-9600

SEAL:

STATE OF NEW YORK — GEORGE ANTHONY KUKATA — No. 082909 — LICENSED PROFESSIONAL ENGINEER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

BID DOCUMENTS

WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

EROSION AND SEDIMENT CONTROL PLANS 6

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CE106
DWG NO.:	62 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-C-560-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CE101_6 EROSION AND SEDIMENT CONTROL PLANS.dwg LAYOUT NAME: CE106 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:35pm

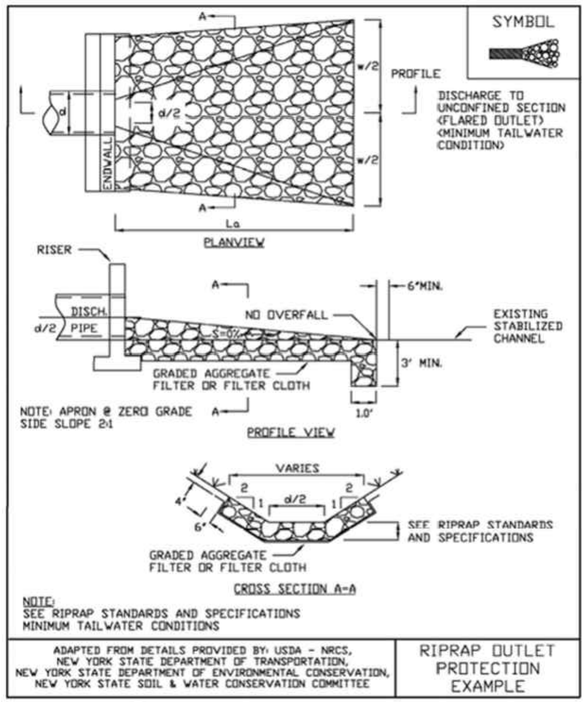
NEW YORK SOIL EROSION AND SEDIMENT CONTROL NOTES:

1. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE INSTALLED IN ACCORDANCE WITH NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, LATEST EDITION, AND THE SPDES (PERMIT NO. NY).
2. CONSTRUCTION SHALL BE SE UENCED IN ACCORDANCE WITH THE CONSTRUCTION SE UENCE BELOW.
3. ANY DISTURBED AREAS THAT ARE LEFT EXPOSED MORE THAN 14 DAYS, AND ARE NOT SUB ECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. TEMPORARY SEEDING SHALL BE APPLIED IN ACCORDANCE WITH THE FOLLOWING STANDARDS:
   A. FERTILI ER: FERTILI ER SHALL NOT BE USED.
   B. SEED: SPRING/SUMMER/EARLY FALL - ANNUAL OR PERENNIAL RYEGRASS APPLIED AT THE RATE OF 30 LBS. PER ACRE (1 LB. PER 1,000 SF). LATE FALL/EARLY WINTER - 'AROOSTOOK' WINTER RYE AT 100 LBS. PER ACRE (2.5 LBS. PER 1,000 SF).
   C. MULCH: MULCH SHALL NOT BE USED.
4. ANY GRADED AREAS NOT SUB ECT TO FURTHER DISTURBANCE OR CONSTRUCTION TRAFFIC SHALL, WITHIN 10 DAYS OF FINAL GRADING, RECEIVE PERMANENT VEGETATIVE COVER IN COMBINATION WITH SUITABLE MULCH. PERMANENT SEEDING SHALL BE PAID UNDER ITEM T-901-5.1 AND FOLLOW THE FOLLOWING STANDARDS:
   A. FERTILI ER AND LIME: FERTILI ER SHALL BE APPLIED AT THE RATE OF 20 LBS. PER 1,000 SF USING 5-5-10 OR E UIVALENT, IN ACCORDANCE WITH ITEM T-901.
   B. SEED MIXTURE: AS SPECIFIED IN ITEM T-901, TO BE APPLIED BETWEEN MARCH 15 AND MAY 15 OR BETWEEN AUGUST 15 AND OCTOBER 15.
   C. MULCH: CELLULOSE FIBER HYDROSEEDING MULCH IN ACCORDANCE WITH ITEM T-908.
5. CUT OR FILL SLOPES STEEPER THAN 3:1 SHALL BE STABILI ED IMMEDIATELY AFTER GRADING.
6. ALL PAVED AREAS SHALL BE KEPT CLEAN AT ALL TIMES.
7. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
8. ALL STORM DRAINAGE OUTLETS SHALL BE STABILI ED, AS RE UIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.
9. THE CONTRACTOR SHALL USE STAKES TO DELINEATE EXISTING WETLANDS AND OTHER SENSITIVE AREAS TO PROTECT.
10. IF FOR ANY REASON THE CONSTRUCTION IS HALTED FOR PROTRACTED PERIODS, THE CONTRACTOR SHALL TEMPORARILY SEED AND MULCH BY HYDRO-SEED OR OTHER MEANS, TO THE SATISFACTION OF THE RPR, FOR ALL AREAS DENUDE OF VEGETATION.
11. STORM WATER FROM DISTURBED AREAS MUST BE PASSED THROUGH A SILT FENCE OR OTHER CONTROL DEVICE BEFORE BEING DISCHARGED BEYOND DISTURBED AREAS OR DISCHARGED INTO INLETS OR OTHER DRAINAGE SYSTEMS.
12. DUST CONTROL - WATER SHALL BE APPLIED BY WATER TRUCK DURING GRADING OPERATIONS TO MINIMI E SEDIMENT TRANSPORT AND MAINTAIN ACCEPTABLE AIR UALITY CONDITIONS. REPETITIVE TREATMENTS SHALL BE DONE AS NEEDED UNTIL GRADES ARE STABILI ED.
13. THE CONTRACTOR SHALL INSPECT THE EFFECTIVENESS AND CONDITION OF EROSION CONTROL DEVICES DURING STORM EVENTS, AFTER EACH RAINFALL OF ½" MAGNITUDE OR GREATER, PRIOR TO WEEKENDS AND PRIOR TO FORECASTED STORM EVENTS.
14. THE CONTRACTOR SHALL REPAIR OR REPLACE DAMAGED EROSION CONTROL DEVICES IMMEDIATELY, AND IN NO CASE, MORE THAN TWENTY-FOUR (24) HOURS AFTER OBSERVING SUCH DEFICIENCIES.
15. THE CONTRACTOR SHALL BE PREPARED TO IMPLEMENT INTERIM DRAINAGE CONTROLS AND EROSION CONTROL MEASURES AS MAY BE NECESSARY DURING THE COURSE OF CONSTRUCTION.
16. THE CONTRACTOR SHALL MAKE AVAILABLE ONSITE ALL E UIPMENT, MATERIALS, AND LABOR NECESSARY TO EFFECT EMERGENCY EROSION CONTROL AND DRAINAGE IMPROVEMENTS WITHIN TWENTY-FOUR (24) HOURS OF ANY IMPENDING EMERGENCY SITUATION.
17. ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL FINAL ACCEPTANCE OF THE SITE WORK BY THE OWNER/RPR. UPON CERTIFICATION OF FINAL ACCEPTANCE, THE OWNER WILL ASSUME RESPONSIBILITY FOR THE CONTINUED MAINTENANCE OF PERMANENT SOIL EROSION AND SEDIMENT CONTROL MEASURES.
18. THE WESTCHESTER COUNTY SOIL AND WATER CONSERVATION DISTRICT, WESTCHESTER COUNTY DEPT. OF PUBLIC WORKS TRANSPORTATION, NYSDEC, OR THE RPR MAY RE UEST ADDITIONAL MEASURES TO MINIMI E THE POTENTIAL FOR ONSITE OR OFFSITE EROSION AND SEDIMENTATION PROBLEMS THAT MAY OCCUR DURING CONSTRUCTION.

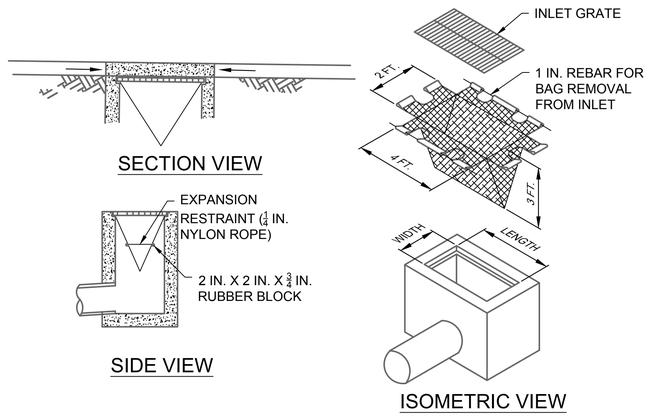
SE UENCE OF CONSTRUCTION

THE ANTICIPATED CONSTRUCTION DURATION IS 156 CALENDAR DAYS. THE WORK WILL PROCEED IN GENERAL ACCORDANCE WITH THE FOLLOWING SE UENCE. STEPS MAY BE EXECUTED CONCURRENTLY WHERE APPLICABLE AS LONG AS PROPER EROSION AND SEDIMENT CONTROL METHODS ARE IMPLEMENTED. SEE SHEETS GC501 TO GC503 FOR CONSTRUCTION SE UENCE TYPICAL SECTIONS.

- SCHEDULE A PRE-CONSTRUCTION MEETING WITH WESTCHESTER COUNTY SOIL AND WATER CONSERVATION DISTRICT.
- DELINEATE RESOURCES TO PROTECT.
- ESTABLISH STAGING AREA(S) AND CONSTRUCTION ENTRANCE(S).
- PROTECT POST-CONSTRUCTION PRACTICE AREAS DURING CONSTRUCTION TO PRESERVE NATIVE SOIL PERMEABILITY, INSTALL SMP S ONLY AFTER SITE IS STABILI ED.
- CLEARING AND GRUBBING AS NECESSARY FOR THE INSTALLATION OF PERIMETER CONTROLS.
- ESTABLISH METHOD OF SPOILS DISPOSAL (OFF-SITE).
- CONSTRUCTION AND STABILI ATION OF PERIMETER CONTROLS.
- INSTALL INITIAL RUNOFF CONTROLS AND STABILI ATION.
- REMOVAL OF EXISTING RUNWAY EDGE LIGHTS AND FOUNDATIONS.
- EXCAVATION OF THE PROPOSED RUNWAY SHOULDER AREAS.
- REMOVAL OF EXISTING RUNWAY EDGE LIGHT CONDUIT.
- AD USTMENT OF DRAINAGE STRUCTURES TO PROPOSED GRADE.
- BACKFILL EXCAVATION WITH P-209 CRUSHED AGGREGATE BASE COURSE AND COMPACT.
- CONSTRUCTION OF ASPHALT SHOULDER PAVEMENT.
- INSTALLATION OF PERMANENT STORMWATER MANAGEMENT MEASURES.
- CONDUCT SOIL RESTORATION.
- FINAL FINE GRADING, LANDSCAPING AND STABILI ATION.
- REMOVAL OF TEMPORARY EROSION AND SEDIMENT CONTROLS
- RESTORE AND STABILI E ANY DISTURBED AREAS REMAINING UPON REMOVAL OF TEMPORARY ESC MEASURES



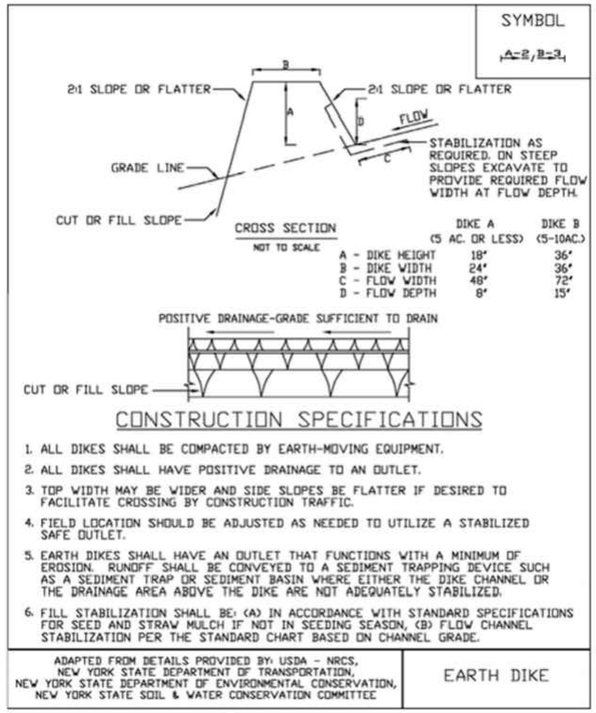
2 CE501 RIPRAP OUTLET PROTECTION
SCALE: NTS



NOTES:

1. FILTER BAG SHALL BE NYSDEC APPROVED MATERIAL ADS FLEXSTORM LITE INLET FILTER, ENPAC STORM SENTINEL CATCH BASIN INSERT, OR FERGUSON WATERWORKS SILTSACK.
2. AT A MINIMUM, THE FABRIC SHALL HAVE A MINIMUM GRAB TENSILE STRENGTH OF 120 LBS, A MINIMUM BURST STRENGTH OF 200 PSI, AND A MINIMUM TRAPE OIDAL TEAR STRENGTH OF 50 LBS. FILTER BAGS SHALL BE CAPABLE OF TRAPPING ALL PARTICLES NOT PASSING A NO. 40 SIEVE.
3. INLET FILTER BAGS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. BAGS SHALL BE EMPTIED AND RINSED OR REPLACED WHEN HALF FULL OR WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING OR BYPASSING OF THE INLET. REFER TO DETAIL 1 OF THIS SHEET. DAMAGED OR CLOGGED BAGS SHALL BE REPLACED. A SUPPLY SHALL BE MAINTAINED ON SITE FOR REPLACEMENT OF BAGS. ALL NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER THE INSPECTION. DISPOSE OF ACCUMULATED SEDIMENT AS WELL AS ALL USED BAGS ACCORDING TO THE PLAN NOTES. DO NOT USE ON MA OR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HA ARDS.

1 CE501 FILTER BAG INLET PROTECTION
SCALE: NTS



3 CE501 EARTH DIKE
SCALE: NTS

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SEAL: STATE OF NEW YORK CEDRICK ANTHONY JOHNSON No. 082909 LICENSED PROFESSIONAL ENGINEER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

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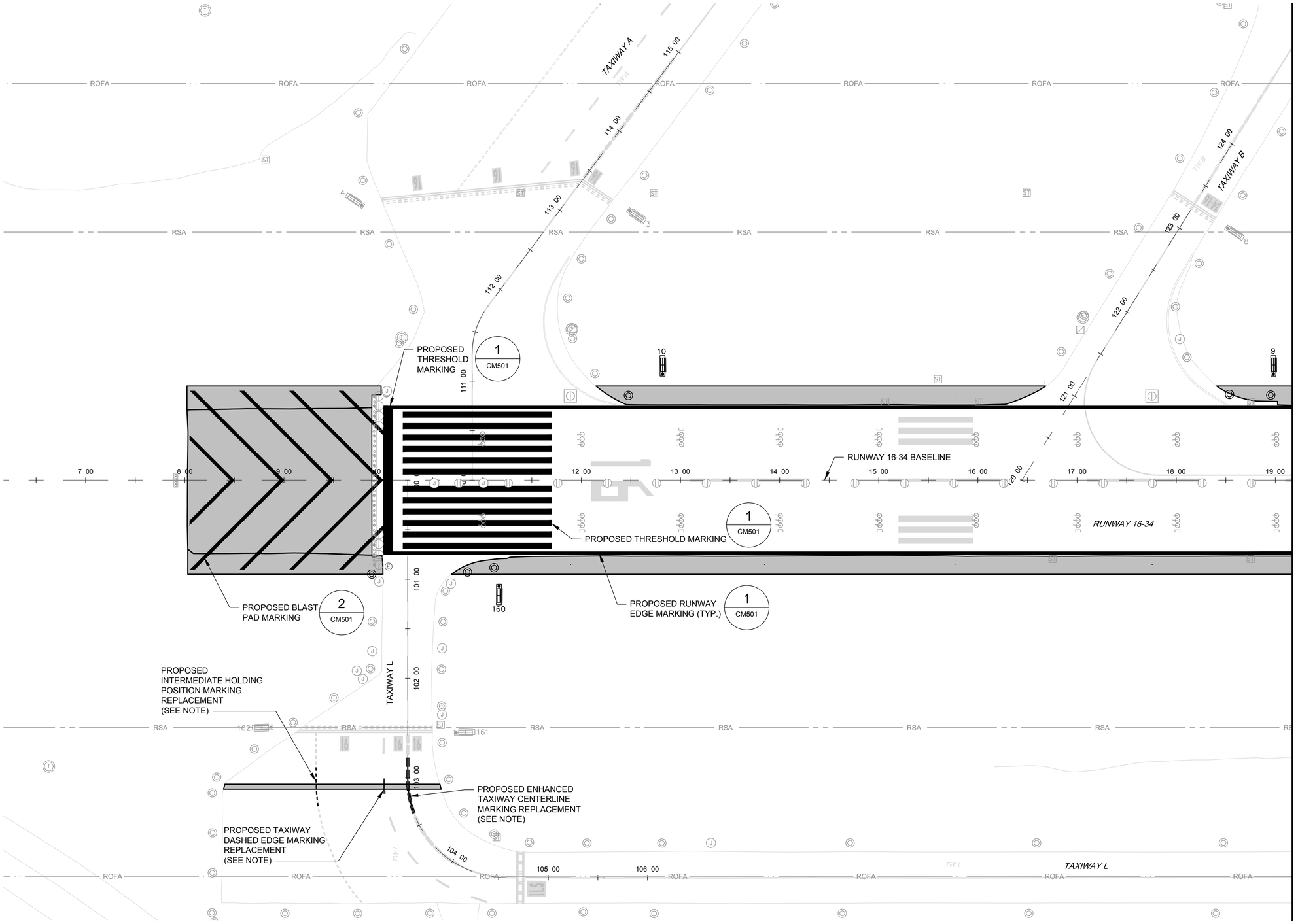
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
EROSION AND SEDIMENT CONTROL NOTES AND DETAILS

CONTRACT NUMBER: 25-503
SHEET NUMBER: **CE501**
DWG NO.: 63 of 99
SCALE: AS SHOWN
DATE: FEBRUARY 2025
DPW FILE NO.: 48-11-C-561-0
REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CE501 EROSION AND SEDIMENT CONTROL NOTES AND DETAILS.dwg LAYOUT NAME: CE501 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:36pm



NORTH

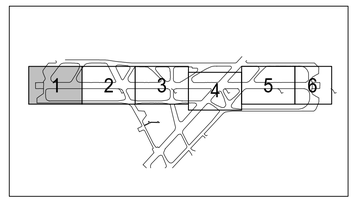
50 25 0 50 100
GRAPHIC SCALE BAR

LEGEND:

- EXISTING STORM INLET
- EXISTING SANITARY MANHOLE
- EXISTING COMMUNICATION MANHOLE
- EXISTING ELECTRIC MANHOLE
- EXISTING SIGN
- EXISTING ELECTRIC CAN
- EXISTING UTILITY MANHOLE
- PROPOSED PAVEMENT MARKING
- PROPOSED PAVEMENT

NOTE:

REPLACEMENT MARKINGS ON TAXIWAY L ARE TO "MATCH IN KIND" WITH THE EXISTING MARKINGS.



KEYMAP

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WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

PAVEMENT MARKING PLAN 1

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CM101
DWG NO.:	64 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-C-562-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CM101_6 PAVEMENT MARKING PLANS.dwg LAYOUT NAME: CM101 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:37pm

MATCHLINE - SEE SHEET CM101

MATCHLINE - SEE SHEET CM103

ROFA ROFA ROFA ROFA ROFA ROFA ROFA

RSA RSA RSA RSA RSA RSA RSA RSA

TSA TSA

WIND CONE

TMH-SQUARE

TAXIWAY D

TAXIWAY C

TAXIWAY L

RUNWAY 16-34

RUNWAY 16-34 BASELINE

PROPOSED RUNWAY EDGE MARKING (TYP.) 1 / CM501

CONC H/W

137 50 137 00 136 00 135 00 134 00 133 00 132 00 131 00 130 00 141 00 142 00 143 00 144 00 144 50

14 15 16 17 18 19 20 22 23 24 25

20 00 21 00 22 00 23 00 24 00 25 00 26 00 27 00 28 00 29 00 30 00 31 00 32 00

99 100 102

TMH TMH

LEGEND:

- EXISTING STORM DRAIN
- EXISTING SANITARY MANHOLE
- EXISTING COMMUNICATION MANHOLE
- EXISTING ELECTRIC MANHOLE
- EXISTING SIGN
- EXISTING ELECTRIC CAN
- EXISTING UTILITY MANHOLE
- PROPOSED RUNWAY MARKING
- PROPOSED PAVEMENT

NORTH

50 25 0 50 100

GRAPHIC SCALE BAR

1 2 3 4 5 6

KEYMAP

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WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

PAVEMENT MARKING PLAN 2

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CM102
DWG NO.:	65 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-C-563-0	0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CM101_6 PAVEMENT MARKING PLANS.dwg LAYOUT NAME: CM102 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:37pm

MATCHLINE - SEE SHEET CM102

MATCHLINE - SEE SHEET CM104

RUNWAY 16-34 BASELINE

PROPOSED RUNWAY EDGE MARKING (TYP.) 1 CM501

TAXIWAY E

TAXIWAY G

TAXIWAY F

TAXIWAY L

RUNWAY 16-34

ROFA

RSA

TSA

MON. WELL

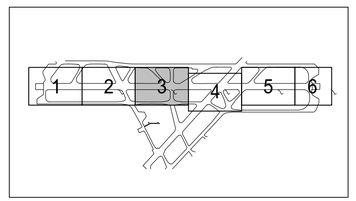
TMH

GRAPHIC SCALE BAR 50 25 0 50 100

NORTH

LEGEND:

- EXISTING STORM DRAIN
- EXISTING SANITARY MANHOLE
- EXISTING COMMUNICATION MANHOLE
- EXISTING ELECTRIC MANHOLE
- EXISTING SIGN
- EXISTING ELECTRIC CAN
- EXISTING UTILITY MANHOLE
- PROPOSED RUNWAY MARKING
- PROPOSED PAVEMENT



KEYMAP

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SEAL: STATE OF NEW YORK · CEDRIC ANTHONY JOHNSON · No. 082909 · LICENSED PROFESSIONAL ENGINEER

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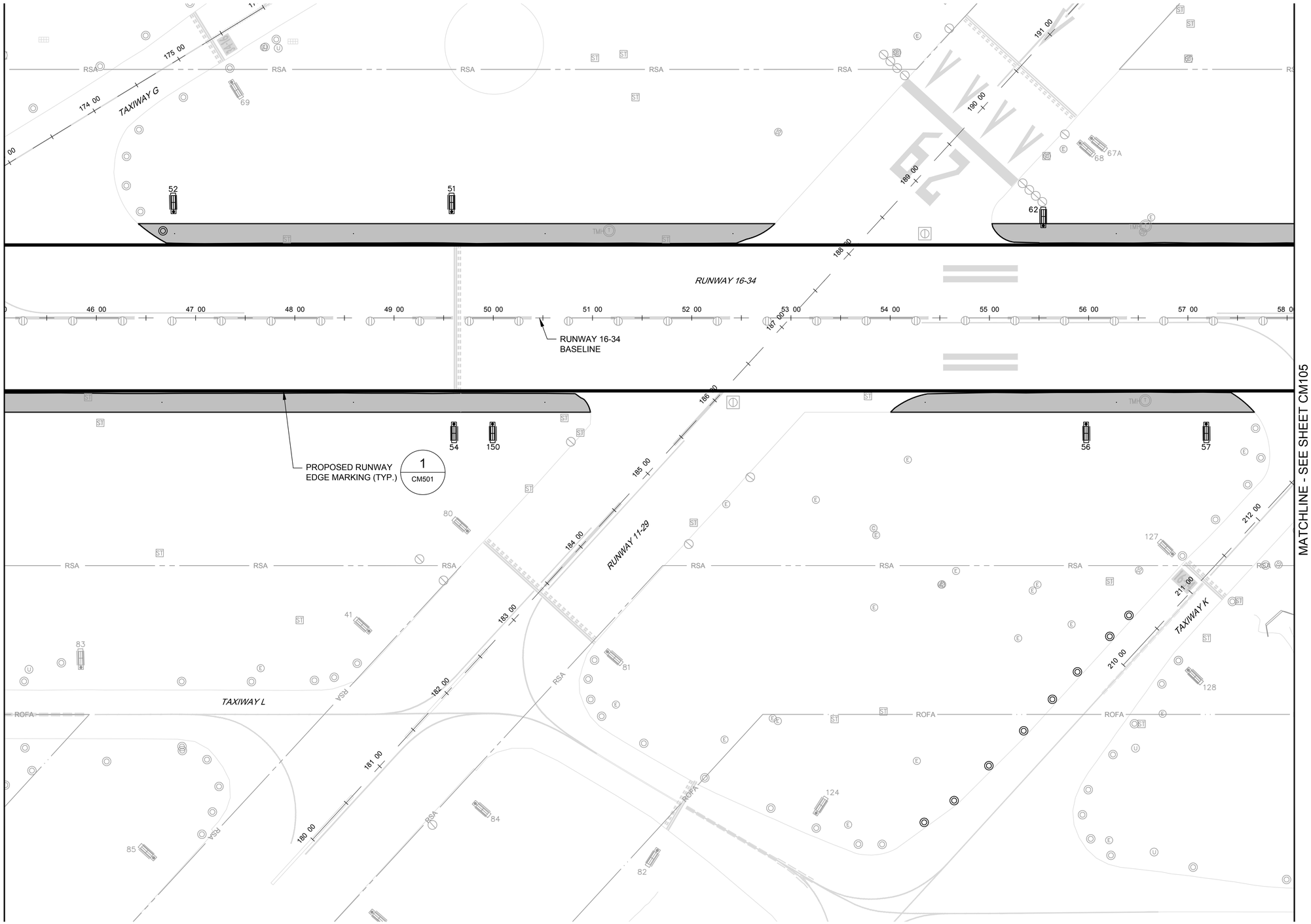
PAVEMENT MARKING PLAN 3

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CM103
DWG NO.:	66 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-C-564-0	0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CM101_6 PAVEMENT MARKING PLANS.dwg LAYOUT NAME: CM103 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:37pm



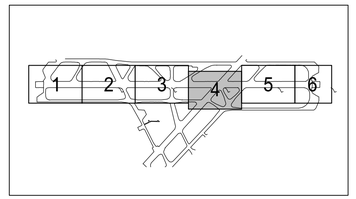
NORTH

50 25 0 50 100

GRAPHIC SCALE BAR

LEGEND:

- EXISTING STORM DRAIN
- EXISTING SANITARY MANHOLE
- EXISTING COMMUNICATION MANHOLE
- EXISTING ELECTRIC MANHOLE
- EXISTING SIGN
- EXISTING ELECTRIC CAN
- EXISTING UTILITY MANHOLE
- PROPOSED RUNWAY MARKING
- PROPOSED PAVEMENT



KEYMAP

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SEAL:

STATE OF NEW YORK · CEDRICK ANTHONY JOHNSON · No. 082609 · LICENSED PROFESSIONAL ENGINEER

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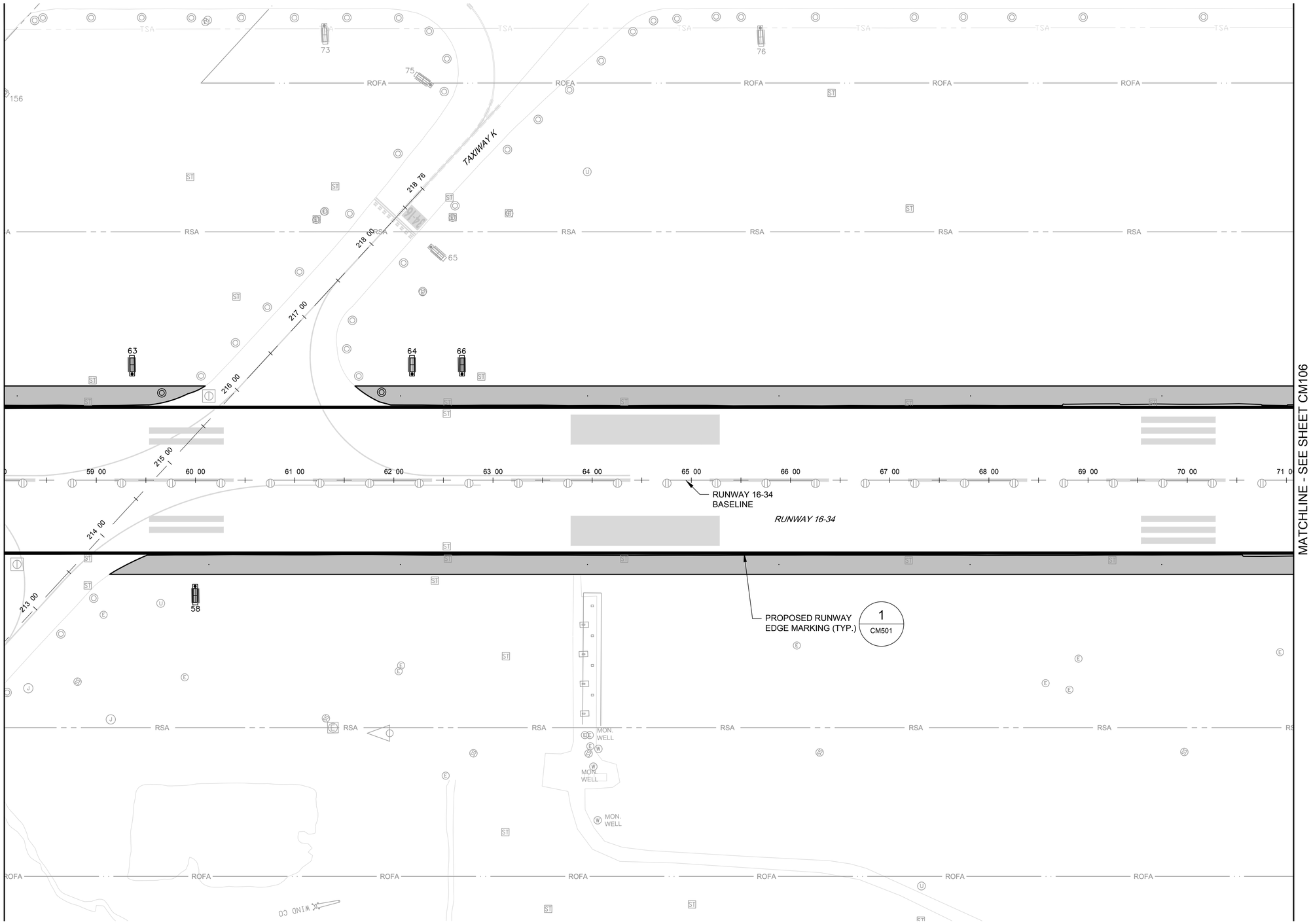
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

PAVEMENT MARKING PLAN 4

CONTRACT NUMBER: 25-503	SHEET NUMBER: CM104
DWG NO.:	67 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-C-565-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CM101_6 PAVEMENT MARKING PLANS.dwg LAYOUT NAME: CM104 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:37pm



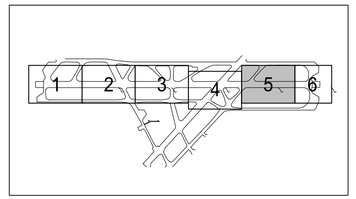
NORTH

50 25 0 50 100

GRAPHIC SCALE BAR

LEGEND:

- EXISTING STORM DRAIN
- EXISTING SANITARY MANHOLE
- EXISTING COMMUNICATION MANHOLE
- EXISTING ELECTRIC MANHOLE
- EXISTING SIGN
- EXISTING ELECTRIC CAN
- EXISTING UTILITY MANHOLE
- PROPOSED RUNWAY MARKING
- PROPOSED PAVEMENT



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SEAL: STATE OF NEW YORK · CEDRIC ANTHONY JOHNSON · No. 082909 · LICENSED PROFESSIONAL ENGINEER

BID DOCUMENTS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

WESTCHESTER COUNTY AIRPORT

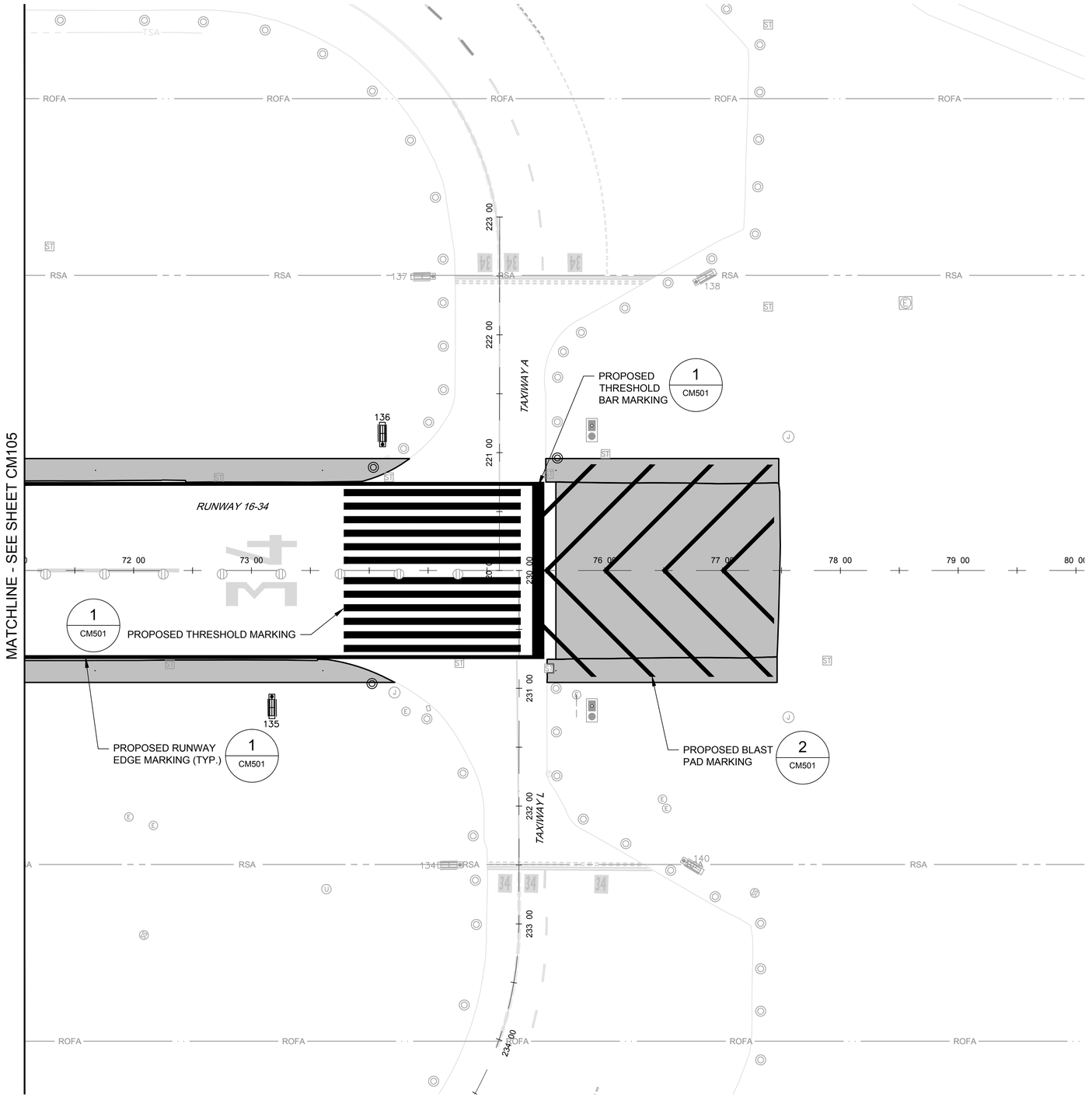
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

PAVEMENT MARKING PLAN 5

CONTRACT NUMBER: 25-503	SHEET NUMBER: CM105
DWG NO.: 68 of 99	
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-C-566-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CM101_6 PAVEMENT MARKING PLANS.dwg LAYOUT NAME: CM105 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:37pm



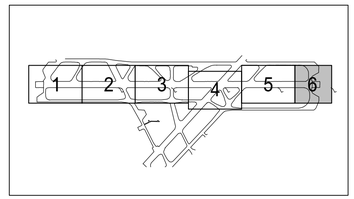
NORTH

50 25 0 50 100

GRAPHIC SCALE BAR

LEGEND:

- EXISTING STORM INLET
- EXISTING SANITARY MANHOLE
- EXISTING COMMUNICATION MANHOLE
- EXISTING ELECTRIC MANHOLE
- EXISTING SIGN
- EXISTING ELECTRIC CAN
- EXISTING UTILITY MANHOLE
- PROPOSED PAVEMENT MARKING
- PROPOSED PAVEMENT



KEYMAP

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER ANY ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

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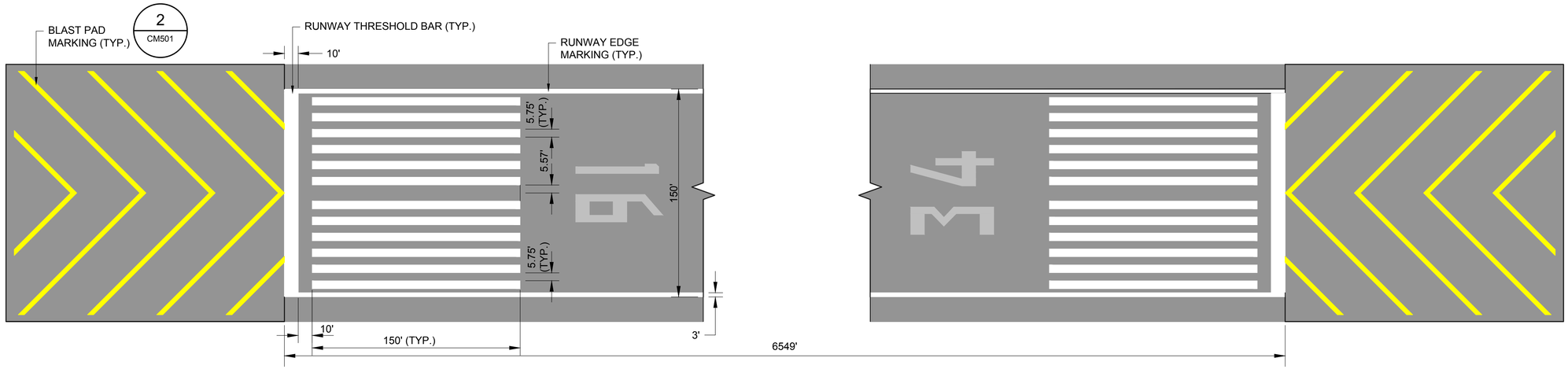
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

PAVEMENT MARKING PLAN 6

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CM106
DWG NO.:	69 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-C-567-0	REV. NO. 0

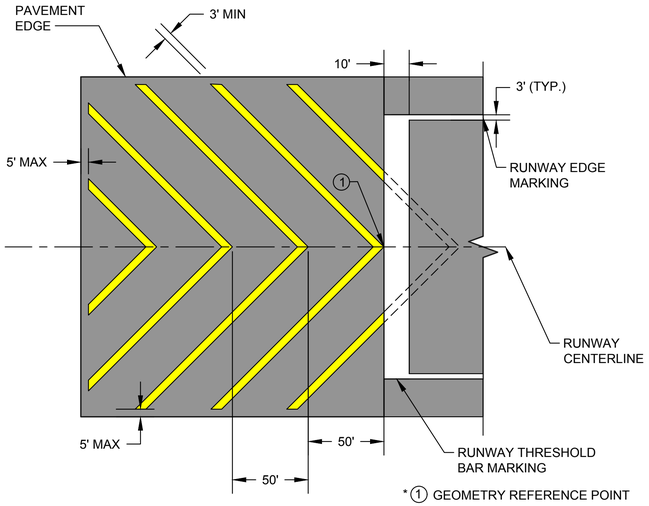
FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CM101_6 PAVEMENT MARKING PLANS.dwg LAYOUT NAME: CM106 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:38pm



NOTES:

1. ALL RUNWAY MARKING IS TO BE PAINTED WHITE UNLESS OTHERWISE NOTED.
2. BLAST PAD CHEVRONS ARE PAINTED YELLOW AND AT AN ANGLE OF 45° TO THE RUNWAY CENTERLINE AND OUTLINED WITH A 6" BLACK BORDER.

1 CM501 — RUNWAY MARKING
SCALE: NTS



2 CM501 — BLAST PAD MARKING
SCALE: NTS

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER ANY ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

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SEAL: STATE OF NEW YORK — CEDRIC ANTHONY PRATT — No. 082603 — LICENSED PROFESSIONAL ENGINEER

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WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

PAVEMENT MARKING DETAILS

CONTRACT NUMBER:	SHEET NUMBER:
25-503	CM501
DWG NO.: 70 of 99	
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-C-568-0	REV. NO. 0

FILE NAME: O:\HPN\PROJECTS\2024-0101 16-34 Shoulders\CAD\SHEETS\CM501 PAVEMENT MARKING DETAILS.dwg LAYOUT NAME: CM501 USER: MBishop PLOTTED: Thursday, February 20, 2025 - 3:38pm

ELECTRICAL GENERAL NOTES

1. IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO COORDINATE THEIR ACTIVITIES WITH THE GENERAL CONTRACTOR OR ANY OTHER SUBCONTRACTOR, CONTRACTOR, OWNER-CONTRACTED TRADESMEN, MUNICIPAL EMPLOYEES, UTILITIES, ETC., INVOLVED IN THE OVERALL SCOPE OF THE PROJECT AT NO EXTRA COST TO THE AIRPORT.
2. ALL TRENCHES SHALL BE FILLED IN WITH APPROVED MATERIAL PRIOR TO THE END OF THE SHIFT. NO OPEN TRENCHES SHALL BE PERMITTED.
3. ANY EXCAVATION PERFORMED ON THIS PROJECT MUST ADHERE TO ALL CURRENT OSHA REGULATIONS, TO TITLE 29 CFR PART 1926, AS AMENDED, AS WELL AS ANY OTHER NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, AS AMENDED.
4. ALL CABLE CONNECTIONS SHALL BE MADE AT LIGHT FIXTURES, SIGNS, MANHOLES, LIGHT BASES AND AS REQUIRED BY ENGINEER/RPR. NO DIRECT BURIED UNDERGROUND SPLICES WILL BE PERMITTED.
5. THE CONTRACTOR SHALL PAY FOR ALL TESTING REQUIRED UNLESS SPECIFIED OTHERWISE. ALL TESTING SHALL BE APPROVED BY THE ENGINEER AND PERFORMED IN PRESENCE OF THE RPR.
6. TEMPORARY EQUIPMENT INSTALLATIONS AND/OR CABLES SHALL NOT BE USED FOR FINAL INSTALLATION.
7. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO THE INSTALLATION OF ANY ELECTRICAL EQUIPMENT, CONDUIT, WIRING, ETC. ALL WORK SHALL BE COORDINATED WITH THE WORK TO BE PERFORMED BY OTHER TRADES.
8. VERIFY THAT THE NECESSARY AIRFIELD LIGHTING CIRCUITS ARE DE-ENERGIZED AND THAT THE NECESSARY CIRCUIT BREAKERS HAVE BEEN LOCKED OPEN AND TAGGED-OUT PRIOR TO COMMENCING ANY WORK ON THAT PORTION OF THE SYSTEM. TAKE ALL SAFETY MEASURES INCLUDING DISCHARGING OF CABLE CAPACITANCE AND GROUNDING TO PROTECT AGAINST ANY ELECTRICAL SHOCK.
9. L-867 AND/OR L-868 LIGHT BASES SHALL NOT BE LEFT UNCOVERED. INSTALL A LIGHT FIXTURE OR HEAVY DUTY COVER PLATE ON ALL OPENED L-867 AND/OR L-868 LIGHT BASES PRIOR TO END OF EACH SHIFT.
10. LIGHT LINE WORK INDICATES EXISTING ELECTRICAL MATERIALS AND EQUIPMENT TO REMAIN. HEAVY LINE WORK INDICATES ELECTRICAL MATERIALS TO BE FURNISHED AND /OR INSTALLED OR EXISTING ELECTRICAL INSTALLATION TO BE MODIFIED, REINSTALLED, AND/OR REMOVED AS SHOWN ON THE CONTRACT DRAWINGS. HEAVY LINE WORK ALSO INDICATES EQUIPMENT SPECIFIED BY OTHER DISCIPLINES BUT TO BE INSTALLED, CONNECTED AND/OR COMMISSIONED BY ELECTRICAL TRADE.
11. ALL EXISTING RUNWAY, TAXIWAY, AND SIGN CIRCUITS DAMAGED BY THE CONTRACTOR UNDER THIS CONTRACT SHALL BE REPLACED BETWEEN SPLICE POINTS IMMEDIATELY AT NO COST TO THE AIRPORT.
12. RESTORE TO OPERATING CONDITION ALL ELECTRICAL CIRCUITS AT THE END OF EACH WORK SHIFT. IN NO CASE SHALL ANY ELECTRICAL CIRCUIT REMAIN OPEN. WHERE CIRCUIT ENTERS AN EXISTING LIGHT BASE, HANDHOLE, OR MANHOLE, MAKE SPLICES REQUIRED TO MAINTAIN CONTINUITY OF ENTIRE CIRCUIT. DO NOT DISCONNECT ANY RUNWAY AND/OR TAXIWAY LIGHTING CIRCUITS WITHOUT THE APPROVAL OF THE ENGINEER. THE RUNWAY EDGE LIGHTS MUST BE RESTORED TO OPERATIONAL CONDITION WHENEVER THE RUNWAY IS EXPECTED TO BE ACTIVE. FURNISH & INSTALL TEMPORARY CABLE CONNECTIONS AS REQUIRED BY THE SEQUENCE OF WORK.
13. ALL GROUND RODS SHALL BE TESTED FOLLOWING INSTALLATION AND SHALL HAVE A RESISTANCE TO GROUND NO GREATER THAN 25 OHMS. IF THIS RESISTANCE CANNOT BE ACHIEVED, AN ADDITIONAL GROUND ROD SHALL BE INSTALLED AT A MINIMUM OF 6 FEET FROM THE ORIGINAL GROUND ROD AND THEN BONDED TO THE ORIGINAL GROUND ROD. A COPY OF ALL RECORDED VALUES AND LOCATIONS SHALL BE SUBMITTED TO THE ENGINEER.
14. THE EXISTING RUNWAY EDGE LIGHT FIXTURES AND TRANSFORMERS SHALL BE DELIVERED TO THE AIRPORT AFTER THEIR USE FOR THE TEMPORARY EDGE LIGHT SYSTEM. ALL OTHER LIGHT FIXTURES AND OTHER REMOVED EQUIPMENT NOT ACCEPTED BY THE AIRPORT SHALL BE PROPERLY DISPOSED OF OFF OF AIRPORT PROPERTY.
15. REFER TO DRAWING DETAILS FOR INSTALLATION OF COUNTERPOISE CABLE. COUNTERPOISE SHALL BE SIZED PER CONTRACT DRAWINGS. INSTALL GROUND RODS AND EXOTHERMICALLY WELD TO COUNTERPOISE CABLE AT 500 FOOT INTERVALS AND AT EACH DUCT BANK OR CONDUIT END.
16. CAP ALL SPARE CONDUITS. FURNISH AND INSTALL NYLON PULL CORD IN EACH EMPTY POWER AND COMMUNICATION CONDUIT RUN OVER 10 FEET. THE NYLON CORD SHALL HAVE A STRENGTH OF 200 FT.-LBS. MINIMUM.
17. ALL WIRES AND/OR CABLES TERMINATING IN MANHOLES AND HANDHOLES SHALL HAVE A MINIMUM OF 10 FT OF COILED SLACK AND SHALL BE SEALED. ALL CABLES SHALL BE WALL-RACKED ORGANIZED SUCH THAT NO CABLES SHALL BE LEFT COILED ON THE BOTTOM OF MANHOLES OR HANDHOLES. GROUND WIRES IN CONDUITS THAT TERMINATE IN MANHOLES OR HANDHOLES SHALL BE CONNECTED TO THE GROUNDING SYSTEM IN THE MANHOLE OR HANDHOLE.
18. PRIOR TO THE REMOVAL AND AFTER THE INSTALLATION OF THE RUNWAY CENTERLINE LIGHT FIXTURES AND THE TOUCHDOWN ZONE LIGHT FIXTURES. TEST THE INSULATION RESISTANCE OF THE ENTIRE CIRCUIT, FROM THE OUTPUT OF THE REGULATOR, IN THE PRESENCE OF THE ENGINEER. TESTING ON EXISTING CABLES SHALL BE AT 1000V MAXIMUM FOR 2 MINUTES RECORD THE VALUES. THE FINAL MEASUREMENT SHALL BE GREATER THAN THE ORIGINAL BUT NOT LESS THAN 50 M-OHMS. IF THE SECOND READING IS LOWER THAN ORIGINAL, THE CONTRACTOR SHALL PROVIDE CORRECTIVE ACTION TO IMPROVE THE READING TO GREATER THAN 50 M-OHMS.
19. AFTER THE COMPLETE INSTALLATION OF THE RUNWAY EDGE, TEST THE INSULATION RESISTANCE OF THE ENTIRE CIRCUIT, FROM THE OUTPUT OF THE REGULATOR, IN THE PRESENCE OF THE ENGINEER. TESTING ON EXISTING CABLES SHALL BE AT 1000V MAXIMUM FOR 2 MINUTES RECORD THE VALUES. THE FINAL MEASUREMENT SHALL BE GREATER THAN THE ORIGINAL BUT NOT LESS THAN 50 M-OHMS. IF THE SECOND READING IS LOWER THAN ORIGINAL, THE CONTRACTOR SHALL PROVIDE CORRECTIVE ACTION TO IMPROVE THE READING TO GREATER THAN 50 M-OHMS.
20. ALL LIGHT FIXTURE LOCATIONS PROVIDED ARE BASED ON DESIGN DOCUMENTS WITH A DESIGN ESTABLISHED COORDINATE SYSTEM, MARKING PLAN, DESIGN BASELINE AND CAD BACKGROUND. THE ESTABLISHMENT OF A FIELD SURVEY CONSTRUCTION BASELINE DIFFERENT FROM THE DESIGN BASELINE SHALL CAUSE A SHIFT IN THE COORDINATE SYSTEM AND WILL CREATE AN ERROR IN THE LIGHT LAYOUTS AND LOCATIONS. ONCE THE FIELD CONSTRUCTION BASELINE IS ESTABLISHED VERIFY AND DOCUMENT THAT IT MATCHES THE DESIGN BASELINE, SUBMIT THIS TO THE RPR FOR REVIEW AND APPROVAL.

UNDERGROUND ELECTRICAL UTILITY NOTES

1. EXISTING UTILITIES ARE SHOWN IN ACCORDANCE WITH THE MOST ACCURATE AVAILABLE INFORMATION. COMPLETENESS OR EXACTNESS THEREOF IS NOT GUARANTEED. IT SHALL BE THE CONTRACTORS' RESPONSIBILITY TO CONTACT THE UTILITY COMPANY INVOLVED, IN ORDER TO SECURE THE OFFICIAL RECORDS OF UTILITY LINES WITH RESPECT TO LOCATION AND ELEVATION. NO REMOVAL OR CONSTRUCTION AROUND OR ADJACENT TO UTILITIES SHALL BEGIN WITHOUT PRIOR NOTIFYING THE ENGINEER AT LEAST 48 HOURS IN ADVANCE. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTION TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE TO THE UTILITY LINES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND MARKING OUT OF ALL UNDERGROUND UTILITIES, SERVICES, AND DRAINAGE LINES PRIOR TO START OF ANY EXCAVATION IN A WORK AREA. WHEN WORKING WITHIN 10 FEET OF ANY OF THE ABOVE, EXCAVATION IS TO BE PERFORMED BY HAND METHODS AS APPROVED BY THE ENGINEER. THE COST SHALL BE INCLUDED UNDER THE VARIOUS CONTRACT ITEMS.
3. SURVEY ELECTRIC CABLE/CONDUIT ROUTING AND MARK PRIOR TO DEMOLITION. IN PAVED AREAS, PAINT IS ACCEPTABLE; IN UN-PAVED AREAS, UTILIZE MARKER STAKES AT 25 FOOT INTERVALS.
4. FOR DEB CABLES TO REMAIN, WHICH ARE EXPOSED DURING EXCAVATION, INSERT EACH CIRCUIT IN AN INDIVIDUAL SPLIT-DUCT CONDUIT, SIZED PER NEC CABLE FILL REQUIREMENTS OR AS INDICATED IN CONTRACT DOCUMENTS.
5. INSTALL CONDUIT CHAIRS AT THE BASE OF THE TRENCH FOR ELECTRICAL CONDUIT.
6. BACKFILL UTILITY TRENCH 6 INCHES ABOVE HIGHEST CONDUIT, AND INSTALL DETECTABLE TRACER TAPE. TAPE SHALL BE 6 INCHES WIDE AND RED WITH THE LABELING "BURIED ELECTRIC LINE". BACKFILL TRENCH TO EXISTING GRADE WITH SUITABLE EARTH AS APPROVED BY THE ENGINEER.
7. WHERE NECESSARY, MODIFY ROUTING OF DUCT BANK AND CONDUITS AS APPROVED BY THE ENGINEER TO AVOID INTERFERENCE WITH EXISTING DUCT BANKS, DEB CABLES OR OTHER UTILITIES.
8. MAINTAIN A MINIMUM SEPARATION OF 12" BETWEEN ALL EXISTING UTILITIES AND DUCT BANKS.
9. ELECTRICAL HANDHOLES/MANHOLES MAY BE FILLED WITH WATER. PROVIDE THE NECESSARY EQUIPMENT SUCH AS SMALL PUMPS, DISCHARGE HOSES, SUCTION HOSES, ETC., TO MAINTAIN A SAFE AND WORKING CONDITION AT NO ADDITIONAL COST TO THE AIRPORT. WATER REJECTION AREA SHALL BE DETERMINED BY RPR.
10. PROTECT EXISTING CABLES WHEN PERFORMING WORK IN EXISTING MANHOLES OR HANDHOLES. CONTRACTOR SHALL SUBMIT A CABLE PROTECTION PLAN PRIOR TO START OF WORK.
11. WHERE CONDUITS INSTALLED ARE TO BE TERMINATED IN EXISTING MANHOLES, HANDHOLES, PULLBOXES OR LIGHT BOXES, PROVIDE OPENING FOR THE ADDITIONAL CONDUIT ENTRANCES. OVERSIZED OPENINGS AROUND CONDUITS SHALL BE REPAIRED AND SEALED. PRIOR TO INSTALLATION, DETERMINE LOCATION OF EXISTING DUCT BANK. CONDUIT ROUTING SHALL NOT DAMAGE EXISTING DUCT BANK.
12. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL MAINTAIN ALL LIGHTING SYSTEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY LIGHTING AND CONNECTIONS.

ABBREVIATIONS

AFLC	AIRFIELD LIGHTING CABLE
ALCMS	AIRFIELD LIGHTING CONTROL AND MONITORING SYSTEM
AOA	AIRPORT OPERATIONS AREA
AWG	AMERICAN WIRE GAUGE
BCU	BARE COPPER
C, CND	CONDUIT
CCR	CONSTANT CURRENT REGULATOR
CFR	CODE OF FEDERAL REGULATIONS
CHH	COMMUNICATION HANDHOLE
C/L	CENTERLINE
COMM	COMMUNICATIONS
CONC	CONCRETE
CONT	CONTINUOUS
CPSE	COUNTERPOISE
DEB	DIRECT EARTH BURIAL
DGABC	DENSE GRADE AGGREGATE BASE COURSE
DIA.,Ø	DIAMETER
EC	EMPTY CONDUIT
ETC	ET CETERA
ELEV	ELEVATION
EXIST	EXISTING
FAA	FEDERAL AVIATION ADMINISTRATION
FT	FOOT/FEET
G.,GND	GROUND
GSCA	GLIDE SLOPE CRITICAL AREA
RGS, GRS	RIGID GALVANIZED STEEL
HH	HANDHOLE
ILS	INSTRUMENT LANDING SYSTEM
KVA	KILO VOLT-AMP
KW	KILOWATT
LBS	POUNDS
LED	LIGHT EMITTING DIODE
LFNC	LIQUIDTIGHT FLEXIBLE NON-METALLIC CONDUIT
MAX	MAXIMUM
MIN	MINIMUM
MH	MANHOLE
MISC	MISCELLANEOUS
N/A	NOT APPLICABLE
NEC	NATIONAL ELECTRIC CODE
NO, NO., #	NUMBER
NOTAM	NOTICE TO AIRMEN
OAE	OR APPROVED EQUAL
OFA	OBJECT FREE AREA
OFZ	OBJECT FREE ZONE
OSHA	OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
QTY	QUANTITY
RCP	REINFORCED CONCRETE PIPE
RGL	RUNWAY GUARD LIGHTS
RPR	RESIDENT PROJECT REPRESENTATIVE
RPZ	RUNWAY PROTECTION ZONE
RSA	RUNWAY SAFETY AREA
R/W	RUNWAY
SCH	SCHEDULE
SMH	SANITARY MANHOLE
SS	SANITARY SEWER
TB	TERMINAL BLOCK
TOFA	TAXIWAY OBJECT FREE AREA
TWSP	TWISTED SHIELDED PAIR WIRE
T/W	TAXIWAY
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY

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WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
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TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

ELECTRICAL NOTES AND ABBREVIATIONS

CONTRACT NUMBER: 25-503	SHEET NUMBER: **EG101**
DWG NO.:	71 of 99
SCALE: NONE	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-E-569-0	REV. NO. 0

FILE NAME: J:\2024\2024-0267.01-Westchester_JKL_Rehab_RW16_34\10-Design\Drawings\WorkingDocuments\HPN\HPN-EG101_EG102-ELECTRICAL NOTES AND ABBREVIATIONS.dwg LAYOUT NAME: 48-11-E-569-0 USER: jbernhardt PLOTTED: Friday, February 21, 2025 - 3:21pm

AERONAUTICAL LIGHTING FIXTURES AND RELATED EQUIPMENT SCHEDULE

ITEM NO.	FAA DESIGNATION	FAA SPEC	DESCRIPTION	MANUFACTURER(S)	REMARKS
			CABLE		
1	L-824C	L-108	AIRFIELD LIGHTING CABLE - 1/C #8 5KV	ADVANCED DIGITAL CABLE INC, NEHRING ELECTRICAL WORKS COMPANY, PRYSMIAN POWER CABLES AND SYSTEMS USA, OR APPROVED EQUAL	
2	N/A	L-108	1/C #6 BARE COPPER COUNTERPOISE	SOUTHWIRE, AMERICAN INSULATED WIRE, ROME, GENERAL CABLE OR APPROVED EQUAL	
3	L-823	L-108,L-125	CONNECTOR KITS - PRIMARY SINGLE POLE	ABB INSTALLATION PRODUCTS, ADB-SAFEGATE AMERICAS, CROUSE-HINDS AIRPORT LIGHTING PRODUCTS, MONROE INTEGRO, OR APPROVED EQUAL	
4	L-823	L-108,L-125	CONNECTOR KITS - SECONDARY DOUBLE POLE	ABB INSTALLATION PRODUCTS, ADB-SAFEGATE AMERICAS, CROUSE-HINDS AIRPORT LIGHTING PRODUCTS, MONROE INTEGRO, OR APPROVED EQUAL	
			LIGHT BASE AND ACCESSORIES		
5	L-867B	L-125	SPACER RING NON LOAD BEARING - CLASS 1A GALVANIZED STEEL	AIRPORT LIGHTING EQUIPMENT, JAQUITH INDUSTRIES, MILLERBERND OR APPROVED EQUAL	THICKNESS 1/16", 1/8", 1/4",1/2", GALVANIZED. FOR AC PAVEMENT INSTALLATION
6	L-867B	L-125	LIGHT BASE TOP SECTIONS NON LOAD BEARING - CLASS 1A GALVANIZED STEEL	AIRPORT LIGHTING EQUIPMENT, JAQUITH INDUSTRIES, MILLERBERND OR APPROVED EQUAL	TOP SECTIONS FOR NEW AC PAVEMENT INSTALLATIONS SHALL BE A NOMINAL SIZE OF 4" IN HEIGHT.
7	L-867B	L-125	BOTTOM SECTION LIGHT BASE - NON LOAD BEARING - CLASS 1A GALVANIZED STEEL	AIRPORT LIGHTING EQUIPMENT, JAQUITH INDUSTRIES, MILLERBERND OR APPROVED EQUAL	ALL LIGHT BASES SHALL HAVE A MINIMUM OF 4 CONDUIT POSITIONS AT 90 DEGREES APART. REFER TO AREA PLANS AND DETAILS FOR ADDITIONAL CONDUIT POSTION QUANTITIES. ALL LIGHT BASE CONDUIT ENTRIES SHALL BE GROMMET TYPE. ALL LIGHT BASES SHALL HAVE INTERNAL AND EXTERNAL GROUNDING STRAPS WITH MECHANICAL GROUNDING LUGS.
8	L-867B	L-125	3/4" COVER PLATE - NON LOAD BEARING - CLASS 1A GALVANIZED STEEL	AIRPORT LIGHTING EQUIPMENT, JAQUITH INDUSTRIES, MILLERBERND OR APPROVED EQUAL	
9	L-867B	L-125	ELEVATED LIGHT FIXTURE BASE PLATE	AIRPORT LIGHTING EQUIPMENT, JAQUITH INDUSTRIES, MILLERBERND OR APPROVED EQUAL	BASE PLATE SHALL BE AVIATION YELLOW POWDER COATING AND HAVE A A CENTER TAP SIZED PER ELEVATED FIXUTRE COUPLING
10	L-867B	L-125	TEMPORARY MUDPLATE FOR L-867B LIGHT BASE	AIRPORT LIGHTING EQUIPMENT, JAQUITH INDUSTRIES, MILLERBERND OR APPROVED EQUAL	
11	N/A	L-108, L-125	GROUND RODS AND TERMINATIONS/CONNECTORS	BURNDY, ERICO, HARGER AND CADWELD OR APPROVED EQUAL	GROUND ROD SHALL BE 3/4" IN DIAMETER, A MINIMUM OF 10 FEET LONG, AND COPPER CLAD STEEL
			ISOLATION TRANSFORMERS		
12	L-830	L-125	ISOLATION TRANSFORMERS - VARIOUS SIZE REQUIRED	ABB INSTALLATION PRODUCTS, ADB-SAFEGATE AMERICAS, MONROE INTEGRO OR APPROVED EQUAL	6.6A/6.6A ISOLATION TRANSFORMER
			AIRFIELD LIGHTING FIXTURES		
13	L-850A(L)	L-125	LED RUNWAY CENTERLINE LIGHT FIXTURES	CROUSE-HINDS AIRPORT LIGHTING PRODUCTS, ADB-SAFEGATE, MULTI-ELECTRIC OR APPROVED EQUAL	FIXTURES SHALL HAVE NO MONITORING. FIXTURES SHALL MEET "BUILD AMERICA BUY AMERICA" REQUIREMENTS
14	L-850B(L)	L-125	LED TOUCHDOWN ZONE LIGHT FIXTURES	CROUSE-HINDS AIRPORT LIGHTING PRODUCTS, ADB-SAFEGATE, MULTI-ELECTRIC OR APPROVED EQUAL	FIXTURE SHALL HAVE 4 DEGREE TOE IN ORDER TO INSTALL POINTING TOWARD RUNWAY CENTERLINE. FIXTURES SHALL HAVE NO MONITORING. FIXTURES SHALL MEET "BUILD AMERICA BUY AMERICA" REQUIREMENTS
15	L-850C(L)	L-125	LED IN-PAVEMENT RUNWAY EDGE LIGHT FIXTURES	CROUSE-HINDS AIRPORT LIGHTING PRODUCTS, ADB-SAFEGATE, MULTI-ELECTRIC OR APPROVED EQUAL	FIXTURES SHALL HAVE HEATERS. FIXTURES SHALL HAVE NO MONITORING. FIXTURES SHALL MEET "BUILD AMERICA BUY AMERICA" REQUIREMENTS
16	L-862(L)	L-125	LED ELEVATED RUNWAY EDGE LIGHT FIXTURES	CROUSE-HINDS AIRPORT LIGHTING PRODUCTS, ADB-SAFEGATE, MULTI-ELECTRIC OR APPROVED EQUAL	FIXTURES SHALL BE 30" TALL. FIXTURES SHALL HAVE HEATERS. FIXTURES SHALL HAVE NO MONITORING. FIXTURES SHALL MEET "BUILD AMERICA BUY AMERICA" REQUIREMENTS
17	L-862E(L)	L-125	LED ELEVATED RUNWAY END LIGHT FIXTURES	CROUSE-HINDS AIRPORT LIGHTING PRODUCTS, ADB-SAFEGATE, MULTI-ELECTRIC OR APPROVED EQUAL	FIXTURES SHALL BE 30" TALL. FIXTURES SHALL HAVE HEATERS. FIXTURES SHALL HAVE NO MONITORING. FIXTURES SHALL MEET "BUILD AMERICA BUY AMERICA" REQUIREMENTS
18	L-858(L)	L-125	AIRFIELD SIGNAGE	CROUSE-HINDS AIRPORT LIGHTING PRODUCTS, ADB- SAFEGATE, LUMACURVE OR APPROVED EQUAL	LIGHTED SIGN, LAMP AND ISOLATION TRANSFORMER WATTAGE DETERMINED BY SIGN LENGTH. SIGN SHALL BE MODE 2, ON/OFF SWITCH, CLASS 2, AND SIZE 2 OR 5. SIGN STYLE SHALL BE DETERMINED BASED ON EXISITNG REGULATORS STEPS. SIGN LABEL SHALL BE PROVIDED FOR EACH SIGN INSTALLED BASED ON THE CONTRACT DRAWINGS.
			MISCELLANEOUS ITEMS		
19	N/A	L-110	PVC CONDUIT - 2" SCHEDULE 40	CANTEX, GENERIC CONDUIT, JM EAGLE OR APPROVED EQUAL	
20	N/A	L-108	LOW VOLTAGE SPLICING/TERMINATIONS	3M, CONNECTOR MANUFACTURING COMPANY, SOUTHWIRE, OR APPROVED EQUAL	
21	P-606	L-125	P-606 ADHESIVE SEALANT	DAYTON SUPERIOR, 3M, CHEMQUE, OR APPROVED EQUAL	
22	P-605	L-125	P-605 CEMENT COMPOUND	CRAFCO, SEALMASTER OR APPROVED EQUAL	
23		L-125	TYPE 304 STAINLESS STEEL BOLTS	AIRPORT LIGHTING EQUIPMENT, CROUSE-HINDS AIRPORT LIGHTING PRODUCTS, JAQUITH INDUSTRIES, MILLERBERND OR APPROVED EQUAL	ALL BOLTS SHALL BE 3/8" HEX HEAD, AND HAVE 16 UNC THREAD
24		L-125	TWO PIECE LOCKING WASHERS	NORD-LOCK, HEICO, OR APPROVED EQUAL	

NOTES:

1. FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS, SEE SHEETS EG101.
2. THE AERONAUTICAL LIGHTING FIXTURES AND EQUIPMENT SCHEDULES PROVIDE GENERAL DESCRIPTIONS AND REQUIREMENTS. REFER TO CONTRACT SPECIFICATIONS AND DRAWINGS FOR SPECIFIC REQUIREMENTS.
3. THE AERONAUTICAL LIGHTING FIXTURES AND EQUIPMENT SCHEDULES DO NOT INDICATE A COMPLETE LIST FOR ALL EQUIPMENT REQUIRED FOR THE PROJECT.

AIRFIELD GROUND LIGHTING CONVERSION TO LED LIGHT FIXTURES NOTES:

1. RUNWAY 16-34 EDGE AND CENTERLINE LIGHTING SYSTEM AND RUNWAY 16 TOUCHDOWN ZONE LIGHTING SYSTEM ARE BEING CONVERTED FROM QUARTZ TO LED LIGHT FIXTURES.
2. A MIXED LAMP TECHNOLOGY SYSTEM IS PROHIBITED BY THE FAA.
3. ALL THE LIGHT FIXTURES OF AN AIRFIELD GROUND LIGHTING (AGL) SYSTEM SHALL BE REPLACED AND CONTAIN THE SAME LAMP TECHNOLOGY PRIOR TO RE-ENERGIZING AND PLACING THE LIGHT SYSTEM BACK IN OPERATION.
4. RUNWAY EDGE LIGHTS, RUNWAY CENTERLINE LIGHTS AND RUNWAY TOUCHDOWN ZONE LIGHTS ARE THREE SEPARATE AGL SYSTEMS. EACH AGL SYSTEM MAY CONTAIN A DIFFERENT LIGHT TECHNOLOGY RELEVANT TO THE OTHER AGL SYSTEMS.
5. THE COMPLETE REPLACEMENT OF LIGHT FIXTURES WILL REQUIRE AN EXTENDED SYSTEM OUTAGE. PROVIDE A SCHEDULE TO THE RPR FOR REVIEW AND APPROVAL, 8 WEEKS PRIOR TO THE PLANNED START OF WORK.
6. PROVIDE MULTIPLE WORK CREWS TO ACCOMPLISH THE WORK IN THE TIME ALLOWED.

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SEAL:
STATE OF NEW YORK
Manuel Montoya
LICENSED PROFESSIONAL ENGINEER
NO. 105154
Digitally signed by Manuel Montoya
Date: 2025.02.21 15:53:08-05'00'

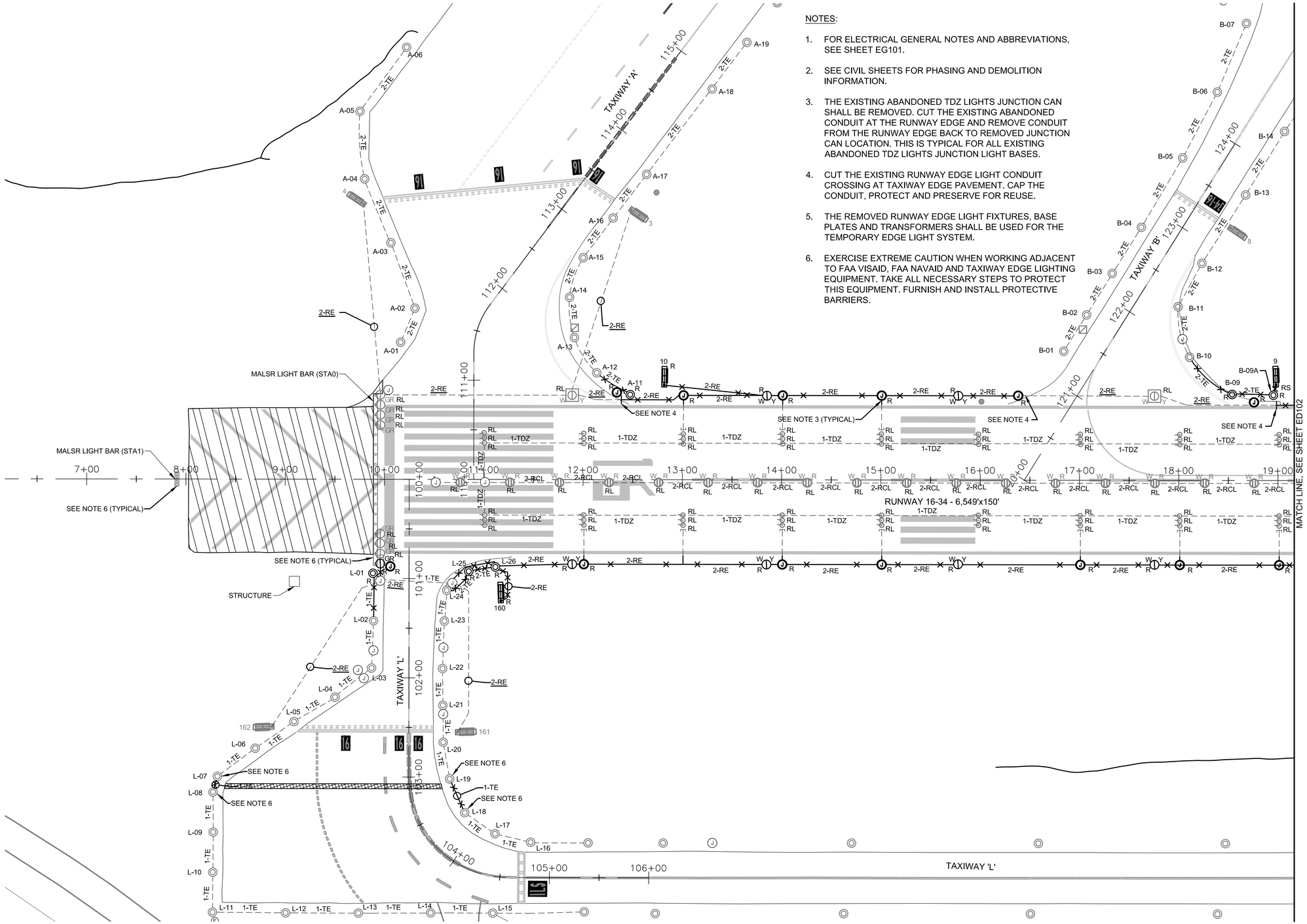
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

BID DOCUMENTS

WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
ELECTRICAL SCHEDULES

CONTRACT NUMBER:	SHEET NUMBER:
25-503	EG102
DWG NO.: 72 of 99	
SCALE: NONE	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-E-570-0	REV. NO. 0



NORTH

50' 25' 0 50' 100'

GRAPHIC SCALE

LEGEND:

- EXISTING COMM MANHOLE
- EXISTING ELECTRICAL MANHOLE
- EXISTING ELECTRICAL HANDHOLE
- EXISTING ELECTRICAL JUNCTION BOX
- EXISTING ELEVATED RUNWAY END/EDGE LIGHT
- EXISTING IN-PAVEMENT RUNWAY EDGE LIGHT
- EXISTING ELEVATED TAXIWAY EDGE LIGHT
- EXISTING IN-PAVEMENT RUNWAY CENTERLINE LIGHT
- EXISTING IN-PAVEMENT RUNWAY TDZ LIGHT
- EXISTING AIRFIELD GUIDANCE SIGN
- CATCHBASIN
- DRAINAGE MANHOLE
- EXISTING ELECTRICAL CONDUIT
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- RL RL — REMOVE IN-PAVEMENT/ELEVATED RUNWAY EDGE LIGHT FIXTURE AND TRANSFORMER. EXISTING LIGHT BASE TO REMAIN.
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- R — REMOVE ELEVATED RUNWAY EDGE/END LIGHT AND ASSOCIATED EQUIPMENT.
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- R — REMOVE EXISTING AIRFIELD GUIDANCE SIGN AND FOUNDATION.
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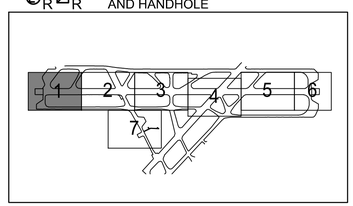

KEYMAP

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SEAL: STATE OF NEW YORK — MARIANO MONTOYA — LICENSED PROFESSIONAL ENGINEER — NO. 105154 — Digitally signed by Mariano Montoya Date: 2025.02.21 15:53:12-05'00'

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WESTCHESTER COUNTY AIRPORT

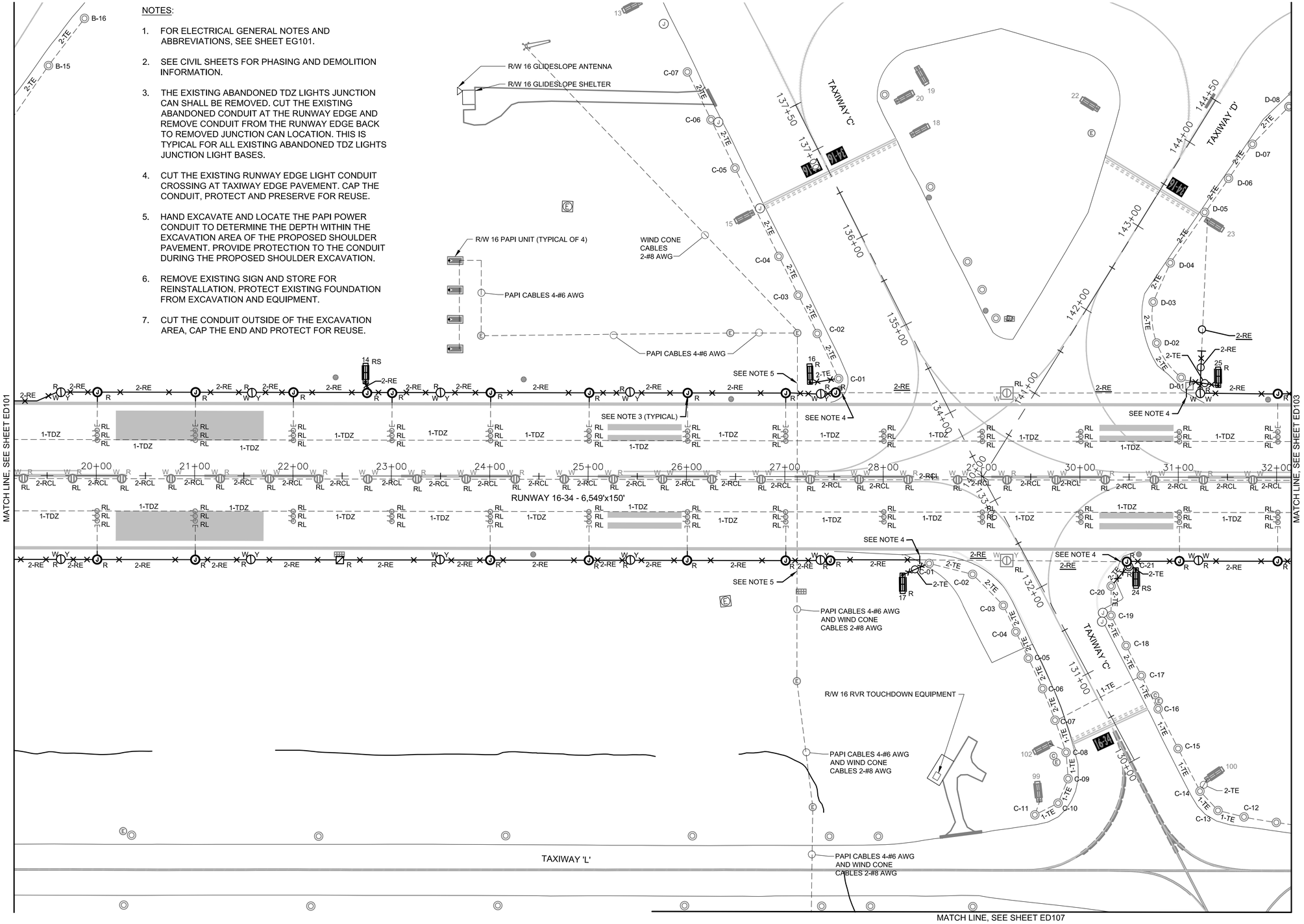
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
ELECTRICAL DEMOLITION PLAN 1

CONTRACT NUMBER:	SHEET NUMBER:
25-503	ED101
DWG NO.:	73 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-E-571-0	0

FILE NAME: J:\2024f\2024-0267.01-Westchester_JKL_Rehab_RW16_34\10-Design\Drawings\WorkingDocuments\HPN\HPN-ED101_ED107-ELECTRICAL DEMOLITION PLANS.dwg LAYOUT NAME: 48-11-E-571-0 USER: jbernhardt PLOTTED: Friday, February 21, 2025 - 3:22pm

NOTES:

1. FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS, SEE SHEET EG101.
2. SEE CIVIL SHEETS FOR PHASING AND DEMOLITION INFORMATION.
3. THE EXISTING ABANDONED TDZ LIGHTS JUNCTION CAN SHALL BE REMOVED. CUT THE EXISTING ABANDONED CONDUIT AT THE RUNWAY EDGE AND REMOVE CONDUIT FROM THE RUNWAY EDGE BACK TO REMOVED JUNCTION CAN LOCATION. THIS IS TYPICAL FOR ALL EXISTING ABANDONED TDZ LIGHTS JUNCTION LIGHT BASES.
4. CUT THE EXISTING RUNWAY EDGE LIGHT CONDUIT CROSSING AT TAXIWAY EDGE PAVEMENT. CAP THE CONDUIT, PROTECT AND PRESERVE FOR REUSE.
5. HAND EXCAVATE AND LOCATE THE PAPI POWER CONDUIT TO DETERMINE THE DEPTH WITHIN THE EXCAVATION AREA OF THE PROPOSED SHOULDER PAVEMENT. PROVIDE PROTECTION TO THE CONDUIT DURING THE PROPOSED SHOULDER EXCAVATION.
6. REMOVE EXISTING SIGN AND STORE FOR REINSTALLATION. PROTECT EXISTING FOUNDATION FROM EXCAVATION AND EQUIPMENT.
7. CUT THE CONDUIT OUTSIDE OF THE EXCAVATION AREA, CAP THE END AND PROTECT FOR REUSE.



NORTH

50' 25' 0 50' 100'

GRAPHIC SCALE

LEGEND:

- EXISTING COMM MANHOLE
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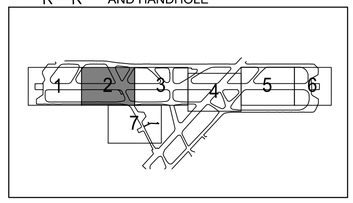

KEYMAP

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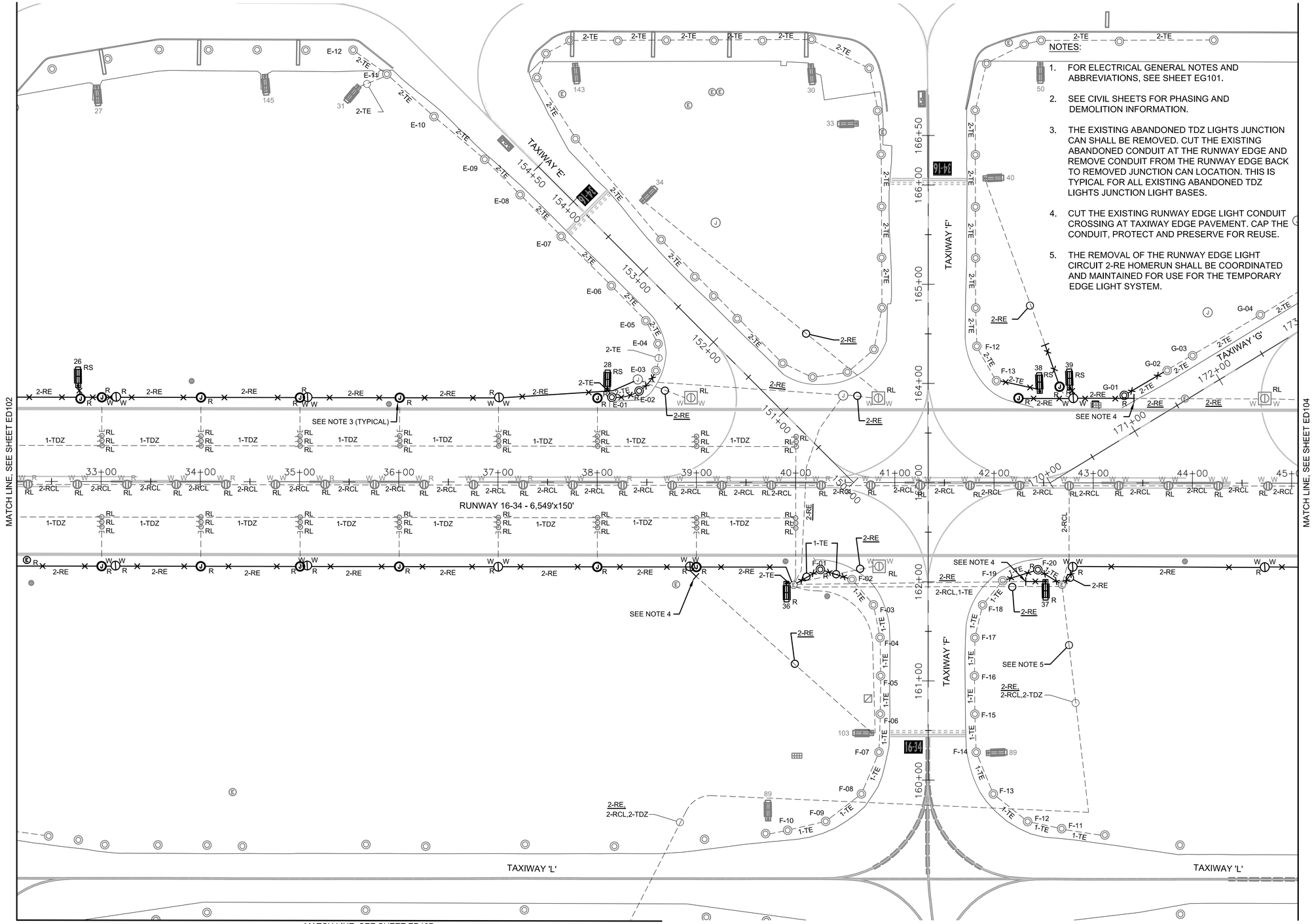
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
ELECTRICAL DEMOLITION PLAN 2

CONTRACT NUMBER:	SHEET NUMBER:
25-503	ED102
DWG NO.:	74 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-E-572-0	REV. NO. 0



NOTES:

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4. CUT THE EXISTING RUNWAY EDGE LIGHT CONDUIT CROSSING AT TAXIWAY EDGE PAVEMENT. CAP THE CONDUIT, PROTECT AND PRESERVE FOR REUSE.
5. THE REMOVAL OF THE RUNWAY EDGE LIGHT CIRCUIT 2-RE HOMERUN SHALL BE COORDINATED AND MAINTAINED FOR USE FOR THE TEMPORARY EDGE LIGHT SYSTEM.

NORTH

50' 25' 0 50' 100'

GRAPHIC SCALE

LEGEND:

- EXISTING COMM MANHOLE
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- EXISTING ELECTRICAL JUNCTION BOX
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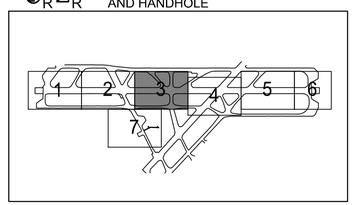

KEYMAP

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STATE OF NEW YORK — MARIAN MONTOYA — LICENSED PROFESSIONAL ENGINEER — NO. 105154
Marian Montoya
Digitally signed by Marian Montoya
Date: 2025.02.21 15:53:19-05'00'

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REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

WESTCHESTER COUNTY AIRPORT

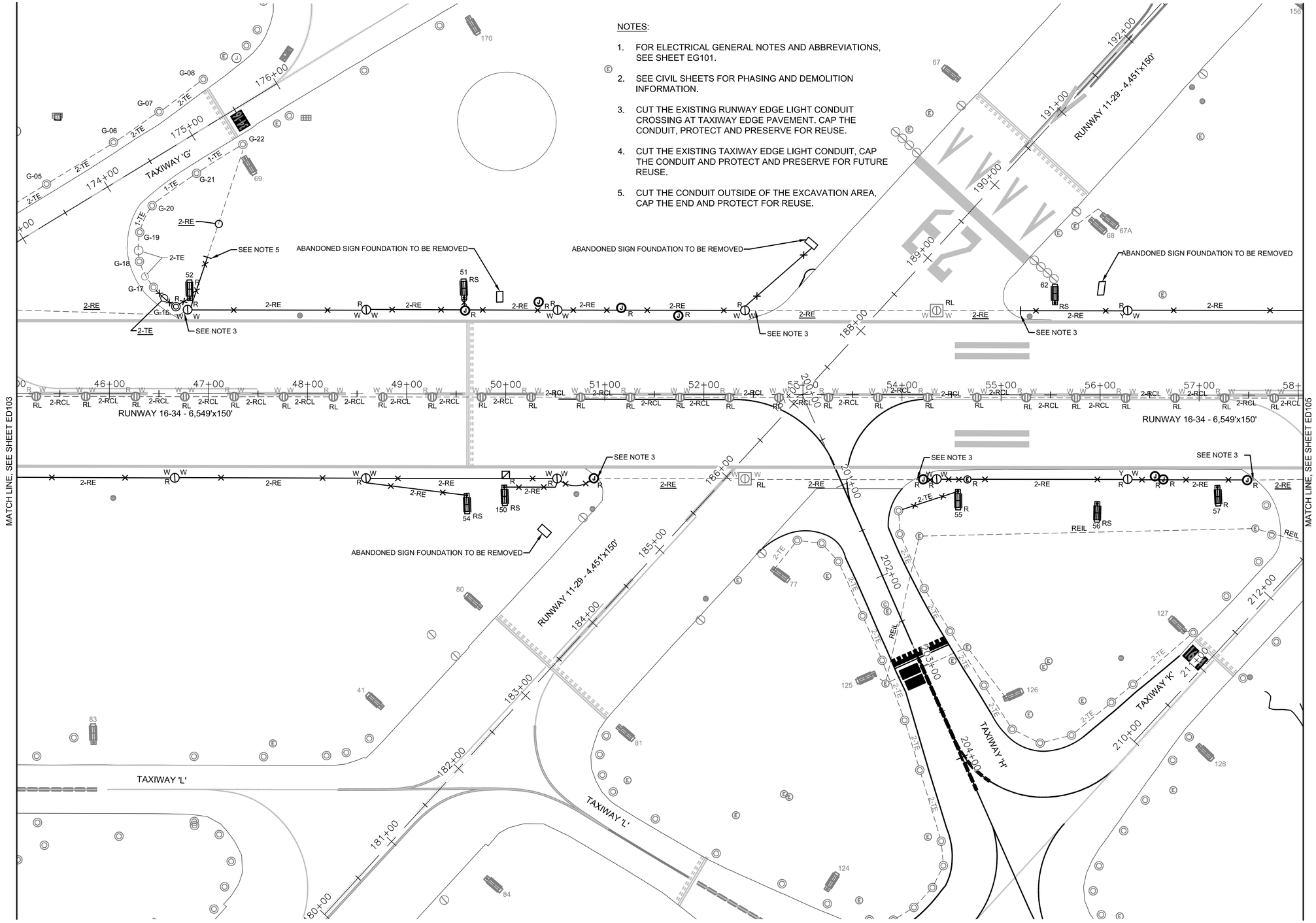
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
ELECTRICAL DEMOLITION PLAN 3

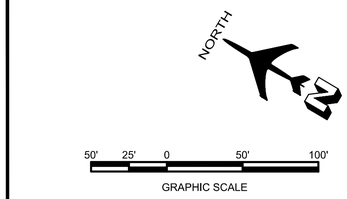
CONTRACT NUMBER:	SHEET NUMBER:
25-503	ED103
DWG NO.:	75 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-E-573-0	0

FILE NAME: J:\2024f\2024-0267.01-Westchester_JKL_Rehab_RW16_34\10-Design\Drawings\WorkingDocuments\HPN\HPN-ED101_ED107-ELECTRICAL DEMOLITION PLANS.dwg LAYOUT NAME: 48-11-E-573-0 USER: jbernhardt PLOTTED: Friday, February 21, 2025 - 3:22pm

NOTES:

1. FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS, SEE SHEET EG101.
2. SEE CIVIL SHEETS FOR PHASING AND DEMOLITION INFORMATION.
3. CUT THE EXISTING RUNWAY EDGE LIGHT CONDUIT CROSSING AT TAXIWAY EDGE PAVEMENT. CAP THE CONDUIT, PROTECT AND PRESERVE FOR REUSE.
4. CUT THE EXISTING TAXIWAY EDGE LIGHT CONDUIT, CAP THE CONDUIT AND PROTECT AND PRESERVE FOR FUTURE REUSE.
5. CUT THE CONDUIT OUTSIDE OF THE EXCAVATION AREA, CAP THE END AND PROTECT FOR REUSE.





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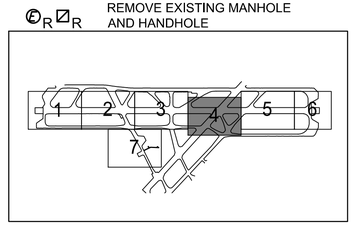

KEYMAP

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WESTCHESTER COUNTY AIRPORT

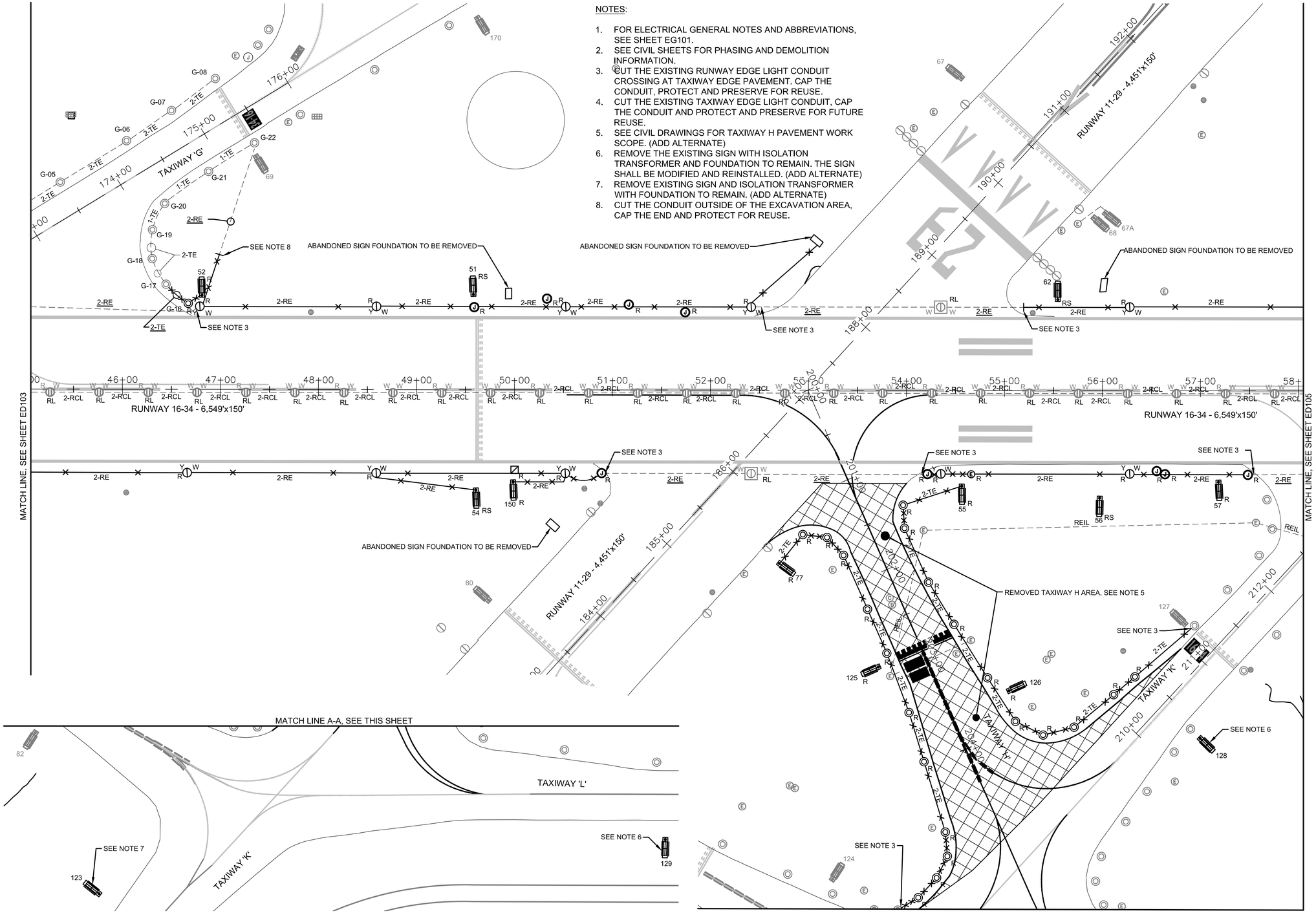
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
ELECTRICAL DEMOLITION PLAN 4

CONTRACT NUMBER:	SHEET NUMBER:
25-503	ED104
DWG NO.:	76 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-E-574-0	0

FILE NAME: J:\2024f\2024-0267.01-Westchester_JKL_Rehab_RW16_34\10-Design\Drawings\WorkingDocuments\HPN\HPN-ED101_ED107-ELECTRICAL DEMOLITION PLANS.dwg LAYOUT NAME: 48-11-E-574-0 USER: jbernhardt PLOTTED: Friday, February 21, 2025 - 3:22pm

NOTES:

1. FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS, SEE SHEET EG101.
2. SEE CIVIL SHEETS FOR PHASING AND DEMOLITION INFORMATION.
3. CUT THE EXISTING RUNWAY EDGE LIGHT CONDUIT CROSSING AT TAXIWAY EDGE PAVEMENT. CAP THE CONDUIT, PROTECT AND PRESERVE FOR REUSE.
4. CUT THE EXISTING TAXIWAY EDGE LIGHT CONDUIT, CAP THE CONDUIT AND PROTECT AND PRESERVE FOR FUTURE REUSE.
5. SEE CIVIL DRAWINGS FOR TAXIWAY H PAVEMENT WORK SCOPE. (ADD ALTERNATE)
6. REMOVE THE EXISTING SIGN WITH ISOLATION TRANSFORMER AND FOUNDATION TO REMAIN. THE SIGN SHALL BE MODIFIED AND REINSTALLED. (ADD ALTERNATE)
7. REMOVE EXISTING SIGN AND ISOLATION TRANSFORMER WITH FOUNDATION TO REMAIN. (ADD ALTERNATE)
8. CUT THE CONDUIT OUTSIDE OF THE EXCAVATION AREA, CAP THE END AND PROTECT FOR REUSE.



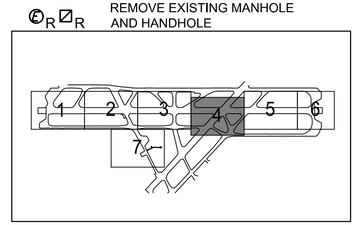
NORTH

50' 25' 0 50' 100'

GRAPHIC SCALE

LEGEND:

- EXISTING COMM MANHOLE
- EXISTING ELECTRICAL MANHOLE
- EXISTING ELECTRICAL HANDHOLE
- EXISTING ELECTRICAL JUNCTION BOX
- EXISTING ELEVATED RUNWAY END/EDGE LIGHT
- EXISTING IN-PAVEMENT RUNWAY EDGE LIGHT
- EXISTING ELEVATED TAXIWAY EDGE LIGHT
- EXISTING IN-PAVEMENT RUNWAY CENTERLINE LIGHT
- EXISTING IN-PAVEMENT RUNWAY TDZ LIGHT
- EXISTING AIRFIELD GUIDANCE SIGN
- CATCHBASIN
- DRAINAGE MANHOLE
- EXISTING ELECTRICAL CONDUIT
- 2-RE — REMOVE EXISTING CABLING IN EXISTING CONDUIT. NUMERAL INDICATES THE NUMBER OF LIGHT CABLES. "RE" INDICATES CIRCUIT DESIGNATION.
- 2-RE — REMOVE EXISTING CONDUIT AND CABLING. NUMERAL INDICATES THE NUMBER OF LIGHTING CABLES. "RE" INDICATES CIRCUIT DESIGNATION.
- RL — REMOVE IN-PAVEMENT RUNWAY CENTERLINE LIGHT FIXTURE AND TRANSFOMER. EXISTING LIGHT BASE TO REMAIN.
- RL RL — REMOVE IN-PAVEMENT/ELEVATED RUNWAY EDGE LIGHT FIXTURE AND TRANSFORMER. EXISTING LIGHT BASE TO REMAIN.
- RL — REMOVE RUNWAY TDZ LIGHT FIXTURE AND TRANSFORMER. EXISTING LIGHT BASE TO REMAIN.
- R — REMOVE ELEVATED RUNWAY EDGE/END LIGHT AND ASSOCIATED EQUIPMENT.
- R — REMOVE AND STORE ELEVATED TAXIWAY EDGE LIGHT. REMOVE LIGHT BASE AND ASSOCIATED EQUIPMENT.
- R — REMOVE EXISTING AIRFIELD GUIDANCE SIGN AND FOUNDATION.
- RS — REMOVE AND STORE EXISTING AIRFIELD GUIDANCE SIGN. REMOVE EXISTING FOUNDATION.
- R — REMOVE EXISTING JUNCTION BOX
- R R — REMOVE EXISTING MANHOLE AND HANDHOLE



KEYMAP

JKL
JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
307 SEVENTH AVENUE, ROOM 2302,
NEW YORK, NY 10001
PHONE: 410-465-9600

Burns
1261 BROADWAY, SUITE 708
NEW YORK, NY 10001
212.962.3503
www.burns-group.com

SEAL: STATE OF NEW YORK — Digitally signed by Mario Monoya — Date: 2025.02.21 15:53:27 -05'00' — LICENSED PROFESSIONAL ENGINEER — NO. 105154

BID DOCUMENTS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

WESTCHESTER COUNTY AIRPORT

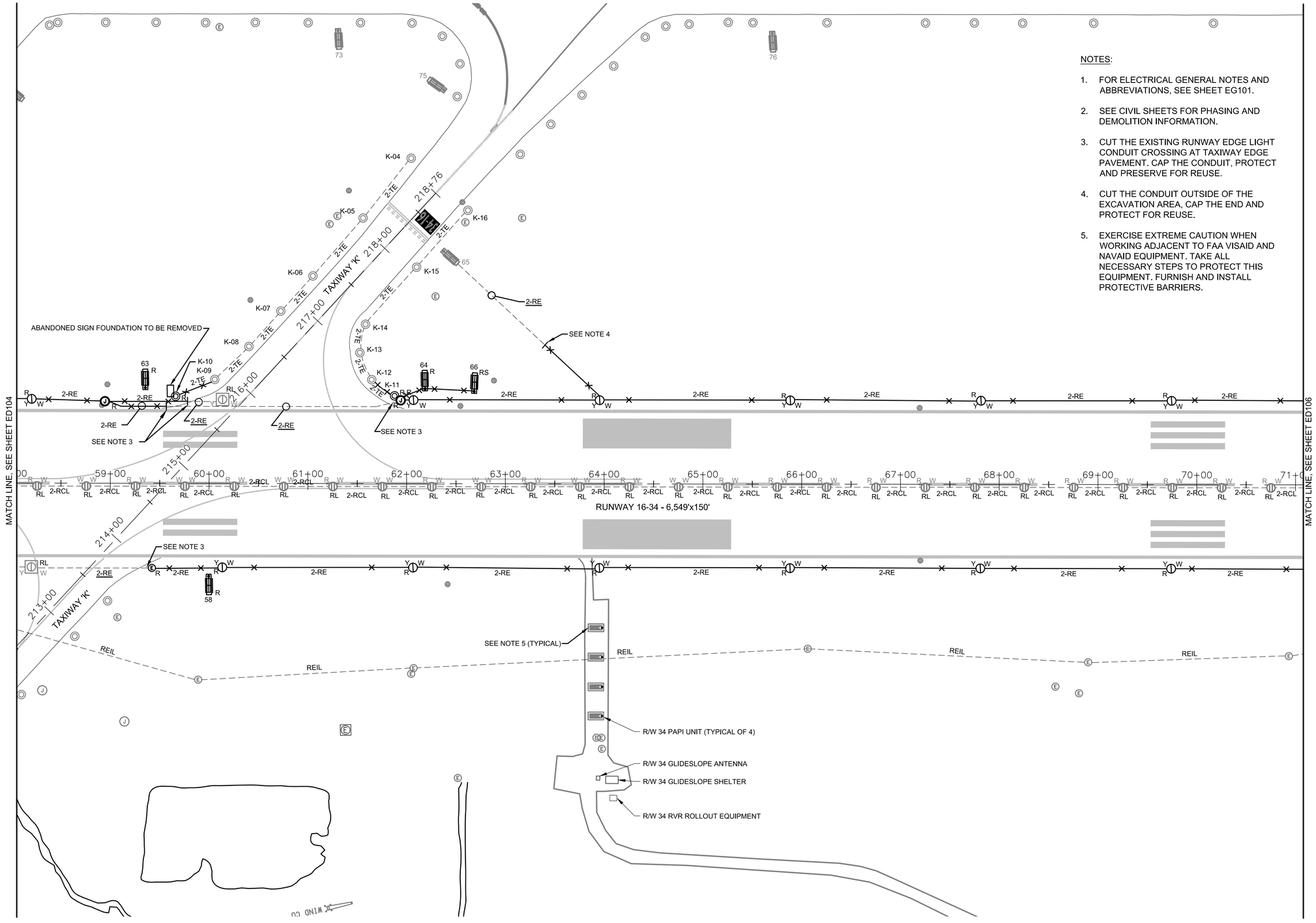
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

ELECTRICAL DEMOLITION PLAN 4A (ADD ALTERNATE)

CONTRACT NUMBER:	SHEET NUMBER:
25-503	ED104A
DWG NO.:	77 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-E-575-0	0

FILE NAME: J:\2024f\2024-0267.01-Westchester_JKL_Rehab_RW16_34\10-Design\Drawings\WorkingDocuments\HPN\HPN-ED104A-ELECTRICAL DEMOLITION PLAN.dwg LAYOUT NAME: 48-11-E-575-0 USER: jbernhardt PLOTTED: Friday, February 21, 2025 - 3:22pm



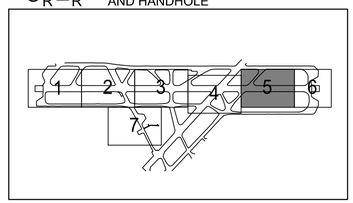
NORTH

50' 25' 0 50' 100'

GRAPHIC SCALE

LEGEND:

- EXISTING COMM MANHOLE
- EXISTING ELECTRICAL MANHOLE
- EXISTING ELECTRICAL HANDHOLE
- EXISTING ELECTRICAL JUNCTION BOX
- EXISTING ELEVATED RUNWAY END/EDGE LIGHT
- EXISTING IN-PAVEMENT RUNWAY EDGE LIGHT
- EXISTING ELEVATED TAXIWAY EDGE LIGHT
- EXISTING IN-PAVEMENT RUNWAY CENTERLINE LIGHT
- EXISTING IN-PAVEMENT RUNWAY TDZ LIGHT
- EXISTING AIRFIELD GUIDANCE SIGN
- CATCHBASIN
- DRAINAGE MANHOLE
- EXISTING ELECTRICAL CONDUIT
- 2-RE — REMOVE EXISTING CABLING IN EXISTING CONDUIT. NUMERAL INDICATES THE NUMBER OF LIGHT CABLES. "RE" INDICATES CIRCUIT DESIGNATION.
- 2-RE — REMOVE EXISTING CONDUIT AND CABLING. NUMERAL INDICATES THE NUMBER OF LIGHTING CABLES. "RE" INDICATES CIRCUIT DESIGNATION.
- RL — REMOVE IN-PAVEMENT RUNWAY CENTERLINE LIGHT FIXTURE AND TRANSFOMER. EXISTING LIGHT BASE TO REMAIN.
- RL, RL — REMOVE IN-PAVEMENT/ELEVATED RUNWAY EDGE LIGHT FIXTURE AND TRANSFORMER. EXISTING LIGHT BASE TO REMAIN.
- RL — REMOVE RUNWAY TDZ LIGHT FIXTURE AND TRANSFORMER. EXISTING LIGHT BASE TO REMAIN.
- R — REMOVE ELEVATED RUNWAY EDGE/END LIGHT AND ASSOCIATED EQUIPMENT.
- R — REMOVE AND STORE ELEVATED TAXIWAY EDGE LIGHT. REMOVE LIGHT BASE AND ASSOCIATED EQUIPMENT.
- R — REMOVE EXISTING AIRFIELD GUIDANCE SIGN AND FOUNDATION.
- RS — REMOVE AND STORE EXISTING AIRFIELD GUIDANCE SIGN. REMOVE EXISTING FOUNDATION.
- R — REMOVE EXISTING JUNCTION BOX
- R R — REMOVE EXISTING MANHOLE AND HANDHOLE



KEYMAP

JKL
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307 SEVENTH AVENUE, ROOM 2302,
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SEAL: STATE OF NEW YORK — Marlon Montoya — LICENSED PROFESSIONAL ENGINEER — No. 105154 — Digitally signed by Marlon Montoya Date: 2025.02.21 15:53:31-05'00'

BID DOCUMENTS

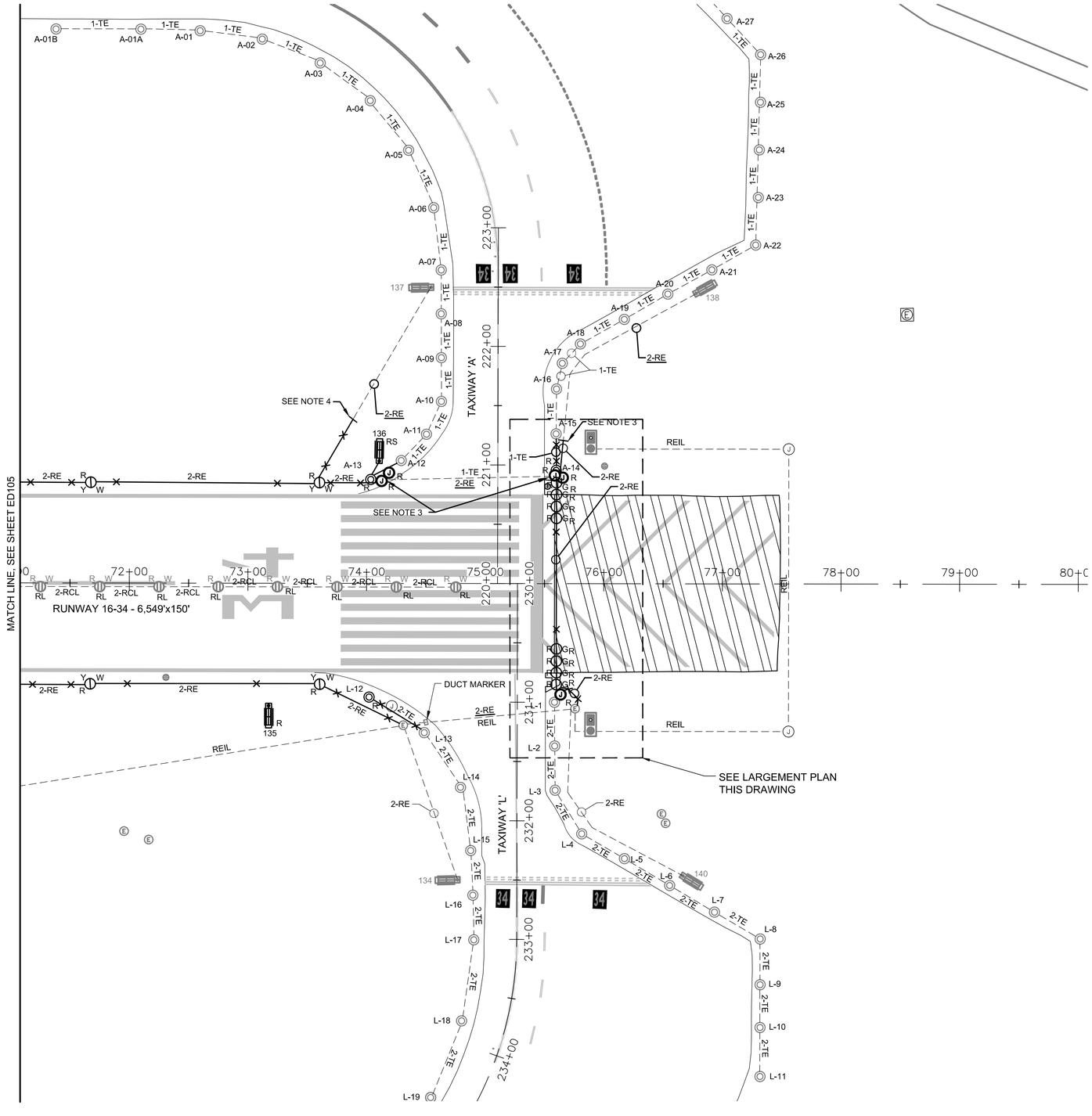
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

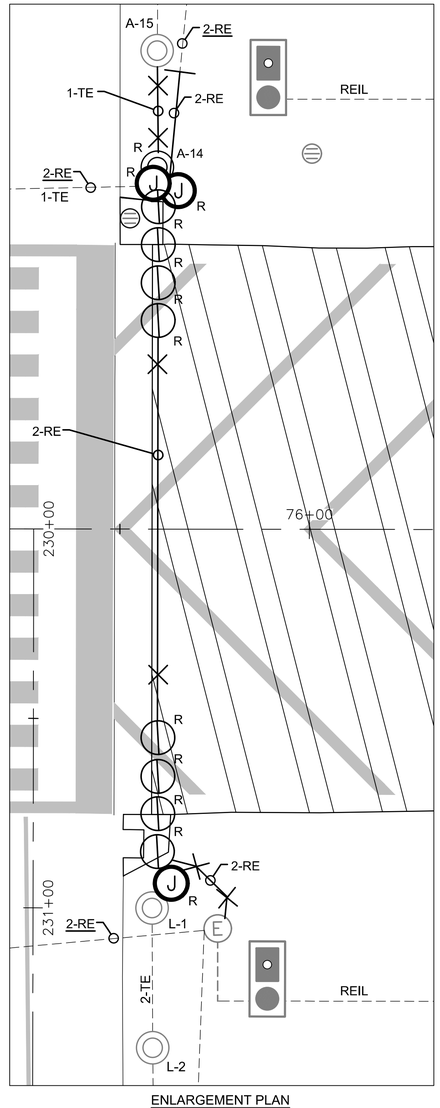
WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
ELECTRICAL DEMOLITION PLAN 5

CONTRACT NUMBER: 25-503	SHEET NUMBER: **ED105**
DWG NO.:	78 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-E-576-0	REV. NO. 0

FILE NAME: J:\2024f\2024-0267.01-Westchester_JKL_Rehab_RW16_34\10-Design\Drawings\WorkingDocuments\HPN\HPN-ED101_ED107-ELECTRICAL DEMOLITION PLANS.dwg LAYOUT NAME: 48-11-E-576-0 USER: jbernhardt PLOTTED: Friday, February 21, 2025 - 3:23pm





ENLARGEMENT PLAN
SCALE: 1"=20'

NOTES:

1. FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS, SEE SHEET EG101.
2. SEE CIVIL SHEETS FOR PHASING AND DEMOLITION INFORMATION.
3. CUT THE EXISTING RUNWAY EDGE LIGHT CONDUIT CROSSING AT TAXIWAY EDGE PAVEMENT. CAP THE CONDUIT, PROTECT AND PRESERVE FOR REUSE.
4. CUT THE CONDUIT OUTSIDE OF THE EXCAVATION AREA, CAP THE END AND PROTECT FOR REUSE.

NORTH

50' 25' 0 50' 100'
GRAPHIC SCALE

LEGEND:

- EXISTING COMM MANHOLE
- EXISTING ELECTRICAL MANHOLE
- EXISTING ELECTRICAL HANDHOLE
- EXISTING ELECTRICAL JUNCTION BOX
- EXISTING ELEVATED RUNWAY END/EDGE LIGHT
- EXISTING IN-PAVEMENT RUNWAY EDGE LIGHT
- EXISTING ELEVATED TAXIWAY EDGE LIGHT
- EXISTING IN-PAVEMENT RUNWAY CENTERLINE LIGHT
- EXISTING IN-PAVEMENT RUNWAY TDZ LIGHT
- EXISTING AIRFIELD GUIDANCE SIGN
- CATCHBASIN
- DRAINAGE MANHOLE
- EXISTING ELECTRICAL CONDUIT
- 2-RE — REMOVE EXISTING CABLING IN EXISTING CONDUIT. NUMERAL INDICATES THE NUMBER OF LIGHT CABLES. "RE" INDICATES CIRCUIT DESIGNATION.
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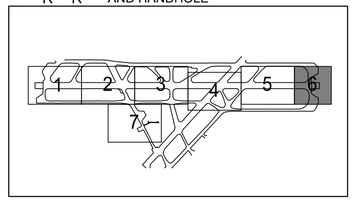
- RL — REMOVE IN-PAVEMENT RUNWAY CENTERLINE LIGHT FIXTURE AND TRANSFOMER. EXISTING LIGHT BASE TO REMAIN.
- RL, RL — REMOVE IN-PAVEMENT/ELEVATED RUNWAY EDGE LIGHT FIXTURE AND TRANSFORMER. EXISTING LIGHT BASE TO REMAIN.
- RL — REMOVE RUNWAY TDZ LIGHT FIXTURE AND TRANSFORMER. EXISTING LIGHT BASE TO REMAIN.
- R — REMOVE ELEVATED RUNWAY EDGE/END LIGHT AND ASSOCIATED EQUIPMENT.
- R — REMOVE AND STORE ELEVATED TAXIWAY EDGE LIGHT. REMOVE LIGHT BASE AND ASSOCIATED EQUIPMENT.
- R — REMOVE EXISTING AIRFIELD GUIDANCE SIGN AND FOUNDATION.
- RS — REMOVE AND STORE EXISTING AIRFIELD GUIDANCE SIGN. REMOVE EXISTING FOUNDATION.
- R — REMOVE EXISTING JUNCTION BOX
- R R — REMOVE EXISTING MANHOLE AND HANDHOLE



KEYMAP

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PHONE: 410-465-9600

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212.962.3503
www.burns-group.com

SEAL: STATE OF NEW YORK — MARIANO MONTOYA — LICENSED PROFESSIONAL ENGINEER — NO. 105154
Digitally signed by Mariano Montoya
Date: 2025.02.21 15:53:34-05'00'

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

BID DOCUMENTS

WESTCHESTER COUNTY AIRPORT

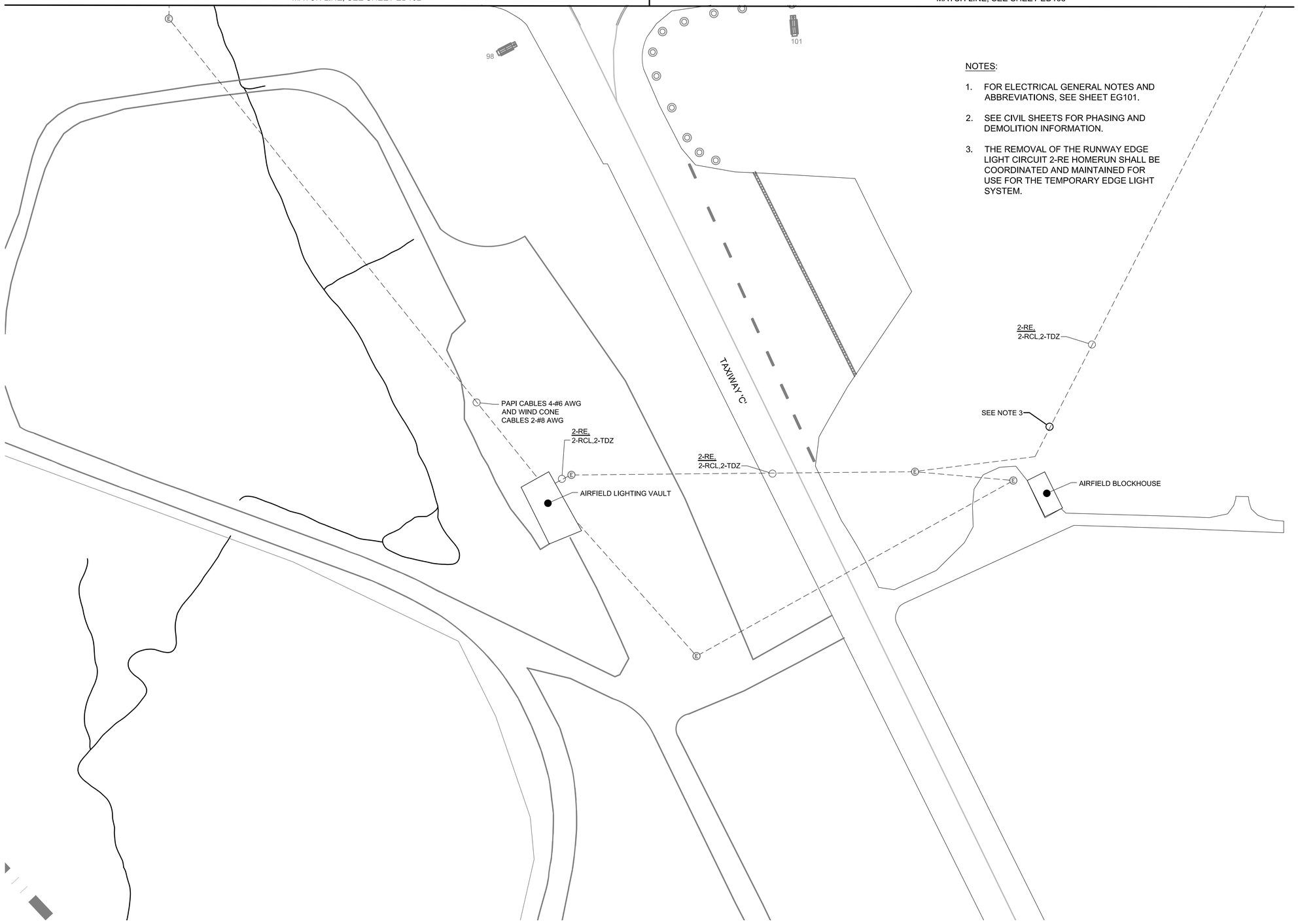
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
ELECTRICAL DEMOLITION PLAN 6

CONTRACT NUMBER:	SHEET NUMBER:
25-503	ED106
DWG NO.:	79 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-E-577-0	REV. NO. 0

FILE NAME: J:\2024f\2024-0267.01-Westchester_JKL_Rehab_RW16_34\10-Design\Drawings\WorkingDocuments\HPN\HPN-ED101_ED107-ELECTRICAL DEMOLITION PLANS.dwg LAYOUT NAME: 48-11-E-577-0 USER: jbernhardt PLOTTED: Friday, February 21, 2025 - 3:23pm

MATCH LINE, SEE SHEET ED102

MATCH LINE, SEE SHEET ED103



NOTES:

1. FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS, SEE SHEET EG101.
2. SEE CIVIL SHEETS FOR PHASING AND DEMOLITION INFORMATION.
3. THE REMOVAL OF THE RUNWAY EDGE LIGHT CIRCUIT 2-RE HOMERUN SHALL BE COORDINATED AND MAINTAINED FOR USE FOR THE TEMPORARY EDGE LIGHT SYSTEM.

NORTH

50' 25' 0 50' 100'

GRAPHIC SCALE

LEGEND:

- EXISTING COMM MANHOLE
- EXISTING ELECTRICAL MANHOLE
- EXISTING ELECTRICAL HANDHOLE
- EXISTING ELECTRICAL JUNCTION BOX
- EXISTING ELEVATED RUNWAY END/EDGE LIGHT
- EXISTING IN-PAVEMENT RUNWAY EDGE LIGHT
- EXISTING ELEVATED TAXIWAY EDGE LIGHT
- EXISTING IN-PAVEMENT RUNWAY CENTERLINE LIGHT
- EXISTING IN-PAVEMENT RUNWAY TDZ LIGHT
- EXISTING AIRFIELD GUIDANCE SIGN
- CATCHBASIN
- DRAINAGE MANHOLE
- EXISTING ELECTRICAL CONDUIT
- 2-RE — REMOVE EXISTING CABLING IN EXISTING CONDUIT. NUMERAL INDICATES THE NUMBER OF LIGHT CABLES. "RE" INDICATES CIRCUIT DESIGNATION.
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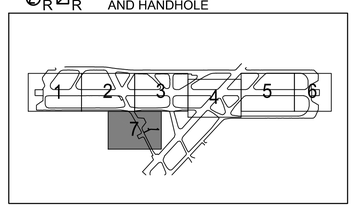
- RL RL — REMOVE IN-PAVEMENT/ELEVATED RUNWAY EDGE LIGHT FIXTURE AND TRANSFORMER. EXISTING LIGHT BASE TO REMAIN.
- RL — REMOVE RUNWAY TDZ LIGHT FIXTURE AND TRANSFORMER. EXISTING LIGHT BASE TO REMAIN.
- R — REMOVE ELEVATED RUNWAY EDGE/END LIGHT AND ASSOCIATED EQUIPMENT.
- R — REMOVE AND STORE ELEVATED TAXIWAY EDGE LIGHT. REMOVE LIGHT BASE AND ASSOCIATED EQUIPMENT.
- R — REMOVE EXISTING AIRFIELD GUIDANCE SIGN AND FOUNDATION.
- RS — REMOVE AND STORE EXISTING AIRFIELD GUIDANCE SIGN. REMOVE EXISTING FOUNDATION.
- R — REMOVE EXISTING JUNCTION BOX
- R R — REMOVE EXISTING MANHOLE AND HANDHOLE



KEYMAP

JKL
JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
307 SEVENTH AVENUE, ROOM 2302,
NEW YORK, NY 10001
PHONE: 410-465-9600

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www.burns-group.com

SEAL:

STATE OF NEW YORK — MARION MONTOYA — LICENSED PROFESSIONAL ENGINEER — NO. 105154

Digitally signed by Marion Montoya
Date: 2025.02.21 15:53:37-05'00'

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REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
ELECTRICAL DEMOLITION PLAN 7

CONTRACT NUMBER:	SHEET NUMBER:
25-503	ED107
DWG NO.:	80 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-E-578-0	0

FILE NAME: J:\2024f\2024-0267.01-Westchester_JKL_Rehab_RW16_34\10-Design\Drawings\WorkingDocuments\HPN\HPN-ED101_ED107-ELECTRICAL DEMOLITION PLANS.dwg LAYOUT NAME: 48-11-E-578-0 USER: jbernhardt PLOTTED: Friday, February 21, 2025 - 3:23pm

NOTES:

1. FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS, SEE SHEET EG101.
2. SEE CIVIL DRAWINGS FOR COORDINATION OF PAVEMENT LIMITS AND MARKINGS.
3. THE FOLLOWING INDICATES SIGN LEGEND COLORING.
   B/Y - BLACK LETTERING/YELLOW BACKGROUND
   Y/B - YELLOW LETTERING/BLACK BACKGROUND
   W/B - WHITE LETTERING/BLACK BACKGROUND
4. TDZ CONDUIT ABANDONED IN PLACE IS NOT SHOWN FOR CLARITY. REFER TO REMOVAL PLANS FOR LOCATIONS.

SIGN ID	NORTHING	EASTING	SIGN SIZE	FURNISH AND INSTALL / REINSTALL
9	816980.61	709557.57	2	REINSTALL
10	817510.90	709243.94	2	FURNISH AND INSTALL
160	817546.01	708979.19	2	FURNISH AND INSTALL

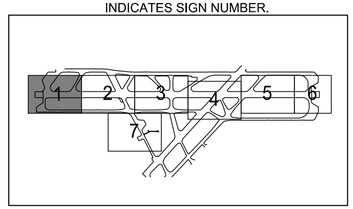
NORTH

50' 25' 0 50' 100'

GRAPHIC SCALE

LEGEND:

- EXISTING COMM MANHOLE
- EXISTING ELECTRICAL MANHOLE
- EXISTING ELECTRICAL HANDHOLE
- EXISTING ELECTRICAL JUNCTION BOX
- EXISTING ELEVATED RUNWAY END/EDGE LIGHT
- EXISTING IN-PAVEMENT RUNWAY EDGE LIGHT
- EXISTING ELEVATED TAXIWAY EDGE LIGHT
- EXISTING IN-PAVEMENT RUNWAY CENTERLINE LIGHT
- EXISTING IN-PAVEMENT RUNWAY TDZ LIGHT
- EXISTING AIRFIELD GUIDANCE SIGN
- CATCHBASIN
- DRAINAGE MANHOLE
- EXISTING ELECTRICAL CONDUIT
- [2-RE] NEW CABLING IN EXISTING CONDUIT. NUMERAL INDICATES THE NUMBER OF LIGHT CABLES. "RE" INDICATES CIRCUIT DESIGNATION.
- 2-RE NEW 2" CONDUIT CONCRETE ENCASED AND COUNTERPOISE CABLE. NUMERAL INDICATES THE NUMBER OF LIGHTING CABLES. "RE" INDICATES CIRCUIT DESIGNATION.
- IL NEW LED IN-PAVEMENT RUNWAY CENTERLINE LIGHT FIXTURE AND TRANSFORMER. EXISTING LIGHT BASE TO REMAIN.
- IL IL NEW LED IN-PAVEMENT/ELEVATED RUNWAY EDGE LIGHT FIXTURE AND TRANSFORMER. EXISTING LIGHT BASE TO REMAIN.
- IL NEW LED RUNWAY TDZ LIGHT FIXTURE AND TRANSFORMER. EXISTING LIGHT BASE TO REMAIN.
- (X) W Y N NEW LED ELEVATED R/W EDGE/END LIGHT AND ASSOCIATED EQUIPMENT. "W" "Y" INDICATES LENS COLOR. (X) INDICATES FIXTURE NUMBER.
- L-XX N RE-INSTALL ELEVATED TAXIWAY EDGE LIGHT. NEW LIGHT BASE AND ASSOCIATED EQUIPMENT. "XX" INDICATES FIXTURE NUMBER.
- 1 N NEW LED TAXIWAY GUIDANCE SIGNAGE ON NEW FOUNDATION. NUMERAL INDICATES SIGN NUMBER.
- 2 IS REINSTALL STORED TAXIWAY GUIDANCE SIGNAGE AND INTALL ON NEW FOUNDATION. NUMERAL INDICATES SIGN NUMBER.



KEYMAP

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SEAL: Digitally signed by Marlon Montoya, date: 2025.02.21 15:53:40-05'00'

BID DOCUMENTS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
ELECTRICAL NEW WORK PLAN 1

CONTRACT NUMBER:	SHEET NUMBER:
25-503	ES101
DWG NO.:	81 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-E-579-0	0

FILE NAME: J:\2024\2024-0267.01-Westchester_JKL_Rehab_RW16_34\10-Design\Drawings\WorkingDocuments\HPN\HPN-ES101_ES107-ELECTRICAL NEW WORK PLANS.dwg LAYOUT NAME: 48-11-E-579-0 USER: jbernhardt PLOTTED: Friday, February 21, 2025 - 3:23pm

NOTES:

1. FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS, SEE SHEET EG101.
2. SEE CIVIL DRAWINGS FOR COORDINATION OF PAVEMENT LIMITS AND MARKINGS.
3. THE FOLLOWING INDICATES SIGN LEGEND COLORING.
   B/Y - BLACK LETTERING/YELLOW BACKGROUND
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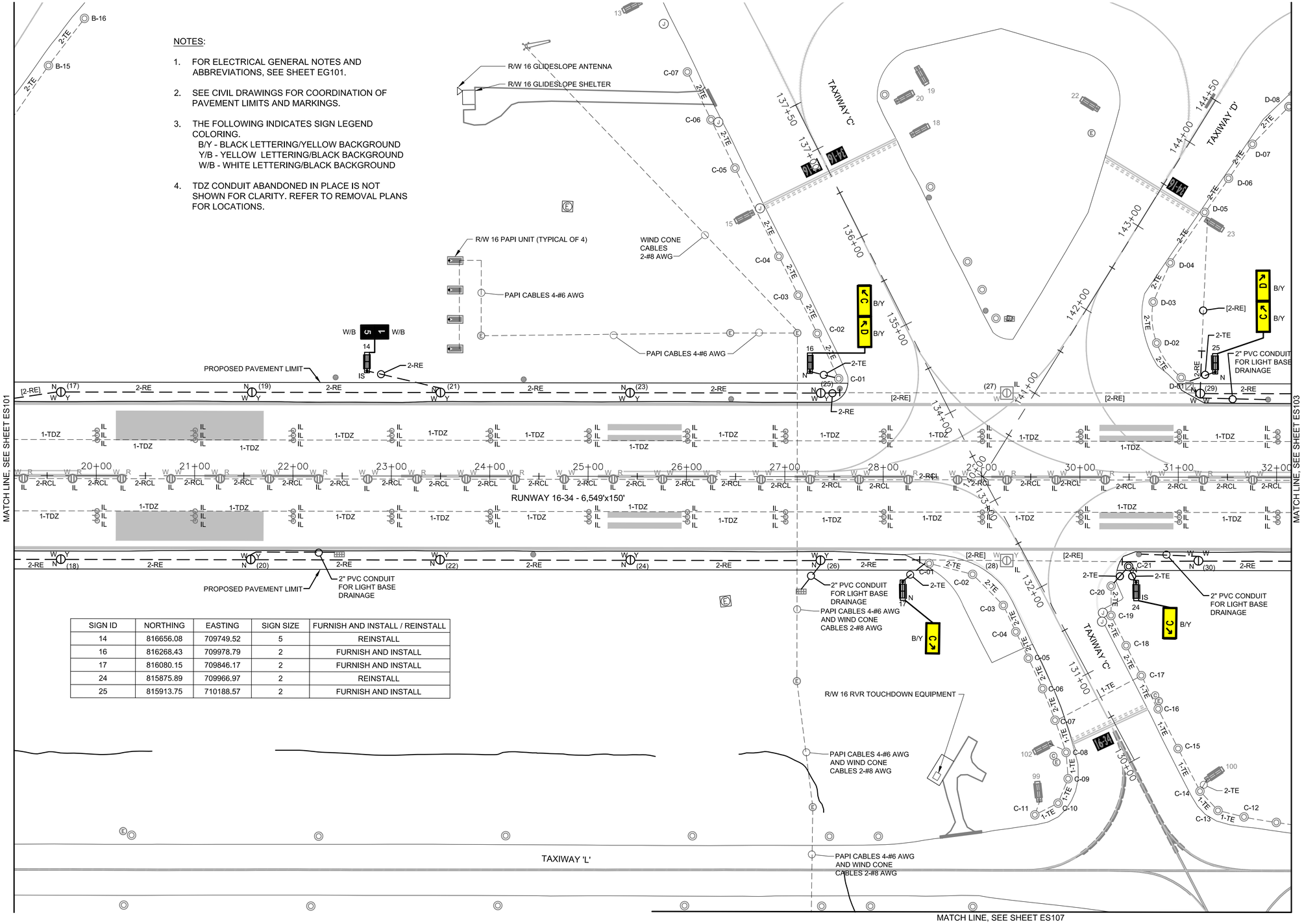
   W/B - WHITE LETTERING/BLACK BACKGROUND
4. TDZ CONDUIT ABANDONED IN PLACE IS NOT SHOWN FOR CLARITY. REFER TO REMOVAL PLANS FOR LOCATIONS.



SIGN ID	NORTHING	EASTING	SIGN SIZE	FURNISH AND INSTALL / REINSTALL
14	816656.08	709749.52	5	REINSTALL
16	816268.43	709978.79	2	FURNISH AND INSTALL
17	816080.15	709846.17	2	FURNISH AND INSTALL
24	815875.89	709966.97	2	REINSTALL
25	815913.75	710188.57	2	FURNISH AND INSTALL

NORTH

50' 25' 0 50' 100'
GRAPHIC SCALE

LEGEND:

- EXISTING COMM MANHOLE
- EXISTING ELECTRICAL MANHOLE
- EXISTING ELECTRICAL HANDHOLE
- EXISTING ELECTRICAL JUNCTION BOX
- EXISTING ELEVATED RUNWAY END/EDGE LIGHT
- EXISTING IN-PAVEMENT RUNWAY EDGE LIGHT
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- EXISTING ELECTRICAL CONDUIT
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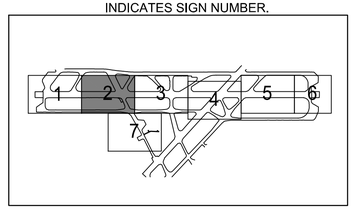
- IL NEW LED IN-PAVEMENT RUNWAY CENTERLINE LIGHT FIXTURE AND TRANSFORMER. EXISTING LIGHT BASE TO REMAIN.
- IL , IL NEW LED IN-PAVEMENT/ELEVATED RUNWAY EDGE LIGHT FIXTURE AND TRANSFORMER. EXISTING LIGHT BASE TO REMAIN.
- IL NEW LED RUNWAY TDZ LIGHT FIXTURE AND TRANSFORMER. EXISTING LIGHT BASE TO REMAIN.
- W Y (X) N NEW LED ELEVATED R/W EDGE/END LIGHT AND ASSOCIATED EQUIPMENT. "W" "Y" INDICATES LENS COLOR. (X) INDICATES FIXTURE NUMBER.
- L-XX N RE-INSTALL ELEVATED TAXIWAY EDGE LIGHT. NEW LIGHT BASE AND ASSOCIATED EQUIPMENT. "XX" INDICATES FIXTURE NUMBER.
- 1 N NEW LED TAXIWAY GUIDANCE SIGNAGE ON NEW FOUNDATION. NUMERAL INDICATES SIGN NUMBER.
- 2 IS REINSTALL STORED TAXIWAY GUIDANCE SIGNAGE AND INTALL ON NEW FOUNDATION. NUMERAL INDICATES SIGN NUMBER.



KEYMAP

JKL
JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
307 SEVENTH AVENUE, ROOM 2302,
NEW YORK, NY 10001
PHONE: 410-465-9600

Burns
1261 BROADWAY, SUITE 708
NEW YORK, NY 10001
212.962.3503
www.burns-group.com

SEAL: STATE OF NEW YORK — MARIAN MONTOYA — LICENSED PROFESSIONAL ENGINEER — NO. 105134 — Digitally signed by Marian Montoya Date: 2025.02.21 15:53:44-05'00'

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

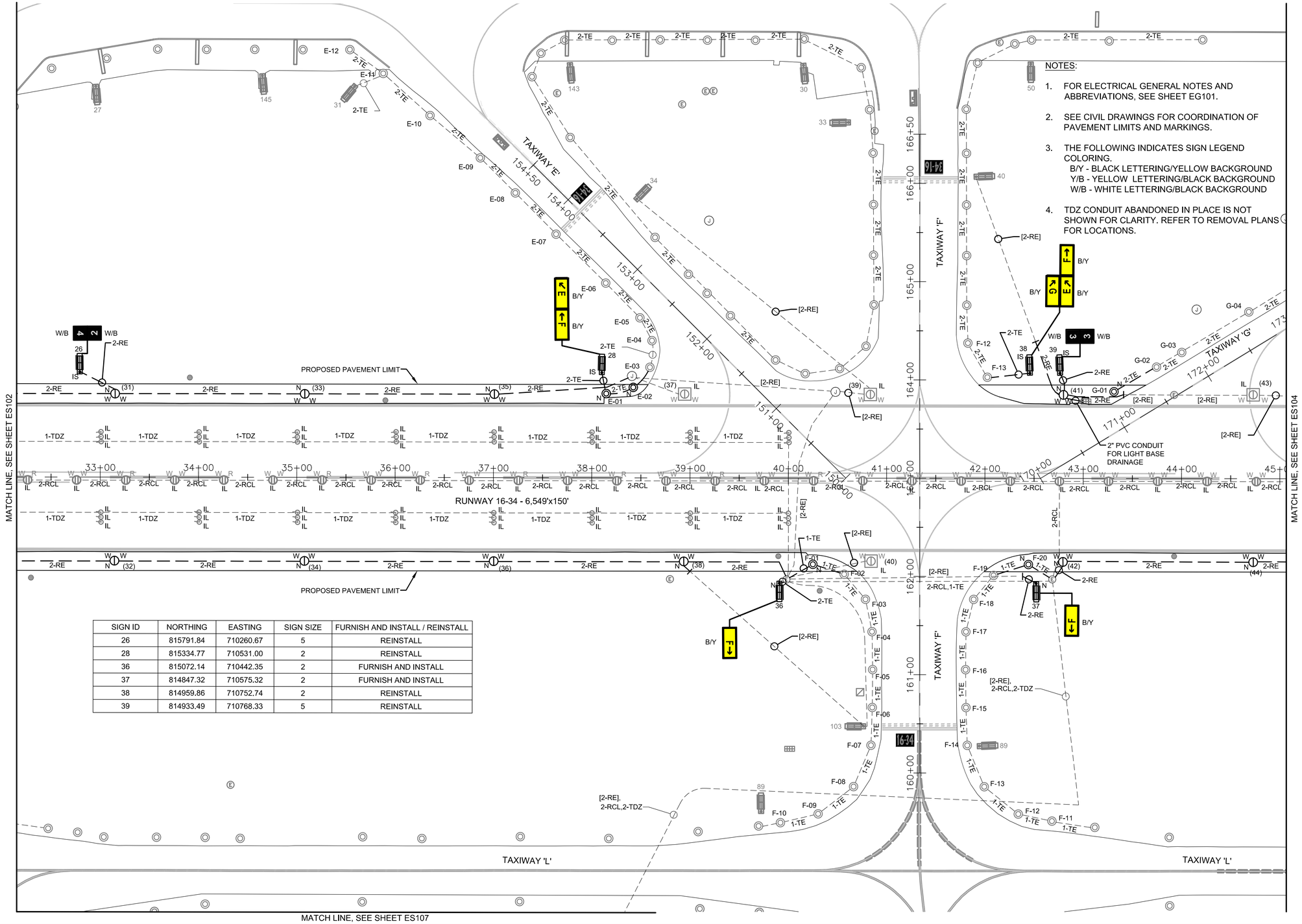
BID DOCUMENTS

WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
ELECTRICAL NEW WORK PLAN 2

CONTRACT NUMBER:	SHEET NUMBER:
25-503	ES102
DWG NO.:	82 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-E-580-0	REV. NO. 0

FILE NAME: J:\2024f\2024-0267.01-Westchester_JKL_Rehab_RW16_34\10-Design\Drawings\WorkingDocuments\HPN\HPN-ES101_ES107-ELECTRICAL NEW WORK PLANS.dwg LAYOUT NAME: 48-11-E-580-0 USER: jbernhardt PLOTTED: Friday, February 21, 2025 - 3:23pm



SIGN ID	NORTHING	EASTING	SIGN SIZE	FURNISH AND INSTALL / REINSTALL
26	815791.84	710260.67	5	REINSTALL
28	815334.77	710531.00	2	REINSTALL
36	815072.14	710442.35	2	FURNISH AND INSTALL
37	814847.32	710575.32	2	FURNISH AND INSTALL
38	814959.86	710752.74	2	REINSTALL
39	814933.49	710768.33	5	REINSTALL

NOTES:

1. FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS, SEE SHEET EG101.
2. SEE CIVIL DRAWINGS FOR COORDINATION OF PAVEMENT LIMITS AND MARKINGS.
3. THE FOLLOWING INDICATES SIGN LEGEND COLORING.
   B/Y - BLACK LETTERING/YELLOW BACKGROUND
   Y/B - YELLOW LETTERING/BLACK BACKGROUND
   W/B - WHITE LETTERING/BLACK BACKGROUND
4. TDZ CONDUIT ABANDONED IN PLACE IS NOT SHOWN FOR CLARITY. REFER TO REMOVAL PLANS FOR LOCATIONS.

NORTH

50' 25' 0 50' 100'

GRAPHIC SCALE

LEGEND:

- EXISTING COMM MANHOLE
- EXISTING ELECTRICAL MANHOLE
- EXISTING ELECTRICAL HANDHOLE
- EXISTING ELECTRICAL JUNCTION BOX
- EXISTING ELEVATED RUNWAY END/EDGE LIGHT
- EXISTING IN-PAVEMENT RUNWAY EDGE LIGHT
- EXISTING ELEVATED TAXIWAY EDGE LIGHT
- EXISTING IN-PAVEMENT RUNWAY CENTERLINE LIGHT
- EXISTING IN-PAVEMENT RUNWAY TDZ LIGHT
- EXISTING AIRFIELD GUIDANCE SIGN
- CATCHBASIN
- DRAINAGE MANHOLE
- EXISTING ELECTRICAL CONDUIT
- [2-RE] NEW CABLING IN EXISTING CONDUIT. NUMERAL INDICATES THE NUMBER OF LIGHT CABLES. "RE" INDICATES CIRCUIT DESIGNATION.
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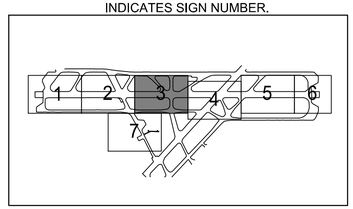

KEYMAP

JKL
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NEW YORK, NY 10001
PHONE: 410-465-9600

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NEW YORK, NY 10001
212.962.3503
www.burns-group.com

SEAL:

STATE OF NEW YORK — MARIA L. MONTOYA — LICENSED PROFESSIONAL ENGINEER — NO. 105154

Digitally signed by Maria L. Montoya
Date: 2025.02.21

BID DOCUMENTS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
ELECTRICAL NEW WORK PLAN 3

CONTRACT NUMBER:	SHEET NUMBER:
25-503	ES103
DWG NO.:	83 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-E-581-0	REV. NO. 0

FILE NAME: J:\2024\2024-0267.01-Westchester_JKL_Rehab_RW16_34\10-Design\Drawings\WorkingDocuments\HPN\HPN-ES101_ES107-ELECTRICAL NEW WORK PLANS.dwg LAYOUT NAME: 48-11-E-581-0 USER: jbernhardt PLOTTED: Friday, February 21, 2025 - 3:23pm

NOTES:

1. FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS, SEE SHEET EG101.
2. SEE CIVIL DRAWINGS FOR COORDINATION OF PAVEMENT LIMITS AND MARKINGS.
3. THE FOLLOWING INDICATES SIGN LEGEND COLORING.
   B/Y - BLACK LETTERING/YELLOW BACKGROUND
   Y/B - YELLOW LETTERING/BLACK BACKGROUND
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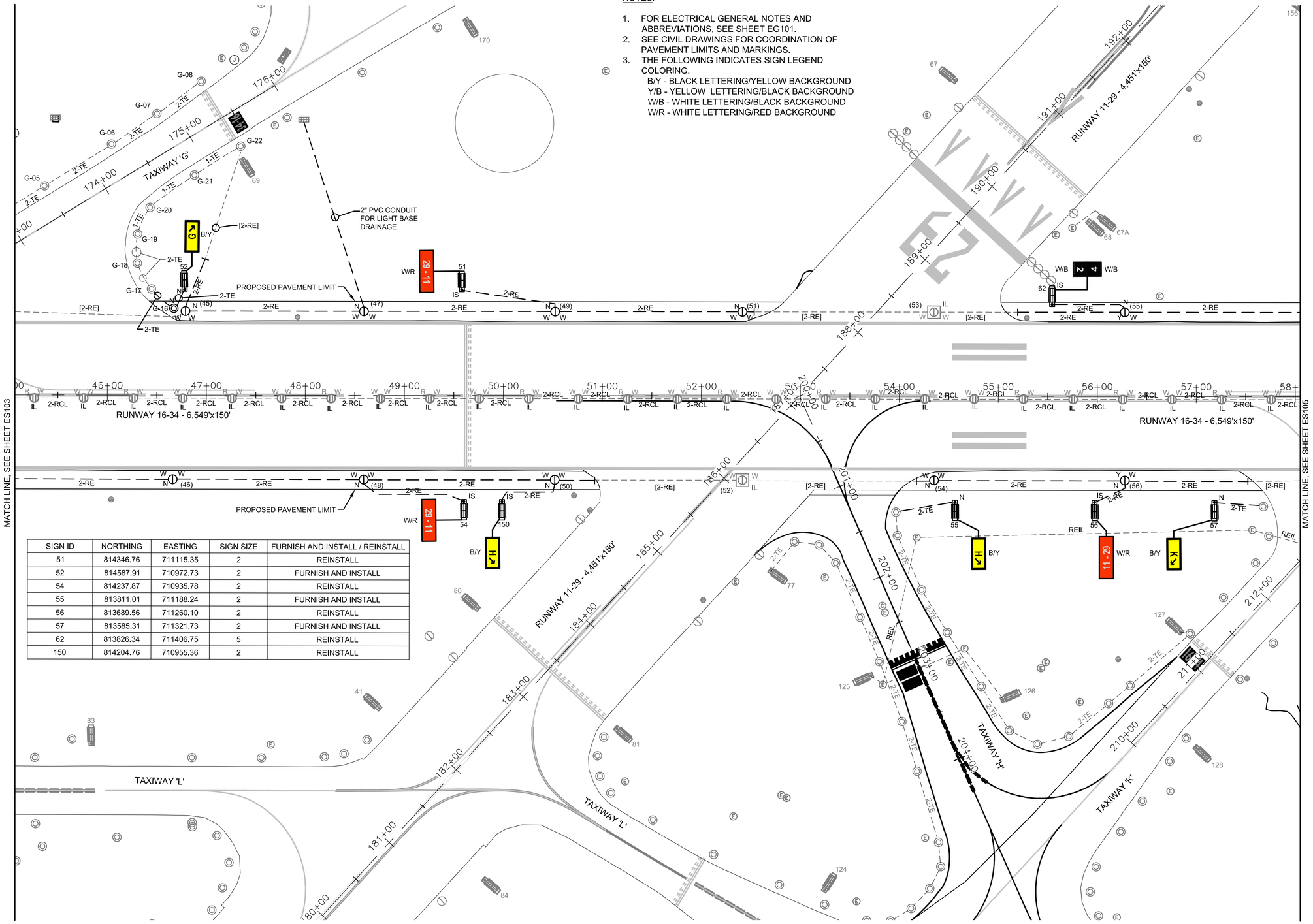
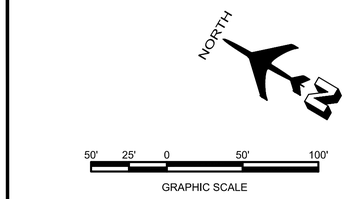
   W/R - WHITE LETTERING/RED BACKGROUND



SIGN ID	NORTHING	EASTING	SIGN SIZE	FURNISH AND INSTALL / REINSTALL
51	814346.76	711115.35	2	REINSTALL
52	814587.91	710972.73	2	FURNISH AND INSTALL
54	814237.87	710935.78	2	REINSTALL
55	813811.01	711188.24	2	FURNISH AND INSTALL
56	813689.56	711260.10	2	REINSTALL
57	813585.31	711321.73	2	FURNISH AND INSTALL
62	813826.34	711406.75	5	REINSTALL
150	814204.76	710955.36	2	REINSTALL



LEGEND:

- EXISTING COMM MANHOLE
- EXISTING ELECTRICAL MANHOLE
- EXISTING ELECTRICAL HANDHOLE
- EXISTING ELECTRICAL JUNCTION BOX
- EXISTING ELEVATED RUNWAY END/EDGE LIGHT
- EXISTING IN-PAVEMENT RUNWAY EDGE LIGHT
- EXISTING ELEVATED TAXIWAY EDGE LIGHT
- EXISTING IN-PAVEMENT RUNWAY CENTERLINE LIGHT
- EXISTING IN-PAVEMENT RUNWAY TDZ LIGHT
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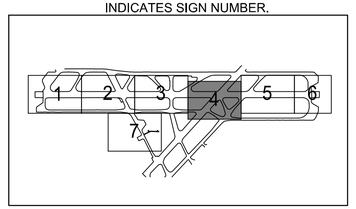

KEYMAP

JKL
JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
307 SEVENTH AVENUE, ROOM 2302,
NEW YORK, NY 10001
PHONE: 410-465-9600

Burns
1261 BROADWAY, SUITE 708
NEW YORK, NY 10001
212.962.3503
www.burns-group.com

SEAL: STATE OF NEW YORK — MANUEL MONTOYA — NO. 105154 — LICENSED PROFESSIONAL ENGINEER
Manuel Montoya Digitally signed by Manuel Montoya Date: 2025.02.21 16:53:51-05'00'

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

BID DOCUMENTS

WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
ELECTRICAL NEW WORK PLAN 4

CONTRACT NUMBER:	SHEET NUMBER:
25-503	ES104
DWG NO.:	84 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-E-582-0	0

FILE NAME: J:\2024f\2024-0267.01-Westchester_JKL_Rehab_RW16_34\10-Design\Drawings\WorkingDocuments\HPN\HPN-ES101_ES107-ELECTRICAL NEW WORK PLANS.dwg LAYOUT NAME: 48-11-E-582-0 USER: jbernhardt PLOTTED: Friday, February 21, 2025 - 3:23pm

NOTES:

1. FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS, SEE SHEET EG101.
2. SEE CIVIL DRAWINGS FOR COORDINATION OF PAVEMENT LIMITS AND MARKINGS.
3. SEE CIVIL DRAWINGS FOR TAXIWAY H PAVEMENT WORK SCOPE. (ADD ALTERNATE)
4. THE EXISTING SIGN IS MANUFACTURED BY LUMACURVE. MODIFY THE EXISTING SIGN , BY REMOVING THE TAXIWAY H LEGEND AND SIGN MODULE TO REDUCE THE OVERALL SIGN LENGTH. MAINTAIN THE OTHER SIGN LEGENDS POSITIONS. REINSTALL THE SIGN ON THE EXISTING FOUNDATION AND RECONNECT THE SIGN TO THE EXISTING TRANSFORMER. (ADD ALTERNATE)
5. FURNISH AND INSTALL SIGN AND TRANSFORMER WITH REVISED LEGEND AS INDICATED ON THE EXISTING FOUNDATION. (ADD ALTERNATE)
6. THE FOLLOWING INDICATES SIGN LEGEND COLORING.
   B/Y - BLACK LETTERING/YELLOW BACKGROUND
   Y/B - YELLOW LETTERING/BLACK BACKGROUND
   W/B - WHITE LETTERING/BLACK BACKGROUND
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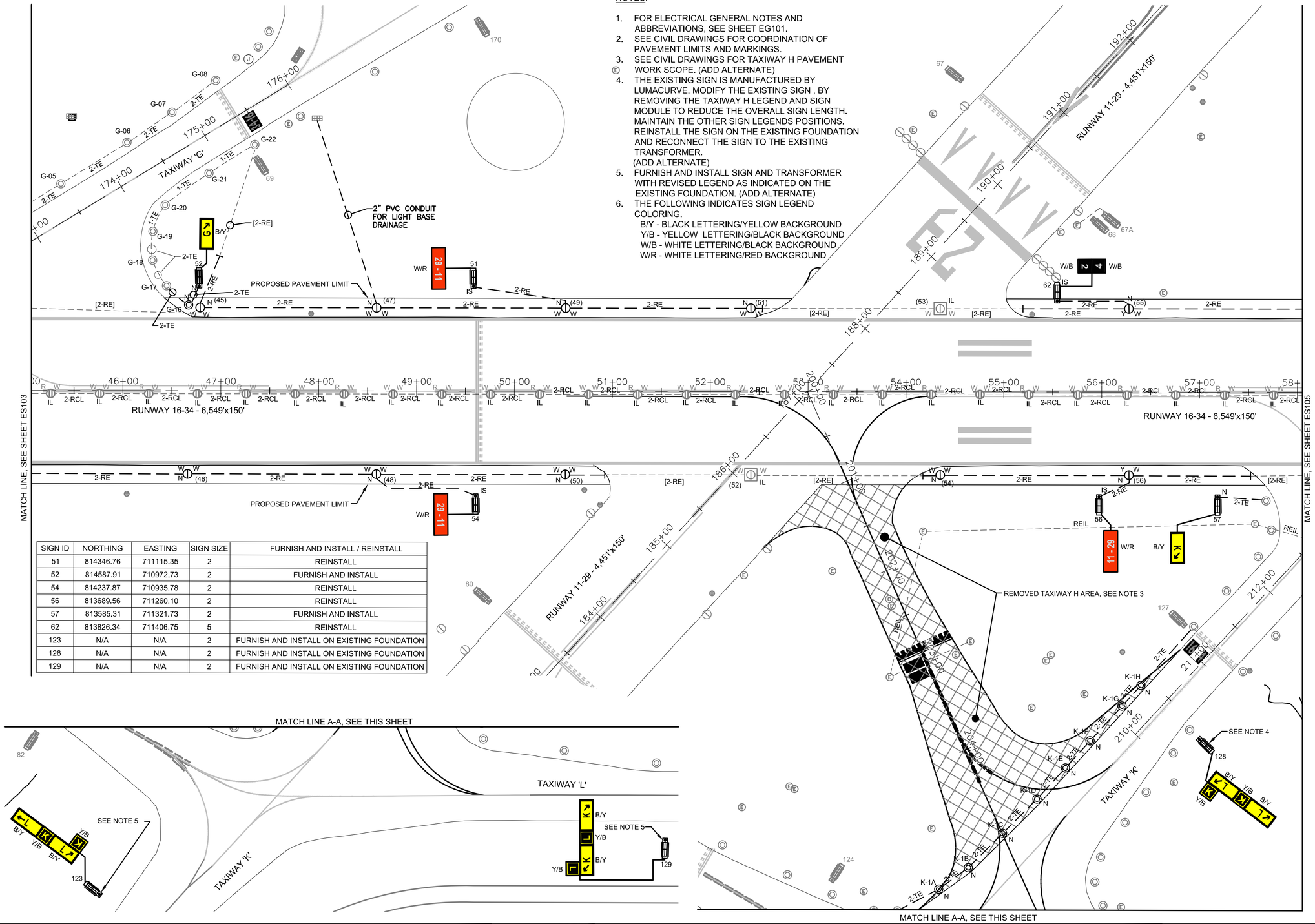

SIGN ID	NORTHING	EASTING	SIGN SIZE	FURNISH AND INSTALL / REINSTALL
51	814346.76	711115.35	2	REINSTALL
52	814587.91	710972.73	2	FURNISH AND INSTALL
54	814237.87	710935.78	2	REINSTALL
56	813689.56	711260.10	2	REINSTALL
57	813585.31	711321.73	2	FURNISH AND INSTALL
62	813826.34	711406.75	5	REINSTALL
123	N/A	N/A	2	FURNISH AND INSTALL ON EXISTING FOUNDATION
128	N/A	N/A	2	FURNISH AND INSTALL ON EXISTING FOUNDATION
129	N/A	N/A	2	FURNISH AND INSTALL ON EXISTING FOUNDATION

NORTH

50' 25' 0 50' 100'

GRAPHIC SCALE

LEGEND:

- EXISTING COMM MANHOLE
- EXISTING ELECTRICAL MANHOLE
- EXISTING ELECTRICAL HANDHOLE
- EXISTING ELECTRICAL JUNCTION BOX
- EXISTING ELEVATED RUNWAY END/EDGE LIGHT
- EXISTING IN-PAVEMENT RUNWAY EDGE LIGHT
- EXISTING ELEVATED TAXIWAY EDGE LIGHT
- EXISTING IN-PAVEMENT RUNWAY CENTERLINE LIGHT
- EXISTING IN-PAVEMENT RUNWAY TDZ LIGHT
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- CATCHBASIN
- DRAINAGE MANHOLE
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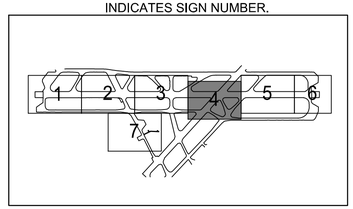


KEYMAP

JKL
JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
307 SEVENTH AVENUE, ROOM 2302,
NEW YORK, NY 10001
PHONE: 410-465-9600

Burns
1261 BROADWAY, SUITE 708
NEW YORK, NY 10001
212.962.3503
www.burns-group.com

SEAL:
STATE OF NEW YORK MARIANO MONTOYA 105154 LICENSED PROFESSIONAL ENGINEER
Digitally signed by Mariano Montoya
Date: 2025.02.21 15:53:55-05'00'

BID DOCUMENTS

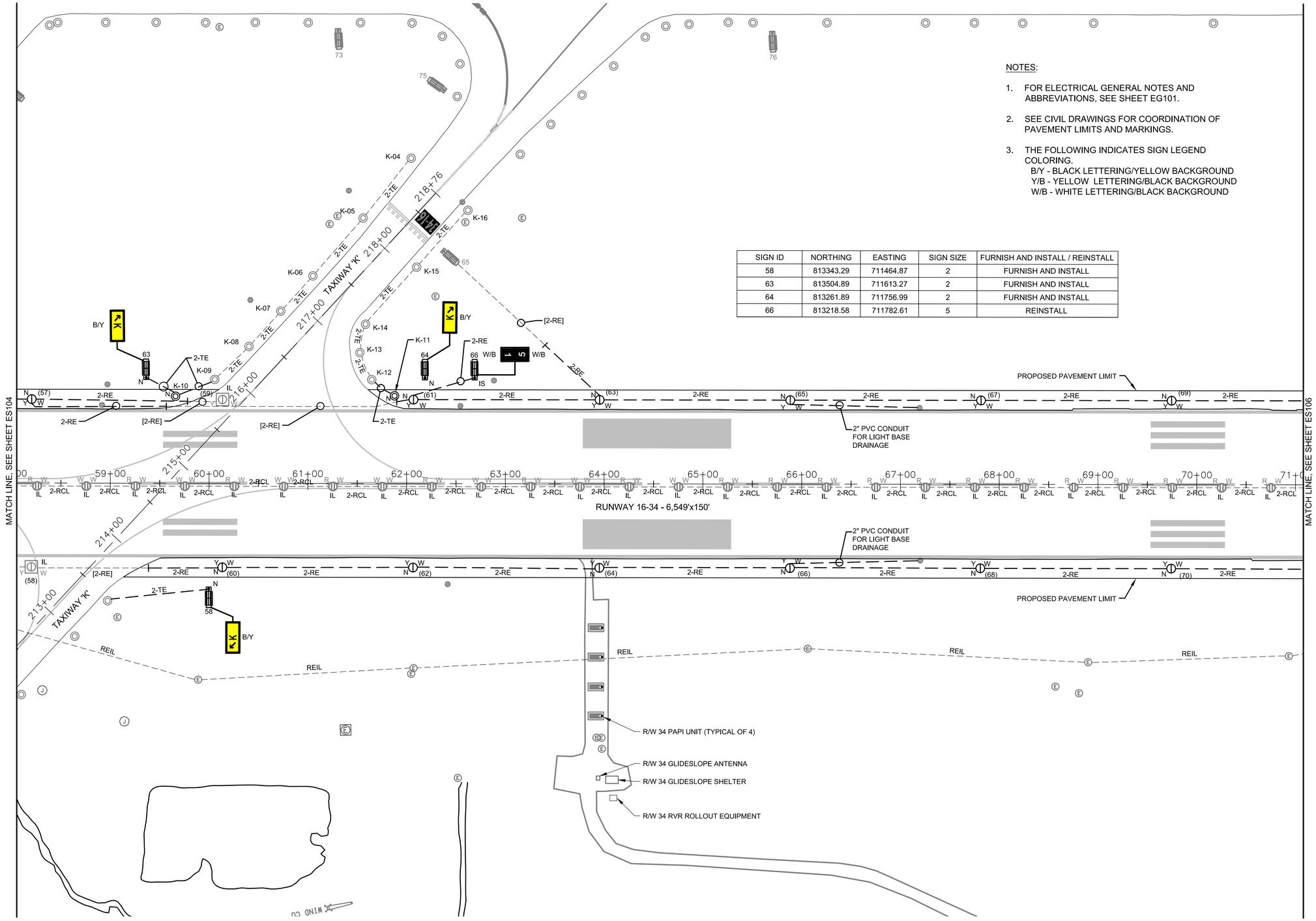
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
ELECTRICAL NEW WORK PLAN 4A (ADD ALTERNATE)

CONTRACT NUMBER:	SHEET NUMBER:
25-503	ES104A
DWG NO.:	85 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-E-583-0	REV. NO. 0

FILE NAME: J:\2024f\2024-0267.01-Westchester_JKL_Rehab_RW16_34\10-Design\Drawings\WorkingDocuments\HPN\HPN-ES104A-ELECTRICAL NEW WORK PLAN.dwg LAYOUT NAME: 48-11-E-583-0 USER: jbernhardt PLOTTED: Friday, February 21, 2025 - 3:24pm



NOTES:

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SIGN ID	NORTHING	EASTING	SIGN SIZE	FURNISH AND INSTALL / REINSTALL
58	813343.29	711464.87	2	FURNISH AND INSTALL
63	813504.89	711613.27	2	FURNISH AND INSTALL
64	813261.89	711756.99	2	FURNISH AND INSTALL
66	813218.58	711782.61	5	REINSTALL

LEGEND:

- EXISTING COMM MANHOLE
- EXISTING ELECTRICAL MANHOLE
- EXISTING ELECTRICAL HANDHOLE
- EXISTING ELECTRICAL JUNCTION BOX
- EXISTING ELEVATED RUNWAY END/EDGE LIGHT
- EXISTING IN-PAVEMENT RUNWAY EDGE LIGHT
- EXISTING ELEVATED TAXIWAY EDGE LIGHT
- EXISTING IN-PAVEMENT RUNWAY CENTERLINE LIGHT
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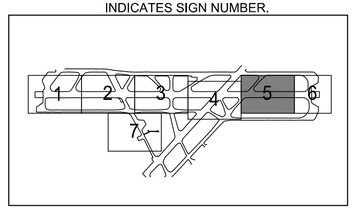

KEYMAP

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NEW YORK, NY 10001
PHONE: 410-465-9600

Burns
1261 BROADWAY, SUITE 708
NEW YORK, NY 10001
212.962.3503
www.burns-group.com

SEAL: STATE OF NEW YORK — Marion Mombiya — LICENSED PROFESSIONAL ENGINEER — NO. 105154 — Digitally signed by Marion Mombiya Date: 2025.02.21 15:53:58-05'00'

BID DOCUMENTS

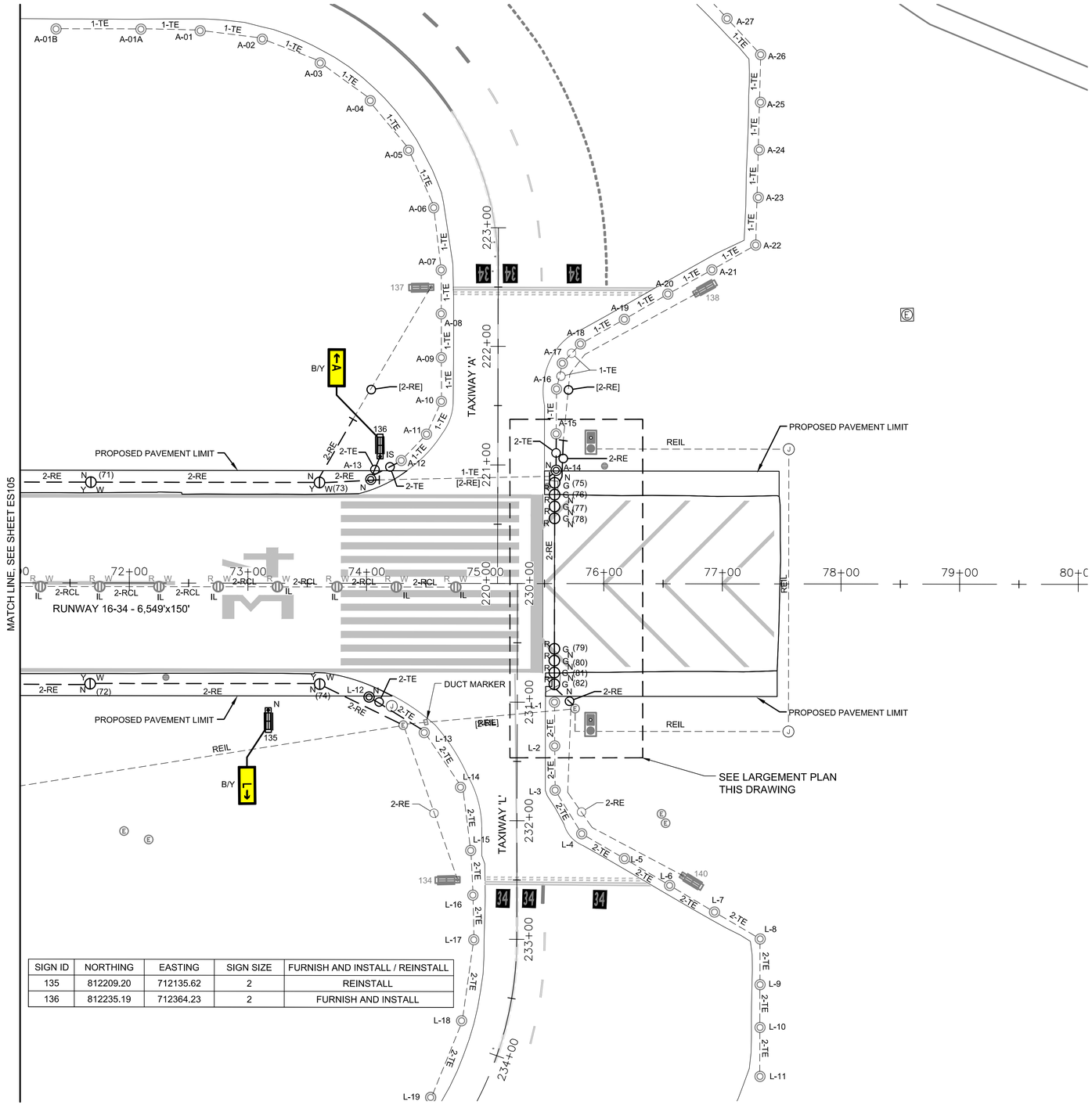
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

WESTCHESTER COUNTY AIRPORT

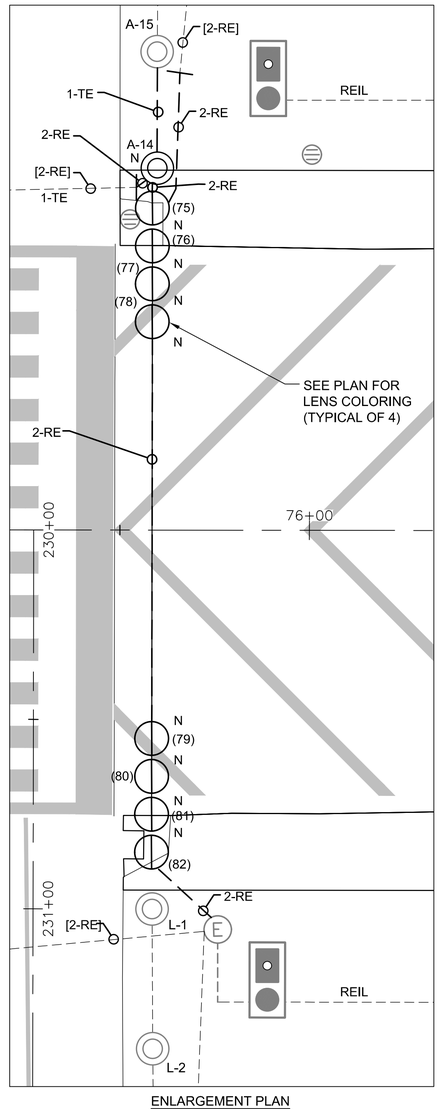
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
ELECTRICAL NEW WORK PLAN 5

CONTRACT NUMBER:	SHEET NUMBER:
25-503	ES105
DWG NO.:	86 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-E-584-0	0

FILE NAME: J:\2024f\2024-0267.01-Westchester_JKL_Rehab_RW16_34\10-Design\Drawings\WorkingDocuments\HPN\HPN-ES101_ES107-ELECTRICAL NEW WORK PLANS.dwg LAYOUT NAME: 48-11-E-584-0 USER: jbernhardt PLOTTED: Friday, February 21, 2025 - 3:24pm



SIGN ID	NORTHING	EASTING	SIGN SIZE	FURNISH AND INSTALL / REINSTALL
135	812209.20	712135.62	2	REINSTALL
136	812235.19	712364.23	2	FURNISH AND INSTALL



ENLARGEMENT PLAN
SCALE: 1"=20'

NOTES:

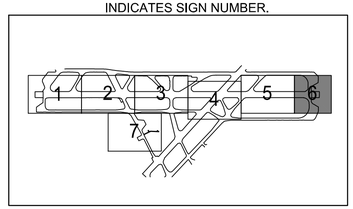
1. FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS, SEE SHEET EG101.
2. SEE CIVIL DRAWINGS FOR COORDINATION OF PAVEMENT LIMITS AND MARKINGS.
3. THE FOLLOWING INDICATES SIGN LEGEND COLORING.
   B/Y - BLACK LETTERING/YELLOW BACKGROUND
   Y/B - YELLOW LETTERING/BLACK BACKGROUND
   W/B - WHITE LETTERING/BLACK BACKGROUND

NORTH

50' 25' 0 50' 100'
GRAPHIC SCALE

LEGEND:

- EXISTING COMM MANHOLE
- EXISTING ELECTRICAL MANHOLE
- EXISTING ELECTRICAL HANDHOLE
- EXISTING ELECTRICAL JUNCTION BOX
- EXISTING ELEVATED RUNWAY END/EDGE LIGHT
- EXISTING IN-PAVEMENT RUNWAY EDGE LIGHT
- EXISTING ELEVATED TAXIWAY EDGE LIGHT
- EXISTING IN-PAVEMENT RUNWAY CENTERLINE LIGHT
- EXISTING IN-PAVEMENT RUNWAY TDZ LIGHT
- EXISTING AIRFIELD GUIDANCE SIGN
- CATCHBASIN
- DRAINAGE MANHOLE
- EXISTING ELECTRICAL CONDUIT
- [2-RE] NEW CABLING IN EXISTING CONDUIT. NUMERAL INDICATES THE NUMBER OF LIGHT CABLES. "RE" INDICATES CIRCUIT DESIGNATION.
- 2-RE NEW 2" CONDUIT CONCRETE ENCASED AND COUNTERPOISE CABLE. NUMERAL INDICATES THE NUMBER OF LIGHTING CABLES. "RE" INDICATES CIRCUIT DESIGNATION.
- IL NEW LED IN-PAVEMENT RUNWAY CENTERLINE LIGHT FIXTURE AND TRANSFORMER. EXISTING LIGHT BASE TO REMAIN.
- IL , IL NEW LED IN-PAVEMENT/ELEVATED RUNWAY EDGE LIGHT FIXTURE AND TRANSFORMER. EXISTING LIGHT BASE TO REMAIN.
- IL NEW LED RUNWAY TDZ LIGHT FIXTURE AND TRANSFORMER. EXISTING LIGHT BASE TO REMAIN.
- W Y (X) N NEW LED ELEVATED R/W EDGE/END LIGHT AND ASSOCIATED EQUIPMENT. "W" "Y" INDICATES LENS COLOR. (X) INDICATES FIXTURE NUMBER.
- L-XX N RE-INSTALL ELEVATED TAXIWAY EDGE LIGHT. NEW LIGHT BASE AND ASSOCIATED EQUIPMENT. "XX" INDICATES FIXTURE NUMBER.
- 1 N NEW LED TAXIWAY GUIDANCE SIGNAGE ON NEW FOUNDATION. NUMERAL INDICATES SIGN NUMBER.
- 2 IS REINSTALL STORED TAXIWAY GUIDANCE SIGNAGE AND INTALL ON NEW FOUNDATION. NUMERAL INDICATES SIGN NUMBER.



KEYMAP

JKL
JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
307 SEVENTH AVENUE, ROOM 2302,
NEW YORK, NY 10001
PHONE: 410-465-9600

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SEAL: STATE OF NEW YORK MARIANO MONTOYA 105154 LICENSED PROFESSIONAL ENGINEER
Digitally signed by Mariano Montoya
Date: 2025.02.21 15:54:02-05'00'

BID DOCUMENTS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
ELECTRICAL NEW WORK PLAN 6

CONTRACT NUMBER:	SHEET NUMBER:
25-503	ES106
DWG NO.: 87 of 99	
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-E-585-0	REV. NO. 0

FILE NAME: J:\2024\2024-0267.01-Westchester_JKL_Rehab_RW16_34\10-Design\Drawings\WorkingDocuments\HPN\HPN-ES101_ES107-ELECTRICAL NEW WORK PLANS.dwg LAYOUT NAME: 48-11-E-585-0 USER: jbernhardt PLOTTED: Friday, February 21, 2025 - 3:24pm

MATCH LINE, SEE SHEET ES102

MATCH LINE, SEE SHEET ES103

98

101

NOTES:

1. FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS, SEE SHEET EG101.
2. SEE CIVIL DRAWINGS FOR COORDINATION OF PAVEMENT LIMITS AND MARKINGS.

TAXIWAY 'C'

PAPI CABLES 4-#6 AWG AND WIND CONE CABLES 2-#8 AWG

[2-RE], 2-RCL,2-TDZ

[2-RE], 2-RCL,2-TDZ

[2-RE], 2-RCL,2-TDZ

AIRFIELD LIGHTING VAULT

AIRFIELD BLOCKHOUSE

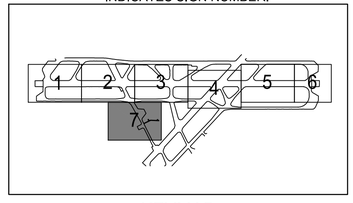
NORTH

50' 25' 0 50' 100'

GRAPHIC SCALE

LEGEND:

- EXISTING COMM MANHOLE
- EXISTING ELECTRICAL MANHOLE
- EXISTING ELECTRICAL HANDHOLE
- EXISTING ELECTRICAL JUNCTION BOX
- EXISTING ELEVATED RUNWAY END/EDGE LIGHT
- EXISTING IN-PAVEMENT RUNWAY EDGE LIGHT
- EXISTING ELEVATED TAXIWAY EDGE LIGHT
- EXISTING IN-PAVEMENT RUNWAY CENTERLINE LIGHT
- EXISTING IN-PAVEMENT RUNWAY TDZ LIGHT
- EXISTING AIRFIELD GUIDANCE SIGN
- CATCHBASIN
- DRAINAGE MANHOLE
- EXISTING ELECTRICAL CONDUIT
- [2-RE] NEW CABLING IN EXISTING CONDUIT. NUMERAL INDICATES THE NUMBER OF LIGHT CABLES. "RE" INDICATES CIRCUIT DESIGNATION.
- 2-RE NEW 2" CONDUIT CONCRETE ENCASED AND COUNTERPOISE CABLE. NUMERAL INDICATES THE NUMBER OF LIGHTING CABLES. "RE" INDICATES CIRCUIT DESIGNATION.
- IL NEW LED IN-PAVEMENT RUNWAY CENTERLINE LIGHT FIXTURE AND TRANSFORMER. EXISTING LIGHT BASE TO REMAIN.
- IL , IL NEW LED IN-PAVEMENT/ELEVATED RUNWAY EDGE LIGHT FIXTURE AND TRANSFORMER. EXISTING LIGHT BASE TO REMAIN.
- IL NEW LED RUNWAY TDZ LIGHT FIXTURE AND TRANSFORMER. EXISTING LIGHT BASE TO REMAIN.
- W Y (X) N NEW LED ELEVATED R/W EDGE/END LIGHT AND ASSOCIATED EQUIPMENT. "W" "Y" INDICATES LENS COLOR. (X) INDICATES FIXTURE NUMBER.
- L-XX N RE-INSTALL ELEVATED TAXIWAY EDGE LIGHT. NEW LIGHT BASE AND ASSOCIATED EQUIPMENT. "XX" INDICATES FIXTURE NUMBER.
- 1 N NEW LED TAXIWAY GUIDANCE SIGNAGE ON NEW FOUNDATION. NUMERAL INDICATES SIGN NUMBER.
- 2 IS REINSTALL STORED TAXIWAY GUIDANCE SIGNAGE AND INTALL ON NEW FOUNDATION. NUMERAL INDICATES SIGN NUMBER.



KEYMAP

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SEAL: STATE OF NEW YORK — MARIAN MOSHOVA — LICENSED PROFESSIONAL ENGINEER — NO. 105154
Digitally signed by Marian Moshova
Date: 2025.02.21 15:45:05 -05'00'

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

BID DOCUMENTS

WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

ELECTRICAL NEW WORK PLAN 7

CONTRACT NUMBER:	SHEET NUMBER:
25-503	ES107
DWG NO.:	88 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-E-586-0	0

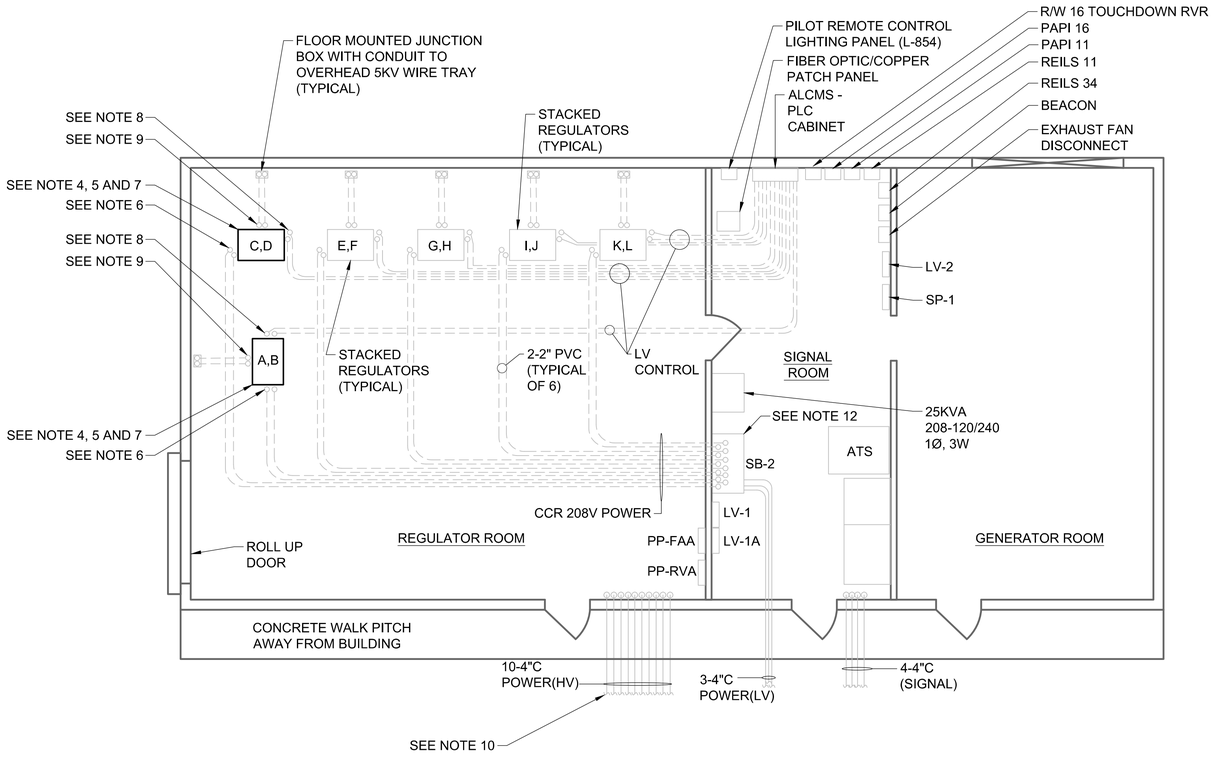
NOTES:

1. FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS, SEE SHEETS EG101.

RUNWAY EDGE LIGHTING SYSTEM		
FIXTURE ID	NORTHING	EASTING
8	817660.26	708934.85
10	817494.01	709033.19
11	817411.81	709279.31
12	817325.62	709132.78
13	817245.94	709377.41
14	817159.46	709231.05
16	816989.15	709331.78
17	816913.69	709573.92
18	816827.02	709427.67
19	816746.50	709672.80
20	816660.84	709525.96
21	816581.54	709770.37
22	816495.17	709623.94
23	816415.66	709868.48
24	816328.56	709722.48
25	816248.73	709967.21
26	816162.22	709820.87
29	815916.63	710163.63
30	815831.47	710016.49
31	815750.70	710261.76
32	815664.56	710115.20
33	815584.66	710359.96
34	815498.19	710213.60
35	815418.57	710458.20
36	815332.51	710311.59
38	815166.06	710410.04
41	814920.30	710752.90
42	814834.07	710606.39
44	814667.44	710704.94
45	814576.90	710956.00
46	814501.32	710803.19
47	814421.73	711047.77
48	814335.23	710901.42
49	814255.48	711146.10
50	814169.15	710999.65
54	813839.32	711194.73
55	813760.13	711439.08
56	813673.41	711292.86
57	813594.43	711537.08
60	813341.59	711489.11
61	813261.68	711733.88

RUNWAY EDGE LIGHTING SYSTEM		
FIXTURE ID	NORTHING	EASTING
62	813175.40	711587.40
63	813099.45	711829.83
64	813013.00	711683.45
65	812933.34	711928.08
66	812846.87	711781.71
67	812767.09	712026.40
68	812681.00	711879.81
69	812601.03	712124.62
70	812514.68	711978.18
71	812434.82	712222.92
72	812348.62	712076.40
73	812268.92	712321.04
74	812182.05	712174.91
75	812098.34	712421.93
76	812093.25	712413.33
77	812088.16	712404.72
78	812083.06	712396.11
79	812027.07	712301.43
80	812021.98	712292.82
81	812016.89	712284.22
82	812011.79	712275.61
TAXIWAY EDGE LIGHTING SYSTEM		
L-01	817661.78	708922.67
L-25	817579.73	708973.63
L-26	817558.93	708991.01
A-11	817530.75	709209.73
B-09	817009.40	709519.21
B-09A	816973.26	709539.77
C-21	815889.58	709975.26
E-01	815321.02	710516.72
E-02	815300.59	710536.14
F-01	815051.58	710474.53
F-20	814862.90	710586.24
G-01	814877.75	710781.89
G-16	814588.45	710952.37
K-10	813470.57	711613.87
K-11	813280.14	711727.40
A-13	812233.04	712345.29
A-14	812102.57	712431.64
L-12	812140.67	712186.78

(ADD ALTERNATE)		
TAXIWAY EDGE LIGHTING SYSTEM		
FIXTURE ID	NORTHING	EASTING
K-1A	813624.69	710829.91
K-1B	813609.90	710864.13
K-1C	813597.63	710912.24
K-1D	813585.37	710960.34
K-1E	813576.61	711002.41
K-1F	813568.98	711039.07
K-1G	813559.12	711086.41
K-1H	813553.29	711114.43



NOTES:

1. FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS, SEE SHEETS EG101.
2. COORDINATE WITH RPR TO DE-ENERGIZE AND SECURE THE CIRCUITS FEEDING CONSTANT CURRENT REGULATORS A, B, C AND D.
3. AT THE AIRFIELD LIGHTING CONTROL AND MONITORING SYSTEM (ALCMS) PLC CABINET TURN THE LIGHTING SYSTEM OFF.
4. AT CONSTANT CURRENT REGULATORS A, B, C AND D ENSURE THEY ARE TURNED OFF USING THE DIGITAL DISPLAY AND KEYS.
5. THE CONTRACTOR SHALL PERFORM A LOCK-OUT TAG-OUT PROCEDURE TO SECURE CIRCUIT BREAKERS NO. 8, NO.10, NO.14 AND NO.17 IN SB-2 MAIN DISTRIBUTION PANEL PRIOR TO ALL WORK TO BE COMPLETE ON ALL CONSTANT CURRENT REGULATOR. THE CONTRACTOR SHALL PROVIDE A LOCK-OUT TAG OUT PROCEDURE FOLLOWING THE NEC GUIDELINES FOR REVIEW AND APPROVAL. THE PROCEDURE SHALL INCLUDE AT A MINIMUM THE FOLLOWING:
   a. PROVIDE NOTIFICATION LIST OF THE CONTRACTOR AND AIRPORT RESPONSIBLE PERSONNEL.
   b. PROVIDE SCHEDULE TIME OF LOCK-OUT TAG-OUT PROCEDURE FOR WITNESS COORDINATION.
   c. DE-ENERGIZE THE LIGHTING SYSTEMS AND CIRCUIT BREAKERS.
   d. INSTALL CLAMP-ON BREAKER LOCK OUT DEVICE AND LOCK.
   e. INSTALL TAG WITH TIME, DATE, PERSONNEL PERFORMING PROCEDURE AND WITNESS NAMES AND CONTACT PHONE NUMBERS.
6. DISCONNECT AND REMOVE THE 208V POWER CONDUCTORS AND METAL FLEXIBLE CONDUIT FROM THE CONSTANT CURRENT REGULATORS (CCRS). REMOVE CONDUCTORS BACK TO SB-2.
7. DISCONNECT AND PULL BACK THE BARE COPPER GROUND CONDUCTOR FROM THE CONSTANT CURRENT REGULATORS FOR REINSTALLATION.
8. DISCONNECT AND PULL BACK THE CONTROL CABLE AND METAL FLEXIBLE CONDUIT FROM THE CONSTANT CURRENT REGULATORS FOR REINSTALLATION.
9. DISCONNECT AND REMOVE AIRFIELD LIGHTING 5KV CABLE AND METAL FLEXIBLE CONDUIT FROM THE CCR A. DISCONNECT AND PULL BACK AIRFIELD LIGHTING 5KV CABLE AND METAL FLEXIABLE CONDUIT FROM CCR C AND D FOR REINSTALLATION.
10. REMOVE THE CIRCUIT RE HOMERUN AIRFIELD SERIES 5KV CABLE COMPLETELY FROM THE AIRFIELD LIGHTING VAULT TO THE AIRFIELD.
11. REMOVE THE TWO CONSTANT CURRENT REGULATORS AND DELIVER TO THE AIPORT. ALL OTHER REMOVED MATERIAL AND EQUIPMENT SHALL BE DISPOSE OF PROPERLY OFF OF AIRPORT PROPERTY.
12. REMOVE CIRCUIT BREAKERS NO. 8, NO. 10, NO. 14 AND NO. 17.

AIRFIELD CIRCUIT AND CCR SCHEDULE

CCR NO.	CIRCUIT DESIGNATION	CIRCUIT DESCRIPTION	CCR SIZE (KW)	NUMBER OF STEPS	OPERATING VOLTAGE (V)	REMARKS
A	**RE**	**RUNWAY 16-34 EDGE LIGHTS**	**30**	**5**	**208**	**REMOVE BOTTOM CCR**
B	**-**	**SPARE**	**30**	**5**	**208**	**REMOVE TOP CCR**
C	**RCL**	**RUNWAY 16-34 CENTERLINE LIGHTS**	**30**	**5**	**208**	**REMOVE BOTTOM CCR**
D	**TDZ**	**RUNWAY 16 TOUCHDOWN ZONE LIGHTS**	**30**	**5**	**208**	**REMOVE TOP CCR**
E	-	TAXIWAY K, F, AND P	30	5	208	
F	-	SPARE	30	3	208	
G	-	RUNWAY 11-29 EDGE LIGHTS	30	3	208	
H	-	SPARE	30	3	208	
I	-	TAXIWAY A NORTH	30	3	208	
J	-	TAXIWAY A SOUTH	30	3	208	
K	-	TAXIWAY C, F, AND L	30	3	208	

4' 2' 0 4'

SCALE:1/4"= 1'-0"

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SEAL: STATE OF NEW YORK MARIA MONTOYA 105154 LICENSED PROFESSIONAL ENGINEER
Digitally signed by Maria Montoya
Date: 2025.02.21 15:54:12 -05'00'

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

BID DOCUMENTS

WESTCHESTER COUNTY AIRPORT

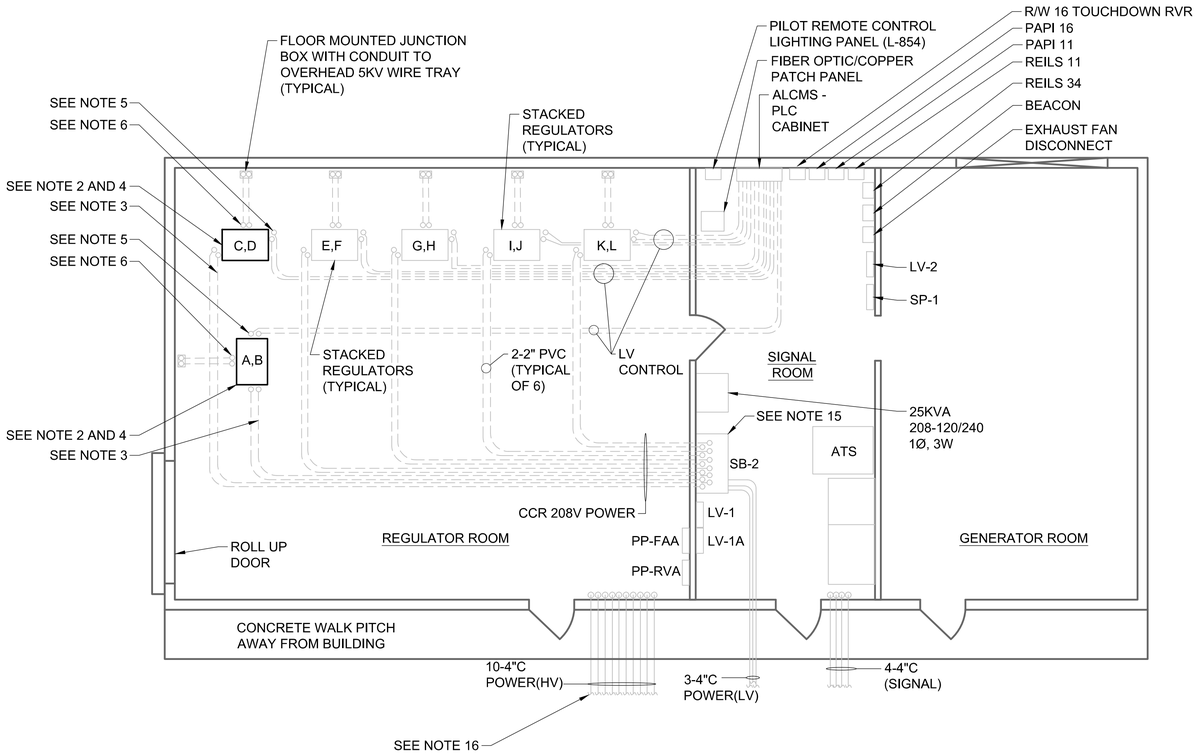
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

ELECTRICAL AIRFIELD LIGHTING VAULT DEMOLITION PLAN

CONTRACT NUMBER:	SHEET NUMBER:
25-503	**ES301**
DWG NO.: 90 of 99	
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-E-588-0	REV. NO. 0

FILE NAME: J:\2024f\2024-0267.01-Westchester_JKL_Rehab_RW16_34\10-Design\Drawings\WorkingDocuments\HPN\HPN-ES301_ES302-ELECTRICAL ALV.dwg LAYOUT NAME: 48-11-E-588-0 USER: jbernhardt PLOTTED: Friday, February 21, 2025 - 3:24pm



NOTES:

1. FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS, SEE SHEETS EG101.
2. FURNISH AND INSTALL THE 20KW CCRS IN SAME FOOTPRINT OF THE REMOVED CCRS. CCRS A AND B SHALL BE STACKED ON EACH OTHER WITH THE ACTIVE RUNWAY EDGE LIGHT CIRCUIT ON THE BOTTOM FOR CCR DESIGNATION B AND A RESPECTIVELY. THE CCRS SHALL BE STACKED ON EACH OTHER.
3. FURNISH AND INSTALL 2-#1 AWG AND 1-#6, 600V GROUND THWN-2 CONDUCTORS FROM SB-2 TO CCR A, B, C AND CCR D IN EXISTING UNDER SLAB CONDUITS.
4. REATTACHED GROUND CONDUIT TO SIDE OF CCR. REINSTALL BARE GROUND CONDUCTOR AND TERMINATE ON THE EXTERIOR GROUND LUGS OF THE TWO CCRS.
5. REINSTALL THE CONTROL CABLE AND METAL FLEXIBLE CONDUIT TO THE CCRS A, B, C AND D. TERMINATE THE CONTROL CABLE ON THE CCR TERMINAL BLOCKS. COORDINATE WITH MANUFACTURER'S INSTALLATION INSTRUCTION MANUAL FOR PROPER CONNECTIONS.
6. FURNISH AND INSTALL THE AIRFIELD LIGHTING 5KV CABLE, CIRCUIT "RE" IN REINSTALLED METAL FLEXIBLE CONDUIT TO THE CCRS. TERMINATE CABLE ON LOAD SIDE TERMINALS. REINSTALL AIRFIELD LIGHTING 5KV CABLE AND FLEXIBLE CONDUIT FOR CCRS C AND D. COORDINATE WITH MANUFACTURER'S INSTALLATION INSTRUCTION MANUAL FOR PROPER CONNECTIONS.
7. UPON THE INSTALLATION COMPLETION OF THE RUNWAY EDGE LIGHT SYSTEM AND VERIFYING ALL TERMINATIONS AND CONNECTIONS OF THE 5KV CIRCUIT, PERFORM A CABLE INSULATION RESISTANCE (IR) MEASUREMENT. RECORD AND PROVIDE MEASUREMENT TO RPR FOR REVIEW AND APPROVAL. THE CIRCUIT SHALL NOT BE ENERGIZED UNTIL ACCEPTANCE OF THE IR MEASUREMENT.
8. COORDINATE WITH RPR TO ENERGIZE CONSTANT CURRENT REGULATORS A, B, C, AND D.
9. THE CONTRACTOR SHALL CONFIRM THE POWER CONNECTIONS AND TERMINATIONS THROUGH RESISTANCE/CONTINUITY CHECKS.
10. THE CONTRACTOR SHALL REMOVE THE LOCK-OUT TAG-OUT DEVICES AND ENERGIZE THE CIRCUITS. RECORD AND PROVIDE VOLTAGE MEASUREMENTS AT THE INPUT TERMINALS OF THE CCR TO THE RPR FOR REVIEW AND APPROVAL.
11. AT CONSTANT CURRENT REGULATORS A, B, C AND D ENSURE THEY ARE TURNED ON USING THE DIGITAL DISPLAY AND KEYS.
12. AT THE ALCMS PLC CABINET TURN THE LIGHTING SYSTEM ON AND PROVIDE CONTROL TO CONTROL TOWER.
13. CONFIRM CONTROL TOWER HAS OPERATIONAL CONTROL OF THE LIGHT SYSTEM AND FIELD VERIFY LIGHT OPERATION.
14. THE INPUT POWER FEEDER AND OCPD SIZING IS BASED ON EATON-CROUSE HINDS PROP POWER PREMIUM SERIES MODEL # 82860PRM-208-20-5-BSW-P OR APPROVED EQUAL. THE UNITS SHALL BE STACKABLE TO ACCOMMODATE THE EXISTING ALLOWABLE SPACE AND EMBEDDED CONDUIT LOCATIONS.
15. FURNISH AND INSTALL SQUARE D, POWER PACT QD 125, 2 POLE, 125A CIRCUIT BREAKERS FOR POSITIONS NO. 8, NO. 10, NO. 14 AND NO. 17.
16. FURNISH AND INSTALL THE CIRCUIT "RE" HOMERUN AIRFIELD SERIES 5KV CABLE COMPLETELY FROM THE AIRFIELD LIGHTING VAULT TO THE AIRFIELD.

AIRFIELD CIRCUIT AND CCR SCHEDULE

CCR NO.	CIRCUIT DESIGNATION	CIRCUIT DESCRIPTION	CCR SIZE (KW)	NUMBER OF STEPS	OPERATING VOLTAGE (V)	REMARKS
A	**RE**	**RUNWAY 16-34 EDGE LIGHTS**	**20**	**5**	**208**	**FURNISH AND INSTALL, SEE NOTE 14**
B	**-**	**SPARE**	**20**	**5**	**208**	**FURNISH AND INSTALL, SEE NOTE 14**
C	**RCL**	**RUNWAY 16-34 CENTERLINE LIGHTS**	**20**	**5**	**208**	**FURNISH AND INSTALL, SEE NOTE 14**
D	**TDZ**	**RUNWAY 16 TOUCHDOWN ZONE LIGHTS**	**20**	**5**	**208**	**FURNISH AND INSTALL, SEE NOTE 14**
E	-	TAXIWAY K, F, AND P	30	5	208	
F	-	SPARE	30	3	208	
G	-	RUNWAY 11-29 EDGE LIGHTS	30	3	208	
H	-	SPARE	30	3	208	
I	-	TAXIWAY A NORTH	30	3	208	
J	-	TAXIWAY A SOUTH	30	3	208	
K	-	TAXIWAY C, F, AND L	30	3	208	

4' 2' 0 4'

SCALE: 1/4" = 1'-0"

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NEW YORK, NY 10001
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SEAL: STATE OF NEW YORK — MARIA I. MONTOYA — 106154 — LICENSED PROFESSIONAL ENGINEER
Digitally signed by Maria I. Montoya
Date: 2025.02.21 15:54:16-05'00'

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

BID DOCUMENTS

WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

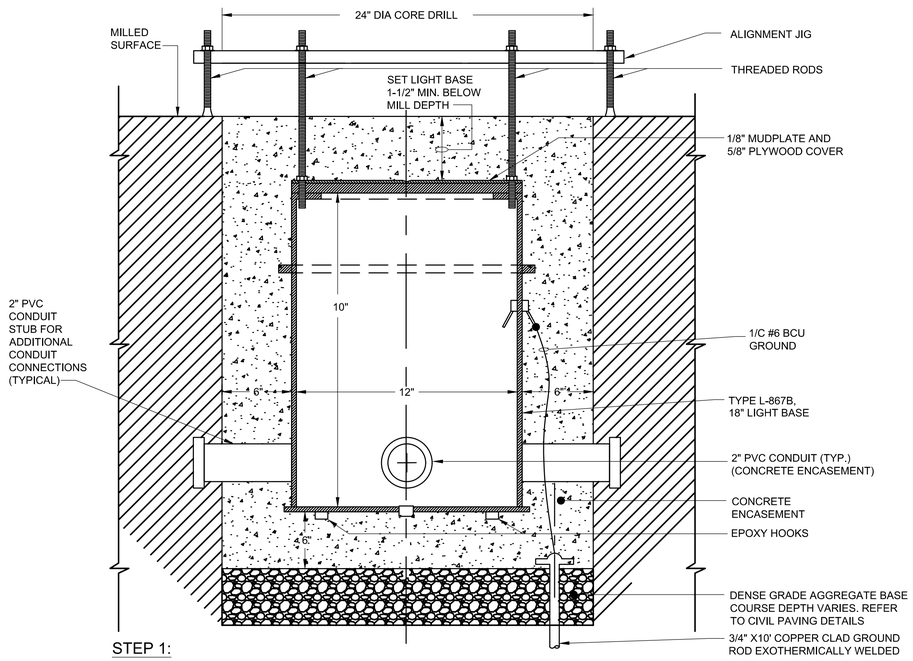
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
ELECTRICAL AIRFIELD LIGHTING VAULT NEW WORK PLAN

CONTRACT NUMBER:	SHEET NUMBER:
25-503	**ES302**
DWG NO.:	91 of 99
SCALE: AS SHOWN	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-E-589-0	0

FILE NAME: J:\2024\2024-0267.01-Westchester_JKL_Rehab_RW16_34\10-Design\Drawings\WorkingDocuments\HPN\HPN-ES301_ES302-ELECTRICAL ALV.dwg LAYOUT NAME: 48-11-E-589-0 USER: jbernhardt PLOTTED: Friday, February 21, 2025 - 3:24pm

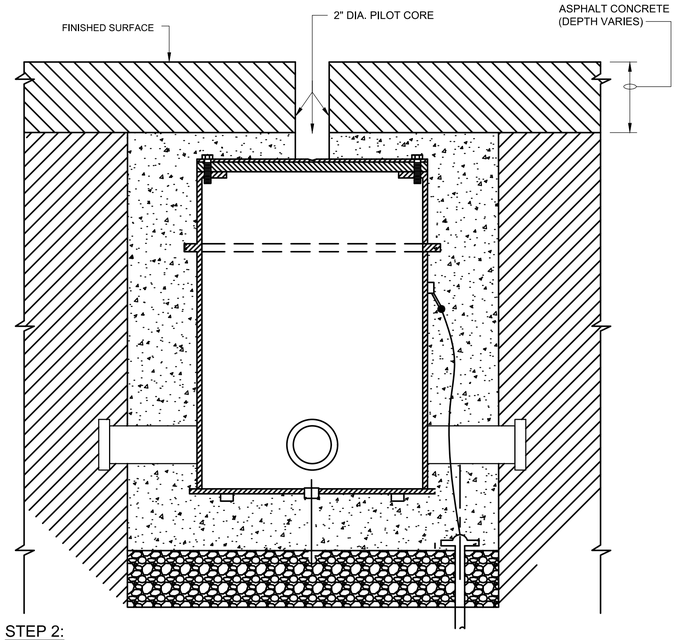
NOTES:

1. FOR ELECTRICAL GENERAL NOTES, ABBREVIATIONS AND SCHEDULES, SEE SHEETS EG101 AND EG102.
2. THE USE OF PRECAST CONCRETE ENCASED LIGHT BASES MAY BE PROVIDED AS AN ALTERNATE INSTALLATION METHOD. THE CONTRACTOR SHALL SUBMIT A MATERIAL AND METHOD PROCEDURE TO THE RPR FOR REVIEW AND APPROVAL.



STEP 1:

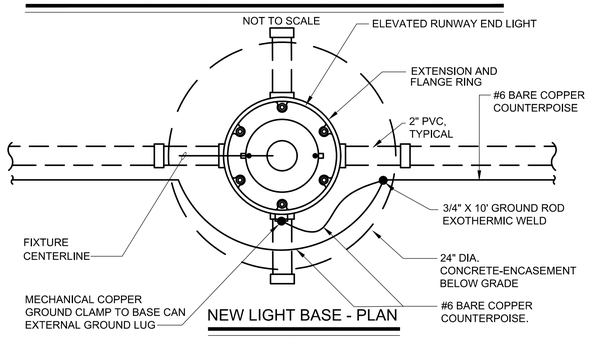
1. THE CONSTRUCTION AS DESCRIBED HEREINAFTER IN THIS STEP SHALL BE PERFORMED IN MILLED ASPHALT CONCRETE PAVEMENT.
2. THE EQUIPMENT AND METHODS TO BE USED TO INSTALL THE BOTTOM SECTION LIGHT BASE AND IN CUTTING KERFS IN THE PAVEMENT FOR THE CONDUIT INSTALLATION SHALL BE AS SPECIFIED HEREIN AND AS SHOWN ON THE CONTRACT DRAWINGS AND SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER PRIOR TO ANY OPERATIONS AT THE CONSTRUCTION SITE.
3. ENGINEER SHALL BE NOTIFIED 72 HOURS IN ADVANCE OF ANY CIRCUITS THAT ARE TO BE DISCONNECTED. THE CONTRACTOR SHALL PERFORM LOCK-OUT AND TAG-OUT PROCEDURES TO DE-ENERGIZE REGULATORS INCLUDING REMOVING S-1 ABSOLUTE CUTOUTS TO DE-ENERGIZE CIRCUITS.
4. MARK BY SURVEY THE CURRENT AND PROPOSED ELEVATION OF PAVEMENT AT THE LIGHT LOCATION. THESE LOCATIONS AND ALIGNMENTS SHALL BE APPROVED BY THE ENGINEER.
5. DETERMINE THE CORE DEPTH USING THE EXTENSION AND BOTTOM SECTION HEIGHT, FOUNDATION DEPTH.
6. CORE-DRILL A 24" DIAMETER HOLE THROUGH THE PAVEMENT TO THE CALCULATED DEPTH.
7. SAW CUT KERFS IN THE PAVEMENT BETWEEN THE CORED HOLES FOR THE INSTALLATION OF THE CONDUIT. THE DEPTH SHALL BE AS SHOWN ON THE CONTRACT DRAWINGS. SAND BLAST THE KERF IMMEDIATELY BEFORE INSTALLATION OF THE CONDUIT.
8. INSTALL THE BOTTOM SECTION LIGHT BASE.
9. WHERE INDICATED ON AREA PLANS, FURNISH AND INSTALL A GROUND ROD. CONNECT A #6 GROUND CABLE USING AN EXOTHERMIC WELD, AT THE GROUND ROD AND A MECHANICAL COPPER GROUND CLAMP TO BASE CAN GROUND LUG.
10. MEASURE THE GROUND RESISTANCE AT EACH BASE CAN, RECORD VALUES AND DELIVER TO ENGINEER. GROUND RESISTANCE SHALL NOT EXCEED 25 OHMS.
11. INSTALL THE 2" PVC CONDUIT INTO THE KERF WITH CONDUIT SPACES AND INSERT THROUGH GROMMET INTO THE BASE CAN.
12. FURNISH AND INSTALL A TEMPORARY STEEL MUD COVER USING A CALIBRATED COMPRESSED AIR RATCHET GUN, TORQUE BOLT UNTIL LOOSELY SEATED AGAINST THE FIXTURE, THEN HAND TIGHTEN WITH A TORQUE WRENCH TO 18 FT POUNDS.
13. FILL THE CONDUIT KERF WITH CONCRETE AS SPECIFIED ON THE CONTRACT DRAWINGS.
14. POUR CONCRETE TO FILL THE SPACE UNDER AND AROUND LIGHT BASE AS SHOWN ON THE CONTRACT DRAWINGS. VIBRATE CONCRETE TO AVOID HAVING VOIDS.
15. UNBOLT AND REMOVE ALIGNMENT JIG. FILL ANY VOIDS LEFT BY BOLTS OR RODS WITH EPOXY.



STEP 2:

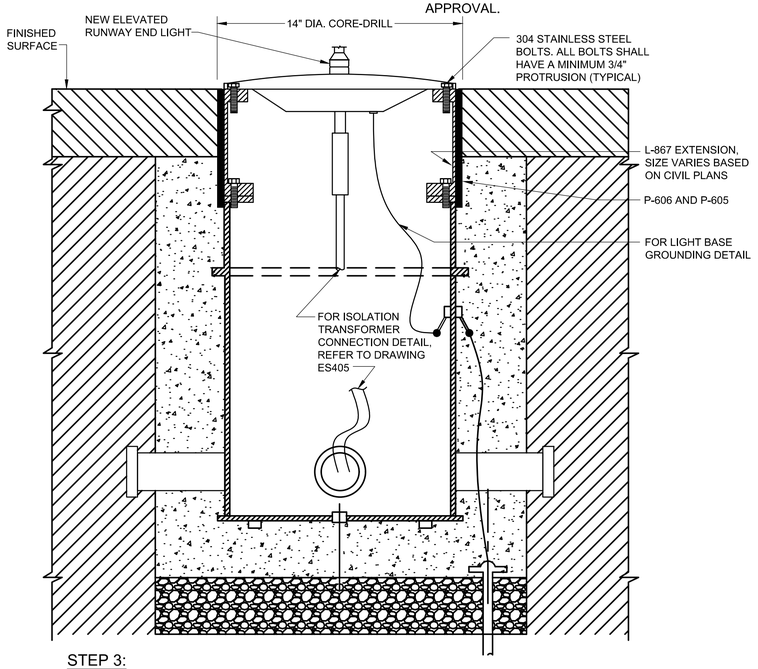
1. MARK THE LOCATION OF FIXTURE BASE CAN BY SURVEY AND/OR BENCH MARK.
2. CORE-DRILL A 2-INCH DIAMETER PILOT HOLE THROUGH OVERLAY COURSE AT THE BASE LOCATION AND EXPOSE A PORTION OF THE TEMPORARY STEEL MUD PLATE. TAKE AND RECORD MEASUREMENT FROM TOP OF FINISH PAVEMENT TO TOP OF MUD PLATE.
3. UTILIZING THE PAVEMENT HEIGHT RECORDED CALCULATE THE APPROPRIATE TOP EXTENSION COLLAR HEIGHT TAKING INTO CONSIDERATION THE HEIGHTS OF THE LIGHT FIXTURE, FLANGE RING, BASIC SPACER PACKAGE AND MUD PLATE.
4. DESIGNATE A NUMBER FOR EACH FIXTURE, AND TABULATE THE DISTANCES FROM THE TOP OF THE MUD PLATE TO TOP OF PAVEMENT FOR EACH FIXTURE. THIS DATA SHALL BE TRANSMITTED TO THE MANUFACTURER OF THE EXTENSION WITHIN 4 CALENDAR DAYS OF COMPLETION OF OVERLAY PAVEMENT IN THE VICINITY TO FACILITATE THE MANUFACTURE OF EACH EXTENSION TO SUIT THE REQUIRED DIMENSIONS. THE EXTENSION SHALL BE ON-SITE FOR INSTALLATION WITHIN 15 CALENDAR DAYS FROM THE COMPLETION OF OVERLAY PAVEMENT IN THE VICINITY.
5. VISUALLY LOCATE THE INDENTED CENTERPOINT IN THE TEMPORARY MUD PLATE.

INSTALLATION OF NEW ELEVATED RUNWAY END/EDGE LIGHT AND LIGHT BASE IN ASPHALT OVERLAY PAVEMENT



NEW LIGHT BASE - PLAN

NOT TO SCALE



STEP 3:

1. ALIGN THE CORE-DRILL WITH THE CENTERPOINT AND CORE DRILL THE FULL-SIZE HOLE FOR EXTENSION AND FIXTURE INSTALLATION.
2. REMOVE THE TEMPORARY STEEL MUD PLATE AND PLYWOOD COVER. MUD PLATE BOLTS SHALL NOT BE USED FOR EXTENSION OR FIXTURE INSTALLATION. FURNISH AND INSTALL TYPE 304 STAINLESS STEEL BOLTS AS INDICATED.
3. CLEAN THE EXTENSION FLAT SURFACES, LIGHT BASE, THREADED OPENINGS AND BOLT THREADS USING THE FOLLOWING PROCEDURE:
   A. REMOVE GREASE/LUBRICANT AND ANY OTHER PARTICULATES WITH A SOFT CLOTH.
   B. SPRAY CITRUS DEGREASER (CRC BRAND CITRUS DEGREASER WHICH IS NON-CHLORINATED AND BIODEGRADABLE) ONTO BOLTS AND WIPE OFF AFTER 15 SECOND (MINIMUM) CONTACT TIME.
   C. RINSE BOLTS WITH ACETONE. LET AIR-DRY (SHOULD TAKE LESS THAN 30 SECONDS). THE BOLT IS READY FOR LOCTITE APPLICATION AS SOON AS THE THREADED BOLT OPENINGS ARE DEGREASED AND CLEAN. THERE SHALL BE NO VISIBLE GREASE/LUBRICANT REMAINING. IF THERE IS, REPEAT STEPS B AND C.
   D. SPRAY CITRUS DEGREASER INTO THREADED BOLT OPENINGS ON THE BOTTOM SECTION LIGHT BASE AND EXTENSION TAKING AIM TO WASH AWAY ANY GREASE/LUBRICANT RESIDUE. SPRAY TYPICALLY 3 TO 4 BURSTS WAITING ABOUT 10 TO 15 SECONDS BETWEEN SPRAYS. SPRAY UNTIL VISIBLE SIGNS OF GREASE/LUBRICANT NO LONGER APPEAR. SOLID PARTICLES SHALL BE WIPED AWAY WITH A SOFT CLOTH TO BE CERTAIN OF A CLEAN THREAD AREA.
   E. SPRAY/RINSE ALL THREADED OPENINGS ONCE WITH ACETONE.
   F. LET DRY AT LEAST 30 SECONDS BEFORE APPLYING LOCTITE 242. APPLY TWO OR THREE DROPS OF THE PRODUCT ONTO THE BOLT THREADS IN AN EQUAL DISTRIBUTION AT THE ENGAGEMENT AREA.
4. FURNISH AND INSTALL EXTENSION AND SECURE TO THE BOTTOM LIGHT BASE WITH TYPE 304 STAINLESS STEEL BOLTS, AS PER THE MANUFACTURERS RECOMMENDATIONS, AND NORD-LOCK WASHERS. USING A TORQUE WRENCH SECURE THE BOLTS TO THE LIGHT BASE. BOLTS SHALL BE TIGHTENED TO 18 FOOT-POUNDS OR USE THE MANUFACTURERS RECOMMENDED TORQUE VALUE.
5. TOP EDGE OF EXTENSION HEIGHT SHALL BE SET AT 0 TO-1/16" BELOW PAVEMENT ON LOW PAVEMENT SIDE OF FIXTURE. HEIGHTS SHALL BE SUBJECT TO APPROVAL BY ENGINEER.
6. FILL THE ANNULAR SPACE AROUND THE COMPLETE ASSEMBLY WITH P-606 TO 1" FROM TOP OF PAVEMENT. REMAINING ANNULAR SPACE SHALL BE FILLED WITH P-605 MATERIAL.
7. FURNISH AND INSTALL L-830 ISOLATION TRANSFORMER AND L-823 CONNECTORS.
8. FURNISH AND INSTALL L-862/L-862E LIGHT FIXTURE WITH CORTEN BASE PLATE AND RUBBER GASKET TO TOP OF EXTENSION WITH TYPE 304 STAINLESS STEEL BOLTS, AS PER THE MANUFACTURERS RECOMMENDATIONS, AND NORD-LOCK WASHERS. USING A TORQUE WRENCH SECURE THE BOLTS TO THE LIGHT BASE. BOLTS SHALL BE TIGHTENED TO 18 FOOT-POUNDS OR USE THE MANUFACTURERS RECOMMENDED TORQUE VALUE.
9. CONFIRM CIRCUITING CONNECTIONS.

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SEAL:
STATE OF NEW YORK · MARION MONTOYA · LICENSED PROFESSIONAL ENGINEER · NO. 105154
Digitally signed by Marion Montoya
Date: 2025.02.21 15:54:13 -05'00'

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

BID DOCUMENTS

WESTCHESTER COUNTY AIRPORT

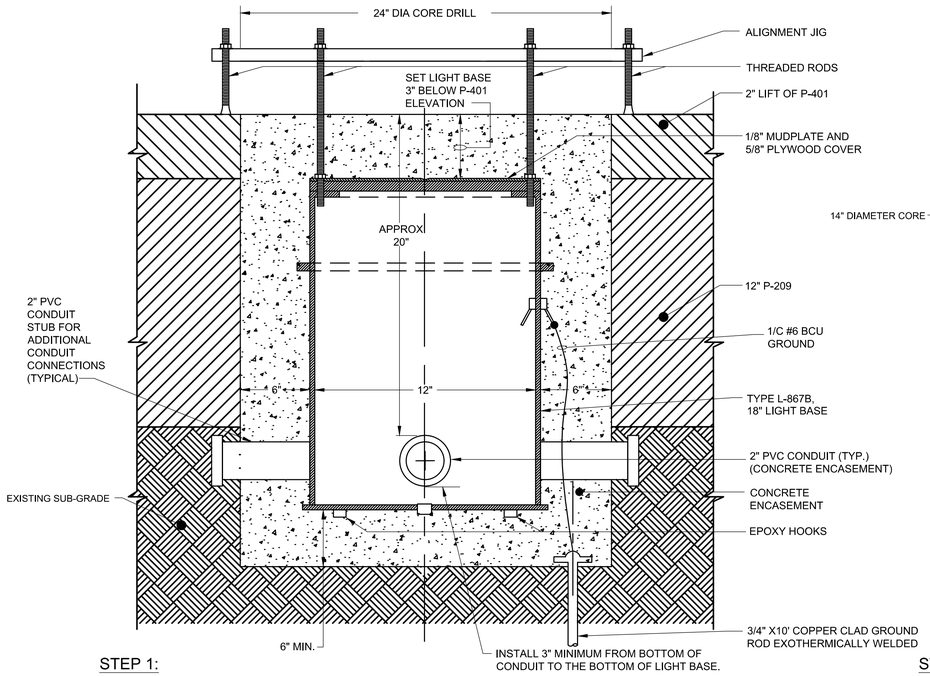
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
ELECTRICAL INSTALLATION DETAIL 1

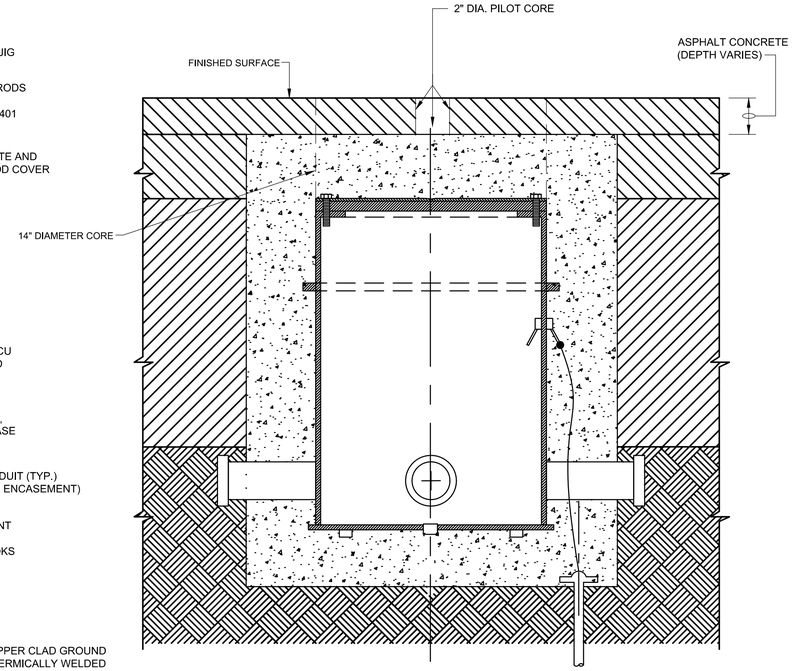
CONTRACT NUMBER:	SHEET NUMBER:
25-503	ES401
DWG NO.:	92 of 99
SCALE: NONE	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-E-590-0	0

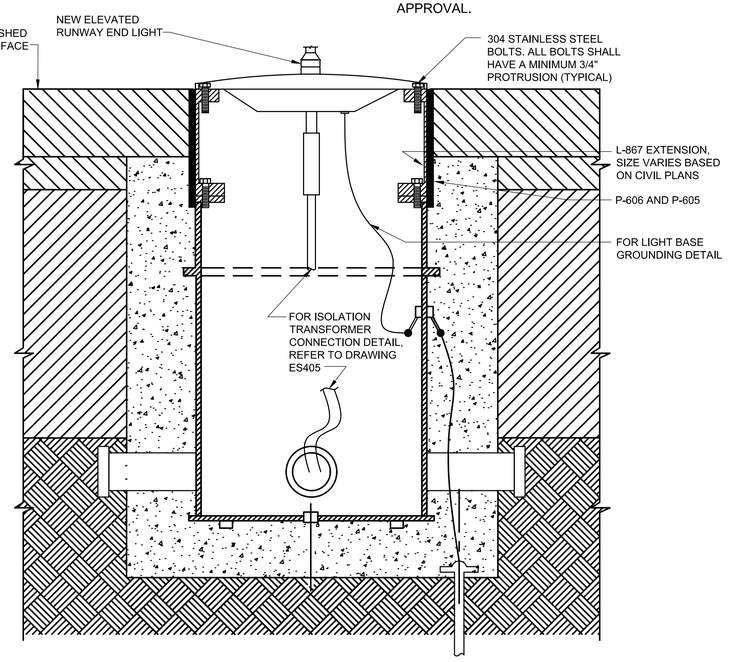
FILE NAME: J:\2024f\2024-0267.01-Westchester_JKL_Rehab_RW16_34\10-Design\Drawings\WorkingDocuments\HPN\HPN-ES401_ES407-ELECTRICAL INSTALLATION DETAILS.dwg LAYOUT NAME: 48-11-E-590-0 USER: jbernhardt PLOTTED: Friday, February 21, 2025 - 3:25pm

NOTES:

1. FOR ELECTRICAL GENERAL NOTES, ABBREVIATIONS AND SCHEDULES, SEE SHEETS EG101 AND EG102.
2. THE USE OF PRECAST CONCRETE ENCASED LIGHT BASES MAY BE PROVIDED AS AN ALTERNATE INSTALLATION METHOD. THE CONTRACTOR SHALL SUBMIT A MATERIAL AND METHOD PROCEDURE TO THE RPR FOR REVIEW AND APPROVAL.







STEP 1:

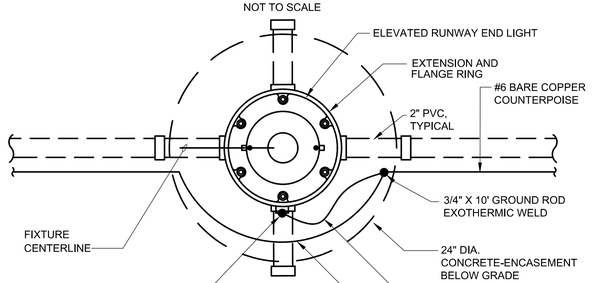
1. THE CONSTRUCTION AS DESCRIBED HEREINAFTER IN THIS PHASE SHALL BE PERFORMED AFTER THE FIRST P-401 2-INCH LIFT IS PLACED.
2. THE EQUIPMENT AND METHODS TO BE USED TO INSTALL THE LIGHT BASE BOTTOM SECTION AND IN CUTTING THE KERFS IN THE PAVEMENT FOR THE CONDUIT INSTALLATION SHALL BE AS SPECIFIED HEREIN AND AS SHOWN ON THE CONTRACT DRAWINGS AND SHALL BE SUBJECT TO THE APPROVAL OF THE RPR PRIOR TO ANY OPERATIONS AT THE CONSTRUCTION SITE.
3. THE RPR SHALL BE NOTIFIED 72 HOURS IN ADVANCE OF ANY CIRCUITS THAT ARE TO BE DISCONNECTED. THE CONTRACTOR SHALL PERFORM LOCK-OUT AND TAG-OUT PROCEDURES TO DE-ENERGIZE CONSTANT CURRENT REGULATORS INCLUDING REMOVING S-1 ABSOLUTE CUTOUTS TO DE-ENERGIZE CIRCUITS.
4. MARK BY SURVEY THE EXISTING AND PROPOSED ELEVATION OF PAVEMENT AT THE LIGHT LOCATION. THESE LOCATIONS AND ALIGNMENTS SHALL BE APPROVED BY THE RPR.
5. DETERMINE THE CORE DEPTH USING AN EXTENSION HEIGHT OF 5-INCHES, A BOTTOM SECTION HEIGHT OF 18-INCHES, ½-INCH SPACERS AND THE 6-INCH MINIMUM FOUNDATION BELOW THE LIGHT BASE. .
6. CORE-DRILL A 24-INCH MINIMAL DIAMETER HOLE THROUGH THE PAVEMENT TO THE CALCULATED DEPTH.
7. SAW CUT KERFS IN THE PAVEMENT BETWEEN THE CORED HOLES FOR THE INSTALLATION OF THE CONDUIT. THE DEPTH SHALL BE AS SHOWN ON THE CONTRACT DRAWINGS. ALLOW A MINIMUM OF 3-INCHES OF CONCRETE ENCASEMENT ON SIDES AND BELOW THE CONDUIT. SAND BLAST THE KERF IMMEDIATELY BEFORE INSTALLATION OF THE CONDUIT.
8. INSTALL THE LIGHT BASE BOTTOM SECTION. THE ELEVATION OF THE LIGHT BASE SHALL BE SET TO ACCOMMODATE A 5-INCH EXTENSION, WITH A MAXIMUM OF A ½-INCH OF SPACER RINGS AS NEEDED TO PROVIDE A FINAL INSTALLATION FLUSH WITH THE TOP COURSE P-401 ELEVATION. THE LIGHT BASE BOTTOM SECTION SHALL BE HELD FIRMLY IN PLACE WITH A LEVELING JIG.
9. FURNISH AND INSTALL A GROUND ROD. CONNECT A #6 GROUND CABLE USING AN EXOTHERMIC WELD, AT THE GROUND ROD AND A MECHANICAL COPPER GROUND CLAMP TO LIGHT BASE BOTTOM SECTION GROUND STRAP.
10. MEASURE THE GROUND RESISTANCE AT EACH LIGHT BASE, RECORD VALUES AND DELIVER TO RPR. GROUND RESISTANCE SHALL NOT EXCEED 25 OHMS.
11. INSTALL THE 2-INCH PVC CONDUIT INTO THE KERF WITH CONDUIT SPACES AND INSERT THROUGH GROMMETS INTO THE LIGHT BASE. FURNISH AND INSTALL 2-INCH PVC BELL HOUSING ON THE ENDS OF THE CONDUIT. THE BELL HOUSING SHALL EXTEND A MAXIMUM OF 3-INCHES INTO THE LIGHT BASE.
12. FURNISH AND INSTALL A TEMPORARY STEEL MUD PLATE WITH CENTER POINT AND PLYWOOD COVER FOR CONCRETE ENCASEMENT. SHIPPING BOLTS CAN BE USED TO SECURE PLATE AND COVER TO LIGHT BASE. MARK BY SURVEY THE LOCATION OF THE CENTER POINT OF THE LIGHT BASE AND PROVIDE TO RPR FOR REVIEW AND APPROVAL.
13. FILL THE CONDUIT KERF WITH CONCRETE AS SPECIFIED ON THE CONTRACT DRAWINGS.
14. POUR CONCRETE TO FILL THE SPACE UNDER AND AROUND LIGHT BASE LEVEL WITH P-401 PAVEMENT AS SHOWN ON THE CONTRACT DRAWINGS. VIBRATE CONCRETE TO AVOID HAVING VOIDS.
15. ONCE CONCRETE HAS CURED SUFFICIENTLY TO PREVENT LIGHT BASE FROM MOVING, UNBOLT AND REMOVE ALIGNMENT JIG. FILL ANY VOIDS LEFT BY BOLTS OR RODS WITH EPOXY.

STEP 2:

1. THE CONSTRUCTION AS DESCRIBED HEREINAFTER IN THIS PHASE SHALL BE PERFORMED AFTER THE SECOND P-401 3-INCH FINAL LIFT IS PLACED.
2. MARK BY SURVEY THE LOCATION OF THE LIGHT BASE CENTER POINT AND CONFIRM WITH RPR.
3. CORE-DRILL A 3-INCH DIAMETER PILOT HOLE THROUGH TOP COURSE AT THE LIGHT BASE LOCATION AND EXPOSE A PORTION OF THE TEMPORARY STEEL MUD PLATE. TAKE AND RECORD MEASUREMENT FROM TOP OF FINISH PAVEMENT TO TOP OF MUD PLALE.
4. UTILIZING THE PAVEMENT HEIGHT RECORDED, CALCULATE THE APPROPRIATE TOP EXTENSION HEIGHT AND NEEDED SPACER RINGS TO PROVIDE A FLUSH INSTALLATION TO THE PAVEMENT.
5. DESIGNATE A NUMBER FOR EACH FIXTURE LOCATION AND TABULATE THE HEIGHT FROM THE TOP OF THE MUD PLATE TO TOP OF PAVEMENT FOR EACH FIXTURE. DETERMINE THE HEIGHT OF SPACER RINGS NEEDED AND THE LENGTH OF BOLTS. BOLTS SHALL PROTRUDE A MINIMUM OF ¾-INCH BELOW THE LIGHT BASE TOP FLANGE.
6. VISUALLY LOCATE THE INDENTED CENTER POINT IN THE TEMPORARY MUD PLATE.
7. ALIGN THE CORE-DRILL WITH THE CENTER POINT AND CORE DRILL A 14-1/2 INCH DIAMETER FULL-SIZE HOLE FOR TOP EXTENSION. REMOVE CONCRETE CORE PLUG AND DISPOSE OF OFF AIRPORT PROPERTY.

INSTALLATION OF NEW ELEVATED RUNWAY END/EDGE LIGHT AND LIGHT BASE IN NEWLY CONSTRUCTED ASPHALT SHOULDER PAVEMENT

NOT TO SCALE



NEW LIGHT BASE - PLAN

NOT TO SCALE

STEP 3:

1. REMOVE THE TEMPORARY STEEL MUD PLATE AND PLYWOOD COVER. MUD PLATE BOLTS SHALL NOT BE USED FOR EXTENSION OR FIXTURE INSTALLATION. FURNISH AND INSTALL TYPE 304 STAINLESS STEEL BOLTS AS INDICATED.
2. CLEAN THE EXTENSION FLAT SURFACES, LIGHT BASE, THREADED OPENINGS AND BOLT THREADS USING THE FOLLOWING PROCEDURE:
   A. REMOVE GREASE/LUBRICANT AND ANY OTHER PARTICULATES WITH A SOFT CLOTH.
   B. SPRAY CITRUS DEGREASER (CRC BRAND CITRUS DEGREASER WHICH IS NON-CHLORINATED AND BIODEGRADABLE) ONTO BOLTS AND WIPE OFF AFTER 15 SECOND (MINIMUM) CONTACT TIME.
   C. RINSE BOLTS WITH ACETONE. LET AIR-DRY (SHOULD TAKE LESS THAN 30 SECONDS). THE BOLT IS READY FOR LOCTITE APPLICATION AS SOON AS THE THREADED BOLT OPENINGS ARE DEGREASED AND CLEAN. THERE SHALL BE NO VISIBLE GREASE/LUBRICANT REMAINING. IF THERE IS, REPEAT STEPS B AND C.
   D. SPRAY CITRUS DEGREASER INTO THREADED BOLT OPENINGS ON THE BOTTOM SECTION LIGHT BASE AND EXTENSION TAKING AIM TO WASH AWAY ANY GREASE/LUBRICANT RESIDUE. SPRAY TYPICALLY 3 TO 4 BURSTS WAITING ABOUT 10 TO 15 SECONDS BETWEEN SPRAYS. SPRAY UNTIL VISIBLE SIGNS OF GREASE/LUBRICANT NO LONGER APPEAR. SOLID PARTICLES SHALL BE WIPED AWAY WITH A SOFT CLOTH TO BE CERTAIN OF A CLEAN THREAD AREA.
   E. SPRAY/RINSE ALL THREADED OPENINGS ONCE WITH ACETONE.
   F. LET DRY AT LEAST 30 SECONDS BEFORE APPLYING LOCTITE 242. APPLY TWO OR THREE DROPS OF THE PRODUCT ONTO THE BOLT THREADS IN AN EQUAL DISTRIBUTION AT THE ENGAGEMENT AREA.
3. FURNISH AND INSTALL EXTENSION AND SECURE TO THE BOTTOM LIGHT BASE WITH TYPE 304 STAINLESS STEEL BOLTS, AS PER THE MANUFACTURERS RECOMMENDATIONS, AND NORD-LOCK WASHERS. USING A TORQUE WRENCH SECURE THE BOLTS TO THE LIGHT BASE. BOLTS SHALL BE TIGHTENED TO 18 FOOT-POUNDS OR USE THE MANUFACTURERS RECOMMENDED TORQUE VALUE.
4. TOP EDGE OF EXTENSION HEIGHT SHALL BE SET AT 0 TO-1/16" BELOW PAVEMENT ON LOW PAVEMENT SIDE OF FIXTURE. HEIGHTS SHALL BE SUBJECT TO APPROVAL BY ENGINEER.
5. FILL THE ANNULAR SPACE AROUND THE COMPLETE ASSEMBLY WITH P-606 TO 1" FROM TOP OF PAVEMENT. REMAINING ANNULAR SPACE SHALL BE FILLED WITH P-605 MATERIAL.
6. FURNISH AND INSTALL L-830 ISOLATION TRANSFORMER AND L-823 CONNECTORS.
7. FURNISH AND INSTALL L-862/L-862E LIGHT FIXTURE WITH CORTEN BASE PLATE AND RUBBER GASKET TO TOP OF EXTENSION WITH TYPE 304 STAINLESS STEEL BOLTS, AS PER THE MANUFACTURERS RECOMMENDATIONS, AND NORD-LOCK WASHERS. USING A TORQUE WRENCH SECURE THE BOLTS TO THE LIGHT BASE. BOLTS SHALL BE TIGHTENED TO 18 FOOT-POUNDS OR USE THE MANUFACTURERS RECOMMENDED TORQUE VALUE.
8. CONFIRM CIRCUITING CONNECTIONS.

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SEAL:
STATE OF NEW YORK — MARIEL MONTOYA — 105154 — LICENSED PROFESSIONAL ENGINEER
Digitally signed by Mariel Montoya
Date: 2025.02.21 16:54:22-05'00'

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

BID DOCUMENTS

WESTCHESTER COUNTY AIRPORT

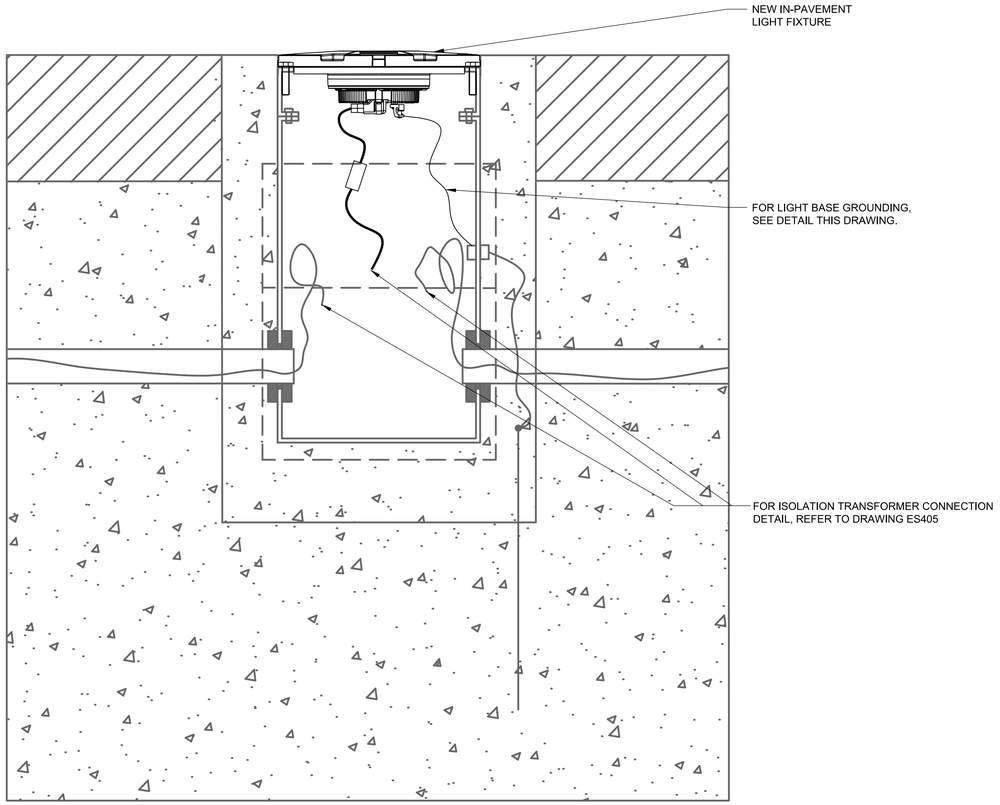
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
ELECTRICAL INSTALLATION DETAIL 2

CONTRACT NUMBER:	SHEET NUMBER:
25-503	ES402
DWG NO.: 93 of 99	
SCALE: NONE	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-E-591-0	REV. NO. 0

FILE NAME: J:\2024f\2024-0267.01-Westchester_JKL_Rehab_RW16_34\10-Design\Drawings\WorkingDocuments\HPN\HPN-ES401_ES407-ELECTRICAL INSTALLATION DETAILS.dwg LAYOUT NAME: 48-11-E-591-0 USER: jbernhardt PLOTTED: Friday, February 21, 2025 - 3:25pm

NOTES:

1. FOR ELECTRICAL GENERAL NOTES, ABBREVIATIONS AND SCHEDULES, SEE SHEETS EG101 AND EG102.



REMOVAL STEPS:

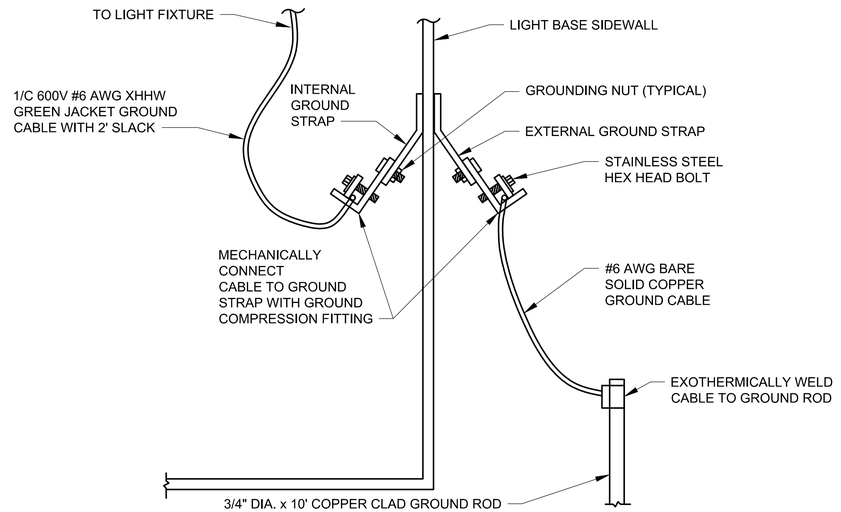
1. REMOVE IN-PAVEMENT LIGHT FIXTURE INCLUDING LIGHT FIXTURE, ISOLATION TRANSFORMER, AND SECONDARY CABLES. CLEAN LIGHT BASE.

INSTALLATION STEPS:

1. FURNISH AND INSTALL LIGHT FIXTURE AND ISOLATION TRANSFORMER WITH ASSOCIATED STAND.
2. CONNECT AIRFIELD CABLES USING L-823 CONNECTORS. ENSURE PROPER ID OF ALL CABLES WITHIN LIGHT BASE.

REMOVE AND INSTALL NEW RUNWAY CENTERLINE AND TDZ ON EXISTING LIGHT BASE

NOT TO SCALE



LIGHT BASE GROUNDING DETAIL

NOT TO SCALE

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NEW YORK, NY 10001
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212.962.3503
www.burns-group.com

SEAL: STATE OF NEW YORK · MARION MONTOYA · LICENSED PROFESSIONAL ENGINEER · NO. 105154 · Digitally signed by Marion Montoya Date: 2025.02.21 15:54:26-05'00'

BID DOCUMENTS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

WESTCHESTER COUNTY AIRPORT

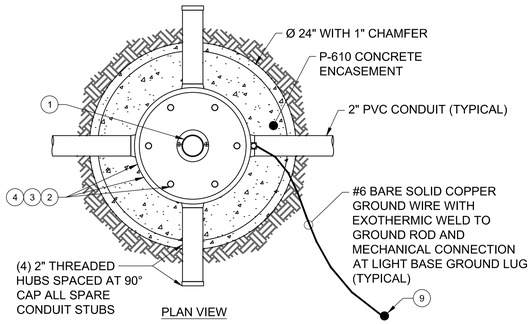
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
ELECTRICAL INSTALLATION DETAIL 3

CONTRACT NUMBER:	SHEET NUMBER:
25-503	ES403
DWG NO.:	94 of 99
SCALE: NONE	
DATE: FEBRUARY 2025	
DPW FILE NO.:	REV. NO.
48-11-E-592-0	0

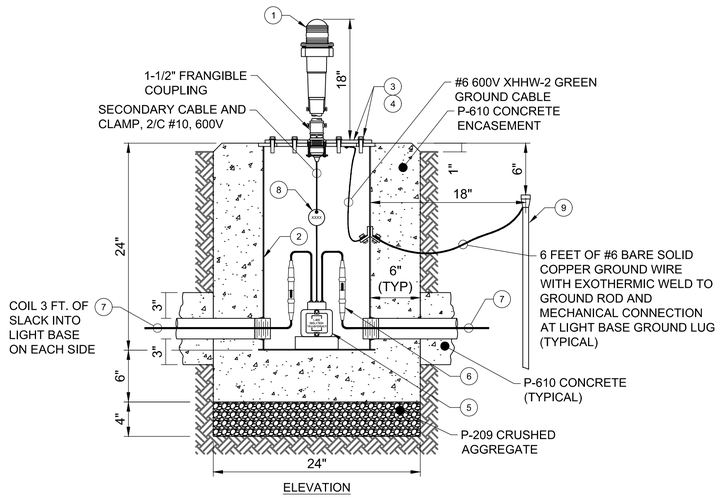
FILE NAME: J:\2024f\2024-0267.01-Westchester_JKL_Rehab_RW16_34\10-Design\Drawings\WorkingDocuments\HPN\HPN-ES401_ES407-ELECTRICAL INSTALLATION DETAILS.dwg LAYOUT NAME: 48-11-E-592-0 USER: jbernhardt PLOTTED: Friday, February 21, 2025 - 3:25pm

ITEM LIST

ITEM NO.	ITEM DESCRIPTION
1	L-861T: ELEVATED TAXIWAY EDGE LIGHT, HEIGHT 18"
2	L-867B: CLASS 1A LIGHT BASE, 24" DEEP WITH FOUR THREADED HUBS (PRECAST CONCRETE ENCASEMENT)
3	1/2" THICK STEEL PLATE WITH 1/8" NEOPRENE GASKET
4	STAINLESS STEEL BOLTS AND LOCKWASHERS (QTY 6 PER COVER)
5	L-830: ISOLATION TRANSFORMER, SEE DRAWING ES405
6	L-823: CONNECTOR KIT, SEE DRAWING ES405
7	L-824C: 1/C #8, 5KV SERIES LIGHTING CABLE
8	CABLE ID TAG, SEE DRAWING ES405
9	3/4"X10' COPPER CLAD GROUND ROD INSTALLED AT EACH LIGHT BASE



PLAN VIEW



ELEVATION

TYPICAL TAXIWAY EDGE LIGHT INSTALLATION DETAIL

NOT TO SCALE

NOTES FOR STEP 1:

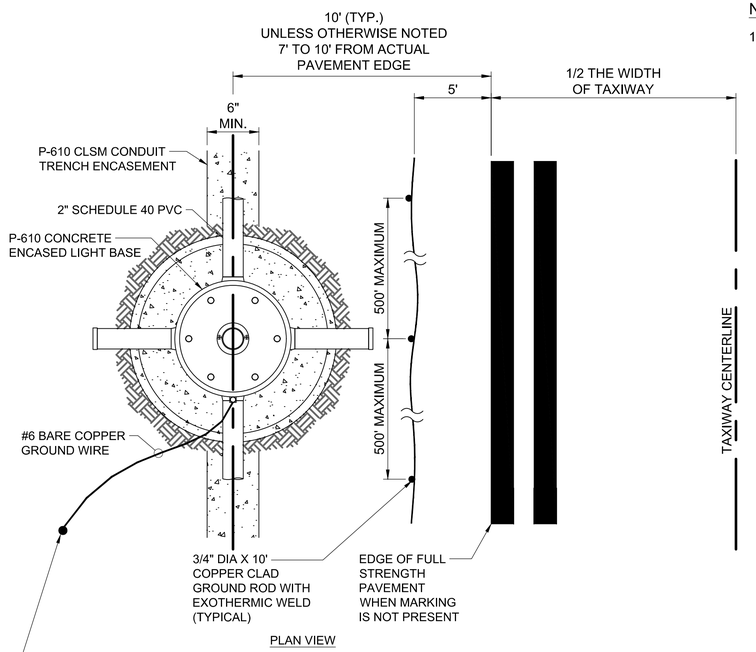
1. EXCAVATE 33" DEEP x 24" DIAMETER HOLE. ALLOWING FOR A PRE-CAST CONCRETE ENCASED LIGHT BASE 24" DEEP WITH 6" OF ENCASEMENT ALL AROUND. COMPACT BOTTOM OF LIGHT BASE EXCAVATION. FURNISH AND INSTALL 4" OF P-209 AGGREGATE AND COMPACT AFTER COMPACTION OF LIGHT BASE EXCAVATION.
2. USE MANUFACTURER'S SETTING JIG (OR OTHER DEVICE APPROVED BY RPR) FOR PROPERLY ALIGNING THE LIGHT BASE AND TO PREVENT MOVEMENT DURING BACKFILL. LIGHT BASE SHALL SIT PLUMB AND LEVEL.
3. ALLOW FOR TOP OF LIGHT BASE TO SIT 1" ABOVE FINISHED GRADE.
4. INSTALL PVC CONDUIT CONNECTING LIGHT BASES AS SHOWN ON LAYOUT. NO SHARP ANGLES SHALL BE MADE IN CONNECTING CONDUIT TO A NEW LIGHT BASE THAT MIGHT INHIBIT PULLING CABLE.
5. INSTALL COUNTERPOISE AND GROUND. SEE DETAIL ON THIS DRAWING.
6. ALL LIGHT BASES SHALL BE PROPERLY POSITIONED, ALIGNED, AND INSPECTED PRIOR TO BACKFILL. ANY BASE INSTALLED INCORRECTLY SHALL BE REMOVED AND REINSTALLED ACCORDING TO DESIGN CRITERIA.
7. BACKFILL AND COMPACT AROUND PRECAST LIGHT BASE. ENCUSRE LIGHT BASE HAS NOT MOVED.

NOTES FOR STEP 2:

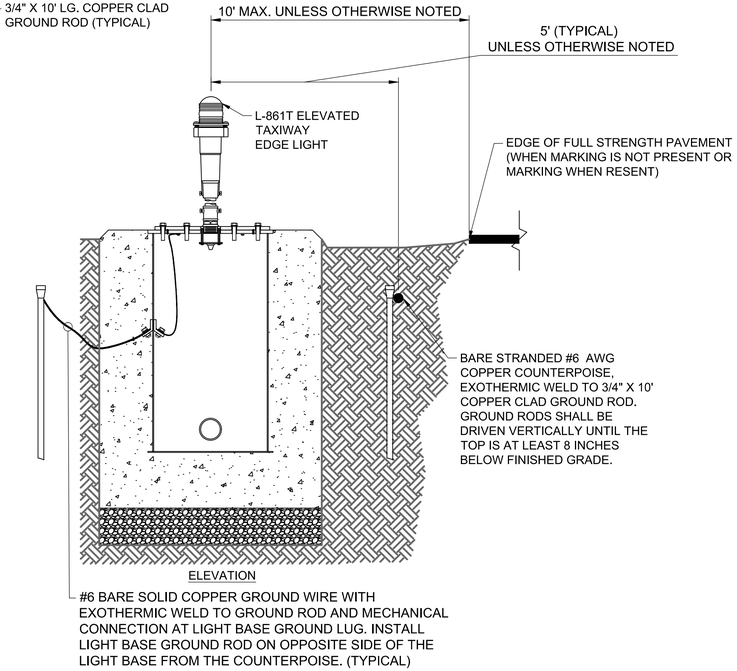
1. INSTALL LIGHT FIXTURE, ISOLATION TRANSFORMER, AND CONNECT TO NEW CABLE USING L-823 CONNECTORS.
2. CONTRACTOR SHALL USE STAINLESS STEEL BOLTS AND MANUFACTURER RECOMMENDED TORQUE FOOT LBS TO INSTALL ELEVATED LIGHT AND COVER PLATE TO LIGHT BASE.

NOTES:

1. FOR ELECTRICAL GENERAL NOTES, ABBREVIATIONS AND SCHEDULES, SEE SHEETS EG101 AND EG102.



PLAN VIEW



ELEVATION

TYPICAL TAXIWAY EDGE LIGHT COUNTERPOISE INSTALLATION DETAIL

NOT TO SCALE

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REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

BID DOCUMENTS

WESTCHESTER COUNTY AIRPORT

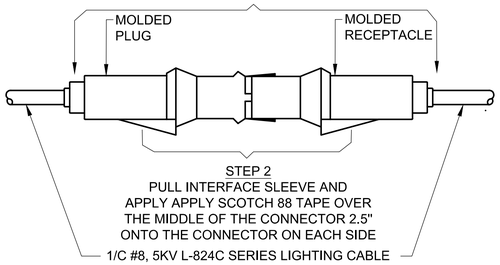
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

ELECTRICAL INSTALLATION DETAIL 4

CONTRACT NUMBER:	SHEET NUMBER:
25-503	ES404
DWG NO.:	95 of 99
SCALE: NONE	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-E-593-0	REV. NO. 0

FILE NAME: J:\2024f\2024-0267.01-Westchester_JKL_Rehab_RW16_34\10-Design\Drawings\WorkingDocuments\HPN\HPN-ES401_ES407-ELECTRICAL INSTALLATION DETAILS.dwg LAYOUT NAME: 48-11-E-593-0 USER: jbernhardt PLOTTED: Friday, February 21, 2025 - 3:25pm



TYPICAL DETAILS FOR SPLICING OF 1/C #8, 5KV SERIES LIGHTING CABLE VIA L-823 CONNECTOR KIT

NOT TO SCALE

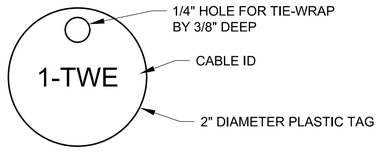
SPLICER TRAINING CARD

I, _____(PRINT NAME)_____CERTIFIED I HAVE WATCHED THE L-823 CONNECTOR INSTALLATION INSTRUCTIONAL VIDEO AND HAVE PERFORMED A SPLICE IN TEH PRESENCE OF THE RPR TO DEMONSTRATE MY ABILITY TO CORRECTLY ASSEMBLE AN L-823 CONNECTOR.

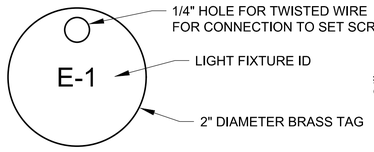
_____ SPLICER SIGNATURE

_____ RPR SIGNATURE

_____ DATE



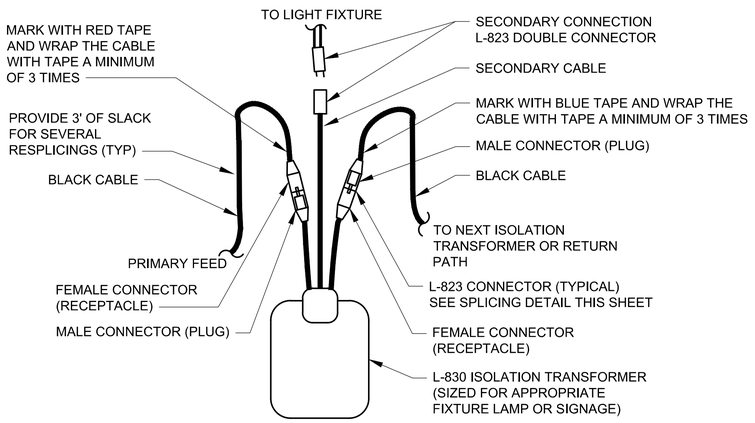
CABLE TAG



ELEVATED LIGHT FIXTURE TAG

ELEVATED LIGHT FIXTURE TAG

NOT TO SCALE



TYPICAL ISOLATION TRANSFORMER DETAIL

NOT TO SCALE

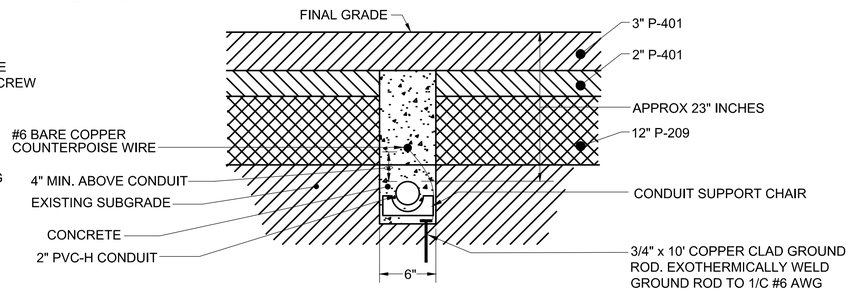
SPLICE KIT SPECIFICATIONS:

CONNECTOR SHALL BE PLUG AND RECEPTACLE TYPE IN ACCORDANCE WITH FAA SPECIFICATION. SUBMIT CATALOG CUT SHEET AND PRODUCT SAMPLE FOR APPROVAL AND TESTING. CONNECTOR KIT SHALL BE APPLIED IN ACCORDANCE WITH SERIES LIGHTING CABLE MANUFACTURERS INSTRUCTIONS. ACTUAL OUTSIDE DIAMETER (OVER JACKET) OF SERIES LIGHTING CABLE SHALL BE USED TO DETERMINE CONNECTOR KIT SIZE REQUIREMENT. PENCILING OF CABLE IS NOT ALLOWED.

CABLE DIAMETER	
MIN.	MAX.
0.320	0.430

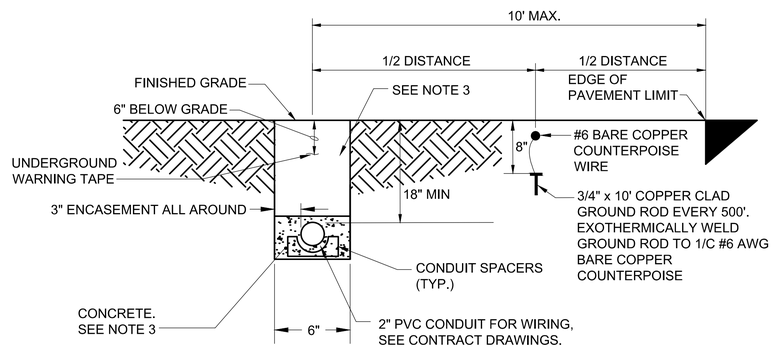
SPLICE KIT NOTES:

1. CONNECTION OF CONDUCTORS SHALL BE MADE BY USING CRIMP CONNECTORS AND A CRIMPING TOOL APPROVED BY THE CONNECTOR/LUG MANUFACTURER. THE TOOL SHALL PRODUCE A COMPLETE CRIMP BEFORE IT CAN BE REMOVED. THE CRIMPING TOOL USED SHALL BE LISTED BY THE L-823 KIT MANUFACTURER. MAKE THE NUMBER AND TYPE OF CRIMPS PER THE KIT MANUFACTURER. CLEAN CABLES PRIOR TO CRIMPING USING MANUFACTURER APPROVED METHOD. TO ELIMINATE NICKS AND CUTS ON WIRE, USE CABLE END STRIPPER RECOMMENDED BY SERIES LIGHTING CABLE MANUFACTURER. USE OF A KNIFE OR BLADE TO STRIP CABLES IS NOT ALLOWED.
2. ALL PERSONNEL WHO WILL BE PERFORMING SPLICING OF THE SERIES LIGHTING CABLE AND THE INSTALLATION OF L-823 CONNECTORS SHALL DEMONSTRATE THIS ABILITY TO THE RPR IN A TRAINING SESSION.
3. THE TRAINING SESSION SHALL BE NO LONGER THEN A HALF HOUR AND INCLUDE WATCHING AN INSTRUCTIONAL VIDEO AND THEN PERFORMING A SPLICE FOLLOWING THE MANUFACTURER'S INSTRUCTIONS.
4. THE RPR SHALL RECORD EACH PARTICIPANTS NAME AND PROVIDE THEM WITH A 'SPLICER TRAINING CARD', WHICH THE INDIVIDUAL WILL HAVE TO CARRY ON THEM AT ALL TIMES.
5. ALL PERSONNEL WHO WILL BE PERFORMING SPLICING SHALL HAVE THEIR OWN PENCILING TOOL AND HAND HELD CRIMPER. NO SHARING OF THESE TOOLS WILL BE ALLOWED. THESE TOOLS SHALL BE AS RECOMMENDED BY THE L-823 CONNECTOR MANUFACTURER.
6. THE TRAINING SESSION INCLUDING THE ABILITY TO VIEW THE VIDEO, THE TIME OF THE SESSION, TOOLS AND SPLICER TRAINING CARD SHALL BE AT NO ADDITIONAL COST TO THE AIRPORT.



TYPICAL CONDUIT TRENCHING IN PAVED AREAS DETAIL

NOT TO SCALE

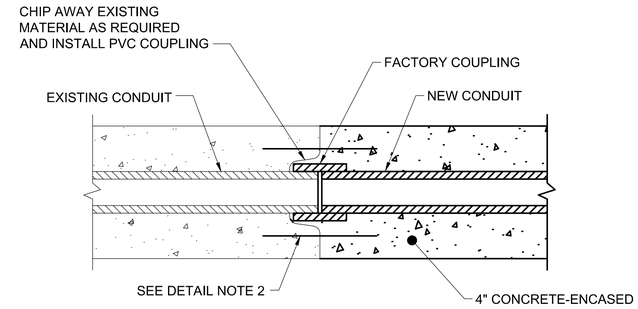


TYPICAL PVC CONDUIT INSTALLATION FOR TAXIWAY EDGE LIGHTS IN UNPAVED AREAS DETAIL

NOT TO SCALE

NOTES:

1. FOR ELECTRICAL GENERAL NOTES, ABBREVIATIONS AND SCHEDULES, SEE SHEETS EG101 AND EG102.
2. AFTER ESTABLISHING ALL CONDUIT PENETRATIONS, SEAL OPENINGS WITH WATERTIGHT SEALANT.
3. FOR TRENCHING, EARTH OR CONCRETE FILL, AND PAVEMENT RESTORATION, REFER TO CIVIL SHEETS.

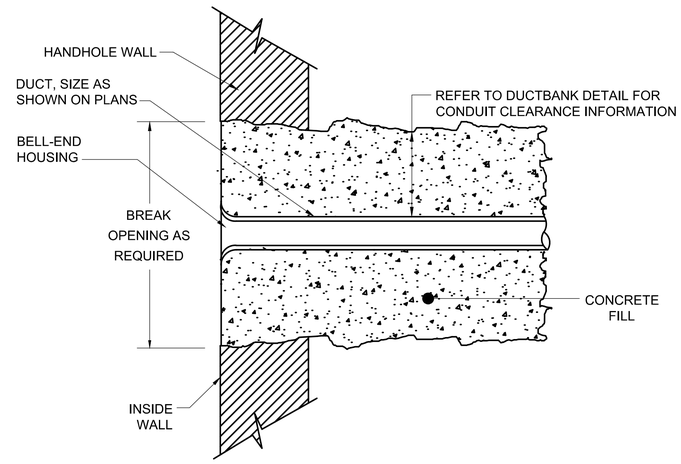


TYPICAL CONDUIT SPLICE

NOT TO SCALE

NOTES FOR DUCT SPLICE:

1. CHIP AWAY EXISTING CONCRETE ENCASEMENT AROUND CONDUIT FOR COUPLING, TAKING CARE NOT TO DAMAGE CONDUIT.
2. #4 REBAR (TOP AND BOTTOM) SHALL BE DRILLED AND EPOXIED MINIMUM 12" INTO EXISTING CONCRETE ENCASEMENT. FOUR BARS, ONE EACH CORNER, TOTAL.
3. USE FACTORY COUPLING TO CONNECT NEW CONCRETE ENCASED CONDUIT OR DUCTBANK TO EXIST CONCRETE ENCASED DUCTBANK. LIQUIDTIGHT FLEXIBLE METALLIC CONDUIT SHALL NOT BE USED.



DUCT ENTRY DETAIL AT EXISTING MANHOLE OR HANDHOLE

NOT TO SCALE

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REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

BID DOCUMENTS

WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
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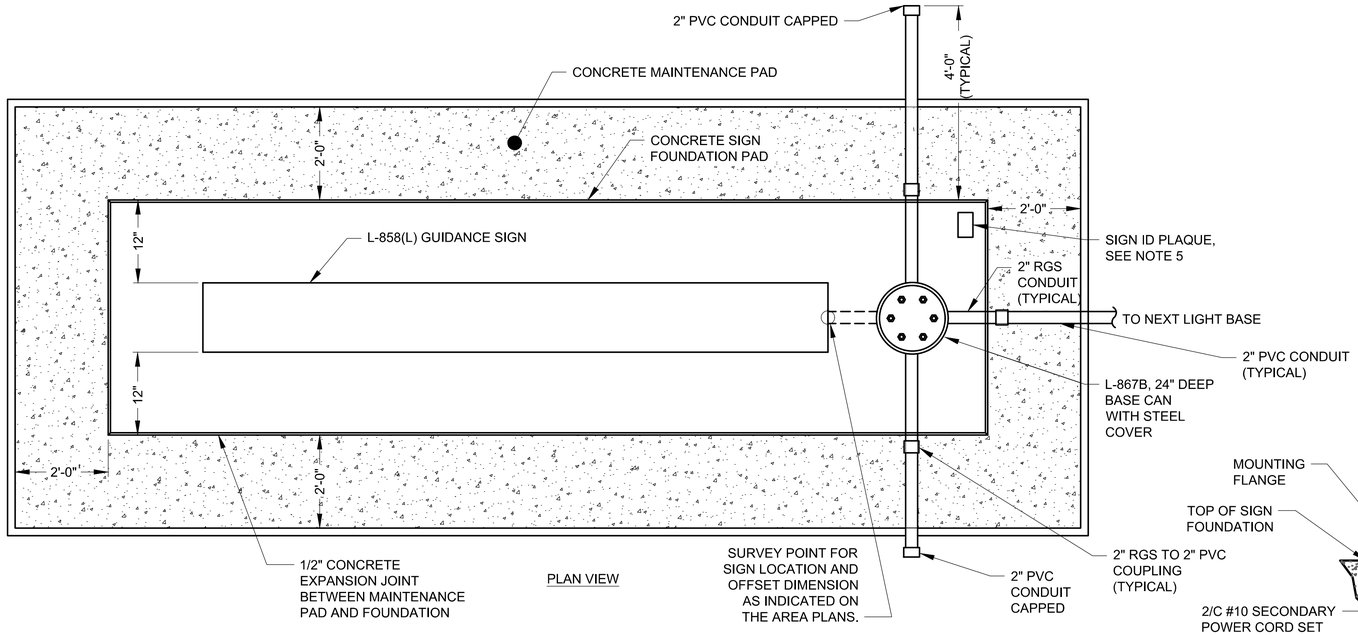
DIVISION OF ENGINEERING

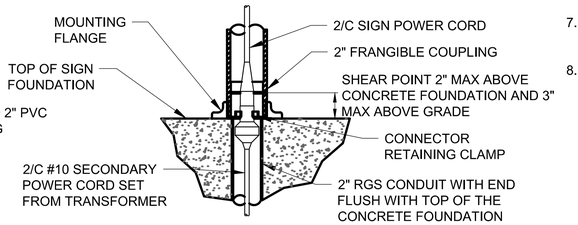
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

ELECTRICAL INSTALLATION DETAIL 5

CONTRACT NUMBER:	SHEET NUMBER:
25-503	ES405
DWG NO.:	96 of 99
SCALE: NONE	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-E-594-0	REV. NO. 0

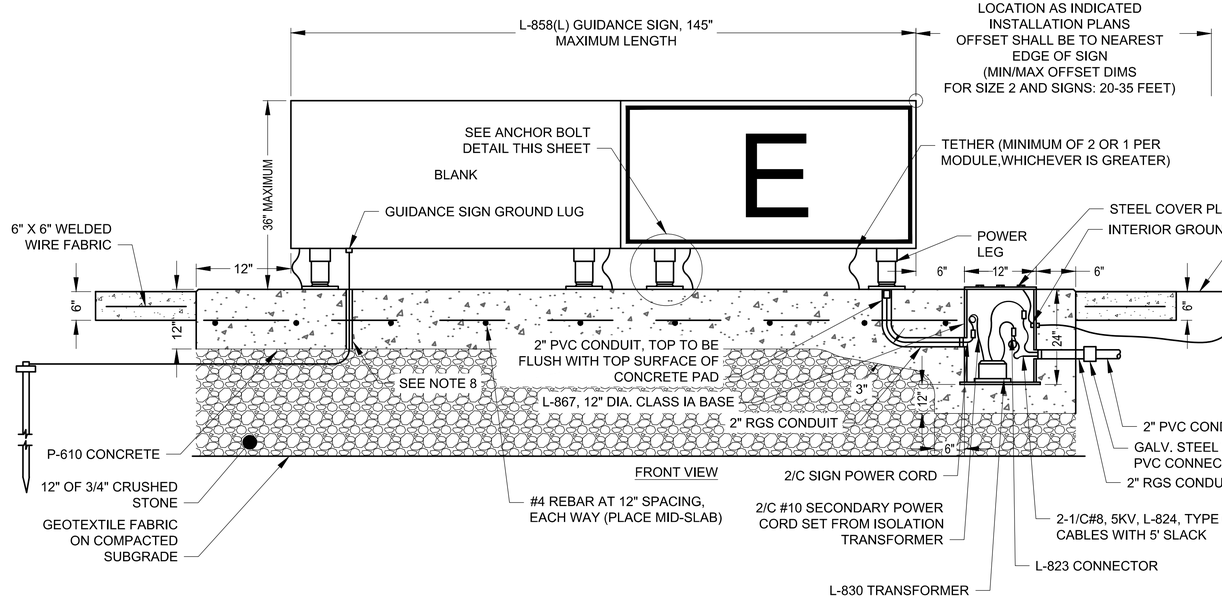


PLAN VIEW



SIGN POWER LEG DETAIL

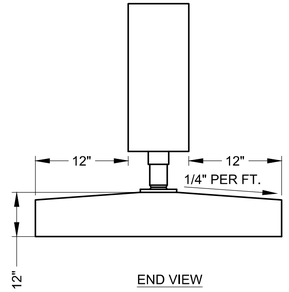
NOT TO SCALE



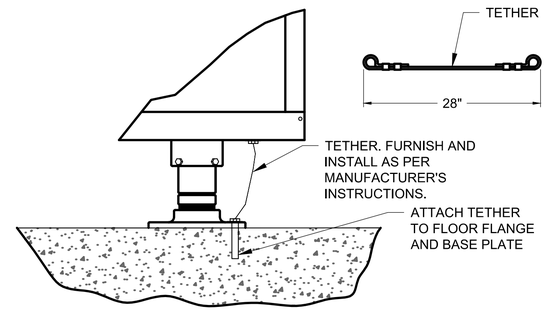
FRONT VIEW

GUIDANCE SIGN DETAIL

NOT TO SCALE

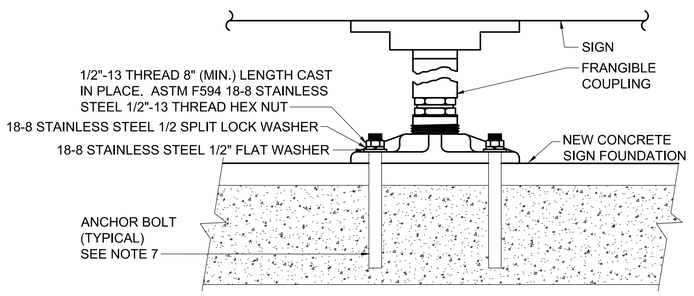


END VIEW



SIGN TETHER INSTALLATION DETAIL

NOT TO SCALE



ANCHOR BOLT DETAIL

NOT TO SCALE

NOTES:

1. FOR ELECTRICAL GENERAL NOTES, ABBREVIATIONS AND SCHEDULES, SEE SHEETS EG101 AND EG102.
2. INSTALLATION OF SINGLE AND DOUBLE FACE SIGNS IS SIMILAR.
3. INSTALLATION OF SIGN AND SIGN FOUNDATION IS DIAGRAMMATIC ONLY. REFER TO SIGN MANUFACTURER'S MANUAL FOR MOUNTING INSTRUCTIONS. INSTALL SIGN FOUNDATIONS LEVEL WITH HORIZONTAL.
4. SIGN CIRCUIT FEEDER CONDUIT ENTRY LOCATIONS INTO L-867 BASE CANS SHOWN ON ELECTRICAL CONTRACT DWGS ARE FOR CLARITY ONLY. DETERMINE ACTUAL ENTRY LOCATION FOR EACH CAN IN THE FIELD AND CAP REMAINING UNUSED CONDUIT OPENINGS.
5. FURNISH AND INSTALL A SIGN IDENTIFICATION PLAQUE FOR EACH FOUNDATION INDICATING THE ASSOCIATED SIGN NUMBER. THE PLAQUE SHALL BE A 3" FLAT BRASS CAST CORRUGATED STEM MARKER, SURV-KAP MODEL NO. M/M-BCS-3F, OAE. SUBMIT SHOP DRAWINGS FOR APPROVAL INDICATING LOCATION ON THE FOUNDATION, AND LETTERING TYPE AND HEIGHT.
6. DIMENSIONS PROVIDED FOR REFERENCE, LOCATE THE POWER LEG USING THE SIGN MANUFACTURER'S TEMPLATE OR DIMENSIONS. PRIOR TO FABRICATION OF THE FOUNDATIONS AND SUBMITTING SHOP DRAWINGS, COORDINATE THE LOCATION OF THE SIGN POWER LEG, FOUNDATION POWER LEG CONDUIT, L-867 LIGHT BASE, AND SIGN PLACEMENT ON THE FOUNDATION. SUBMIT BOTH THE GUIDANCE SIGN FOUNDATION AND GUIDANCE SIGN SHOP DRAWINGS AT THE SAME TIME TO THE ENGINEER FOR REVIEW AND APPROVAL.
7. ANCHOR BOLTS SHALL BE AS RECOMMENDED BY MANUFACTURER, BUT MINIMUM 8 INCHES LONG, 1/2 INCH DIA. STAINLESS STEEL.
8. PROVIDE 1 INCH PVC CONDUIT THROUGH FOUNDATION FOR GROUND WIRE. INSTALL #6 BARE SOLID COPPER GROUND WIRE CONNECTED TO SIGN AT SIGN GROUND LUG AND TO 3/4 INCH DIA. X 10 FOOT GROUND ROD WITH EXOTHERMIC WELD.

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Digitally signed by Maria V. Montoya
Date: 2025.02.21 15:54:36-05'00'

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

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WESTCHESTER COUNTY AIRPORT

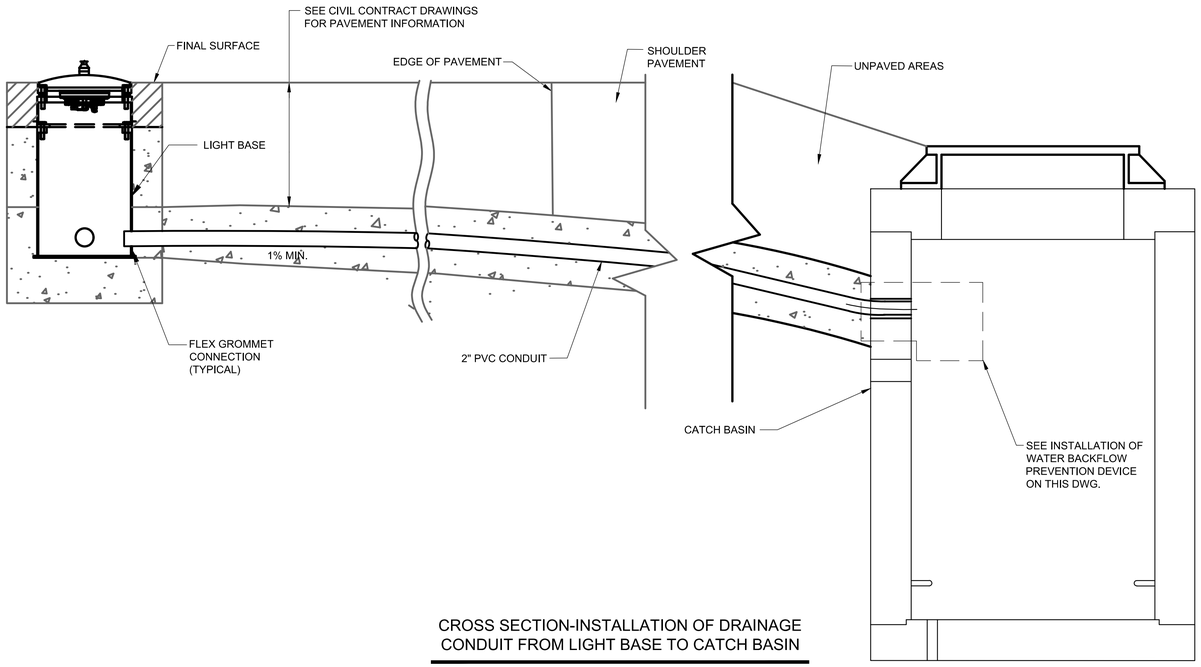
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK
ELECTRICAL INSTALLATION DETAIL 6

CONTRACT NUMBER:	SHEET NUMBER:
25-503	ES406
DWG NO.:	97 of 99
SCALE: NONE	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-E-595-0	REV. NO. 0

FILE NAME: J:\2024f\2024-0267.01-Westchester_JKL_Rehab_RW16_34\10-Design\Drawings\WorkingDocuments\HPN\HPN-ES401_ES407-ELECTRICAL INSTALLATION DETAILS.dwg LAYOUT NAME: 48-11-E-595-0 USER: jbernhardt PLOTTED: Friday, February 21, 2025 - 3:25pm

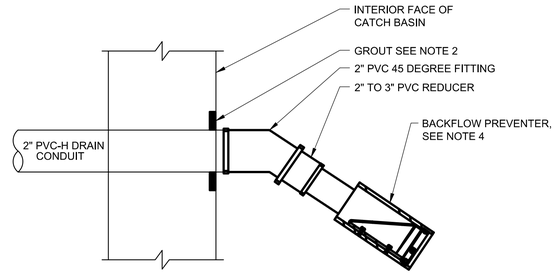
NOTES:

1. FOR ELECTRICAL GENERAL NOTES, ABBREVIATIONS AND SCHEDULES, SEE SHEETS EG101 AND EG102.
2. GROUT, SHALL BE NON-SHRINK, NON-METALLIC GROUT IN CONFORMANCE WITH ASTM C1107.
3. FURNISH AND INSTALL BACKFLOW PREVENTION DEVICE AT DRAINAGE CONDUIT ENTRANCE. MATCH DRAINAGE CONDUIT DIAMETER SIZE.
4. BACKFLOW PREVENTER SHALL BE WAPRO WS75 PVC-SPEC, WASTOP 3 WITH ELBOW, OAE.
5. FOR LOCATIONS OF ELECTRICAL DRAINAGE LINES, REFER TO CONTRACT DRAWING NOS. ES101 THRU ES106.



CROSS SECTION-INSTALLATION OF DRAINAGE CONDUIT FROM LIGHT BASE TO CATCH BASIN

NOT TO SCALE



INSTALLATION OF WATER BACKFLOW PREVENTION DEVICE IN THE CATCH BASIN

NOT TO SCALE

INSTALLATION PROCEDURE FOR DRAINAGE CONDUIT IN PAVED AND UNPAVED AREAS

DRAINAGE CONDUIT INSTALLATION:

1. THE CONSTRUCTION AS DESCRIBED HEREINAFTER IN THIS PHASE SHALL BE PERFORMED IN PAVED AND UNPAVED AREAS.
2. FURNISH AND INSTALL A SUFFICIENT QUANTITY OF WATERPROOF TARPAULIN OR OTHER APPROVED MEANS OF PREVENTING BLOWN SAND, WATER AND OTHER FOREIGN MATERIALS FROM ENTERING THE KERFS AND CORED HOLES.
3. CONDUIT SHALL MAINTAIN A MINIMUM SLOPE OF 1% FROM LIGHT BASE TO CATCH BASIN.
4. FURNISH AND INSTALL 2" PVC CONDUIT FROM LIGHT BASE TO CATCH BASIN.
5. CONDUIT IS PERMITTED TO DROP AS REQUIRED TO ALLOW FINAL CONNECTION TO CATCH BASIN, SHOULD THE NEAR LIGHT BASE BE 10'-0" OR LESS FROM EDGE OF CATCH BASIN.
6. FURNISH AND INSTALL BACKFLOW PREVENTION DEVICE INSIDE CATCH BASIN. EXISTING PROJECTED DRAINPIPE INSIDE CATCH BASIN SHALL BE FLUSHED WITH CATCH BASIN WALL SO THAT BACKFLOW PREVENTION DEVICE MAY BE INSTALLED.
7. SUBMIT SHOP DRAWINGS FOR APPROVAL OF THE ENGINEER.

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STATE OF NEW YORK MARIAN MONTOYA 105154 LICENSED PROFESSIONAL ENGINEER
Digitally signed by Marian Montoya
Date: 2025.02.21 15:54:40-05'00'

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

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DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
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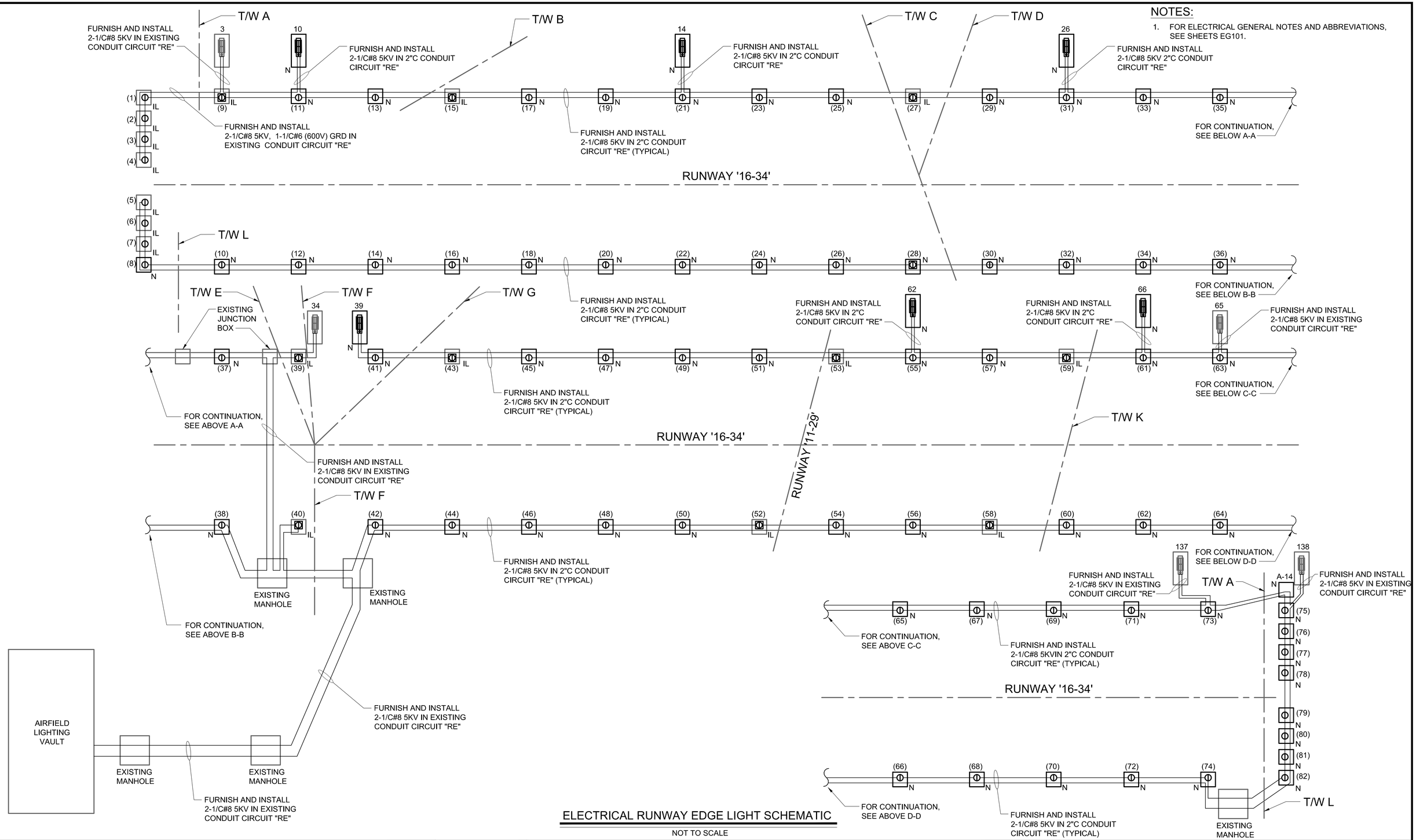
RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

ELECTRICAL INSTALLATION DETAIL 7

CONTRACT NUMBER: 25-503	SHEET NUMBER: **ES407**
DWG NO.:	98 of 99
SCALE: NONE	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-E-596-0	REV. NO. 0

FILE NAME: J:\2024f\2024-0267.01-Westchester_JKL_Rehab_RW16_34\10-Design\Drawings\WorkingDocuments\HPN\HPN-ES401_ES407-ELECTRICAL INSTALLATION DETAILS.dwg LAYOUT NAME: 48-11-E-596-0 USER: jbernhardt PLOTTED: Friday, February 21, 2025 - 3:25pm



NOTES:

1. FOR ELECTRICAL GENERAL NOTES AND ABBREVIATIONS, SEE SHEETS EG101.

ELECTRICAL RUNWAY EDGE LIGHT SCHEMATIC

NOT TO SCALE

JKL
JOHNSON, KUKATA & LUCCHESI ENGINEERS, PC
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SEAL: STATE OF NEW YORK — MANUEL MONTOYA — LICENSED PROFESSIONAL ENGINEER — NO. 105154 — Digitally signed by Manuel Montoya Date: 2025.02.21 15:54:44-05'00'

BID DOCUMENTS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

WESTCHESTER COUNTY AIRPORT

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

RUNWAY 16/34 SHOULDERS AND EDGE LIGHTING REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

ELECTRICAL RUNWAY EDGE LIGHTING SCHEMATIC

CONTRACT NUMBER:	SHEET NUMBER:
25-503	ES501
DWG NO.:	99 of 99
SCALE: NONE	
DATE: FEBRUARY 2025	
DPW FILE NO.: 48-11-E-597-0	REV. NO. 0

FILE NAME: J:\2024f\2024-0267.01-Westchester_JKL_Rehab_RW16_34\10-Design\Drawings\WorkingDocuments\HPN\HPN-ES501-ELECTRICAL SCHEMATIC.dwg LAYOUT NAME: 48-11-E-597-0 USER: jbernhardt PLOTTED: Friday, February 21, 2025 - 3:25pm