

ADDENDUM NO. 03
TO THE
CONTRACT DOCUMENTS

FOR
TAXIWAY A REHABILITATION (WEST)

AT
SYRACUSE HANCOCK INTERNATIONAL AIRPORT
SYRACUSE, NEW YORK

FAA AIP No. 3-36-0114-160-2021 (Design)
FAA AIP No. 3-36-0114-166-2022 (Design)

IFB Reference #2023-17

MJ Project No. 18831.06

AUGUST 11, 2023

**SYRACUSE HANCOCK INTERNATIONAL AIRPORT
ONONDAGA COUNTY
SYRACUSE, NEW YORK**

TAXIWAY A REHABILITATION (WEST)

TABLE OF CONTENTS

1. Instructions
2. Pre-Bid Meeting Minutes
3. Questions Received
4. Revisions/Clarifications to Contract Plans
5. Revisions/Clarifications to Contract Specifications
6. Attachments

ADDENDUM NO. 03
AUGUST 11, 2023

1. INSTRUCTIONS TO ALL HOLDERS OF CONTRACT DOCUMENTS

TO ALL HOLDERS OF CONTRACT DOCUMENTS:

Your attention is directed to the following interpretations of, changes and additions to the Contract Documents for the project, "TAXIWAY A REHABILITATION (WEST)" at Syracuse Hancock International Airport (SYR) in Syracuse, New York.

This Addendum constitutes part of the Contract Documents. Should conflicts occur between the Specifications or Drawings with items in the Addendum, the Addendum shall govern. Bidders shall examine carefully all items and determine for themselves what sub-bidders are affected, and notify all bidders or sub-bidders of clarifications, interpretations, or revisions affecting their work. Work described in this Addendum shall be in accordance with specifications for like items unless stated otherwise. Bidders must acknowledge receipt of this addendum (including date) on page 03-20 of the Proposal Form. Failure of the Bidder to acknowledge this Addendum may result in rejection of the Bid for non-responsiveness.

2. PRE-BID MEETING MINUTES

Pre-Bid Meeting Minutes and Sign-in Sheet have been attached to this Addendum.

3. QUESTIONS RECEIVED

The following questions were received via email:

Q1: I am bidding the above project and I have questions on base cans. Per Spec 125-2.6 the base cans are class 1A size B – but the plans page ED-01 detail 2 – Calls out for 24” L-867 class 1B size B – which is correct? ED-01 – Basis for Design – note 2 – calls out for L-868 class 1A size B – Which is correct?

But the plan page ED-02 step 2 – Calls out for either a 10” (detail) or 12” (note 1) – which is correct?

ED-02 Step 2 – calls out for L-868 1A size B with 11-1/4” bolt circle but in the notes on the right side of the Basis for Design – Calls out for L-867 1A size B with 10-1/4” bolt circle – Which is correct?

But plan page ED-02 Basis for Design calls out for Style 3 inset but the Bolt Detail #2 calls out for Style 2 snow plow ring. – Which is correct? Please advise via addendum.

A1: All cans on the project (L-867 and L-868 type) shall be Class 1A, Size B. ED-01, Detail 2 and Basis for Design table have been revised accordingly.

Cans for in-pavement guard lights shall be 12” diameter, L-868 base, Class IA.

“Elevated Runway Guard Light Installation Procedures” Notes 1 through 7 have been removed from ED-02 and do not apply to the project.

Snow plow rings shall be installed for all in-pavement guard lights. The correct Style is 2 – ¼ inch to ½ inch above finished grade. ED-02 Basis for Design Runway Guard Lighting table has been updated accordingly.

Q2: One more question - Who is the manufacture of the TWY lights to be modified? And is there a detail for the modification? Please advise via addendum?

A2: Existing taxiway edge lights are a mix of Crouse-Hinds and Manairco. The retrofit item consists of replacement of the fixture, housing, stem, base plate, and transformer. The existing base can and associated wire and conduit are to remain.

Q3: I have the following RFI: Forms A-1 & A-2 to be submitted with the bid cannot be found in the proposal documents, please supply bid forms.

A3: Appendix C Disadvantaged Business Enterprise (DBE) Program has been attached to this Addendum. Appendix C contains all required forms for the proposal.

**Syracuse Hancock International Airport
Taxiway A Rehabilitation (West)
Addendum No. 3**

Q4: I am emailing in regards to the Syracuse Airport Taxiway Rehabilitation project that is bid on 8/16/23. Can you please clarify how contractors are to submit questions for RFI? Your contact emails are listed in the specification, along with the requirement for submitting questions through Bid Express. Who shall I direct my questions to?

A4: Any questions regarding bidding of this project shall be submitted through bids@syairport.org.

4. REVISIONS/CLARIFICATIONS TO CONTRACT PLANS

Revisions and Clarifications:

1. REPLACE Drawing IN-01, Drawing Sheet Index and Quantity Table, in its entirety, with Drawing IN-01A.

Clarification: The Quantity Table has been updated to reflect the addition of Item C-102-3 and the revision of quantities for Items P-401-1 and L-115-31

2. REPLACE Drawings CS-01 through CS-06, Construction Safety and Phasing Plans, in their entirety, with Drawings CS-01A through CS-06A.

Clarification: The 'Work Items/Sequence of Construction – This Phase' Table has been updated on Drawings CS-01A through CS-05A to remove an erroneous entry referencing paved shoulders and replace it with an entry referencing the proposed work. The 'Phase Requirements' Table has been updated on Drawing CS-06A to correct the erroneous 'Phase' entry.

3. REPLACE Drawings DE-01 through DE-04, Existing Conditions and Demolition Plans, in their entirety, with Drawings DE-01A through DE-04A.

Clarification: A keyed note referring to an unused item number has been lined out to avoid confusion.

4. REPLACE Drawings TS-01 and TS-02, Typical Sections and Pavement Details, in their entirety, with Drawings TS-01A and TS-02A.

Clarification: Details have been updated to reflect dimensional changes in the full-strength pavement section.

5. REPLACE Drawing GD-02, Grading & Erosion Control Details, in its entirety, with Drawing GD-02A.

Clarification: Relevant item numbers have been added and detail notes clarified.

6. REPLACE Drawing DR-02, Drainage Details, in its entirety, with Drawing DR-02A.

Clarification: 'Existing Removal' detail has been updated to remove an unused item number and associated detail drawing.

7. REPLACE Drawings EP-01 and EP-03, Electrical and Lighting Plans, in their entirety, with Drawings EP-01A and EP-03A.

Clarification: Additional electrical manholes have been symbolized for adjustment and some callouts were clarified.

8. REPLACE Drawings ED-01 through ED-04, Electrical Details, in their entirety, with Drawings ED-01A through ED-04A.

**Syracuse Hancock International Airport
Taxiway A Rehabilitation (West)
Addendum No. 3**

Clarification: Details and notes have been revised to reflect correct equipment specifications and address erroneous discrepancies. Additional details pertaining to Runway Guard Lights have been added. Detail sheet numbers have been revised on individual detail labels to correct erroneous entries.

9. REPLACE Drawing MK-03, Marking Plan, in its entirety, with Drawing MK-03A.

Clarification: A callout has been added to identify and describe proposed shoulder markings.

5. REVISIONS/CLARIFICATIONS TO CONTRACT SPECIFICATIONS

Front End Revisions:

1. REPLACE Unit Bid Tabulation sheets 03-2-1 through 03-2-16 (Base Bid), in their entirety, with Unit Bid Tabulation Sheets 03-2-1A through 03-2-16A (Base Bid).

Clarification: Item C-102-3, 'Seed and Mulch – Temporary', and its associated quantities in the Base Bid, are new. Item P-401-1 'Asphalt Surface Course' and Item L-115-31 'Adjust Existing Electrical Manhole' have revised quantities.

2. ADD Appendix C Disadvantaged Business Enterprise (DBE) Program forms.

Clarification: Appendix C DBE Program and associated required proposal Form A-1 and Form A-2 not included with original bid documents.

Technical Specification Revisions:

1. REPLACE Specification C-102 in its entirety with revised Specification C-102.

Clarification: Added pay item C-102-3 Seed and Mulch – Temporary.

6. ATTACHMENTS

1. Pre-Bid Meeting Minutes and Sign-In Sheet
2. Reissued Plan Sheets
 - a. IN-01A
 - b. CS-01A through CS-06A
 - c. DE-01A through DE-04A
 - d. TS-01A and TS-02A
 - e. GD-02A
 - f. DR-02A
 - g. EP-01A and EP-03A
 - h. ED-01A through ED-04A
 - i. MK-03A
3. Reissued Specifications
 - a. Appendix C Disadvantaged Business Enterprise (DBE) Program
 - b. Unit Bid Tabulation sheets 03-2-1A through 03-2-16A
 - c. Technical Specification C-102

END OF ADDENDUM No. 3

**Syracuse Hancock International Airport
Taxiway A Rehabilitation (West)
Project Pre-Bid Meeting Minutes – August 7, 2023 (11:00 A.M.)**

I. Sign-in Sheet:

See attached meeting sign-in sheet.

II. Project Description:

The project consists of a single Base Bid. A general description of the major work items is as follows:

- **Base Bid:**
 - Rehabilitation of Taxiway A West including Taxiways V, Q, R, and W via a mill and strengthening overlay
 - Geometric updates to Taxiway/Taxiway intersections
 - Underdrain installation along the edge of TW A and connecting taxiways
 - Drainage quantity / quality features including grading, infiltration trenches, and closed drainage system modifications
 - Pavement grooving
 - Replacement of the TW A edge lighting system with LED fixtures
 - Installation of a new Runway Guard Light circuit
 - Installation of in-pavement guard lights (at TW V)
 - New airfield guidance signs including accommodations for a future TW redesignation
 - Replacement of constant current regulators (CCRs) in the electrical vault
 - Permanent pavement markings including preformed thermoplastic surface painted hold signs
 - Permanent topsoil and seed

III. Relationships

- A. The Owner:** Syracuse Regional Airport Authority
- B. Grant Agencies:** Federal Aviation Administration
New York State Department of Transportation
- C. Engineer:** McFarland-Johnson, Inc.
- D. Contractor:** to be awarded as a single contract with the Syracuse Regional Airport Authority

IV. Items included in the Bid

The contract bid items include in general:

- A. Maintenance and Protection of Traffic:**
 - 1. In order to enhance safety during construction and minimize impacts on Airport operations caused by construction, the project has been divided into two (2) phases encompassing six (6) work areas:
 - a. Phases 1A – 1D – Rehabilitation of TW A in segments

- 1A and 1B run concurrently, all others are consecutive
- Entrance through Gate 108 (end of cargo complex)
- Access routing signage and escorts required
- Will cross active non-movement areas where flaggers will be required (cargo apron / south terminal apron)
- Staging area west of the cargo apron is available
- All work areas are available 24 hours/day once closed with the exception of Phase 1B which is the intersection with the taxiway to Millionair. Work within this intersection will be completed during nightly closures.

b. Phase 1E (Base Bid) – Work within the RW 10-28 Safety Area

- In-pavement guard light system (TW V)
- Paving within the RSA
- Additional edge lighting work with the RSA
- 10-28 closed full length
- Work within the work area is available 24 hours/day.

c. Phase 2A – Grooving TW intersections

- Follows same phasing layouts as previous phases

2. Liquidated damage clauses have been included for work beyond the completion times of individual phases and are as follows:

- Phase 1 A-D \$5,000 per Calendar Day
- Phase 1 B \$2,000 per 15-minute increment (nights)
- Phase 1 E \$10,000 per Calendar Day
- Phase 3 \$5,000 per Calendar Day

3. All vehicles operating on the airport shall be appropriately marked including a 3' x 3' orange and white checkered flag during the day, and amber rotating beacons at night. All vehicles shall be staged / stored in the designated work area or staging area.

4. Each phase of work will require temporary jumpers to maintain edge lighting to all areas that remain open.

B. Pavements:

- The airfield bituminous pavements items are FAA P-401 mix. Bituminous pavement acceptance criteria includes plant testing and compaction after placement with an quality based payment factor. Any bonus tons earned may be applied against days where payment is less than 100%, but in no case shall the aggregate payment exceed 100% of the tonnage placed. Bitumen for the surface course shall meet PG 76-22.
- The pavement base course is an FAA P-209 crushed aggregate base course.
- There are no cost escalation clauses included in the contract.

C. Project Survey and Stakeout:

- All work must be performed under the direction of a New York State licensed surveyor.
- Contractor should review Item M-150 in the specifications to become familiar with acceptable survey methods.

D. Excavation and Embankment:

- The contractor should familiarize themselves with the compaction requirements within Item P-152 and P-209.
- Unclassified excavation includes stripping of topsoil.

E. Lighting and Signage Improvements:

- This project includes installation of the following electrical items:
 - Elevated LED taxiway edge lights installed in turf
 - Airfield guidance signs. Both replacements and mods.
 - In-pavement guard lights
 - Adjustments of existing elevated guard lights
 - New power feed cables installed in conduit
 - Constant current regulators in the electrical vault building

F. Pavement Markings:

- Includes the following items:
 - Temporary runway and taxiway markings
 - Permanent runway and taxiway markings
 - Preformed thermoplastic holding position sign markings

G. Contractor's Schedule:

- There is an FAA grant in place to fund the project.
- It is anticipated that we will award project in 2023, with the start of work for Phase 1 is anticipated to begin in 2023 and stretch into 2024.
- As per Section 100-04 of the Contract Specifications, Contractor shall provide a construction schedule for all work activities. This schedule shall be submitted to the Engineer for review during the Pre-Construction meeting. The schedule shall be maintained throughout the project to the satisfaction of the Engineer.

H. General Requirements:

- Cleanup of airfield pavements and haul routes is critical on an active airfield and should receive appropriate attention in the bidding process.
- It is anticipated that groundwater control will be required for the placement of deeper items such as piping, duct banks, and manhole/catch basing structures. The contractor shall include groundwater control considerations in their bids.
- Stored materials will be reimbursed by the Owner, however the contractor shall meet the requirements for the stored material payment including paid receipts for the item, it needs to be stored on site in a secured location and protected.
- Active lighting circuits shall be required to remain in service with the contractor's approach requiring approval prior to implementation. This includes the requirement that these services be returned to service during all

hours of darkness or poor visibility. Splicing of new circuits into existing circuits will be coordinated through the engineer and airport operations.

V. Additional Considerations/Topics –

A. Airport Access

- Gates: The contractor shall coordinate all ingress and egress locations and/or access with Airport Operations and the Resident Engineer
- Badging: Employees and Subcontractors working within the AOA will be issued a security badge by the Authority. Each badge has a cost of \$50/each and the process for application / training is now on-line, except for driver training which must be conducted in person. Lost badges will result in a fine of \$1000 per badge if they are not returned to the airport. The contractor shall also be required to provide a list of vehicles that will require access to the construction site. All vehicles are subject to search.
- Haul Routes: During hauling operations, the contractor shall be restricted to the haul routes shown on plans. The contractor shall include in their MPT costs for required flaggers and escorts as noted in the plans and phasing program.
- Millings are the property of the contractor and shall be removed from the site.
- Spoils: Excess spoil material from earthwork operations shall be reused / spoiled on site.

B. General Requirements for review

- Bonding and Insurance – the Contractor is directed to review the requirements for insurance and bonding.
- Prevailing Wages – both State and Federal wage rate schedules are included in the contract documents as both Federal and State funding has been included in the project. The contractor shall be required to pay the higher of the two schedules.
- DBE Goal – 7.1%
- Prime bidders are required to submit a list for the prime and all subcontractor's that lists the firm's name, address, whether or not the firm is a certified DBE firm, age of firm, and annual gross receipts with bids.
- RFI's are to be submitted through the MJ bid portal.
- Design Interpretations/Bidding questions can be addressed to Jared Moore at MJ, jmoore@mjin.com
- Quality Control Plans: the contractor should note that they are required to submit a project quality control plan per Section 100 of the specifications. In general, the Contractor is to provide quality control testing during construction in order to control their operations, and the Engineer shall provide quality assurance testing for acceptance purposes.
- Proposal Submission: All bidders shall submit an original and one (1) copy of all required documents. Copied documents shall be clearly marked "COPY" and bound as a complete set.

- Invoicing with the Authority will typically occur on a monthly basis with each invoice required to include DBE reporting and prompt payment tracking forms for each subcontractor working on the project.

C. Addendum Items

- Pre-bid meeting minutes will be provided as an addendum.

VI. Open Discussion Items

- Question: How much work do you anticipate being completed in 2023?
Response: The Authority would like to complete as much work this year as possible, but the schedule depends upon when the project gets started. This is contingent upon the length of time it takes to get approved shop drawings for the materials being incorporated into the project and the lead time to obtain these materials. Once the project is started the schedule will be evaluated on a phase-by-phase basis as each phase is 2-3 weeks in duration.
- Question: Who will be conducting the field inspection for this project?
Response: The Authority has selected C&S Engineers for inspections services on the project.
- Question: How will the Authority handle longer lead time items on the project? Current lead times on many of the electrical components on an airport are over 8 weeks for delivery.
Response: We would ask that the low bidder communicate the status of longer lead time items to the Authority and Engineer as quickly as possible. We can modify many of the existing electrical plans to omit some components until a later date, but this will require early and frequent communication.

Syracuse Hancock International Airport
 Pre-Bid Meeting
 Taxiway A Rehabilitation (West)
 Monday, August 7, 2023



Name, Title, and Company	E-Mail Address	Phone
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Fanner Dewolf	-dewolf@syraairport.org-	-315-455-3674-
Construction Project Manager-		
SRAA NOT PRESENT		
BRIAN FARRELL	Bfarrell@BarrettPaving.com	315-652-4585
ESTIMATOR		
BARRETT PAVING MATERIALS		
John Stahlbrodt	jstahlbrodt@landex.com	315-952-2414
Project Engineer		
LAT Construction		
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AIRPORT PLANNER		
SRAA		
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Const Manager		
SRAA		

Syracuse Hancock International Airport
 Pre-Bid Meeting
 Taxiway A Rehabilitation (West)
 Monday, August 7, 2023



Name, Title, and Company	E-Mail Address	Phone
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SRAA		
CLIFF PELTON	PELTONC@SYRAIRPORT.ORG	315-455-3661
FACILITIES DIRECTOR		
SRAA		

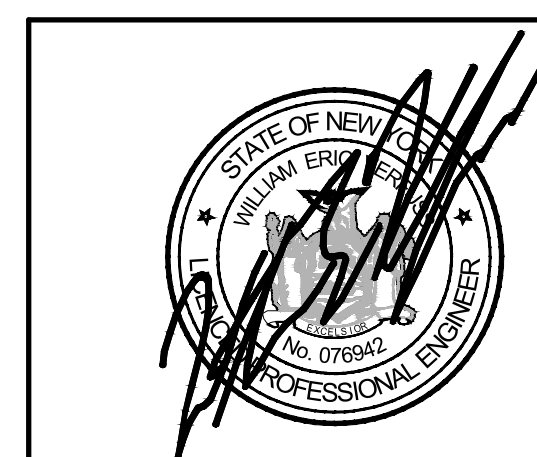
SHEET INDEX		
Sheet No.	Dwg. No.	Sheet Title
1	CV-01	COVER
2	IN-01A	DRAWING SHEET INDEX AND QUANTITY TABLE
3	GP-01	GENERAL PLAN
4	CP-01	HORIZONTAL & VERTICAL CONTROL PLAN - OVERALL
5	GN-01	ABBREVIATIONS AND LEGEND
6	GN-02	GENERAL NOTES
7	CS-00	CONSTRUCTION SAFETY & PHASING PLAN - OVERALL
8	CS-01A	CONSTRUCTION SAFETY & PHASING PLAN - PHASE 1 WORK AREA A
9	CS-02A	CONSTRUCTION SAFETY & PHASING PLAN - PHASE 1 WORK AREA B
10	CS-03A	CONSTRUCTION SAFETY & PHASING PLAN - PHASE 1 WORK AREA C
11	CS-04A	CONSTRUCTION SAFETY & PHASING PLAN - PHASE 1 WORK AREA D
12	CS-05A	CONSTRUCTION SAFETY & PHASING PLAN - PHASE 1 WORK AREA E
13	CS-06A	CONSTRUCTION SAFETY & PHASING PLAN - PHASE 2 WORK AREA A
14	CD-01	CONSTRUCTION SAFETY & PHASING DETAILS - 1
15	CD-02	PHASE 1, WORK AREA D SOUTH DEICING APRON DETAIL
16	CD-03	CONTRACTOR STAGING AREA LAYOUT
17	CN-01	CONSTRUCTION SAFETY & PHASING NOTES - 1
18	CN-02	CONSTRUCTION SAFETY & PHASING NOTES - 2
19	BL-01	BORING LOGS (SHEET 1 OF 3)
20	BL-02	BORING LOGS (SHEET 2 OF 3)
21	BL-03	BORING LOGS (SHEET 3 OF 3)
22	BL-04	TEST PIT LOGS (SHEET 1 OF 2)
23	BL-05	TEST PIT LOGS (SHEET 2 OF 2)
24	DE-01A	EXISTING CONDITIONS & DEMOLITION PLAN (SHEET 1 OF 4)
25	DE-02A	EXISTING CONDITIONS & DEMOLITION PLAN (SHEET 2 OF 4)
26	DE-03A	EXISTING CONDITIONS & DEMOLITION PLAN (SHEET 3 OF 4)
27	DE-04A	EXISTING CONDITIONS & DEMOLITION PLAN (SHEET 4 OF 4)
28	TS-01A	TYPICAL SECTIONS & PAVEMENT DETAILS (SHEET 1 OF 2)
29	TS-02A	TYPICAL SECTIONS & PAVEMENT DETAILS (SHEET 2 OF 2)
30	PR-01	TAXIWAY A PROFILE (SHEET 1 OF 2)
31	PR-02	TAXIWAY A PROFILE (SHEET 2 OF 2)
32	PR-03	CONNECTING TAXIWAY PROFILES
33	GE-01	GEOMETRY PLAN & HORIZONTAL AND VERTICAL CONTROL (SHEET 1 OF 4)
34	GE-02	GEOMETRY PLAN & HORIZONTAL AND VERTICAL CONTROL (SHEET 2 OF 4)
35	GE-03	GEOMETRY PLAN & HORIZONTAL AND VERTICAL CONTROL (SHEET 3 OF 4)
36	GE-04	GEOMETRY PLAN & HORIZONTAL AND VERTICAL CONTROL (SHEET 4 OF 4)
37	GR-01	GRADING & EROSION CONTROL PLAN (SHEET 1 OF 4)
38	GR-02	GRADING & EROSION CONTROL PLAN (SHEET 2 OF 4)
39	GR-03	GRADING & EROSION CONTROL PLAN (SHEET 3 OF 4)
40	GR-04	GRADING & EROSION CONTROL PLAN (SHEET 4 OF 4)
41	GD-01	GRADING & EROSION CONTROL DETAILS (SHEET 1 OF 2)
42	GD-02A	GRADING & EROSION CONTROL DETAILS (SHEET 2 OF 2)
43	GD-03	EROSION & SEDIMENT CONTROL NOTES
44	DR-01	DRAINAGE DETAILS (SHEET 1 OF 2)
45	DR-02A	DRAINAGE DETAILS (SHEET 2 OF 2)
46	EP-00	AIRFIELD ELECTRICAL LEGEND AND CABLE IDENTIFICATION
47	EP-01A	AIRFIELD LIGHTING PLAN (SHEET 1 OF 4)
48	EP-02	AIRFIELD LIGHTING PLAN (SHEET 2 OF 4)
49	EP-03A	AIRFIELD LIGHTING PLAN (SHEET 3 OF 4)
50	EP-04	AIRFIELD LIGHTING PLAN (SHEET 4 OF 4)
51	EP-05	AIRFIELD LIGHTING SCHEDULE
52	EP-06	AIRFIELD LIGHTING HOME RUN
53	ED-01	ELECTRICAL DETAILS (SHEET 1 OF 4)
54	ED-02A	ELECTRICAL DETAILS (SHEET 2 OF 4)
55	ED-03A	ELECTRICAL DETAILS (SHEET 3 OF 4)
56	ED-04A	ELECTRICAL DETAILS (SHEET 4 OF 4)
57	SG-01	PROPOSED AIRFIELD SIGNAGE PLAN (SHEET 1 OF 4)

SHEET INDEX		
Sheet No.	Dwg. No.	Sheet Title
58	SG-02	PROPOSED AIRFIELD SIGNAGE PLAN (SHEET 2 OF 4)
59	SG-03	PROPOSED AIRFIELD SIGNAGE PLAN (SHEET 3 OF 4)
60	SG-04	PROPOSED AIRFIELD SIGNAGE PLAN (SHEET 4 OF 4)
61	SG-05	GUIDANCE SIGN DATA TABLE
62	MK-01	MARKING PLAN (SHEET 1 OF 4)
63	MK-02	MARKING PLAN (SHEET 2 OF 4)
64	MK-03A	MARKING PLAN (SHEET 3 OF 4)
65	MK-04	MARKING PLAN (SHEET 4 OF 4)
66	MD-01	MARKING DETAILS (SHEET 1 OF 2)
67	MD-02	MARKING DETAILS (SHEET 2 OF 2)
68	GV-01	PAVEMENT GROOVING PLAN (SHEET 1 OF 4)
69	GV-02	PAVEMENT GROOVING PLAN (SHEET 2 OF 4)
70	GV-03	PAVEMENT GROOVING PLAN (SHEET 3 OF 4)
71	GV-04	PAVEMENT GROOVING PLAN (SHEET 4 OF 4)

BASE BID			
BID ITEM	DESCRIPTION OF ITEM	UNIT	QUANTITY
C-100-1	CONTRACTOR'S QUALITY CONTROL PROGRAM (CQCP)	LS	1
C-102-3	SEED AND MULCH - TEMPORARY	SY	30,000
C-102-17	SILT FENCE-TEMPORARY	LF	2,900
C-102-25	DRAINAGE STRUCTURE INLET PROTECTION, SILT FENCE-TEMPORARY	LF	290
C-102-44	CONSTRUCTION ENTRANCE/EXIT-TEMPORARY	SY	200
C-105-1	MOBILIZATION (3% MAX)	LS	1
C-105-2	ENGINEER'S FIELD OFFICE	LS	1
M-120-1	MAINTENANCE AND PROTECTION OF TRAFFIC	LS	1
M-120-2	LOW-PROFILE CONSTRUCTION BARRICADES	EA	872
M-120-3	LIGHTED RUNWAY CLOSURE MARKERS	EA	2
M-150-1	PROJECT SURVEY AND STAKEOUT	LS	1
P-100-1	GEOTEXTILE STABILIZATION FABRIC	SY	8,800
P-101-2	COLD MILLING	SY	52,900
P-101-3	MISCELLANEOUS COLD MILLING	SY	1,100
P-101-4	JOINT AND CRACK REPAIR, TYPE I	LF	26,000
P-101-5	JOINT AND CRACK REPAIR, TYPE II	LF	6,500
P-101-6	PAINT AND RUBBER REMOVAL	SF	1,900
P-152-1	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	9,600
P-152-4	UNDERCUT EXCAVATION AND BACKFILL	CY	2,000
P-153-1	CONTROLLED LOW-STRENGTH MATERIAL	CY	11
P-209-1	CRUSHED AGGREGATE BASE COURSE	CY	5,400
P-401-1	ASPHALT SURFACE COURSE	TON	24,000
P-401-2	ASPHALT BINDER COURSE	TON	5,000
P-603-1	BITUMINOUS TACK COAT	GAL	9,600
P-605-1	JOINT SEALING FILLER	LF	2,100
P-620-1	BLACK PAVEMENT MARKINGS	SF	1,100
P-620-3	YELLOW PAVEMENT MARKINGS	SF	7,000
P-620-6	TEMPORARY YELLOW PAVEMENT MARKINGS	SF	7,000
P-620-8	PREFORMED THERMOPLASTIC MARKINGS	SF	1,340
P-621-1	GROOVING	SY	15,900
D-700-1	DRY SWALE	LF	1,720
D-701-0212	REINFORCED CONCRETE PIPE CLASS IV, 12-INCH DIAMETER	LF	54
D-703-1	CONCRETE PLUGS FOR DRAINAGE PIPE	EA	1
D-705-2	6" PERFORATED UNDERDRAIN COMPLETE, INCLUDING POROUS BACKFILL AND FILTER FABRIC	LF	10,000
D-705-4	UNDERDRAIN CLEANOUT	EA	44
D-751-012	RECTANGULAR DRAINAGE STRUCTURE, 4' X 4'	EA	1
D-751-4	ALTER EXISTING DRAINAGE STRUCTURE	EA	5
D-751-51	ADJUST EXISTING DRAINAGE STRUCTURE	EA	4
D-751-7	REMOVE EXISTING DRAINAGE STRUCTURE	EA	1
D-751-8	REPLACE EXISTING FRAME AND GRATE	EA	1
D-751-9	CLEAN EXISTING DRAINAGE STRUCTURE	EA	8
L-108-105	NO. 8 AWG, 5KV, L-824, TYPE C CABLE, INSTALLED IN TRENCH, DUCT BANK, OR CONDUIT	LF	31,000
L-108-201	NO. 6 AWG, SOLID BARE COUNTERPOISE WIRE INSTALLED IN TRENCH	LF	19,000
L-109-204	INSTALL 4KW CONSTANT CURRENT REGULATOR (CCR) IN ELECTRICAL VAULT	EA	1
L-109-220	INSTALL 20KW CONSTANT CURRENT REGULATOR (CCR) IN ELECTRICAL VAULT	EA	1
L-109-52	AIRFIELD LIGHTING CONTROL SYSTEM (ALCS) MODIFICATIONS	LS	1
L-110-104	NON-ENCASED ELECTRICAL CONDUIT, 2" SCH. 40 PVC	LF	21,000
L-115-201	ELECTRICAL JUNCTION STRUCTURE, L-867 CLASS 1, SOLID COVER (3-WAY)	EA	4
L-115-31	ADJUST EXISTING ELECTRICAL MANHOLE	EA	10
L-125-21	L-861T (L) MEDIUM INTENSITY BASE-MOUNTED LED TAXIWAY EDGE LIGHT	EA	114
L-125-501	L-852G(L) IN-PAVEMENT RUNWAY GUARD LIGHT	EA	10
L-125-64	REMOVE EXISTING BASE-MOUNTED LIGHT	EA	109
L-125-62	RETROFIT EXISTING LIGHT	EA	71
L-125-66	REMOVE AND RESET EXISTING TAXIWAY EDGE LIGHT	EA	9
L-125-68	REMOVE AND RESET EXISTING GUARD LIGHT	EA	3
L-125-751	ADJUST ELEVATION OF EXISTING AIRFIELD GUIDANCE SIGN	EA	5
L-125-7103	TAXIWAY GUIDANCE SIGN, SIZE 3, LED, ON NEW FOUNDATION	EA	24
L-125-77	REMOVE EXISTING AIRFIELD GUIDANCE SIGN	EA	31
T-901-1	HYDROSEEDING	ACRE	12
T-905-1	TOPSOILING (OBTAINED ON SITE)	CY	4830
T-908-1	MULCHING	ACRE	12

CONSTRUCTION BID SET

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	8/11/2023	REVISED SHEET INDEX - ADDENDUM 3	SGJ
	8/11/2023	REVISED QUANTITY TABLE - ADDENDUM 3	SGJ
REV	DATE	DESCRIPTION	BY

McFarland Johnson
49 COURT STREET, SUITE 240
BINGHAMTON, NEW YORK 13901

SYRACUSE REGIONAL AIRPORT AUTHORITY
CITY OF SYRACUSE, STATE OF NEW YORK
TAXIWAY A REHABILITATION (WEST)

DRAWING SHEET INDEX AND QUANTITY TABLE

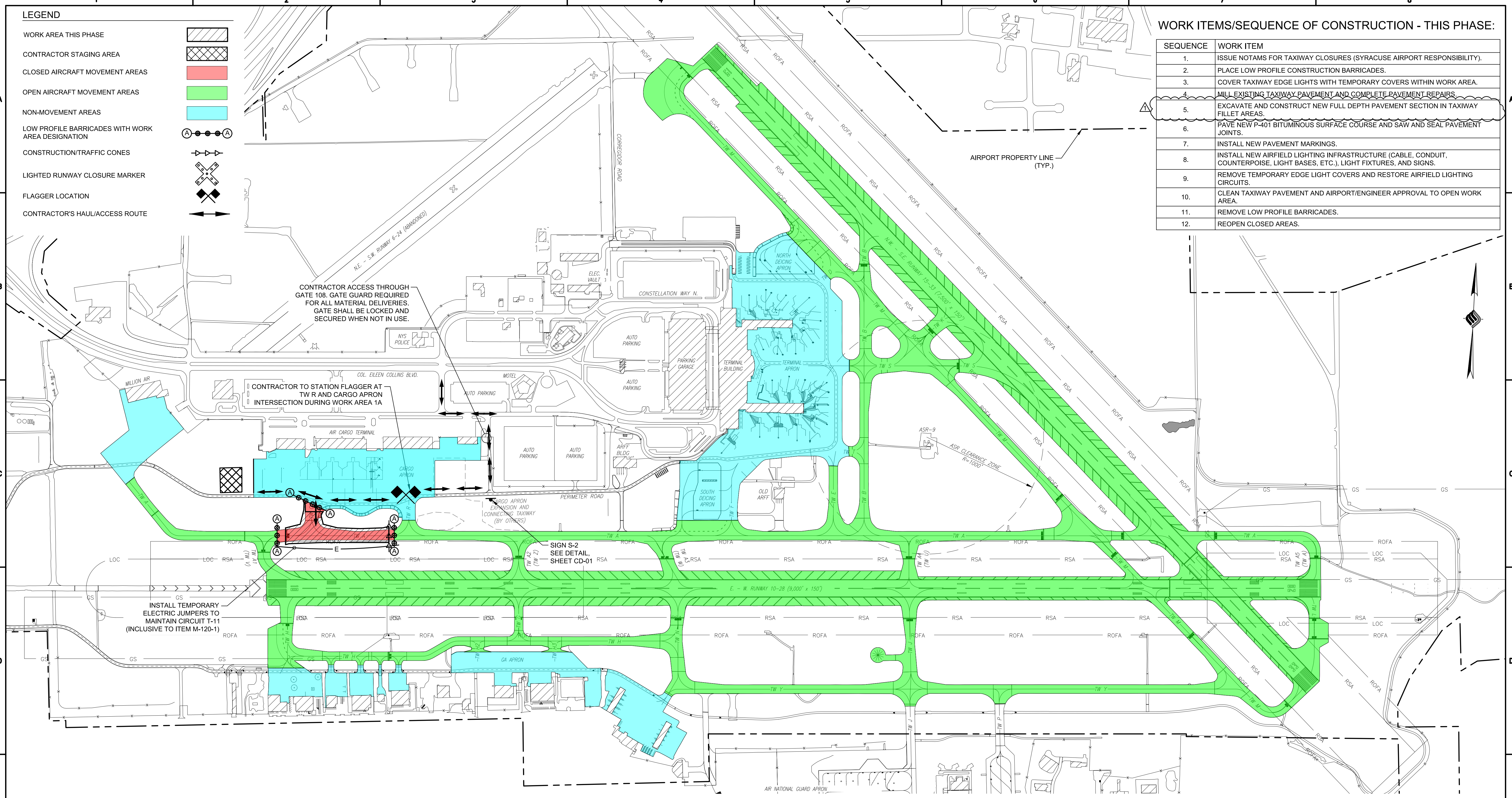
SCALE: NTS	DESIGN: JPM	IN-01A 2 OF 71
DRAWN: SDB	PROJECT: 18831.06	
CHECKED: WEV	DATE: AUGUST 2023	

LEGEND

WORK AREA THIS PHASE	
CONTRACTOR STAGING AREA	
CLOSED AIRCRAFT MOVEMENT AREAS	
OPEN AIRCRAFT MOVEMENT AREAS	
NON-MOVEMENT AREAS	
LOW PROFILE BARRICADES WITH WORK AREA DESIGNATION	
CONSTRUCTION/TRAFFIC CONES	
LIGHTED RUNWAY CLOSURE MARKER	
FLAGGER LOCATION	
CONTRACTOR'S HAUL/ACCESS ROUTE	

WORK ITEMS/SEQUENCE OF CONSTRUCTION - THIS PHASE:

SEQUENCE	WORK ITEM
1.	ISSUE NOTAMS FOR TAXIWAY CLOSURES (SYRACUSE AIRPORT RESPONSIBILITY).
2.	PLACE LOW PROFILE CONSTRUCTION BARRICADES.
3.	COVER TAXIWAY EDGE LIGHTS WITH TEMPORARY COVERS WITHIN WORK AREA.
4.	MILL EXISTING TAXIWAY PAVEMENT AND COMPLETE PAVEMENT REPAIRS.
5.	EXCAVATE AND CONSTRUCT NEW FULL DEPTH PAVEMENT SECTION IN TAXIWAY FILLET AREAS.
6.	PAVE NEW P-401 BITUMINOUS SURFACE COURSE AND SAW AND SEAL PAVEMENT JOINTS.
7.	INSTALL NEW PAVEMENT MARKINGS.
8.	INSTALL NEW AIRFIELD LIGHTING INFRASTRUCTURE (CABLE, CONDUIT, COUNTERPOISE, LIGHT BASES, ETC.), LIGHT FIXTURES, AND SIGNS.
9.	REMOVE TEMPORARY EDGE LIGHT COVERS AND RESTORE AIRFIELD LIGHTING CIRCUITS.
10.	CLEAN TAXIWAY PAVEMENT AND AIRPORT/ENGINEER APPROVAL TO OPEN WORK AREA.
11.	REMOVE LOW PROFILE BARRICADES.
12.	REOPEN CLOSED AREAS.



CONTRACTOR ACCESS THROUGH GATE 108. GATE GUARD REQUIRED FOR ALL MATERIAL DELIVERIES. GATE SHALL BE LOCKED AND SECURED WHEN NOT IN USE.

CONTRACTOR TO STATION FLAGGER AT TW R AND CARGO APRON INTERSECTION DURING WORK AREA 1A

SIGN S-2 SEE DETAIL SHEET CD-01

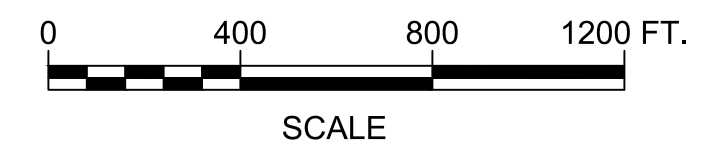
INSTALL TEMPORARY ELECTRIC JUMPERS TO MAINTAIN CIRCUIT T-11 (INCLUSIVE TO ITEM M-120-1)

- WORK ITEMS THIS PHASE:**
- MILL, REPAIR, AND PAVE TAXIWAY A INCLUDING STUB TAXIWAYS
 - MODIFY TAXIWAY GEOMETRIES
 - INSTALL NEW AIRFIELD LIGHTING AND SIGNAGE
 - INSTALL PAVEMENT MARKINGS

FACILITIES DISABLED THIS PHASE:

- N/A

- GENERAL PHASING NOTES:**
- SEE SHEETS CS-01 THROUGH CS-06 FOR INDIVIDUAL WORK AREA REQUIREMENTS.
 - SEE SHEETS CD-01 THROUGH CD-03 FOR PHASING DETAILS.
 - SEE SHEETS CN-01 AND CN-02 FOR DETAILED PHASING NOTES.
 - CONSTRUCTION VEHICLES MUST USE THE DESIGNATED HAUL ROUTE AT ALL TIMES DURING THE COURSE OF CONSTRUCTION.



CONSTRUCTION BID SET

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECT DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN 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 A SPECIFIC DESCRIPTION OF THE ALTERATION.

PHASE REQUIREMENTS:

PHASE	WORK AREA	CALENDAR TIME	REQUIREMENTS TO BEGIN	WORK HOUR RESTRICTIONS/ REQUIREMENTS	AIRFIELD CLOSURE AREAS	CLOSURE HOURS	LIQUIDATED DAMAGES	AIRPORT OPERATIONAL RESTRICTIONS
1	A	14 CALENDAR DAYS	NOTICE TO PROCEED (NTP)	CONCURRENT WITH PHASE 1, WORK AREA B	TAXIWAY A B/W TAXIWAY V & TAXIWAY R TAXIWAY Q	24 HOURS PER DAY	\$5,000/CALENDAR DAY OR PORTION THEREOF	CHANGED TAXI PATTERNS



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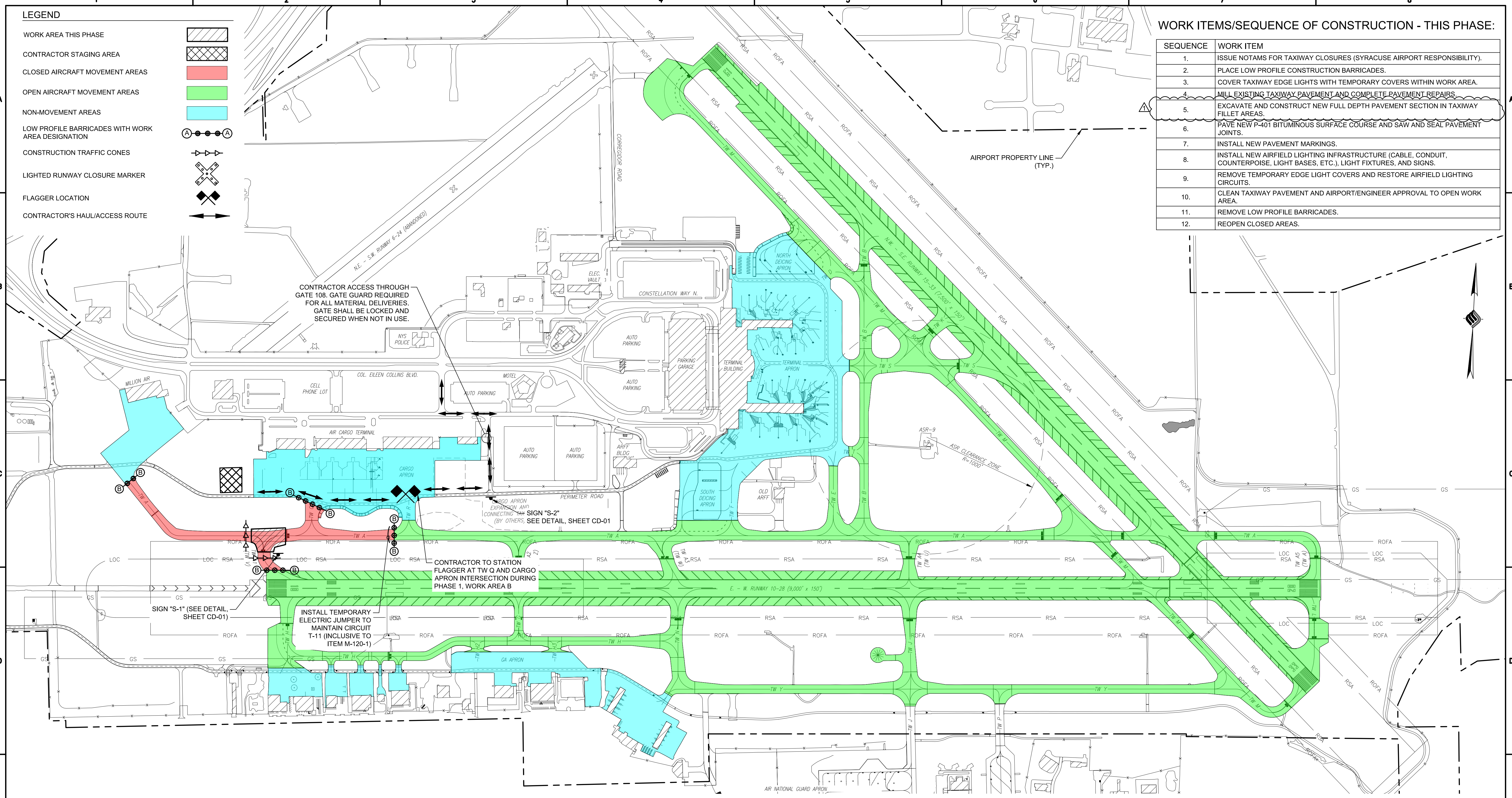
8/11/2023	REVISE WORK ITEM DESCRIPTION - ADDENDUM 3	SGJ	
REV	DATE	DESCRIPTION	BY
<p>SYRACUSE REGIONAL AIRPORT AUTHORITY CITY OF SYRACUSE, STATE OF NEW YORK</p> <p>TAXIWAY A REHABILITATION (WEST)</p> <p>CONSTRUCTION SAFETY & PHASING PLAN - PHASE 1 WORK AREA A</p>			
SCALE: AS SHOWN	DESIGN: JPM	CS-01A	
DRAWN: JPM	PROJECT: 18831.06		
CHECKED: WEV	DATE: AUGUST 2023		

LEGEND

WORK AREA THIS PHASE	
CONTRACTOR STAGING AREA	
CLOSED AIRCRAFT MOVEMENT AREAS	
OPEN AIRCRAFT MOVEMENT AREAS	
NON-MOVEMENT AREAS	
LOW PROFILE BARRICADES WITH WORK AREA DESIGNATION	
CONSTRUCTION TRAFFIC CONES	
LIGHTED RUNWAY CLOSURE MARKER	
FLAGGER LOCATION	
CONTRACTOR'S HAUL/ACCESS ROUTE	

WORK ITEMS/SEQUENCE OF CONSTRUCTION - THIS PHASE:

SEQUENCE	WORK ITEM
1.	ISSUE NOTAMS FOR TAXIWAY CLOSURES (SYRACUSE AIRPORT RESPONSIBILITY).
2.	PLACE LOW PROFILE CONSTRUCTION BARRICADES.
3.	COVER TAXIWAY EDGE LIGHTS WITH TEMPORARY COVERS WITHIN WORK AREA.
4.	MILL EXISTING TAXIWAY PAVEMENT AND COMPLETE PAVEMENT REPAIRS.
5.	EXCAVATE AND CONSTRUCT NEW FULL DEPTH PAVEMENT SECTION IN TAXIWAY FILLET AREAS.
6.	PAVE NEW P-401 BITUMINOUS SURFACE COURSE AND SAW AND SEAL PAVEMENT JOINTS.
7.	INSTALL NEW PAVEMENT MARKINGS.
8.	INSTALL NEW AIRFIELD LIGHTING INFRASTRUCTURE (CABLE, CONDUIT, COUNTERPOISE, LIGHT BASES, ETC.), LIGHT FIXTURES, AND SIGNS.
9.	REMOVE TEMPORARY EDGE LIGHT COVERS AND RESTORE AIRFIELD LIGHTING CIRCUITS.
10.	CLEAN TAXIWAY PAVEMENT AND AIRPORT/ENGINEER APPROVAL TO OPEN WORK AREA.
11.	REMOVE LOW PROFILE BARRICADES.
12.	REOPEN CLOSED AREAS.

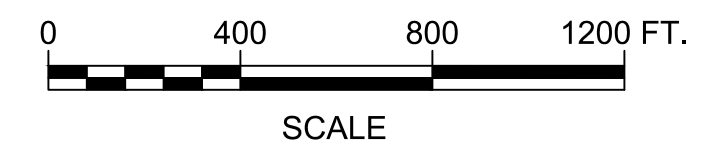


- WORK ITEMS THIS PHASE:**
- MILL, REPAIR, AND PAVE TAXIWAY A INCLUDING STUB TAXIWAYS
 - MODIFY TAXIWAY GEOMETRIES
 - INSTALL NEW AIRFIELD LIGHTING AND SIGNAGE
 - INSTALL PAVEMENT MARKINGS

FACILITIES DISABLED THIS PHASE:

- N/A

- GENERAL PHASING NOTES:**
- SEE SHEETS CS-01 THROUGH CS-06 FOR INDIVIDUAL WORK AREA REQUIREMENTS.
 - SEE SHEETS CD-01 THROUGH CD-03 FOR PHASING DETAILS.
 - SEE SHEETS CN-01 AND CN-02 FOR DETAILED PHASING NOTES.
 - CONSTRUCTION VEHICLES MUST USE THE DESIGNATED HAUL ROUTE AT ALL TIMES DURING THE COURSE OF CONSTRUCTION.



CONSTRUCTION BID SET

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PHASE REQUIREMENTS:

PHASE	WORK AREA	CALENDAR TIME	REQUIREMENTS TO BEGIN	WORK HOUR RESTRICTIONS/ REQUIREMENTS	AIRFIELD CLOSURE AREAS	CLOSURE HOURS	LIQUIDATED DAMAGES	AIRPORT OPERATIONAL RESTRICTIONS
1	B	4 CALENDAR NIGHTS	P-401 BINDER AND TOP COURSE CONTROL STRIPS COMPLETED AND APPROVED IN PHASE 1, WORK AREA A	NIGHT WORK 11:00PM - 06:00 AM / CONCURRENT WITH PHASE 1, WORK AREA A	TAXIWAY V TAXIWAY A @ RW 10 END	11:00PM - 06:00AM	\$2,000/15 MINUTES OR PORTION THEREOF	MILLION AIR ACCESS CLOSED CHANGED TAXI PATTERNS



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SYRACUSE REGIONAL AIRPORT AUTHORITY
CITY OF SYRACUSE, STATE OF NEW YORK

TAXIWAY A REHABILITATION (WEST)

CONSTRUCTION SAFETY & PHASING PLAN - PHASE 1 WORK AREA B

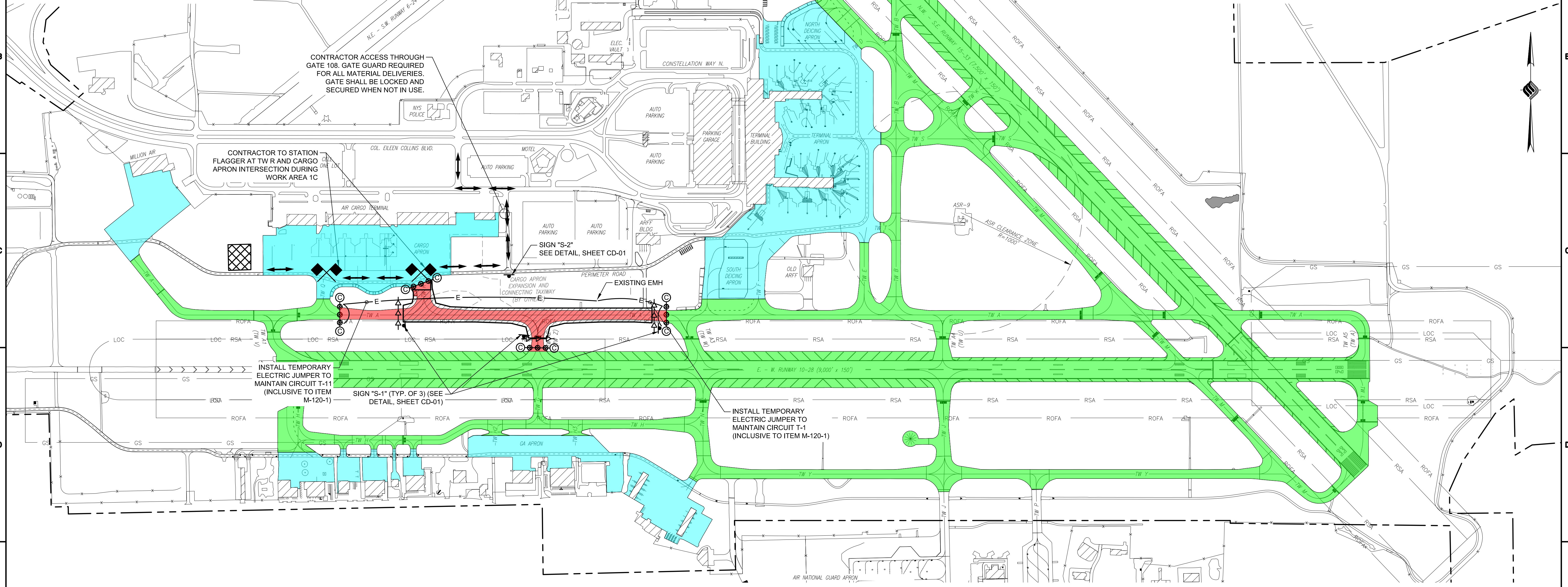
SCALE: AS SHOWN	DESIGN: JPM	CS-02A 9 OF 71
DRAWN: JPM	PROJECT: 18831.06	
CHECKED: WEV	DATE: AUGUST 2023	

LEGEND

WORK AREA THIS PHASE	
CONTRACTOR STAGING AREA	
CLOSED AIRCRAFT MOVEMENT AREAS	
OPEN AIRCRAFT MOVEMENT AREAS	
NON-MOVEMENT AREAS	
LOW PROFILE BARRICADES WITH WORK AREA DESIGNATION	
CONSTRUCTION/TRAFFIC CONES	
LIGHTED RUNWAY CLOSURE MARKER	
FLAGGER LOCATION	
CONTRACTOR'S HAUL/ACCESS ROUTE	

WORK ITEMS/SEQUENCE OF CONSTRUCTION - THIS PHASE:

SEQUENCE	WORK ITEM
1.	ISSUE NOTAMS FOR TAXIWAY CLOSURES (SYRACUSE AIRPORT RESPONSIBILITY).
2.	PLACE LOW PROFILE CONSTRUCTION BARRICADES.
3.	COVER TAXIWAY EDGE LIGHTS WITH TEMPORARY COVERS WITHIN WORK AREA.
4.	MILL EXISTING TAXIWAY PAVEMENT AND COMPLETE PAVEMENT REPAIRS.
5.	EXCAVATE AND CONSTRUCT NEW FULL DEPTH PAVEMENT SECTION IN TAXIWAY FILLET AREAS.
6.	PAVE NEW P-401 BITUMINOUS SURFACE COURSE AND SAW AND SEAL PAVEMENT JOINTS.
7.	INSTALL NEW PAVEMENT MARKINGS.
8.	INSTALL NEW AIRFIELD LIGHTING INFRASTRUCTURE (CABLE, CONDUIT, COUNTERPOISE, LIGHT BASES, ETC.), LIGHT FIXTURES, AND SIGNS.
9.	REMOVE TEMPORARY EDGE LIGHT COVERS AND RESTORE AIRFIELD LIGHTING CIRCUITS.
10.	CLEAN TAXIWAY PAVEMENT AND AIRPORT/ENGINEER APPROVAL TO OPEN WORK AREA.
11.	REMOVE LOW PROFILE BARRICADES.
12.	REOPEN CLOSED AREAS.

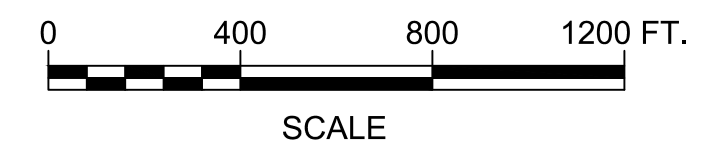


- WORK ITEMS THIS PHASE:**
- MILL, REPAIR, AND PAVE TAXIWAY A INCLUDING STUB TAXIWAYS
 - MODIFY TAXIWAY GEOMETRIES
 - INSTALL NEW AIRFIELD LIGHTING AND SIGNAGE
 - INSTALL PAVEMENT MARKINGS

FACILITIES DISABLED THIS PHASE:

- N/A

- GENERAL PHASING NOTES:**
- SEE SHEETS CS-01 THROUGH CS-06 FOR INDIVIDUAL WORK AREA REQUIREMENTS.
 - SEE SHEETS CD-01 THROUGH CD-03 FOR PHASING DETAILS.
 - SEE SHEETS CN-01 AND CN-02 FOR DETAILED PHASING NOTES.
 - CONSTRUCTION VEHICLES MUST USE THE DESIGNATED HAUL ROUTE AT ALL TIMES DURING THE COURSE OF CONSTRUCTION.



CONSTRUCTION BID SET

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PHASE REQUIREMENTS:

PHASE	WORK AREA	CALENDAR TIME	REQUIREMENTS TO BEGIN	WORK HOUR RESTRICTIONS/ REQUIREMENTS	AIRFIELD CLOSURE AREAS	CLOSURE HOURS	LIQUIDATED DAMAGES	AIRPORT OPERATIONAL RESTRICTIONS
1	C	16 CALENDAR DAYS	COMPLETE PHASE 1, WORK AREAS A & B	NO RESTRICTIONS	TAXIWAY A B&W TAXIWAY Q & TAXIWAY W, TAXIWAY Q, AND TAXIWAY Z	24 HOURS PER DAY	\$5,000/CALENDAR DAY OR PORTION THEREOF	CHANGED TAXI PATTERNS



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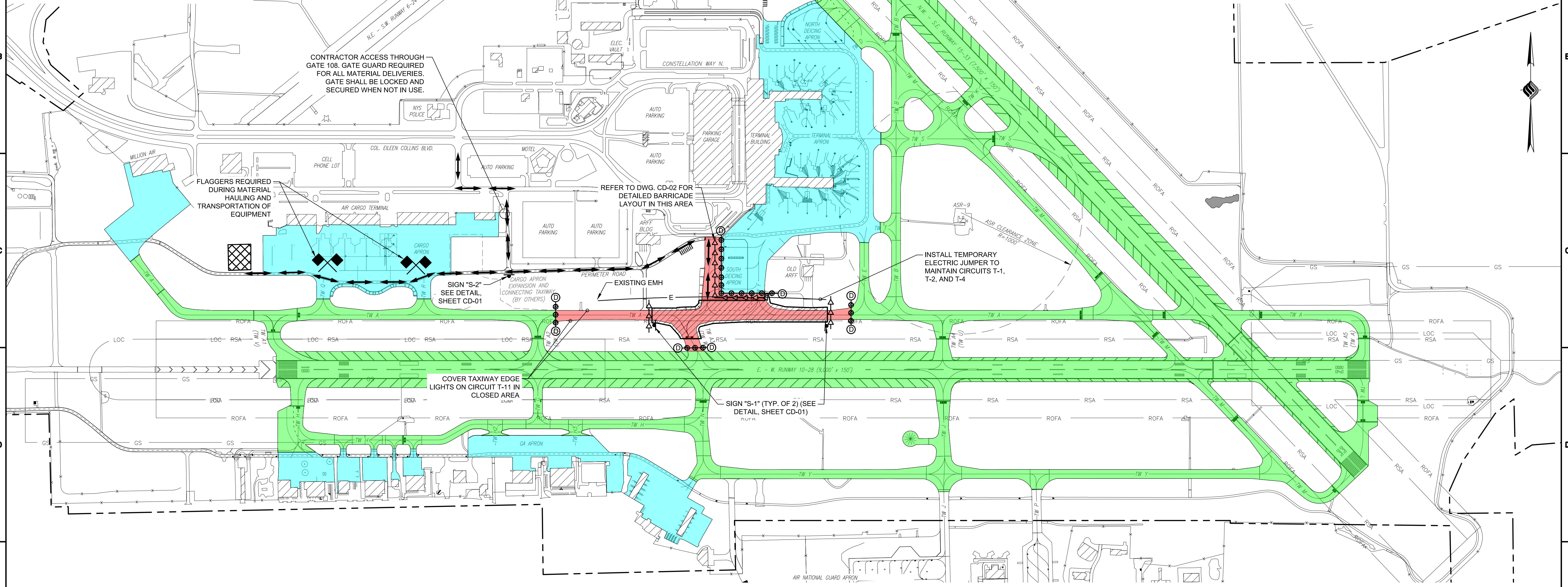
8/11/2023	REVISE WORK ITEM DESCRIPTION - ADDENDUM 3	SGJ	
REV	DATE	DESCRIPTION	BY
SYRACUSE REGIONAL AIRPORT AUTHORITY CITY OF SYRACUSE, STATE OF NEW YORK TAXIWAY A REHABILITATION (WEST) CONSTRUCTION SAFETY & PHASING PLAN - PHASE 1 WORK AREA C			
SCALE: AS SHOWN	DESIGN: JPM	CS-03A	
DRAWN: JPM	PROJECT: 18831.06		
CHECKED: WEV	DATE: AUGUST 2023	10 OF 71	

LEGEND

WORK AREA THIS PHASE	
CONTRACTOR STAGING AREA	
CLOSED AIRCRAFT MOVEMENT AREAS	
OPEN AIRCRAFT MOVEMENT AREAS	
NON-MOVEMENT AREAS	
LOW PROFILE BARRICADES WITH WORK AREA DESIGNATION	
CONSTRUCTION/TRAFFIC CONES	
LIGHTED RUNWAY CLOSURE MARKER	
FLAGGER LOCATION	
CONTRACTOR'S HAUL/ACCESS ROUTE	

WORK ITEMS/SEQUENCE OF CONSTRUCTION - THIS PHASE:

SEQUENCE	WORK ITEM
1.	ISSUE NOTAMS FOR TAXIWAY CLOSURES (SYRACUSE AIRPORT RESPONSIBILITY).
2.	PLACE LOW PROFILE CONSTRUCTION BARRICADES.
3.	COVER TAXIWAY EDGE LIGHTS WITH TEMPORARY COVERS WITHIN WORK AREA.
4.	MILL EXISTING TAXIWAY PAVEMENT AND COMPLETE PAVEMENT REPAIRS.
5.	EXCAVATE AND CONSTRUCT NEW FULL DEPTH PAVEMENT SECTION IN TAXIWAY FILLET AREAS.
6.	PAVE NEW P-401 BITUMINOUS SURFACE COURSE AND SAW AND SEAL PAVEMENT JOINTS.
7.	INSTALL NEW PAVEMENT MARKINGS.
8.	INSTALL NEW AIRFIELD LIGHTING INFRASTRUCTURE (CABLE, CONDUIT, COUNTERPOISE, LIGHT BASES, ETC.), LIGHT FIXTURES, AND SIGNS.
9.	REMOVE TEMPORARY EDGE LIGHT COVERS AND RESTORE AIRFIELD LIGHTING CIRCUITS.
10.	CLEAN TAXIWAY PAVEMENT AND AIRPORT/ENGINEER APPROVAL TO OPEN WORK AREA.
11.	REMOVE LOW PROFILE BARRICADES.
12.	REOPEN CLOSED AREAS.



CONTRACTOR ACCESS THROUGH GATE 108. GATE GUARD REQUIRED FOR ALL MATERIAL DELIVERIES. GATE SHALL BE LOCKED AND SECURED WHEN NOT IN USE.

FLAGGERS REQUIRED DURING MATERIAL HAULING AND TRANSPORTATION OF EQUIPMENT

REFER TO DWG. CD-02 FOR DETAILED BARRICADE LAYOUT IN THIS AREA

INSTALL TEMPORARY ELECTRIC JUMPER TO MAINTAIN CIRCUITS T-1, T-2, AND T-4

SIGN "S-2" SEE DETAIL, SHEET CD-01

EXISTING EMH

COVER TAXIWAY EDGE LIGHTS ON CIRCUIT T-11 IN CLOSED AREA

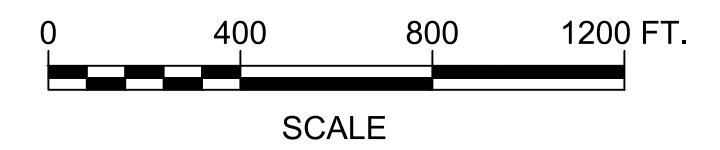
SIGN "S-1" (TYP. OF 2) (SEE DETAIL, SHEET CD-01)

- WORK ITEMS THIS PHASE:**
- MILL, REPAIR, AND PAVE TAXIWAY A INCLUDING STUB TAXIWAYS
 - MODIFY TAXIWAY GEOMETRIES
 - INSTALL NEW AIRFIELD LIGHTING AND SIGNAGE
 - INSTALL PAVEMENT MARKINGS

FACILITIES DISABLED THIS PHASE:

- N/A

- GENERAL PHASING NOTES:**
- SEE SHEETS CS-01 THROUGH CS-06 FOR INDIVIDUAL WORK AREA REQUIREMENTS.
 - SEE SHEETS CD-01 THROUGH CD-03 FOR PHASING DETAILS.
 - SEE SHEETS CN-01 AND CN-02 FOR DETAILED PHASING NOTES.
 - CONSTRUCTION VEHICLES MUST USE THE DESIGNATED HAUL ROUTE AT ALL TIMES DURING THE COURSE OF CONSTRUCTION.

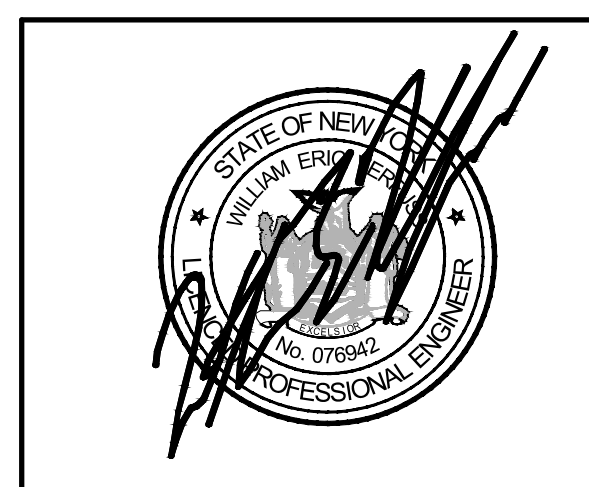


CONSTRUCTION BID SET

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PHASE REQUIREMENTS:

PHASE	WORK AREA	CALENDAR TIME	REQUIREMENTS TO BEGIN	WORK HOUR RESTRICTIONS/ REQUIREMENTS	AIRFIELD CLOSURE AREAS	CLOSURE HOURS	LIQUIDATED DAMAGES	AIRPORT OPERATIONAL RESTRICTIONS
1	D	16 CALENDAR DAYS	COMPLETE PHASE 1, WORK AREA C	NO RESTRICTIONS	TAXIWAY A B/W TAXIWAY Z & E, TAXIWAY F, AND TAXIWAY W	24 HOURS PER DAY	\$5,000/CALENDAR DAY OR PORTION THEREOF	CHANGED TAXI PATTERNS



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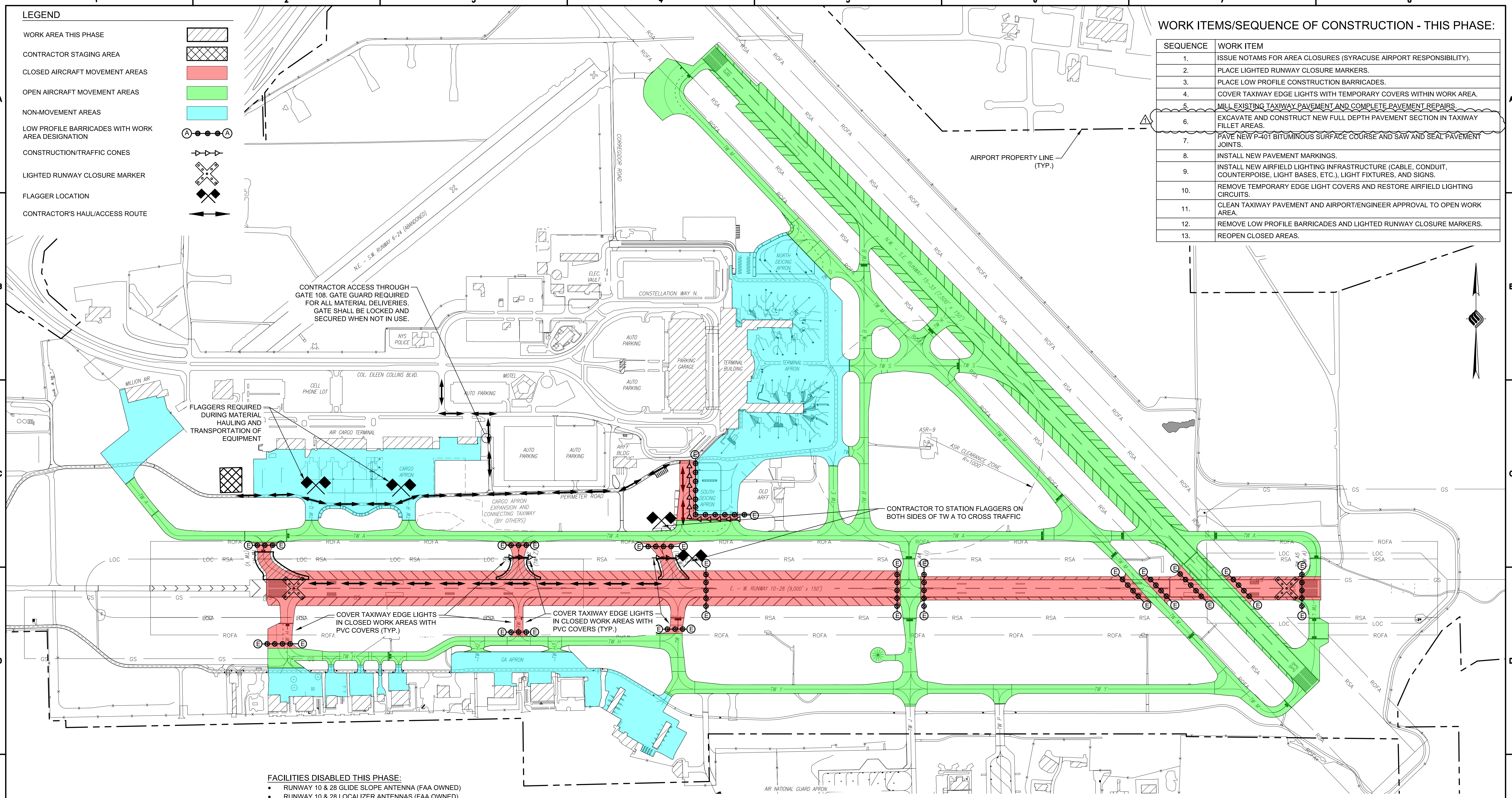
8/11/2023	REVISE WORK ITEM DESCRIPTION - ADDENDUM 3	SGJ	
REV	DATE	DESCRIPTION	BY
<p>SYRACUSE REGIONAL AIRPORT AUTHORITY CITY OF SYRACUSE, STATE OF NEW YORK</p> <p>TAXIWAY A REHABILITATION (WEST)</p> <p>CONSTRUCTION SAFETY & PHASING PLAN - PHASE 1 WORK AREA D</p>			
SCALE: AS SHOWN	DESIGN: JPM	CS-04A	
DRAWN: JPM	PROJECT: 18831.06		
CHECKED: WEV	DATE: AUGUST 2023		

LEGEND

WORK AREA THIS PHASE	
CONTRACTOR STAGING AREA	
CLOSED AIRCRAFT MOVEMENT AREAS	
OPEN AIRCRAFT MOVEMENT AREAS	
NON-MOVEMENT AREAS	
LOW PROFILE BARRICADES WITH WORK AREA DESIGNATION	
CONSTRUCTION/TRAFFIC CONES	
LIGHTED RUNWAY CLOSURE MARKER	
FLAGGER LOCATION	
CONTRACTOR'S HAUL/ACCESS ROUTE	

WORK ITEMS/SEQUENCE OF CONSTRUCTION - THIS PHASE:

SEQUENCE	WORK ITEM
1.	ISSUE NOTAMS FOR AREA CLOSURES (SYRACUSE AIRPORT RESPONSIBILITY).
2.	PLACE LIGHTED RUNWAY CLOSURE MARKERS.
3.	PLACE LOW PROFILE CONSTRUCTION BARRICADES.
4.	COVER TAXIWAY EDGE LIGHTS WITH TEMPORARY COVERS WITHIN WORK AREA.
5.	MILL EXISTING TAXIWAY PAVEMENT AND COMPLETE PAVEMENT REPAIRS.
6.	EXCAVATE AND CONSTRUCT NEW FULL DEPTH PAVEMENT SECTION IN TAXIWAY FILLET AREAS.
7.	PAVE NEW P-401 BITUMINOUS SURFACE COURSE AND SAW AND SEAL PAVEMENT JOINTS.
8.	INSTALL NEW PAVEMENT MARKINGS.
9.	INSTALL NEW AIRFIELD LIGHTING INFRASTRUCTURE (CABLE, CONDUIT, COUNTERPOISE, LIGHT BASES, ETC.), LIGHT FIXTURES, AND SIGNS.
10.	REMOVE TEMPORARY EDGE LIGHT COVERS AND RESTORE AIRFIELD LIGHTING CIRCUITS.
11.	CLEAN TAXIWAY PAVEMENT AND AIRPORT/ENGINEER APPROVAL TO OPEN WORK AREA.
12.	REMOVE LOW PROFILE BARRICADES AND LIGHTED RUNWAY CLOSURE MARKERS.
13.	REOPEN CLOSED AREAS.



CONTRACTOR ACCESS THROUGH GATE 108. GATE GUARD REQUIRED FOR ALL MATERIAL DELIVERIES. GATE SHALL BE LOCKED AND SECURED WHEN NOT IN USE.

FLAGGERS REQUIRED DURING MATERIAL HAULING AND TRANSPORTATION OF EQUIPMENT

CONTRACTOR TO STATION FLAGGERS ON BOTH SIDES OF TW A TO CROSS TRAFFIC

COVER TAXIWAY EDGE LIGHTS IN CLOSED WORK AREAS WITH PVC COVERS (TYP.)

COVER TAXIWAY EDGE LIGHTS IN CLOSED WORK AREAS WITH PVC COVERS (TYP.)

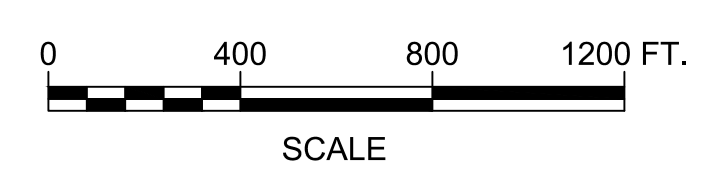
- FACILITIES DISABLED THIS PHASE:**
- RUNWAY 10 & 28 GLIDE SLOPE ANTENNA (FAA OWNED)
 - RUNWAY 10 & 28 LOCALIZER ANTENNAS (FAA OWNED)
 - RUNWAY 10 MALS (FAA OWNED)
 - RUNWAY 28 ALSF-2 (FAA OWNED)
 - RUNWAY 10 VASI (FAA OWNED)
 - RUNWAY 28 PAPI (FAA OWNED)
 - RUNWAY 10-28 EDGE LIGHT CIRCUIT
 - RUNWAY 10-28 CENTERLINE LIGHT CIRCUIT
 - RUNWAY 10 & RUNWAY 28 TOUCHDOWN ZONE LIGHT CIRCUIT

- GENERAL PHASING NOTES:**
- SEE SHEETS CS-01 THROUGH CS-06 FOR INDIVIDUAL WORK AREA REQUIREMENTS.
 - SEE SHEETS CD-01 THROUGH CD-03 FOR PHASING DETAILS.
 - SEE SHEETS CN-01 AND CN-02 FOR DETAILED PHASING NOTES.
 - CONSTRUCTION VEHICLES MUST USE THE DESIGNATED HAUL ROUTE AT ALL TIMES DURING THE COURSE OF CONSTRUCTION.
 - CONTRACTOR SHALL COORDINATE SHUTDOWN OF ANY FAA-OWNED FACILITIES WITH LOCAL FAA SSC.
 - THIS PHASE IS INCLUDED IN THE BASE BID.

- WORK ITEMS THIS PHASE:**
- MILL, REPAIR, AND PAVE TAXIWAY A INCLUDING STUB TAXIWAYS
 - MODIFY TAXIWAY GEOMETRIES
 - INSTALL NEW AIRFIELD LIGHTING AND SIGNAGE
 - INSTALL PAVEMENT MARKINGS
 - INSTALL TW V IN-PAVEMENT HOLD LIGHTS

PHASE REQUIREMENTS:

PHASE	WORK AREA	CALENDAR TIME	REQUIREMENTS TO BEGIN	WORK HOUR RESTRICTIONS/REQUIREMENTS	AIRFIELD CLOSURE AREAS	CLOSURE HOURS	LIQUIDATED DAMAGES	AIRPORT OPERATIONAL RESTRICTIONS
1	E	7 CALENDAR DAYS	COMPLETE PHASE 1, WORK AREA D	CONCURRENT WITH PHASE 2D, IF AWARDED	RUNWAY 10-28 / TAXIWAYS G, J, L, T, U, V, W, Z / PARTIAL CLOSURE TAXIWAYS A EAST, H, N	24 HOURS PER DAY	\$10,000/HOUR OR PORTION THEREOF	RUNWAY 10-28 CLOSED, CHANGED TAXI PATTERNS



CONSTRUCTION BID SET

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 49 COURT STREET, SUITE 240
 BINGHAMTON, NEW YORK 13901

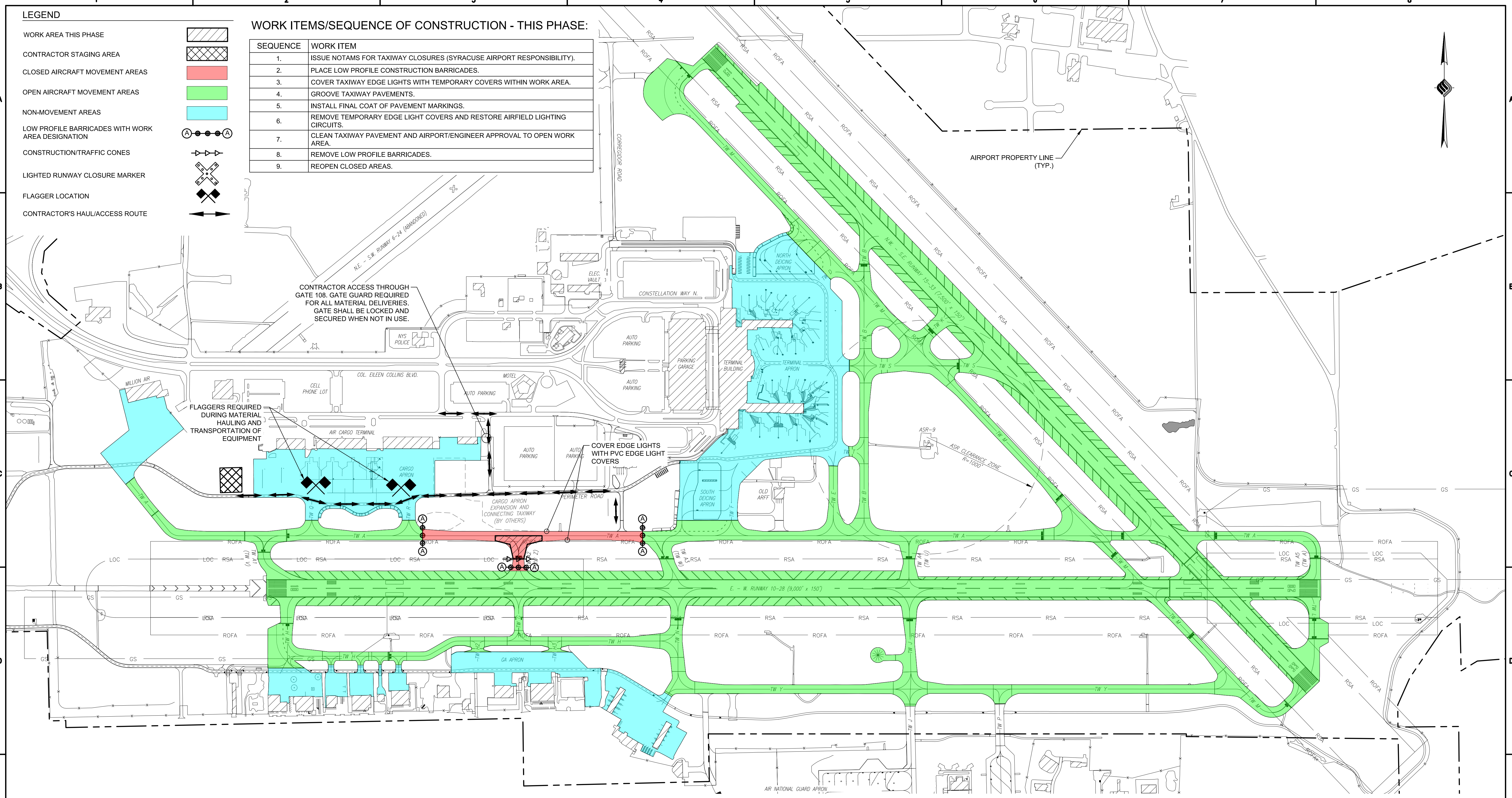
8/11/2023	REVISE WORK ITEM DESCRIPTION - ADDENDUM 3	SGJ	
REV	DATE	DESCRIPTION	BY
<p>SYRACUSE REGIONAL AIRPORT AUTHORITY CITY OF SYRACUSE, STATE OF NEW YORK</p> <p>TAXIWAY A REHABILITATION (WEST)</p> <p>CONSTRUCTION SAFETY & PHASING PLAN - PHASE 1 WORK AREA E</p>			
SCALE: AS SHOWN	DESIGN: JPM	CS-05A	
DRAWN: JPM	PROJECT: 18831.06		
CHECKED: WEV	DATE: AUGUST 2023		

LEGEND

WORK AREA THIS PHASE	
CONTRACTOR STAGING AREA	
CLOSED AIRCRAFT MOVEMENT AREAS	
OPEN AIRCRAFT MOVEMENT AREAS	
NON-MOVEMENT AREAS	
LOW PROFILE BARRICADES WITH WORK AREA DESIGNATION	
CONSTRUCTION/TRAFFIC CONES	
LIGHTED RUNWAY CLOSURE MARKER	
FLAGGER LOCATION	
CONTRACTOR'S HAUL/ACCESS ROUTE	

WORK ITEMS/SEQUENCE OF CONSTRUCTION - THIS PHASE:

SEQUENCE	WORK ITEM
1.	ISSUE NOTAMS FOR TAXIWAY CLOSURES (SYRACUSE AIRPORT RESPONSIBILITY).
2.	PLACE LOW PROFILE CONSTRUCTION BARRICADES.
3.	COVER TAXIWAY EDGE LIGHTS WITH TEMPORARY COVERS WITHIN WORK AREA.
4.	GROOVE TAXIWAY PAVEMENTS.
5.	INSTALL FINAL COAT OF PAVEMENT MARKINGS.
6.	REMOVE TEMPORARY EDGE LIGHT COVERS AND RESTORE AIRFIELD LIGHTING CIRCUITS.
7.	CLEAN TAXIWAY PAVEMENT AND AIRPORT/ENGINEER APPROVAL TO OPEN WORK AREA.
8.	REMOVE LOW PROFILE BARRICADES.
9.	REOPEN CLOSED AREAS.



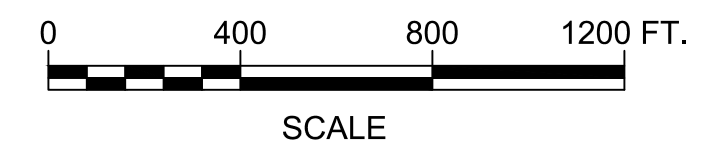
- WORK ITEMS THIS PHASE:**
- GROOVE TAXIWAY A INTERSECTIONS
 - INSTALL FINAL COAT OF PAVEMENT MARKINGS

FACILITIES DISABLED THIS PHASE:

- N/A

- GENERAL PHASING NOTES:**
- SEE SHEETS CS-01 THROUGH CS-06 FOR INDIVIDUAL WORK AREA REQUIREMENTS.
 - SEE SHEETS CD-01 THROUGH CD-03 FOR PHASING DETAILS.
 - SEE SHEETS CN-01 AND CN-02 FOR DETAILED PHASING NOTES.
 - CONSTRUCTION VEHICLES MUST USE THE DESIGNATED HAUL ROUTE AT ALL TIMES DURING THE COURSE OF CONSTRUCTION.

NOTE: CONTRACTOR TO UTILIZE THE MPT/PHASING SCENARIOS INCLUDED IN PHASES 1A - 1D TO COMPLETE THE GROOVING AND MARKING OF TAXIWAY INTERSECTIONS.



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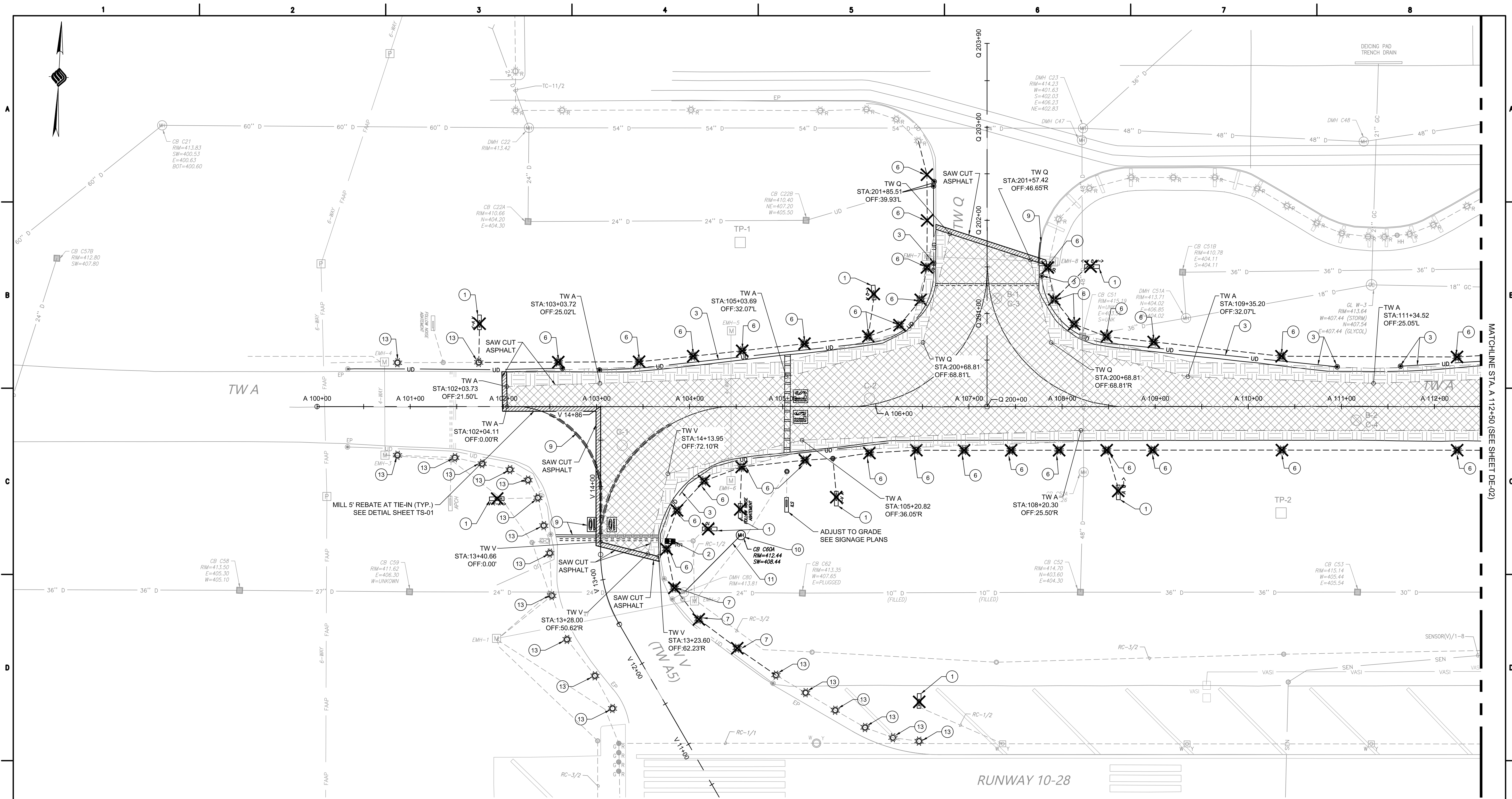
PHASE REQUIREMENTS:

PHASE	WORK AREA	CALENDAR TIME	REQUIREMENTS TO BEGIN	WORK HOUR RESTRICTIONS/REQUIREMENTS	AIRFIELD CLOSURE AREAS	CLOSURE HOURS	LIQUIDATED DAMAGES	AIRPORT OPERATIONAL RESTRICTIONS
2	A	7 CALENDAR DAYS	30 DAYS AFTER PHASE 1 AND PHASE 2 COMPLETED IN THEIR ENTIRETY	N/A	AIRFIELD CLOSURES AS NEEDED	24 HOURS PER DAY	\$5,000 / CALENDAR DAY OR PORTION THEREOF	CHANGED TAXI PATTERNS



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8/11/2023	REVISE PHASE NUMBER - ADDENDUM 3	SGJ
REV	DATE	DESCRIPTION
SYRACUSE REGIONAL AIRPORT AUTHORITY CITY OF SYRACUSE, STATE OF NEW YORK		
TAXIWAY A REHABILITATION (WEST)		
CONSTRUCTION SAFETY & PHASING PLAN - PHASE 2 WORK AREA A		
SCALE: AS SHOWN	DESIGN: JPM	CS-06A 13 OF 71
DRAWN: JPM	PROJECT: 18831.06	
CHECKED: WEV	DATE: AUGUST 2023	

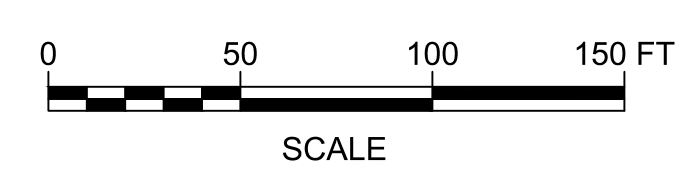


LEGEND

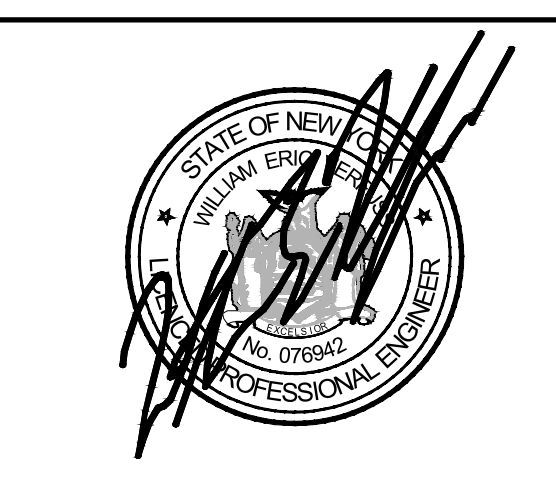
- MILL EXISTING ASPHALT PAVEMENT, SEE NOTE 2
- FULL DEPTH PAVEMENT SECTION EXCAVATION
- MILL REBATE AT PAVEMENT TIE-IN
- REMOVE STRUCTURE
- C-1 PAVEMENT CORE
- B-1 BORING AND PAVEMENT CORE
- TP-1 TEST PIT

- GENERAL NOTES:**
1. SEE CONSTRUCTION PHASING DRAWINGS FOR DEMOLITION SEQUENCING (CS SERIES).
 2. AREAS INDICATED AS ASPHALT REMOVAL SHALL INCLUDE SAW CUT AND REMOVAL OF THE PAVEMENT. ALL ASPHALT TO BE REMOVED SHALL BE MILLED, SEE NOTE 4.
 3. ALL PAVEMENT REMOVAL SHALL BE SAW CUT TO FORM A CLEAN EDGE AT THE LINE OF REMOVAL.
 4. ASPHALT MILLINGS GENERATED FROM ASPHALT REMOVAL ARE TO BE REMOVED AND DISPOSED OF OFF-SITE BY THE CONTRACTOR. SEE SPEC SECTION P-101.
 5. TYPE AND LOCATION OF EXISTING UTILITIES SHOWN IS BASED ON AVAILABLE INFORMATION. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND LOCATING ALL EXISTING UTILITIES PRIOR TO DEMOLITION AND EXCAVATION.
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 7. COORDINATE UTILITY DEMOLITION TO MAINTAIN UTILITY SERVICES AT ALL TIMES, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
 8. MAINTAIN SERVICE TO EXISTING ELECTRICAL AND COMMUNICATION FACILITIES AT ALL TIMES.
 9. CONTRACTOR IS TO VERIFY ALL ITEMS FOR REMOVAL AND REPORT DISCREPANCIES TO ENGINEER.
 10. THE AIRPORT SHALL HAVE THE RIGHT TO SALVAGE ANY OR ALL ELECTRICAL ITEMS REMOVED, INCLUDING LIGHTS, SIGNS, GUARD LIGHTS, TRANSFORMERS, ETC. THE CONTRACTOR SHALL COORDINATE WITH THE AIRPORT REGARDING SALVAGED ITEMS PRIOR TO REMOVAL.
 11. REFER TO DWG. NOS. GR-01 TO GR-04 FOR EXISTING DRAINAGE STRUCTURE MODIFICATION DETAILS AND TABLES.

- KEYED NOTES:**
- ① REMOVE AIRFIELD GUIDANCE SIGN (ITEM L-125-77)
 - ② REMOVE AND RESET EXISTING RUNWAY GUARD LIGHT (ITEM L-125-68)
 - ③ REMOVE EXISTING UNDERDRAIN PIPE / CLEAN-OUT (INC. TO ITEM P-152-1)
 - ④ REMOVE BASE-MOUNTED ELEVATED EDGE LIGHT AND CAN (ITEM L-125-64)
 - ⑤ REMOVE AND RESET ELEVATED EDGE LIGHT AND CAN (ITEM L-125-66)
 - ⑥ REMOVE RUNWAY GUARD LIGHT AND CAN (ITEM L-125-67)
 - ⑦ REMOVE PAVEMENT MARKINGS BY WATERBLASTING (ITEM P-101-6)
 - ⑧ REMOVE EXISTING DRAINAGE STRUCTURE (ITEM D-751-7)
 - ⑨ PLACE CLSM & CONCRETE PLUGS IN EXISTING DRAINAGE PIPE (ITEM P-153-1 & D-703-1)
 - ⑩ REMOVE EXISTING DRAINAGE PIPE (ITEM D-701-62)
 - ⑪ REMOVE EXISTING FIXTURE AND RETROFIT WITH LED FIXTURE (SEE LIGHTING PLANS)



CONSTRUCTION BID SET



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SYRACUSE REGIONAL AIRPORT AUTHORITY
 CITY OF SYRACUSE, STATE OF NEW YORK

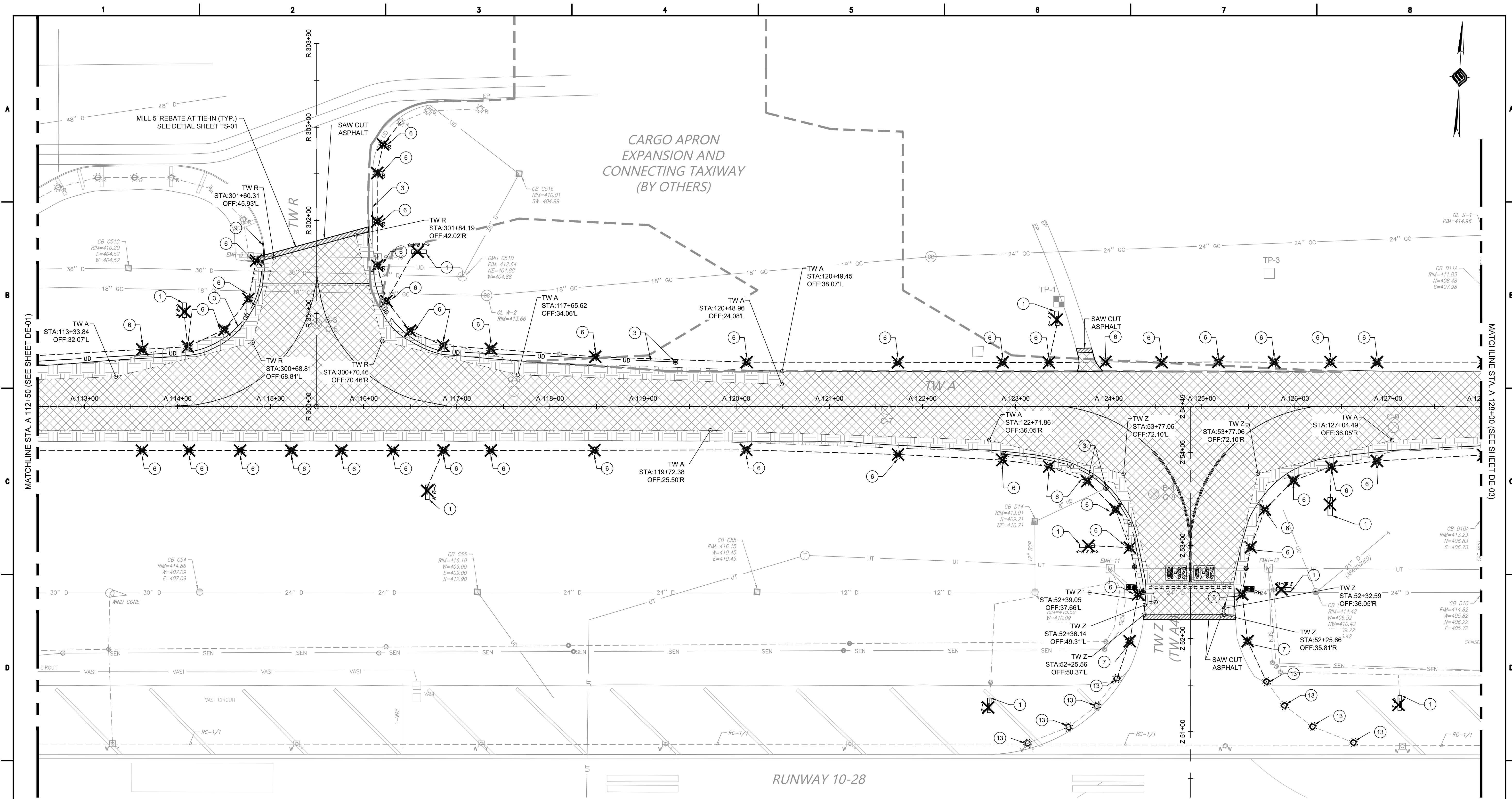
TAXIWAY A REHABILITATION (WEST)

EXISTING CONDITIONS & DEMOLITION PLAN (SHEET 1 OF 4)

SCALE: AS SHOWN	DESIGN: JPM	DE-01A
DRAWN: SDB	PROJECT: 18831.06	
CHECKED: WEV	DATE: AUGUST 2023	

24 OF 71

MATCHLINE STA. A 112+50 (SEE SHEET DE-02)

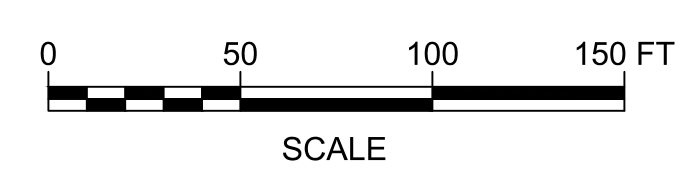


LEGEND

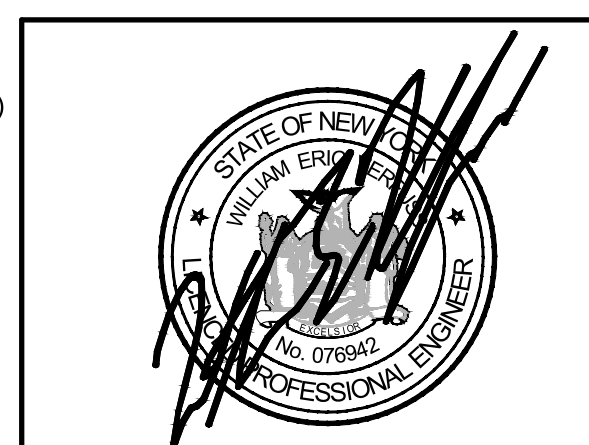
- MILL EXISTING ASPHALT PAVEMENT, SEE NOTE 2
- FULL DEPTH PAVEMENT SECTION EXCAVATION
- MILL REBATE AT PAVEMENT TIE-IN
- REMOVE STRUCTURE
- C-1 PAVEMENT CORE
- B-1 BORING AND PAVEMENT CORE
- C-3 PAVEMENT CORE
- TP-1 TEST PIT

- GENERAL NOTES:**
1. SEE CONSTRUCTION PHASING DRAWINGS FOR DEMOLITION SEQUENCING (CS SERIES).
 2. AREAS INDICATED AS ASPHALT REMOVAL SHALL INCLUDE SAW CUT AND REMOVAL OF THE PAVEMENT. ALL ASPHALT TO BE REMOVED SHALL BE MILLED, SEE NOTE 4.
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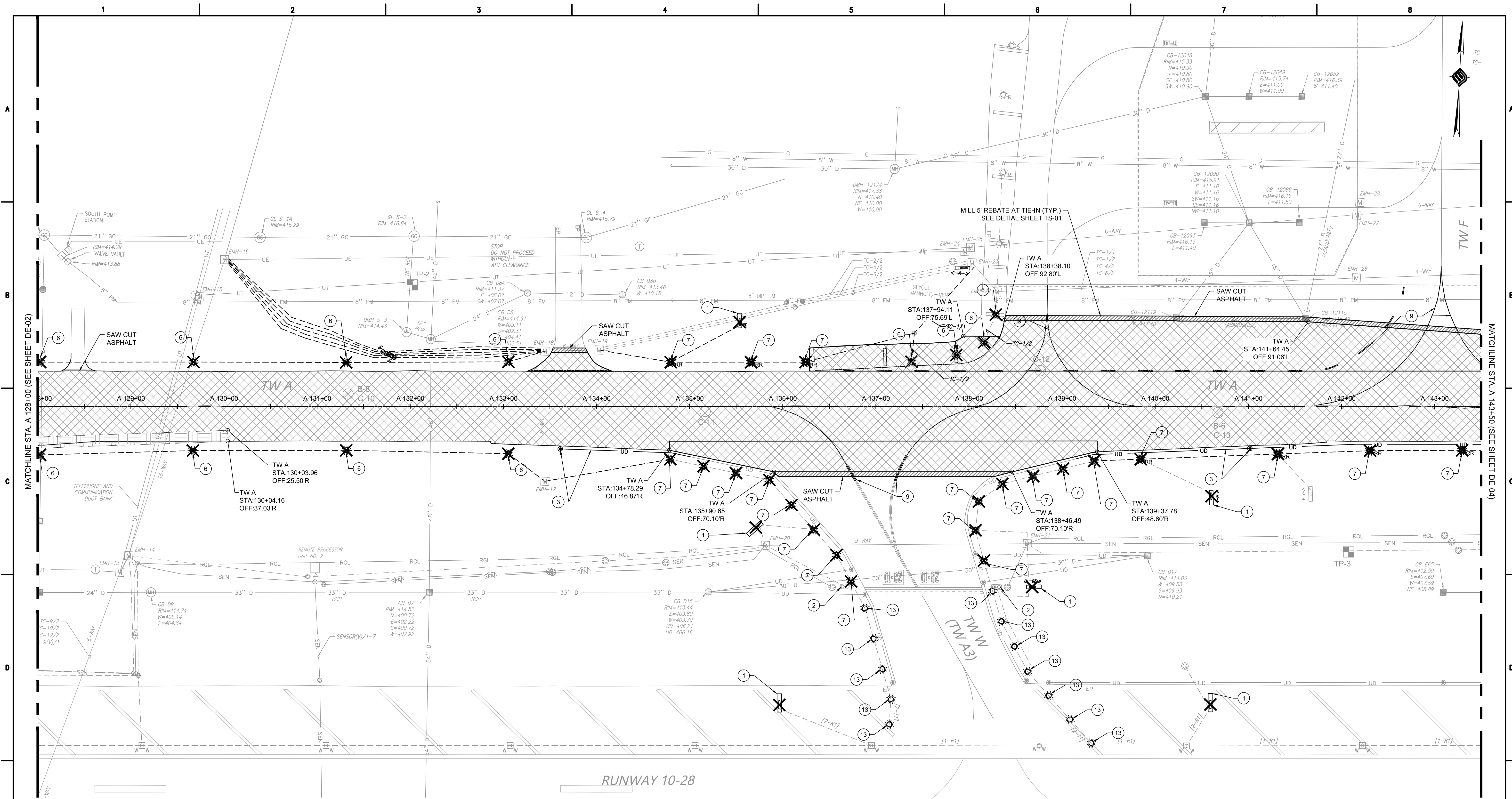
CONSTRUCTION BID SET



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8/11/2023	REMOVE UNUSED ITEM NUMBER - ADDENDUM 3	SGJ	
REV	DATE	DESCRIPTION	BY
SYRACUSE REGIONAL AIRPORT AUTHORITY CITY OF SYRACUSE, STATE OF NEW YORK TAXIWAY A REHABILITATION (WEST) EXISTING CONDITIONS & DEMOLITION PLAN (SHEET 2 OF 4)			
SCALE: AS SHOWN	DESIGN: JPM	DE-02A 25 OF 71	
DRAWN: SDB	PROJECT: 18831.06		
CHECKED: WEV	DATE: AUGUST 2023		

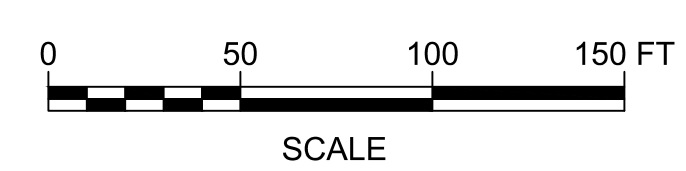


LEGEND

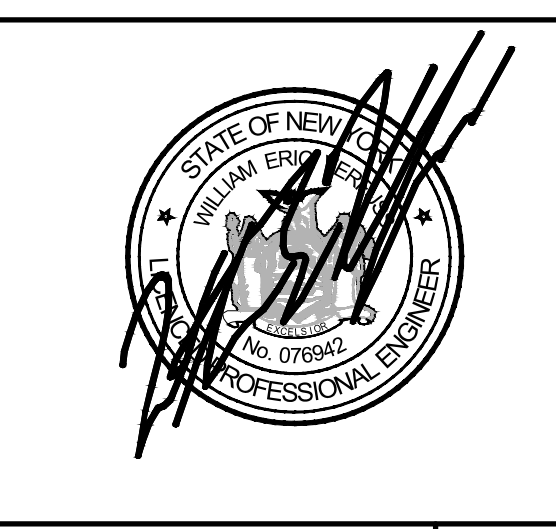
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- FULL DEPTH PAVEMENT SECTION EXCAVATION
- MILL REBATE AT PAVEMENT TIE-IN
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 - ⑪ REMOVE EXISTING FIXTURE AND RETROFIT WITH LED FIXTURE (SEE LIGHTING PLANS)



CONSTRUCTION BID SET



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REV	DATE	DESCRIPTION	BY
	8/11/2023	REMOVE UNUSED ITEM NUMBER - ADDENDUM 3	SGJ

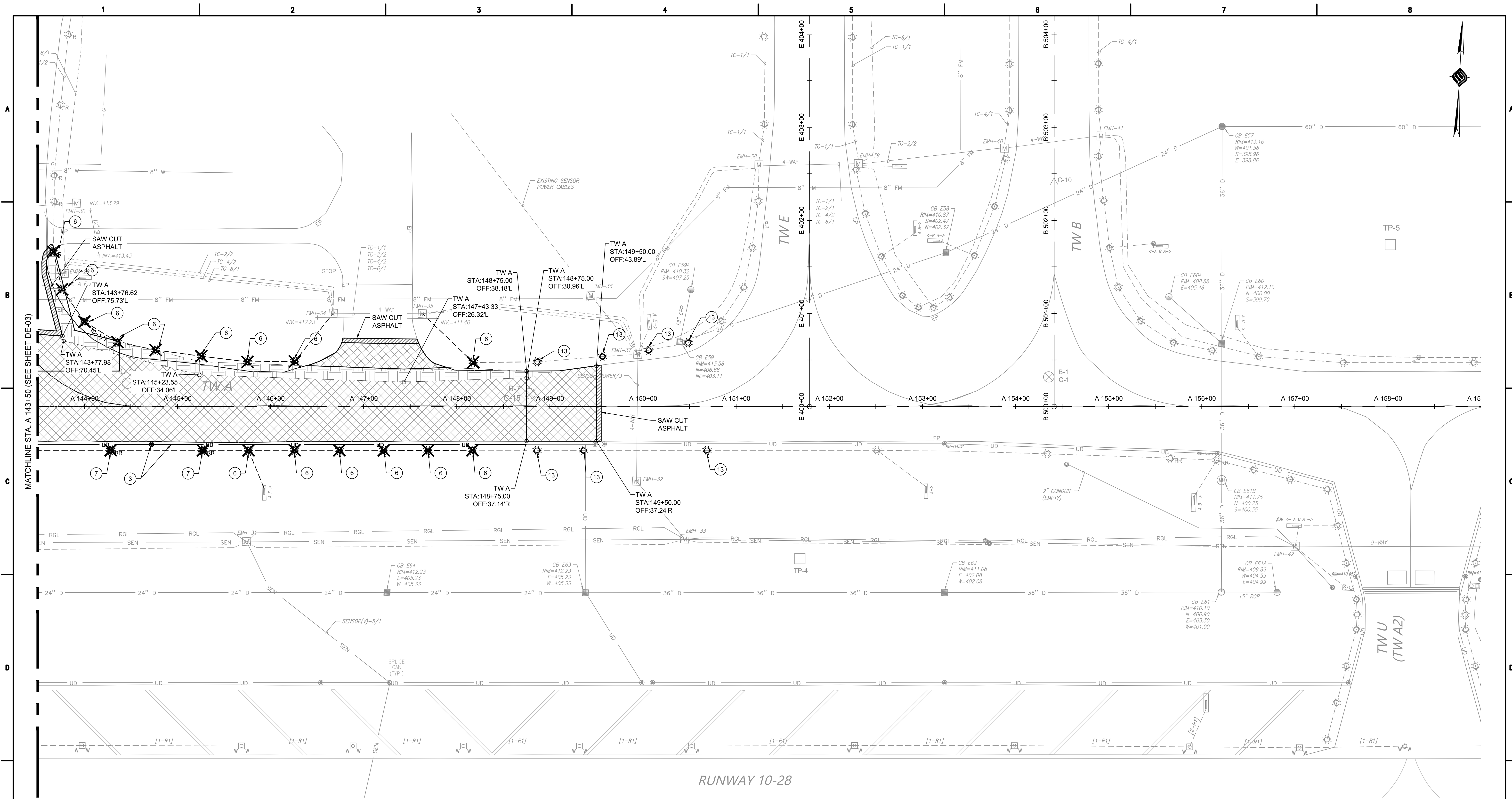
SYRACUSE REGIONAL AIRPORT AUTHORITY
 CITY OF SYRACUSE, STATE OF NEW YORK

TAXIWAY A REHABILITATION (WEST)

EXISTING CONDITIONS & DEMOLITION PLAN (SHEET 3 OF 4)

SCALE: AS SHOWN	DESIGN: JPM
DRAWN: SDB	PROJECT: 18831.06
CHECKED: WEV	DATE: AUGUST 2023

DE-03A
26 OF 71



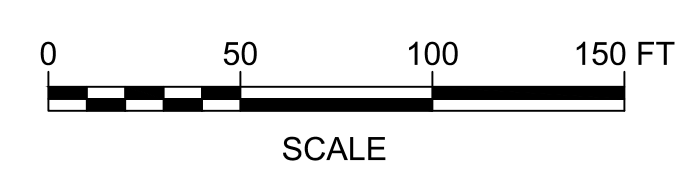
RUNWAY 10-28

LEGEND

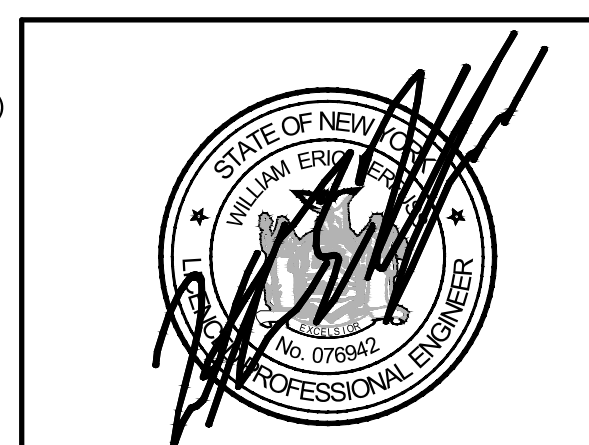
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 - ⑪ REMOVE EXISTING FIXTURE AND RETROFIT WITH LED FIXTURE (SEE LIGHTING PLANS)



CONSTRUCTION BID SET

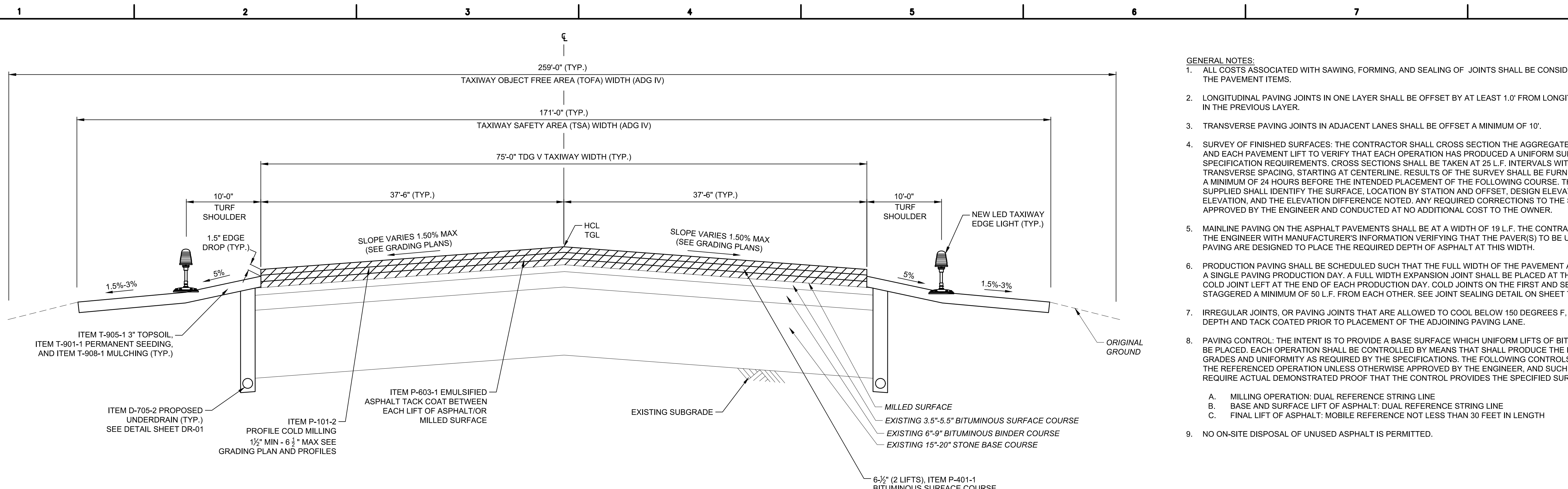


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 BINGHAMTON, NEW YORK 13901

REV	DATE	DESCRIPTION	BY
	8/11/2023	REMOVE UNUSED ITEM NUMBER - ADDENDUM 3	SGJ
EXISTING CONDITIONS & DEMOLITION PLAN (SHEET 4 OF 4)			
SCALE: AS SHOWN		DESIGN: JPM	
DRAWN: SDB		PROJECT: 18831.06	
CHECKED: WEV		DATE: AUGUST 2023	
			DE-04A 27 OF 71

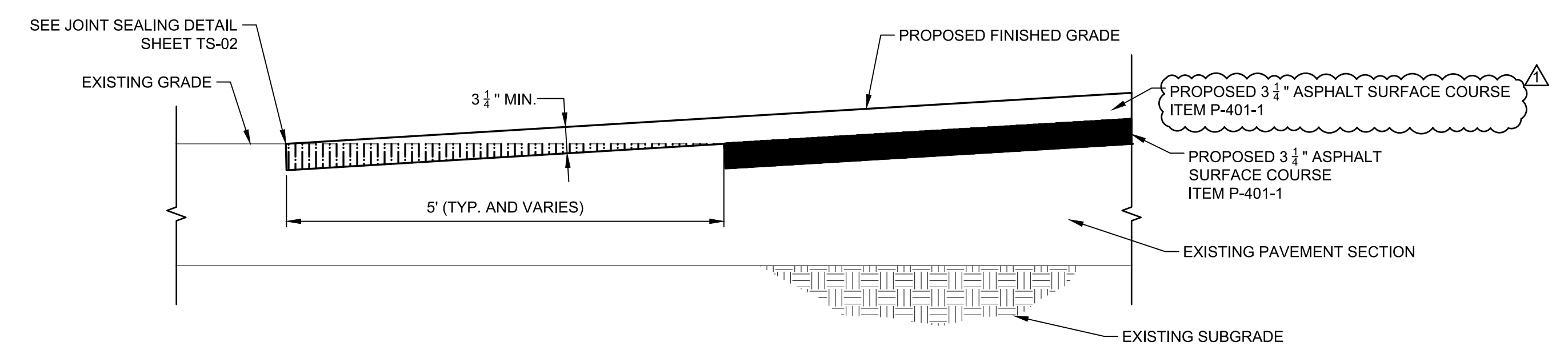
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECT DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, 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 A SPECIFIC DESCRIPTION OF THE ALTERATION.

SYRACUSE REGIONAL AIRPORT AUTHORITY
 CITY OF SYRACUSE, STATE OF NEW YORK
TAXIWAY A REHABILITATION (WEST)

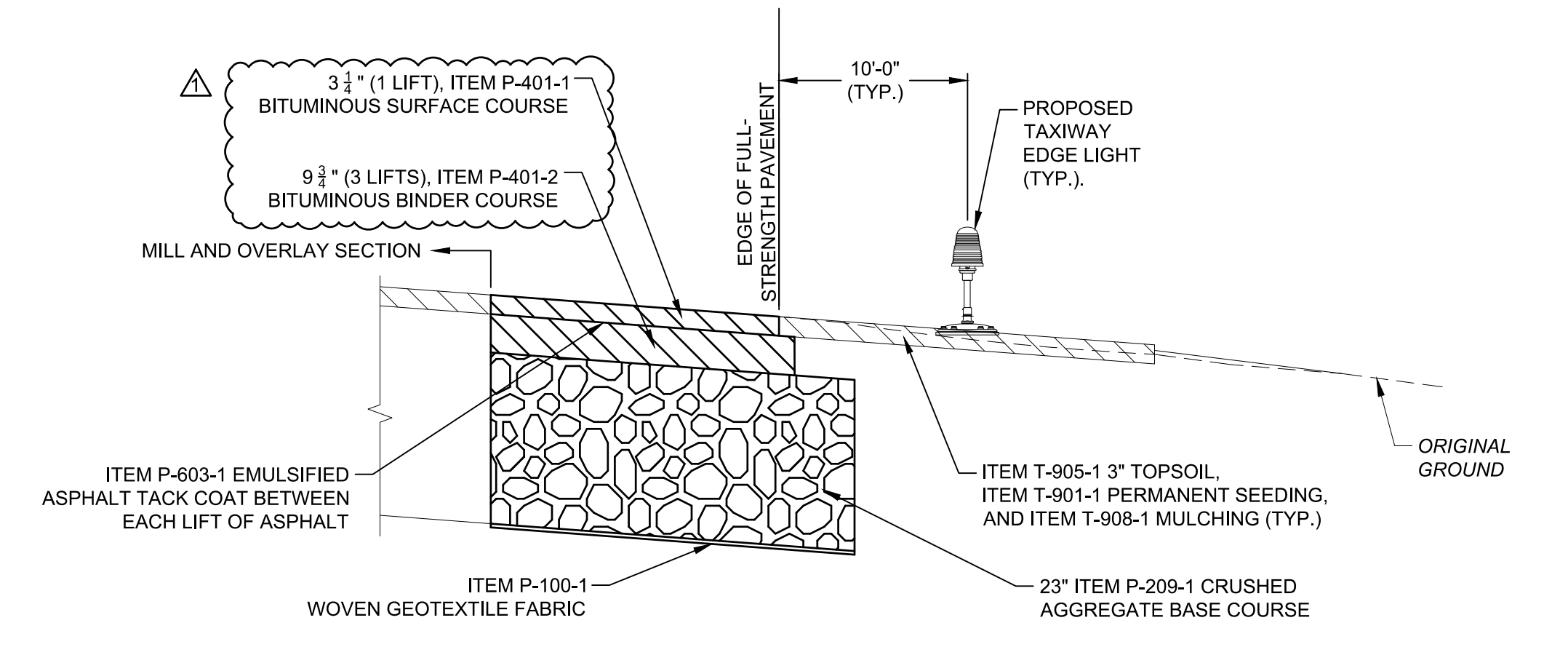


PROPOSED TAXIWAY A AND CONNECTING TAXIWAYS - MILL & OVERLAY SECTION 1
 STA. A 102+00 TO STA. A 196+00.
 N.T.S. TS-01

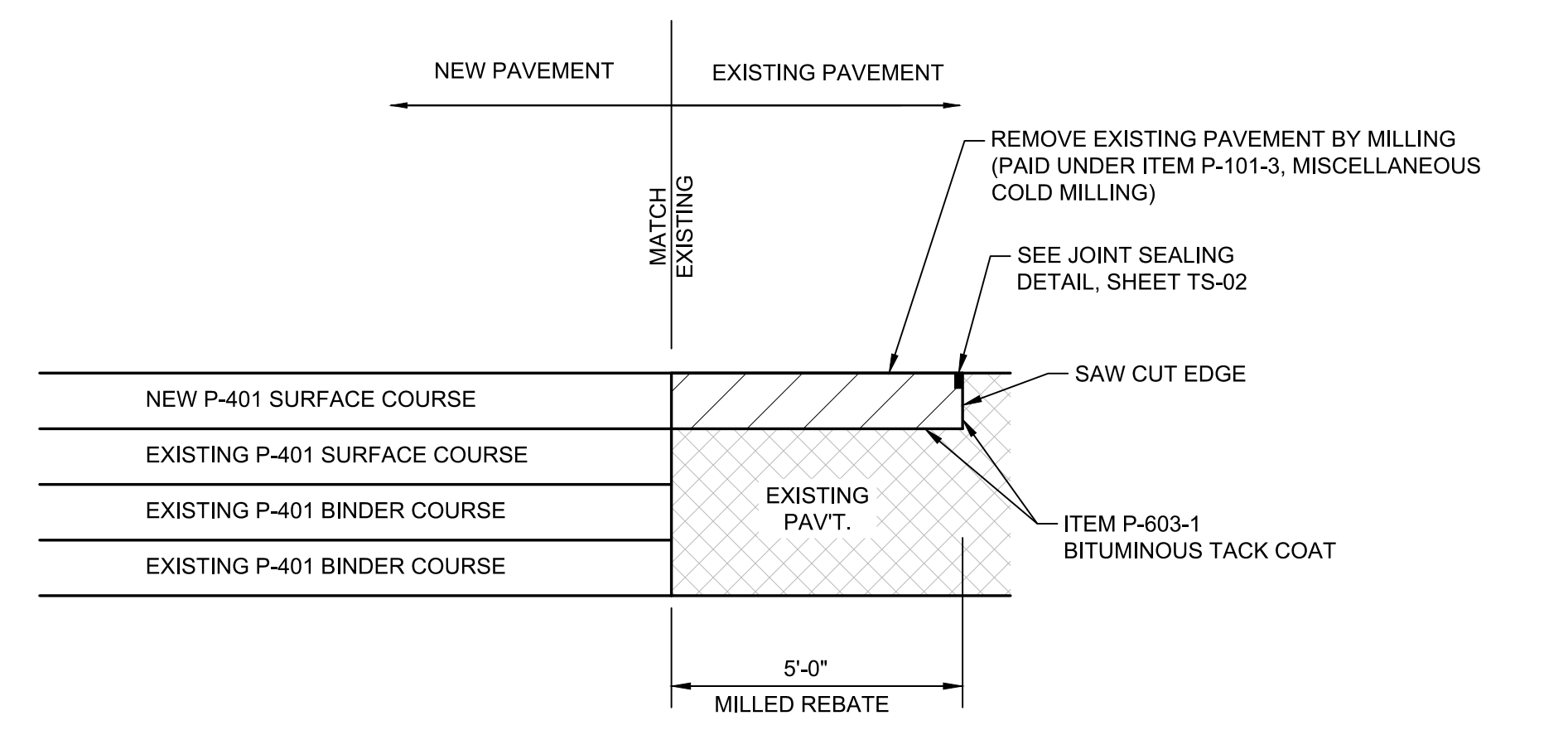
- GENERAL NOTES:**
- ALL COSTS ASSOCIATED WITH SAWING, FORMING, AND SEALING OF JOINTS SHALL BE CONSIDERED INCIDENTAL TO THE PAVEMENT ITEMS.
 - LONGITUDINAL PAVING JOINTS IN ONE LAYER SHALL BE OFFSET BY AT LEAST 1.0' FROM LONGITUDINAL PAVING JOINTS IN THE PREVIOUS LAYER.
 - TRANSVERSE PAVING JOINTS IN ADJACENT LANES SHALL BE OFFSET A MINIMUM OF 10'.
 - SURVEY OF FINISHED SURFACES: THE CONTRACTOR SHALL CROSS SECTION THE AGGREGATE BASE SURFACE LIFTS AND EACH PAVEMENT LIFT TO VERIFY THAT EACH OPERATION HAS PRODUCED A UNIFORM SURFACE MEETING THE SPECIFICATION REQUIREMENTS. CROSS SECTIONS SHALL BE TAKEN AT 25 L.F. INTERVALS WITH A 18 L.F. MAXIMUM TRANSVERSE SPACING, STARTING AT CENTERLINE. RESULTS OF THE SURVEY SHALL BE FURNISHED TO THE ENGINEER A MINIMUM OF 24 HOURS BEFORE THE INTENDED PLACEMENT OF THE FOLLOWING COURSE. THE INFORMATION SUPPLIED SHALL IDENTIFY THE SURFACE, LOCATION BY STATION AND OFFSET, DESIGN ELEVATION, ACTUAL ELEVATION, AND THE ELEVATION DIFFERENCE NOTED. ANY REQUIRED CORRECTIONS TO THE SURFACE SHALL BE APPROVED BY THE ENGINEER AND CONDUCTED AT NO ADDITIONAL COST TO THE OWNER.
 - MAINLINE PAVING ON THE ASPHALT PAVEMENTS SHALL BE AT A WIDTH OF 19 L.F. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH MANUFACTURER'S INFORMATION VERIFYING THAT THE PAVER(S) TO BE UTILIZED FOR MAINLINE PAVING ARE DESIGNED TO PLACE THE REQUIRED DEPTH OF ASPHALT AT THIS WIDTH.
 - PRODUCTION PAVING SHALL BE SCHEDULED SUCH THAT THE FULL WIDTH OF THE PAVEMENT AREA IS PLACED DURING A SINGLE PAVING PRODUCTION DAY. A FULL WIDTH EXPANSION JOINT SHALL BE PLACED AT THE LOCATION OF THE COLD JOINT LEFT AT THE END OF EACH PRODUCTION DAY. COLD JOINTS ON THE FIRST AND SECOND LIFT SHALL BE STAGGERED A MINIMUM OF 50 L.F. FROM EACH OTHER. SEE JOINT SEALING DETAIL ON SHEET TS-02.
 - IRREGULAR JOINTS, OR PAVING JOINTS THAT ARE ALLOWED TO COOL BELOW 150 DEGREES F, SHALL BE SAWCUT FULL DEPTH AND TACK COATED PRIOR TO PLACEMENT OF THE ADJOINING PAVING LANE.
 - PAVING CONTROL: THE INTENT IS TO PROVIDE A BASE SURFACE WHICH UNIFORM LIFTS OF BITUMINOUS ASPHALT CAN BE PLACED. EACH OPERATION SHALL BE CONTROLLED BY MEANS THAT SHALL PRODUCE THE DESIRED SURFACE, GRADES AND UNIFORMITY AS REQUIRED BY THE SPECIFICATIONS. THE FOLLOWING CONTROLS SHALL BE UTILIZED FOR THE REFERENCED OPERATION UNLESS OTHERWISE APPROVED BY THE ENGINEER, AND SUCH APPROVAL SHALL REQUIRE ACTUAL DEMONSTRATED PROOF THAT THE CONTROL PROVIDES THE SPECIFIED SURFACE.
 - MILLING OPERATION: DUAL REFERENCE STRING LINE
 - BASE AND SURFACE LIFT OF ASPHALT: DUAL REFERENCE STRING LINE
 - FINAL LIFT OF ASPHALT: MOBILE REFERENCE NOT LESS THAN 30 FEET IN LENGTH
 - NO ON-SITE DISPOSAL OF UNUSED ASPHALT IS PERMITTED.



PAVEMENT KEYING DETAIL 2
 N.T.S. TS-01



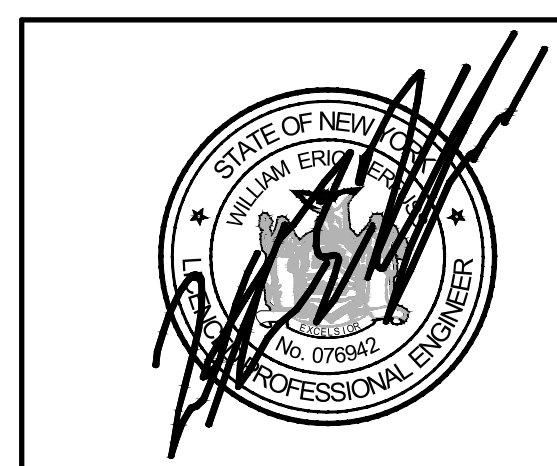
PROPOSED FULL-STRENGTH PAVEMENT TYPICAL SECTION 3
 N.T.S. TS-01



TYPICAL PAVEMENT MILLED REBATE AND TIE-IN DETAIL 4
 N.T.S. TS-01

CONSTRUCTION BID SET

REV	DATE	DESCRIPTION	BY
	8/11/2023	REVISED DETAIL 2 - ADDENDUM 3	SGJ
	8/11/2023	REVISED DETAIL 3 - ADDENDUM 3	SGJ



McFarland Johnson
 49 COURT STREET, SUITE 240
 BINGHAMTON, NEW YORK 13901

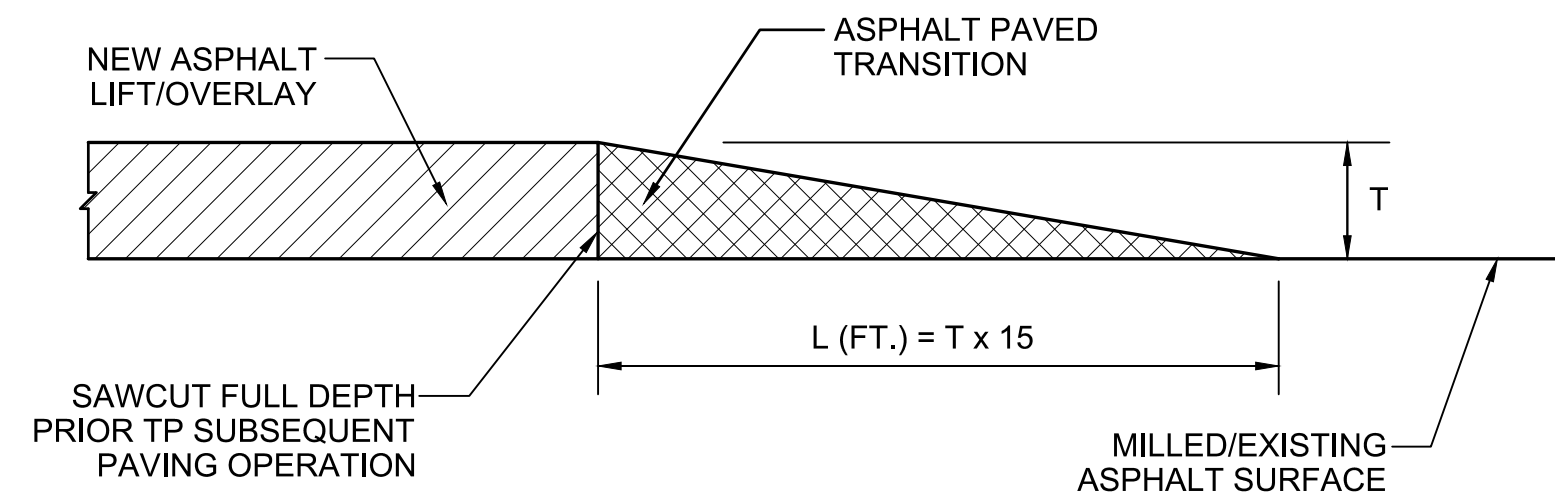
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SYRACUSE REGIONAL AIRPORT AUTHORITY
CITY OF SYRACUSE, STATE OF NEW YORK
TAXIWAY A REHABILITATION (WEST)

TYPICAL SECTIONS & PAVEMENT DETAILS (SHEET 1 OF 2)

SCALE: NTS	DESIGN: JPM	TS-01A
DRAWN: SGJ	PROJECT: 18831.06	
CHECKED: WEV	DATE: AUGUST 2023	

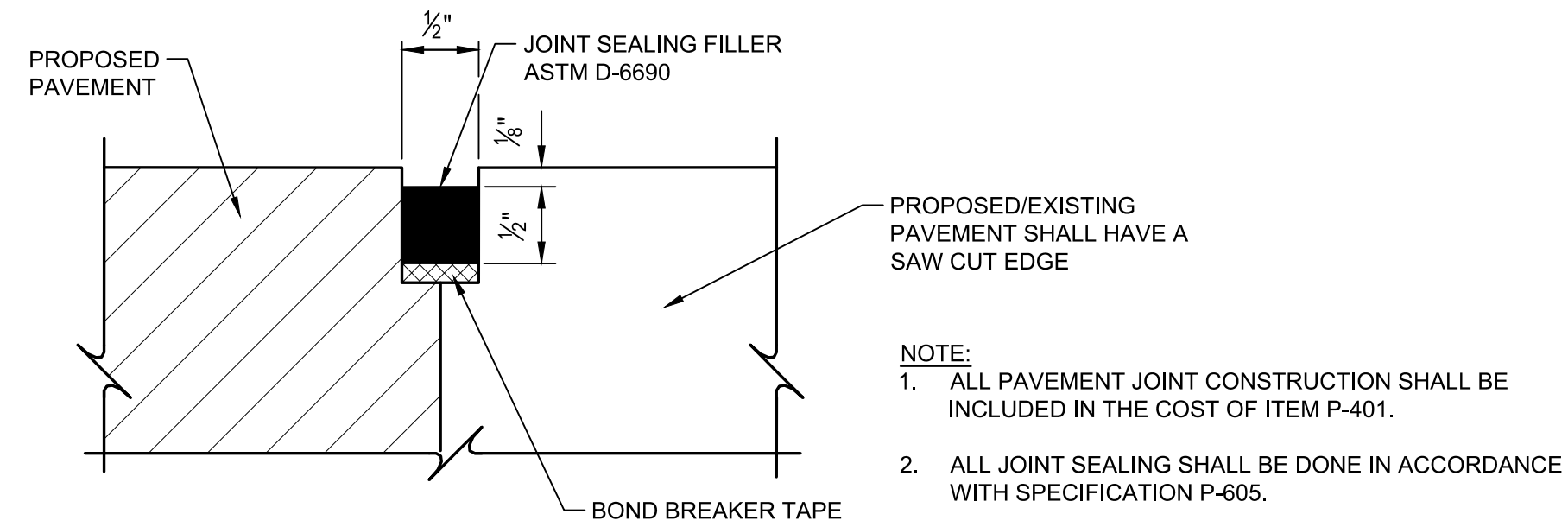
28 OF 71



TEMPORARY LONGITUDINAL PAVEMENT TRANSITION DETAIL (1)

N.T.S.

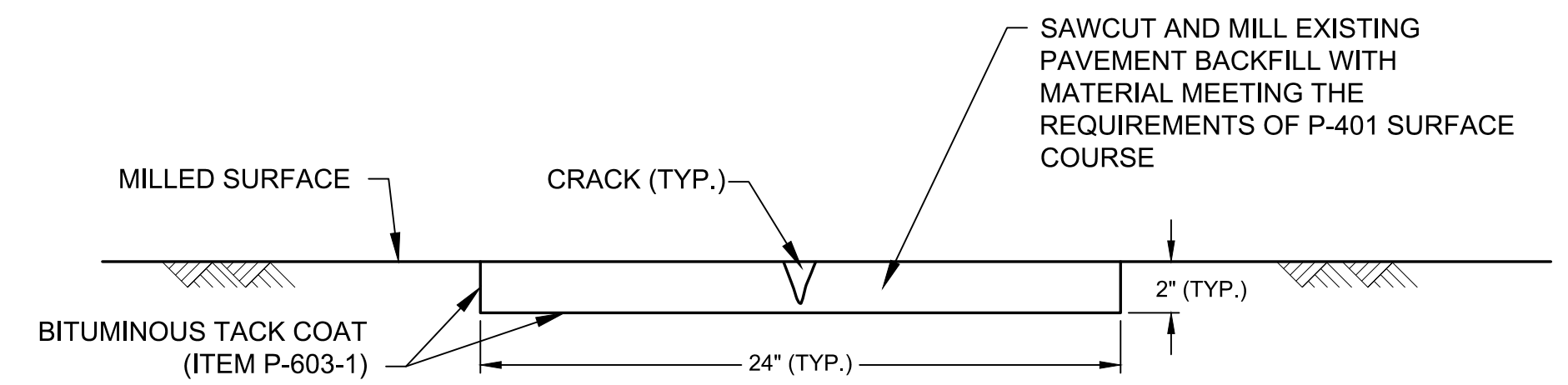
- NOTE:
- T = THICKNESS OF NEW LIFT/PAVEMENT REMOVED IN INCHES
 - ALL COSTS ASSOCIATED WITH PAVEMENT TRANSITIONS SHALL BE INCLUDED IN ITEM M-120-1



JOINT SEALING DETAIL (3)

N.T.S.

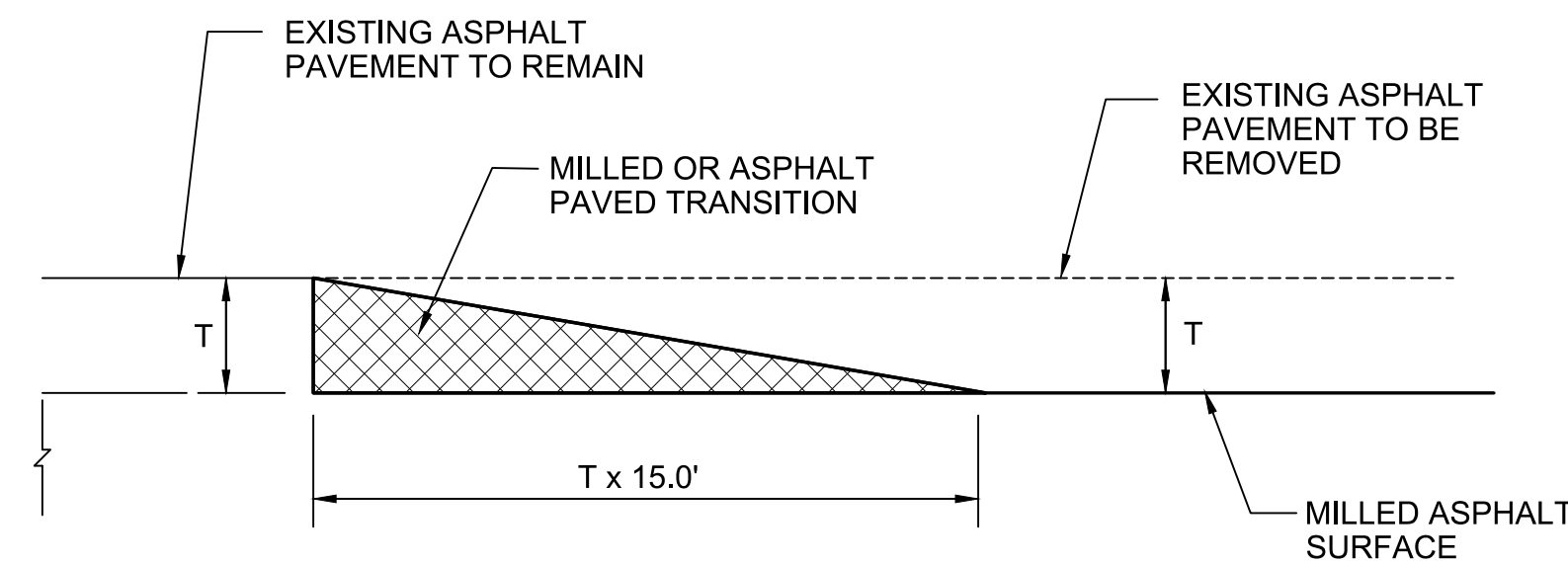
- NOTE:
- ALL PAVEMENT JOINT CONSTRUCTION SHALL BE INCLUDED IN THE COST OF ITEM P-401.
 - ALL JOINT SEALING SHALL BE DONE IN ACCORDANCE WITH SPECIFICATION P-605.



TYPE 2 PAVEMENT REPAIR DETAIL (5)

N.T.S.
ITEM P-101-5

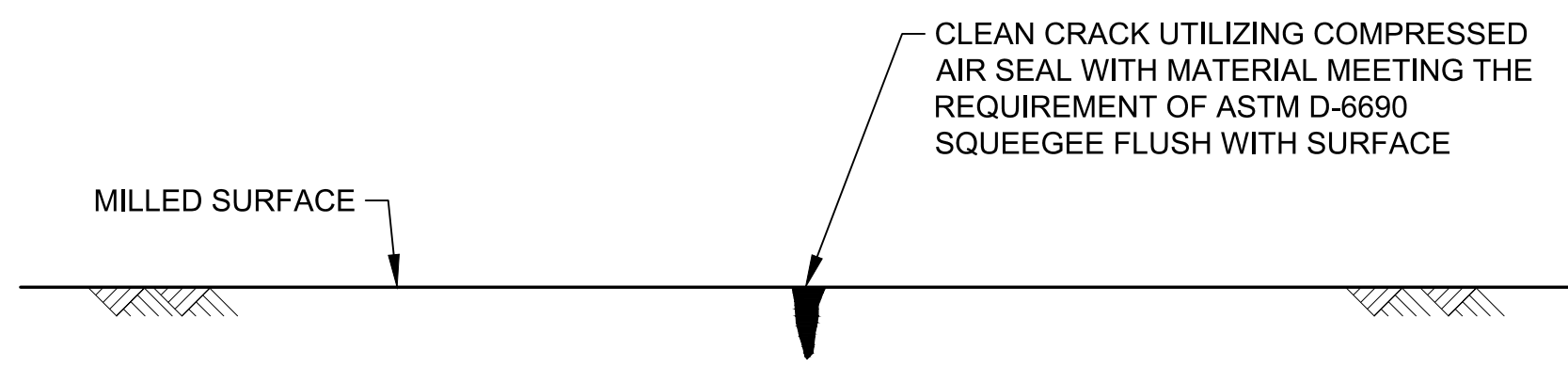
- NOTE:
- APPLICATION = $> 3/4"$, MULTIPLE CRACKS, OR AS ORDERED BY ENGINEER.
 - INCLUDE ALL COSTS IN ITEM P-101-5.



TEMPORARY LONGITUDINAL PAVEMENT TRANSITION DETAIL (1)

N.T.S.

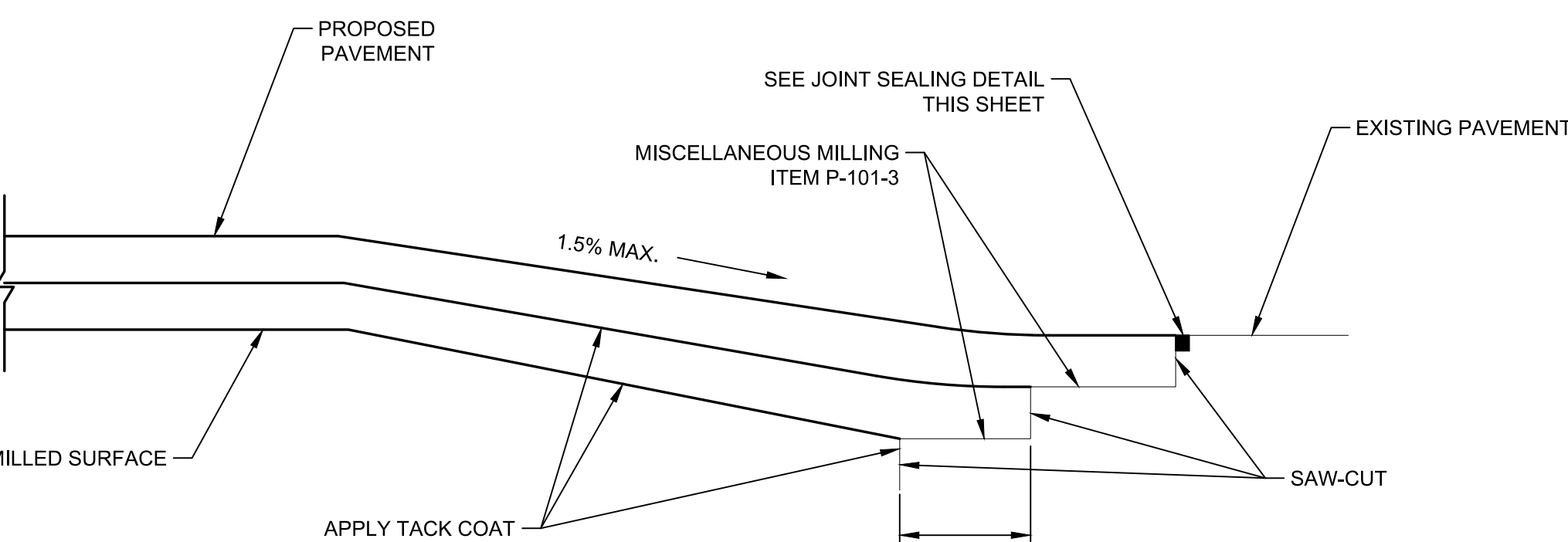
- NOTE:
- T = THICKNESS OF NEW LIFT/PAVEMENT REMOVED IN INCHES
 - ALL COSTS ASSOCIATED WITH PAVEMENT TRANSITIONS SHALL BE INCLUDED IN ITEM M-120-1



TYPE 1 PAVEMENT REPAIR DETAIL (4)

N.T.S.
ITEM P-101-4

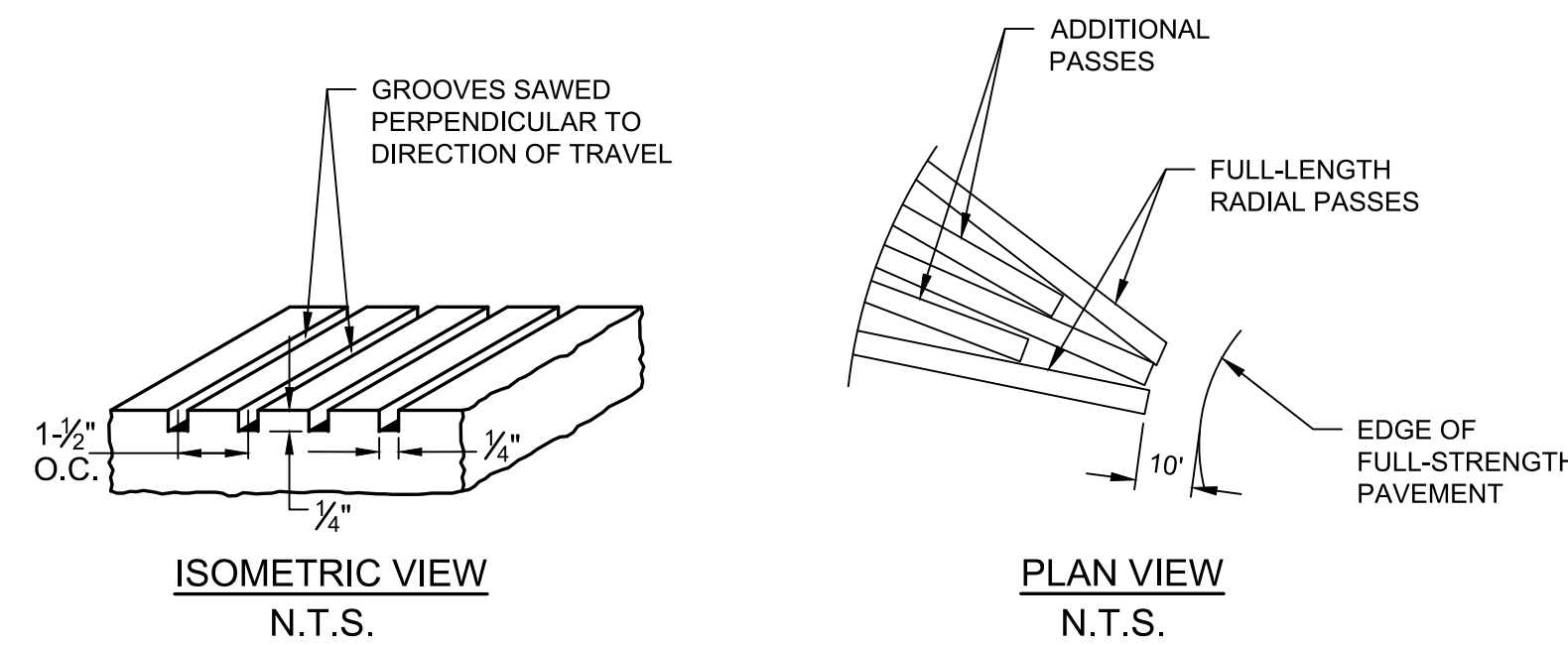
- NOTE:
- APPLICATION = $1/4"$ $< 3/4"$ OR AS ORDERED BY ENGINEER.
 - INCLUDE ALL COSTS IN ITEM P-101-4.



TYPICAL PAVEMENT TIE-IN DETAIL (2)

N.T.S.

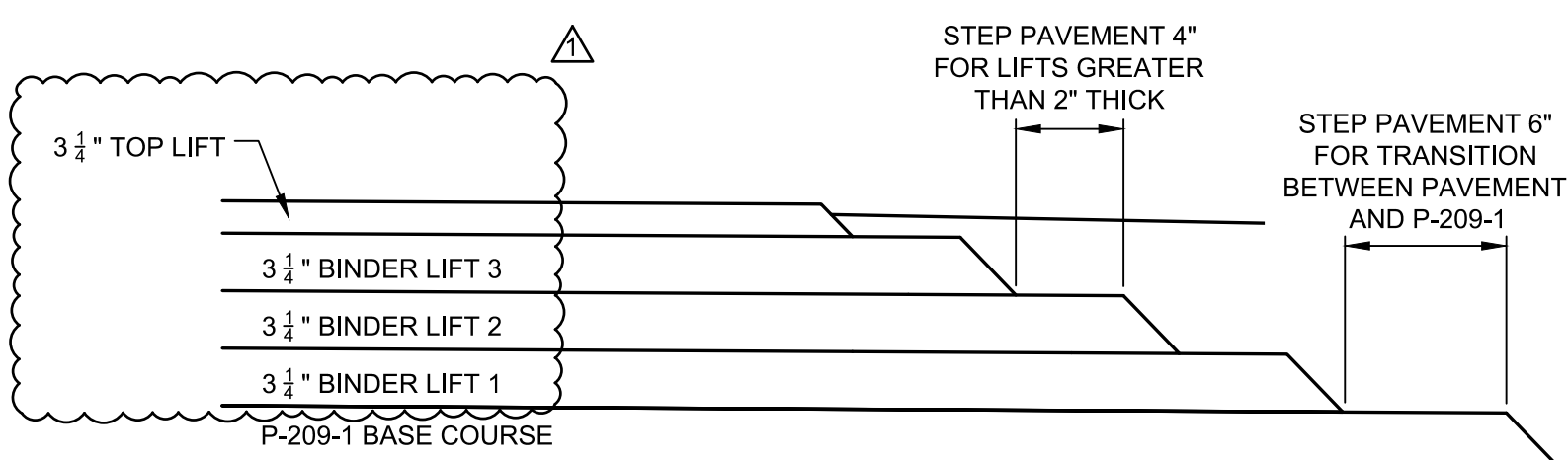
TS-02



TYPICAL TRANSVERSE TAXIWAY GROOVING DETAIL (7)

NOT TO SCALE
(ITEM P-621-1)

- NOTES:
- CONTRACTOR TO FIELD VERIFY THE PAVEMENT GROOVING LIMITS WITH THE ENGINEER PRIOR TO COMMENCEMENT OF THE GROOVING
 - GROOVES SHALL BE SAWED RADIAL TO TAXIWAY CENTERLINE.
 - THE AREA BETWEEN FULL LENGTH RADIAL PASSES SHALL BE GROOVED WITH AS MANY PASSES AS REQUIRED TO FILL THIS AREA.
 - GROOVING SHALL BE PERFORMED AFTER JOINT SEALING OPERATIONS. GROOVES SHALL NOT CROSS JOINTS AT AN ANGLE LESS THAN 4 DEGREES.



TYPICAL PAVEMENT STEP DETAIL (9)

N.T.S.

TS-02

CONSTRUCTION BID SET

REV	DATE	DESCRIPTION	BY
	8/11/2023	REVISED DETAIL 9 - ADDENDUM 3	SGJ

McFarland Johnson
49 COURT STREET, SUITE 240
BINGHAMTON, NEW YORK 13901

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SYRACUSE REGIONAL AIRPORT AUTHORITY
CITY OF SYRACUSE, STATE OF NEW YORK
TAXIWAY A REHABILITATION (WEST)

TYPICAL SECTIONS & PAVEMENT DETAILS (SHEET 2 OF 2)

SCALE: NTS	DESIGN: JPM	TS-02A
DRAWN: SGJ	PROJECT: 18831.06	
CHECKED: WEV	DATE: AUGUST 2023	

SEASON	VARIETY	RATE (LBS/ACRE)	MULCH TYPE	MULCH RATE (TONS/ACRE)
APRIL 1 TO OCTOBER 15	ANNUAL RYEGRASS	30	FIBER	2

NOTES:

- SEED SHALL HAVE A MINIMUM SEED PURITY OF 98%, A MINIMUM GERMINATION OF 90%, AND CONTAIN 99% PURE LIVE SEED.

TEMPORARY SEED AND MULCH TABLE

ITEM C-102-3

1
GD-02

VARIETY	RATE (LBS/ACRE)	MULCH TYPE	MULCH RATE (TONS/ACRE)
SEED TYPE 1	110	FIBER	2-3
SEED TYPE 2	110	FIBER	2-3
SEED TYPE 3	110	FIBER	2-3

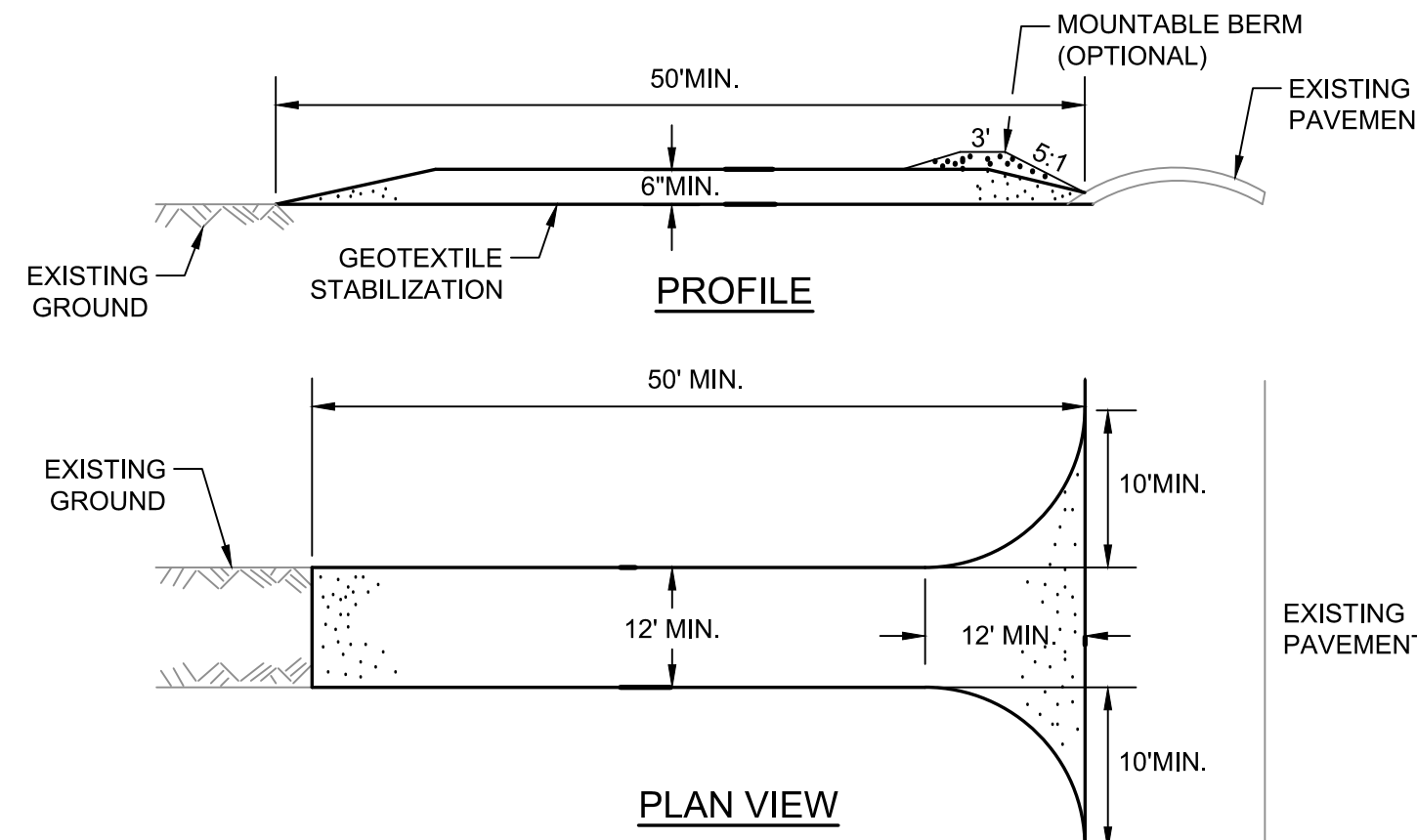
NOTES:

- SEED MIX SHALL BE A THREE-WAY BLEND OF ENDOPHYTE ENHANCED DWARF TURF TYPE TALL FESCUES MEETING THE REQUIREMENT OF SPECIFICATION T-901.
- SEED SHALL HAVE A >90% ENDOPHYTE INFECTION, A MINIMUM SEED PURITY OF 98%, A MINIMUM GERMINATION OF 90%, AND EACH CONTAIN 33% PURE LIVE SEED.

PERMANENT SEED AND MULCH TABLE

ITEM T-908-1
ITEM T-901-1

2
GD-02



CONSTRUCTION SPECIFICATIONS:

- STONE SIZE - USE # 3 CRUSHED STONE OR GRAVEL.
- LENGTH - NOT LESS THAN 50 FEET.
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS, TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
- GEOTEXTILE STABILIZATION - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN EVENT.
- STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED IN THE BASE BID STAGING AREA.

CONSTRUCTION ENTRANCE

ITEM C-102-44
N.T.S.

3
GD-02

CONSTRUCTION BID SET

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CITY OF SYRACUSE, STATE OF NEW YORK
TAXIWAY A REHABILITATION (WEST)

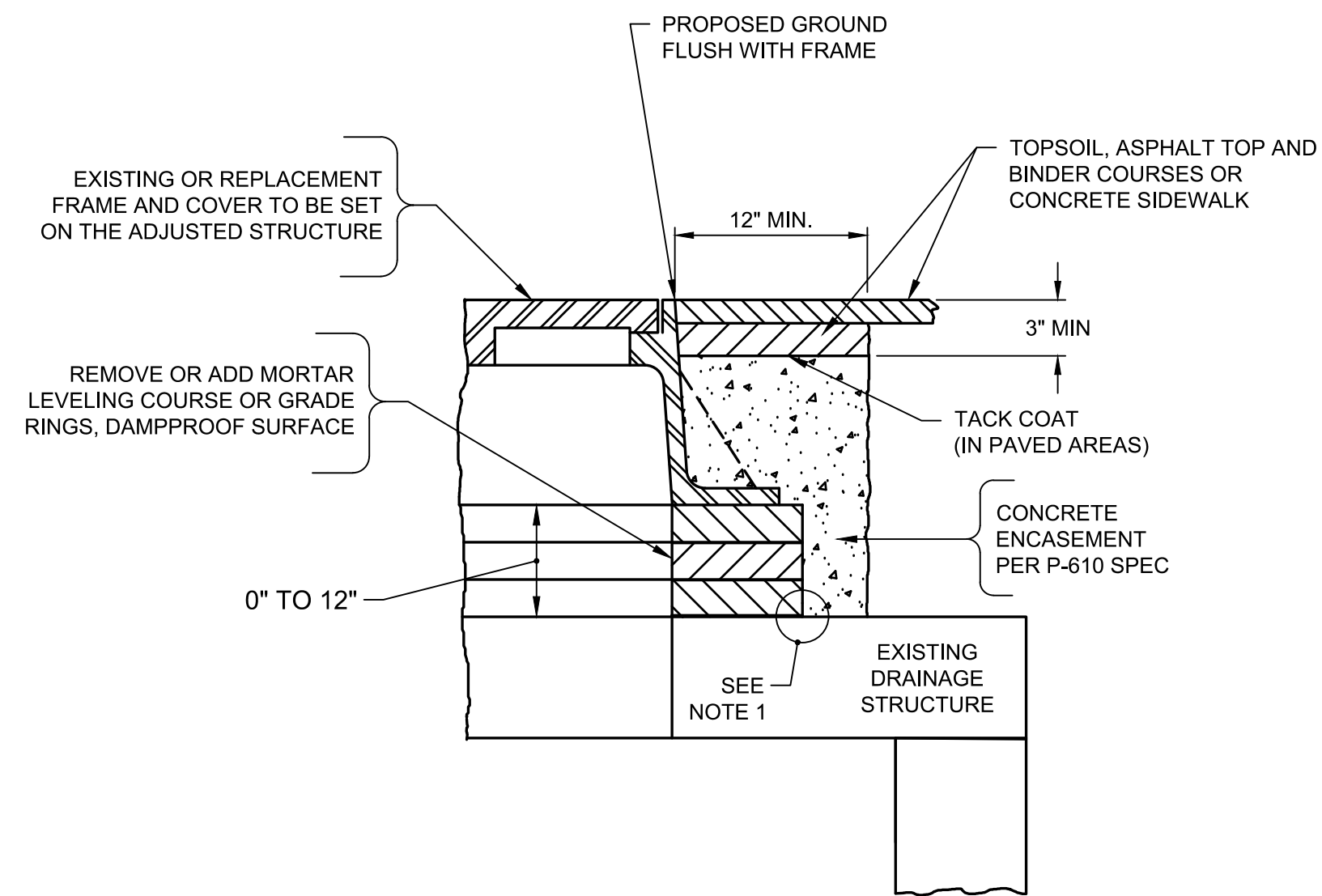
GRADING & EROSION CONTROL
DETAILS (SHEET 2 OF 2)

REV	DATE	DESCRIPTION	BY
△	8/11/2023	REVISED DETAIL 2 - ADDENDUM 3	SGJ
△	8/11/2023	REVISED DETAIL 3 - ADDENDUM 3	SGJ



McFarland Johnson
49 COURT STREET, SUITE 240
BINGHAMTON, NEW YORK 13901

SCALE: NTS	DESIGN: JPM	GD-02A
DRAWN: SDB	PROJECT: 18831.06	
CHECKED: WEV	DATE: AUGUST 2023	

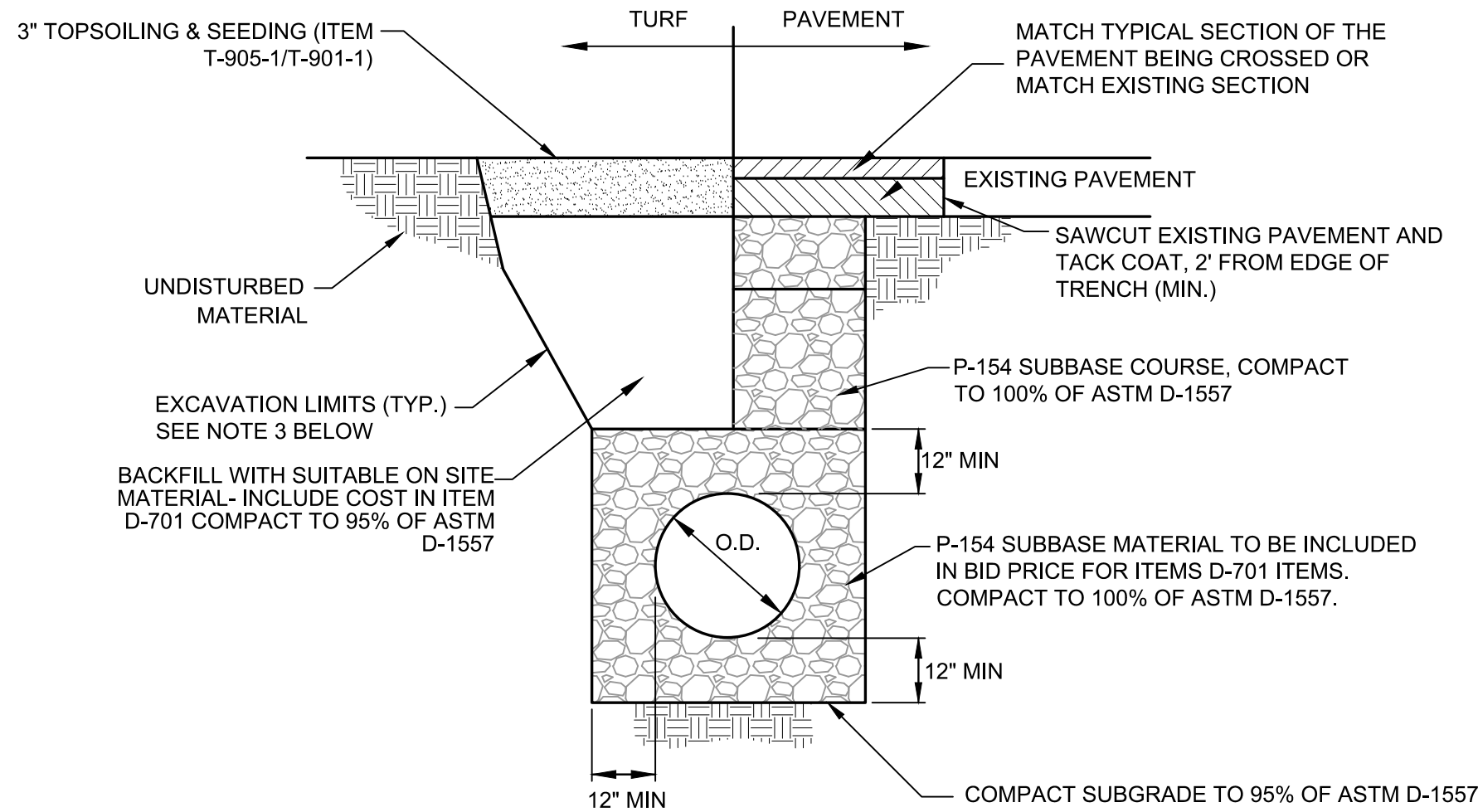


- NOTES:**
1. THE LOWER LIMIT OF THE CONCRETE ENCASMENT SHALL BE AT, OR BELOW, THE LOWEST PORTION OF THE BRICK AND MORTAR LEVELING COURSE.
 2. THE CONTRACTOR SHALL REMOVE OR ADD COURSES OF BLOCK OR BRICK IN ORDER TO ADJUST THE MANHOLE SUCH THAT THE FRAME AND COVER/GRATE WILL BE AT THE PROPER FINISH GRADE AND CROSS-SLOPE.
 3. THE COST FOR TACK COAT, CONCRETE ENCASMENT, DAMPROOFING, EXCAVATION, BACKFILL AND LEVELING COURSES SHALL BE INCLUDED IN ITEM D-751-51 OR ITEM D-751-8.

MINOR FRAME & COVER/GRATE ADJUSTMENT - RAISE & LOWER

N.T.S.
ITEM D-751-51, ITEM D-751-8

1
DR-02

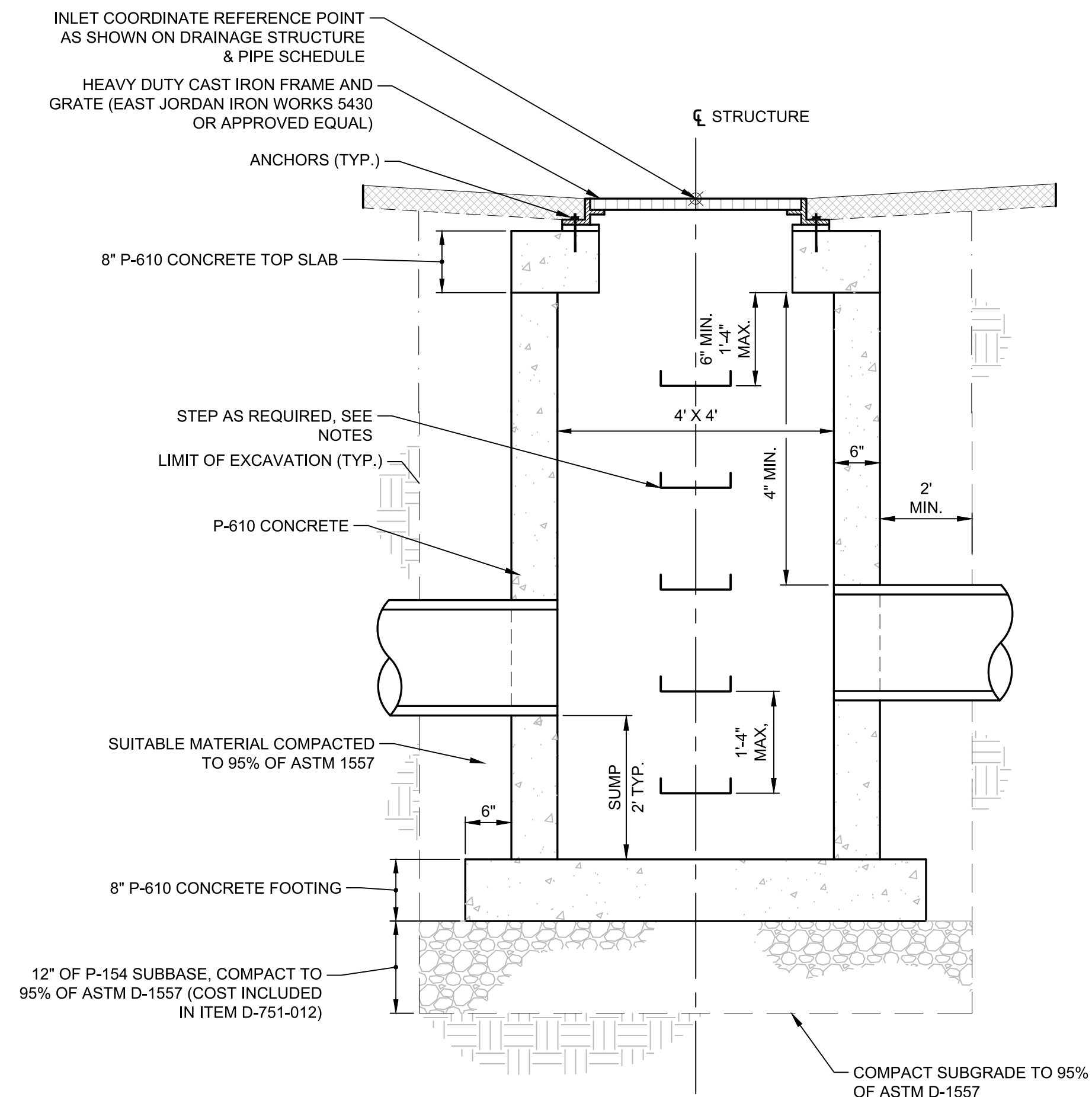


- NOTES:**
1. THE CONTRACTOR SHALL DO ALL BRACING, SHEATHING, OR SHORING NECESSARY TO IMPLEMENT AND PROTECT THE EXCAVATION AS REQUIRED FOR SAFETY OR CONFORMANCE TO GOVERNING LAWS.
 2. SHEETING AND SHORING SYSTEMS DESIGN MUST BE PREPARED BY A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER.
 3. ALL EXCAVATION AND ANY REQUIRED SHEETING AND SHORING SHALL BE DONE IN ACCORDANCE WITH THE LATEST REVISIONS OF THE FOLLOWING CODES:
A. SUBPART 23-4, "EXCAVATION OPERATIONS" OF NEW YORK STATE DEPARTMENT OF LABOR INDUSTRIAL CODE RULE 23.
B. SUBPART P, "EXCAVATION, TRENCHING AND SHORING" OF U.S. DEPARTMENT OF LABOR O.S.H.A. REGULATIONS FOR CONSTRUCTION.
THE MORE STRINGENT REQUIREMENT IN EACH CODE SHALL APPLY.
 4. WORK INCLUDES DEWATERING AS NECESSARY
 5. PIPE SHALL BE INSTALLED IN THE CENTER OF THE TRENCH.

TYPICAL PIPE TRENCH DETAIL

N.T.S.
ITEM D-701-012

2
DR-02

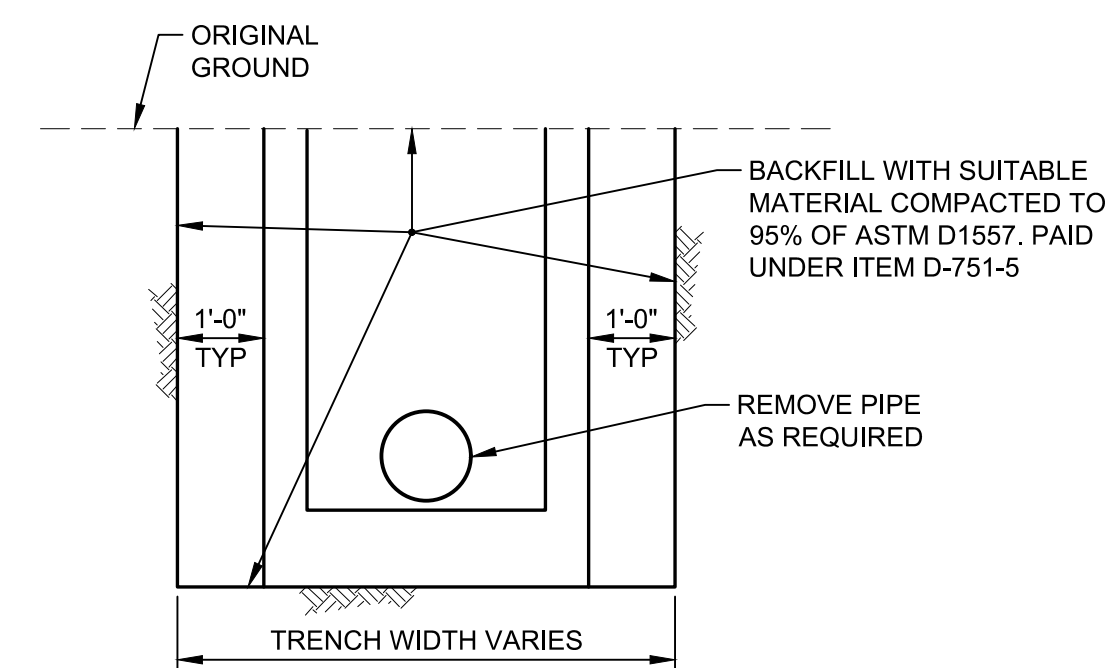


- NOTES:**
1. DRAINAGE STRUCTURES SHALL BE CAST IN PLACE (RECTANGULAR ONLY) OR PRECAST UNITS (RECTANGULAR OR ROUND).
 2. STEPS SHALL BE REQUIRED IN ALL STRUCTURES DEEPER THAN 4'-0".
 3. NORTHING AND EASTING COORDINATES ARE GIVEN TO THE CENTER OF THE STRUCTURE.
 4. DRAIN INLETS SHALL BE DESIGNED TO CARRY A SURFACE WHEEL LOADING OF 195 PSI MINIMUM (BOEING 767-400).
 5. ALL CASTINGS SHALL BE CAPABLE OF CARRYING AN AIRCRAFT WHEEL LOADING OF 195 PSI MINIMUM (BOEING 767-400).

RECTANGULAR DRAINAGE STRUCTURE, 4'x4'

NOT TO SCALE
ITEM D-751-012

3
DR-02

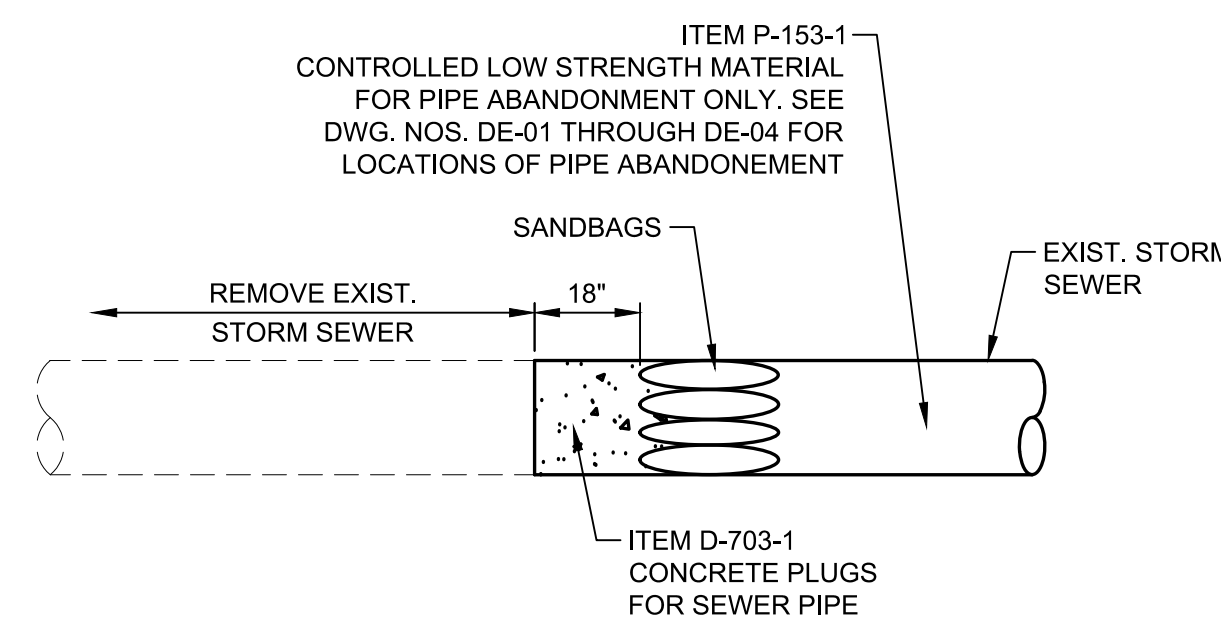


REMOVAL OF EXISTING DRAINAGE STRUCTURES

N.T.S.
NOTE: EXCAVATION AND REMOVAL OF EXISTING STRUCTURES WILL BE PAID FOR UNDER ITEM D-751-7

EXISTING REMOVAL DETAILS

4
DR-02



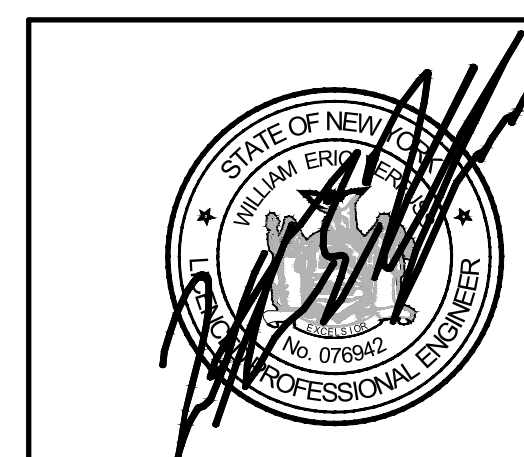
- PIPE ABANDONMENT NOTES:**
1. WHEN PLACING CONTROLLED LOW STRENGTH MATERIAL (CLSM), PLUG DOWNSTREAM END OF PIPE TO BE ABANDONED AND PLACE CLSM FROM UPSTREAM END OR A.O.B.E.

DETAILS FOR PERMANENT PIPE PLUG OR ABANDONMENT

N.T.S.
ITEM P-153-1, ITEM D-703-1

5
DR-02

CONSTRUCTION BID SET



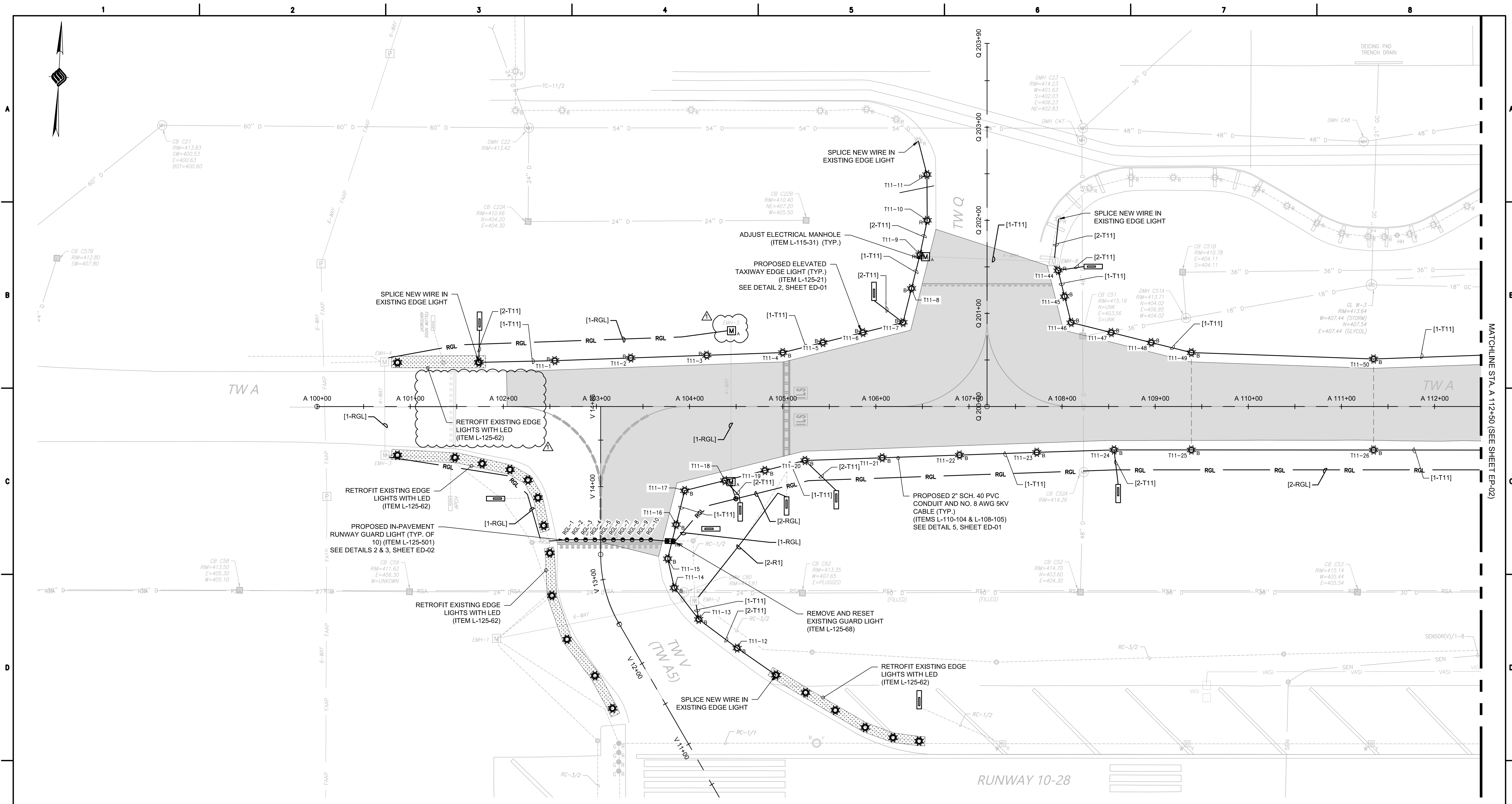
McFarland Johnson
49 COURT STREET, SUITE 240
BINGHAMTON, NEW YORK 13901

REV	DATE	DESCRIPTION	BY
	8/11/2023	REVISED DETAIL 4 - ADDENDUM 3	SGJ

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SYRACUSE REGIONAL AIRPORT AUTHORITY
CITY OF SYRACUSE, STATE OF NEW YORK
TAXIWAY A REHABILITATION (WEST)
DRAINAGE DETAILS (SHEET 2 OF 2)

SCALE: NTS	DESIGN: JPM	DR-02A
DRAWN: SGJ	PROJECT: 18831.06	
CHECKED: WEV	DATE: AUGUST 2023	



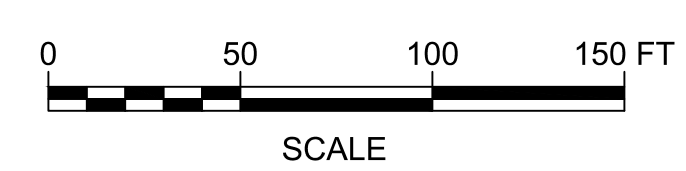
MATCHLINE STA. A 112+50 (SEE SHEET EP-02)

CONDUIT AND CABLE LABELING LEGEND	
[1-T2]	PROPOSED TAXIWAY LIGHTING CIRCUIT NO. 2 WITH 1 CABLE
[2-T2]	PROPOSED TAXIWAY LIGHTING CIRCUIT NO. 2 WITH 2 CABLES
[1-RGL]	PROPOSED RUNWAY GUARD LIGHT CIRCUIT WITH 1 CABLE
[2-RGL]	PROPOSED RUNWAY GUARD LIGHT CIRCUIT WITH 2 CABLES

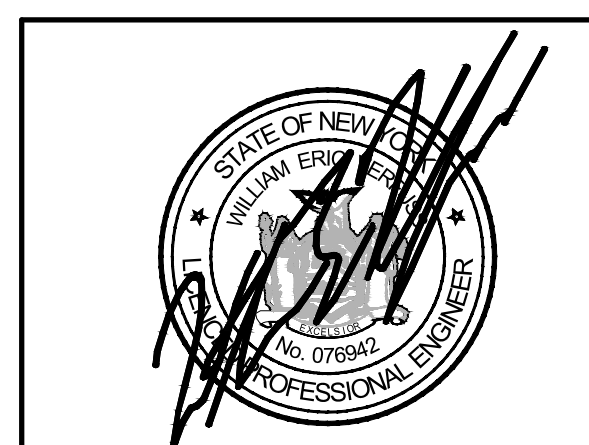
CIRCUIT SCHEDULE	
CIRCUIT	PROPOSED CABLE
TC-1	1-1/C NO. 8 AWG, 5KV
TC-2	
TC-4	
TC-6	
TC-11	
RGL	1-1/C NO. 6 AWG, 5KV
R1	

LIGHT LENS COLOR LEGEND	
B	360° BLUE
R	360° RED

- NOTES:**
- CONTRACTOR SHALL MAINTAIN SERVICE TO EXISTING ELECTRICAL ELECTRICAL AND COMMUNICATION FACILITIES AT ALL TIMES.
 - REFER TO SHEETS ED-01 THROUGH ED-04 FOR ELECTRICAL DETAILS.
 - REFER TO SHEET EP-00 FOR ELECTRICAL LEGEND.
 - TAXIWAY DESIGNATIONS IN PARENTHESES REPRESENT FUTURE NAMING NOMENCLATURE TO BE COMPLETED BY OTHERS.



CONSTRUCTION BID SET



McFarland Johnson
49 COURT STREET, SUITE 240
BINGHAMTON, NEW YORK 13901

REV	DATE	DESCRIPTION	BY
1	8/11/2023	CLARIFIED CALLOUT - ADDENDUM 3	SGJ
2	8/11/2023	ADDITIONAL EMH TO BE ADJUSTED - ADDENDUM 3	SGJ

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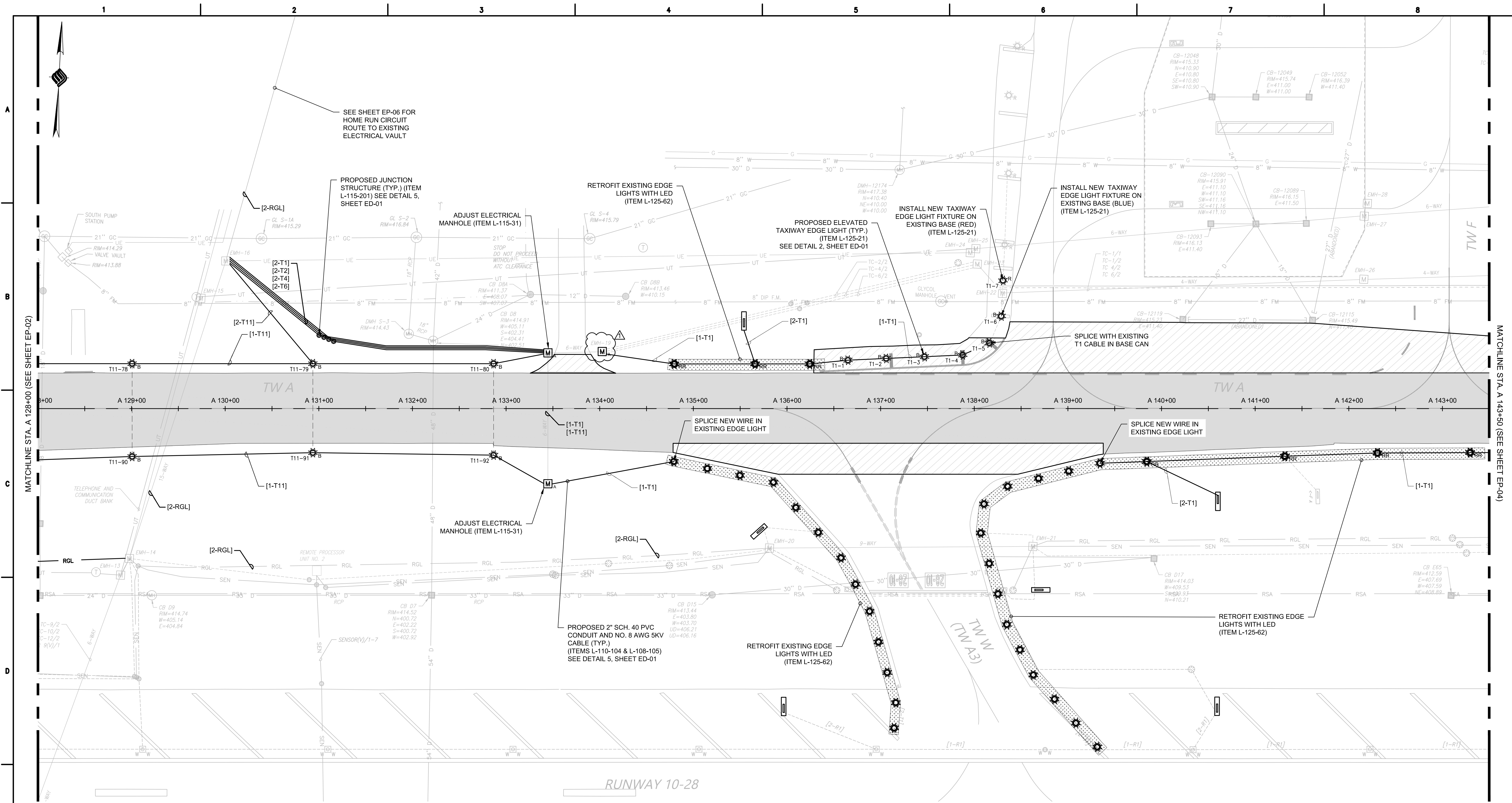
**SYRACUSE REGIONAL AIRPORT AUTHORITY
CITY OF SYRACUSE, STATE OF NEW YORK**

TAXIWAY A REHABILITATION (WEST)

AIRFIELD LIGHTING PLAN (SHEET 1 OF 4)

SCALE: AS SHOWN	DESIGN: JPM
DRAWN: SDB	PROJECT: 18831.06
CHECKED: WEV	DATE: AUGUST 2023

EP-01A
47 OF 71

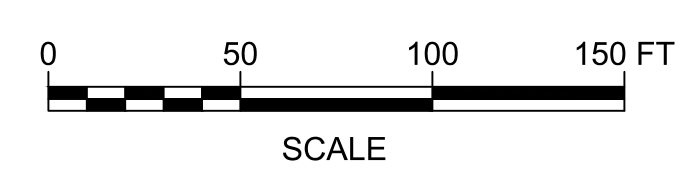


CONDUIT AND CABLE LABELING LEGEND	
[1-T2]	PROPOSED TAXIWAY LIGHTING CIRCUIT NO. 2 WITH 1 CABLE
[2-T2]	PROPOSED TAXIWAY LIGHTING CIRCUIT NO. 2 WITH 2 CABLES
[1-RGL]	PROPOSED RUNWAY GUARD LIGHT CIRCUIT WITH 1 CABLE
[2-RGL]	PROPOSED RUNWAY GUARD LIGHT CIRCUIT WITH 2 CABLES

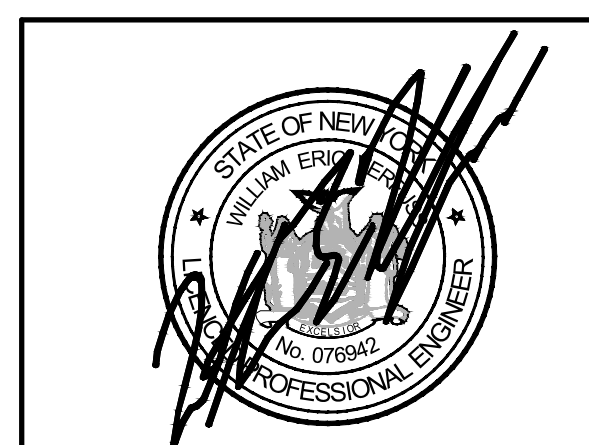
CIRCUIT SCHEDULE	
CIRCUIT	PROPOSED CABLE
TC-1	1-1/C NO. 8 AWG, 5KV
TC-2	
TC-4	
TC-6	
TC-11	1-1/C NO. 6 AWG, 5KV
RGL	
R1	

LIGHT LENS COLOR LEGEND	
B	360° BLUE
R	360° RED

- NOTES:**
- CONTRACTOR SHALL MAINTAIN SERVICE TO EXISTING ELECTRICAL ELECTRICAL AND COMMUNICATION FACILITIES AT ALL TIMES.
 - REFER TO SHEETS ED-01 THROUGH ED-04 FOR ELECTRICAL DETAILS.
 - REFER TO SHEET EP-00 FOR ELECTRICAL LEGEND.
 - TAXIWAY DESIGNATIONS IN PARENTHESES REPRESENT FUTURE NAMING NOMENCLATURE TO BE COMPLETED BY OTHERS.



CONSTRUCTION BID SET



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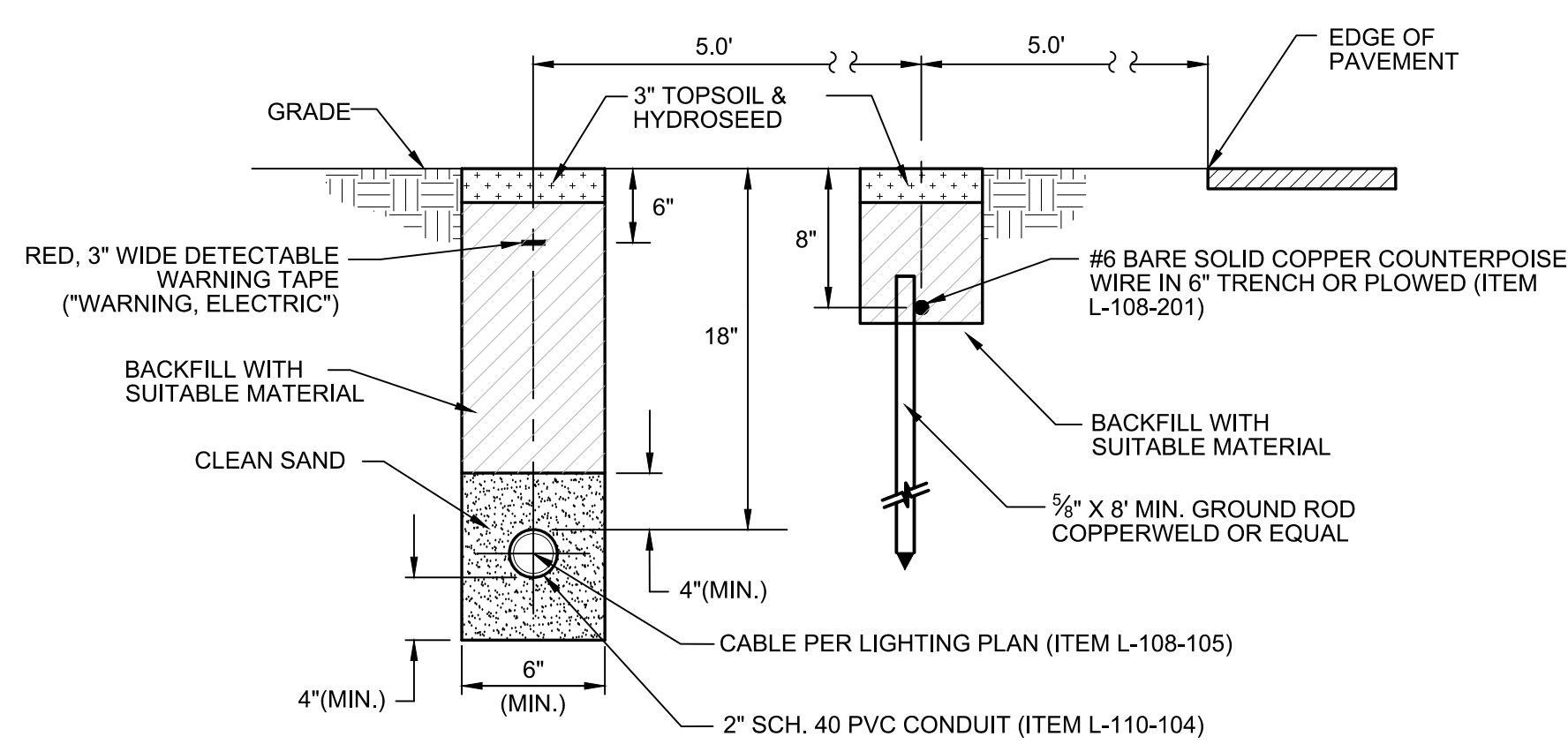
REV	DATE	DESCRIPTION	BY
	8/11/2023	ADDITIONAL EMH TO BE ADJUSTED - ADDENDUM 3	SGJ

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECT DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN 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 A SPECIFIC DESCRIPTION OF THE ALTERATION.

SYRACUSE REGIONAL AIRPORT AUTHORITY
CITY OF SYRACUSE, STATE OF NEW YORK
TAXIWAY A REHABILITATION (WEST)
AIRFIELD LIGHTING PLAN (SHEET 3 OF 4)

SCALE: AS SHOWN	DESIGN: JPM
DRAWN: SDB	PROJECT: 18831.06
CHECKED: WEV	DATE: AUGUST 2023

EP-03A
49 OF 71

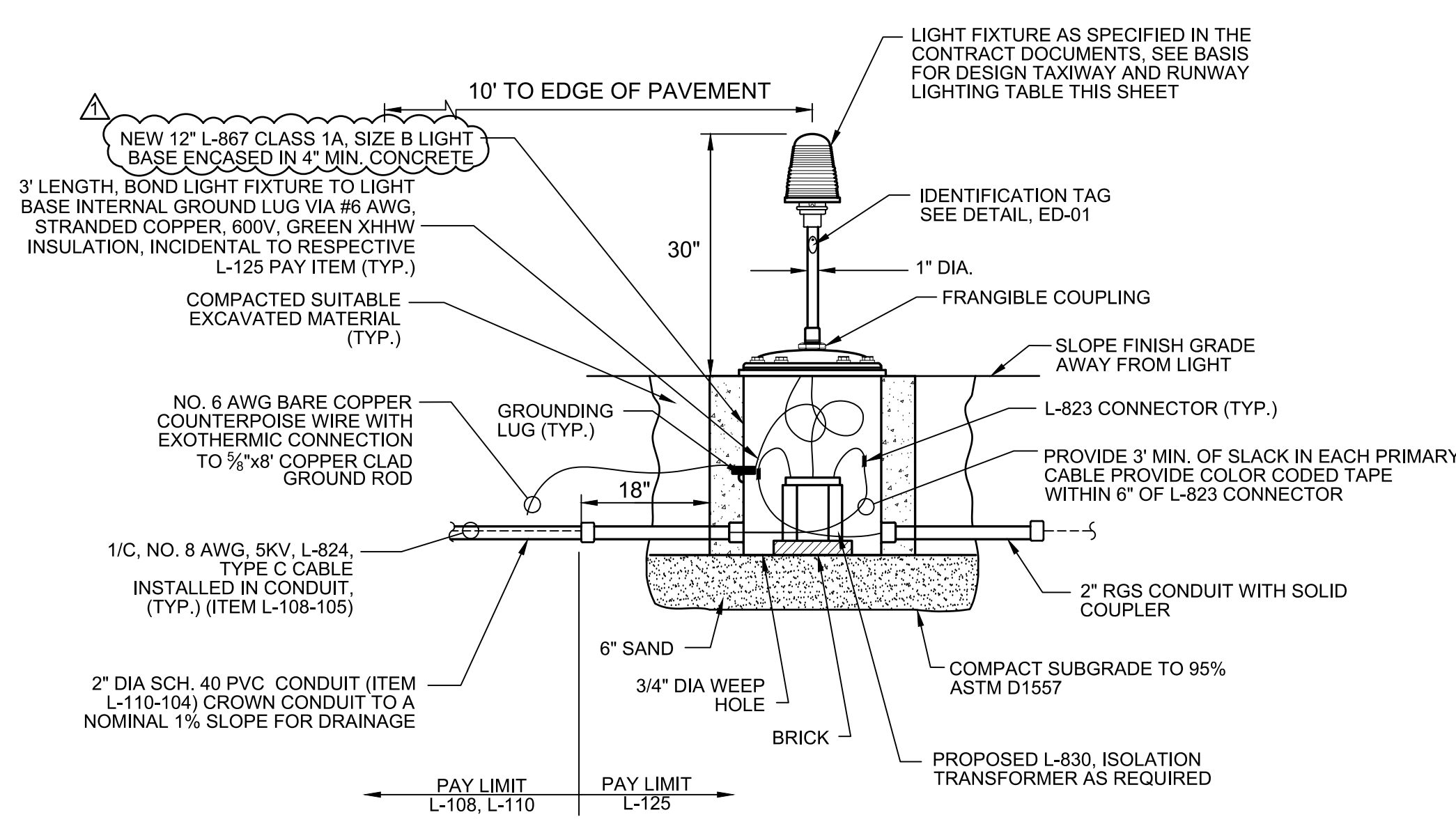


- NOTES:**
- #6 BARE COUNTERPOISE WITH 1/2" X 8" MIN. GROUND ROD INSTALLED AT MAXIMUM 500' SPACING. INSTALL GROUND RODS TO TERMINATE THE COUNTERPOISE AT BOTH ENDS OF DUCT.
 - TOP OF GROUND ROD SHALL BE INSTALLED 6" BELOW GRADE AND ATTACHED TO THE COUNTERPOISE WITH AN EXOTHERMIC WELDED CONNECTION MADE AT 8" BELOW GRADE.
 - COST OF TRENCHING, BACKFILL, AND RESTORATION TO BE INCLUDED IN CABLE/CONDUIT BID ITEMS.

CONDUIT AND COUNTERPOISE TRENCHING FOR TAXIWAY LIGHTING

NOT TO SCALE
(ITEM L-108-105, -201 & ITEM L-110-104)

1
ED-01

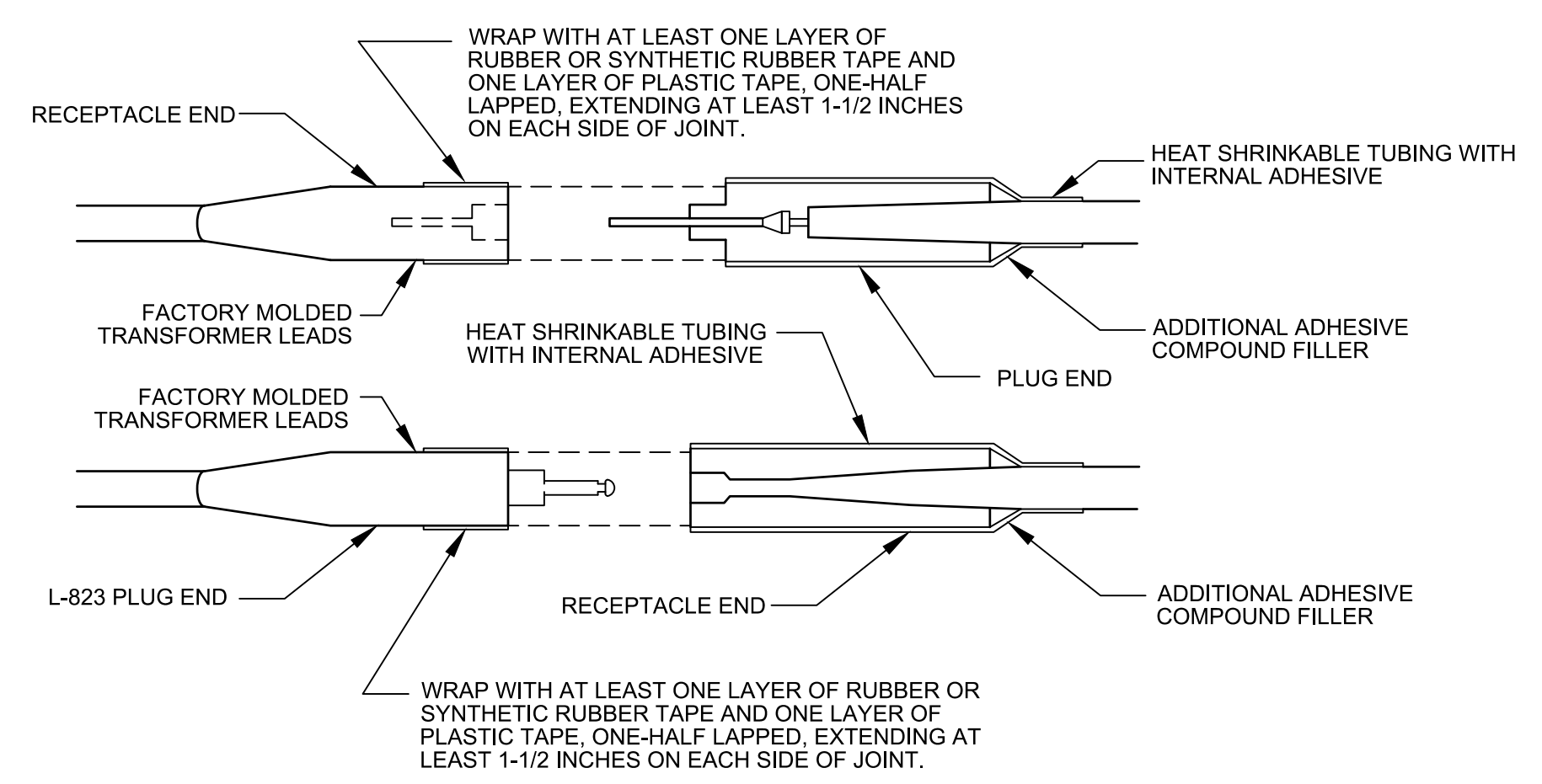


- TAXIWAY EDGE LIGHT NOTES:**
- TAXIWAY EDGE LIGHTS ARE TO BE SET 10' FROM THE EDGE OF PAVEMENT TO THE CENTERLINE OF THE LIGHT FIXTURE.
 - THE CONTRACTOR SHALL ADJUST THE HORIZONTAL DISTANCE FROM THE EDGE OF THE PAVEMENT SUCH THAT THE LIGHT FIXTURES FORM A STRAIGHT-LINE HORIZONTALLY ALONG THE ENTIRE RUNWAY EDGE AND VERTICALLY FOLLOW THE RUNWAY OR TAXIWAY GRADE.
 - SUFFICIENT CABLE SLACK (MIN. OF 3 FEET) SHALL BE LEFT IN EACH BASE TO ALLOW TRANSFORMER(S) TO BE TAKEN OUT OF THE BASE.
 - ID NUMBER SHALL BE ASSIGNED USING A LOGICAL ORDER DEPENDENT ON EXISTING LIGHT ID NUMBERS AND APPROVED BY THE ENGINEER AND AIRPORT MANAGER.
 - THE CONTRACTOR SHALL IDENTIFY WHICH LIGHT BASES REQUIRE MORE THAN TWO DUCTS OPENINGS TO ACCEPT ADDITIONAL CONDUIT

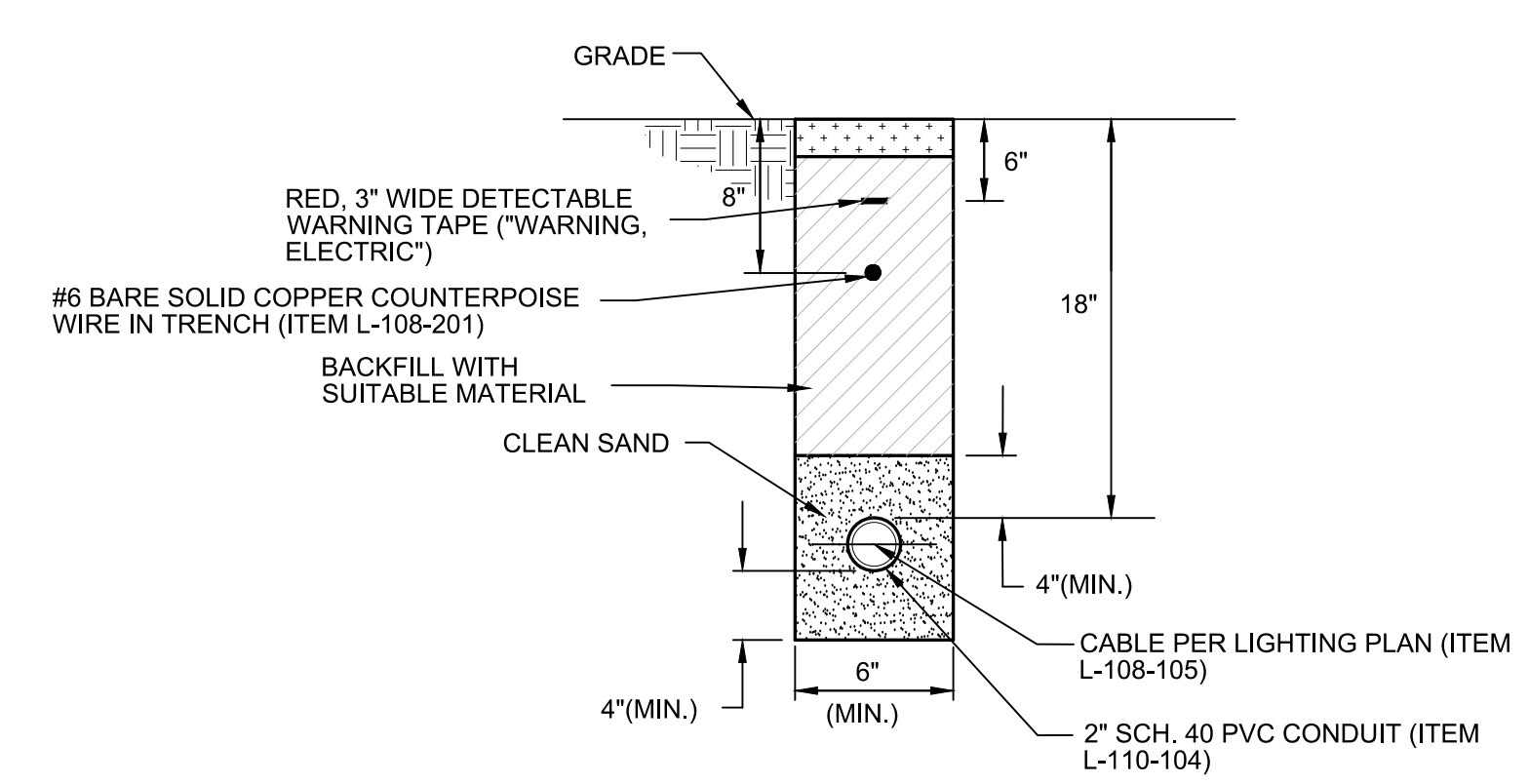
BASE-MOUNTED ELEVATED TAXIWAY EDGE LIGHT IN TURF

NOT TO SCALE
(ITEM L-125-21)

2
ED-01



L-823 CONNECTIONS

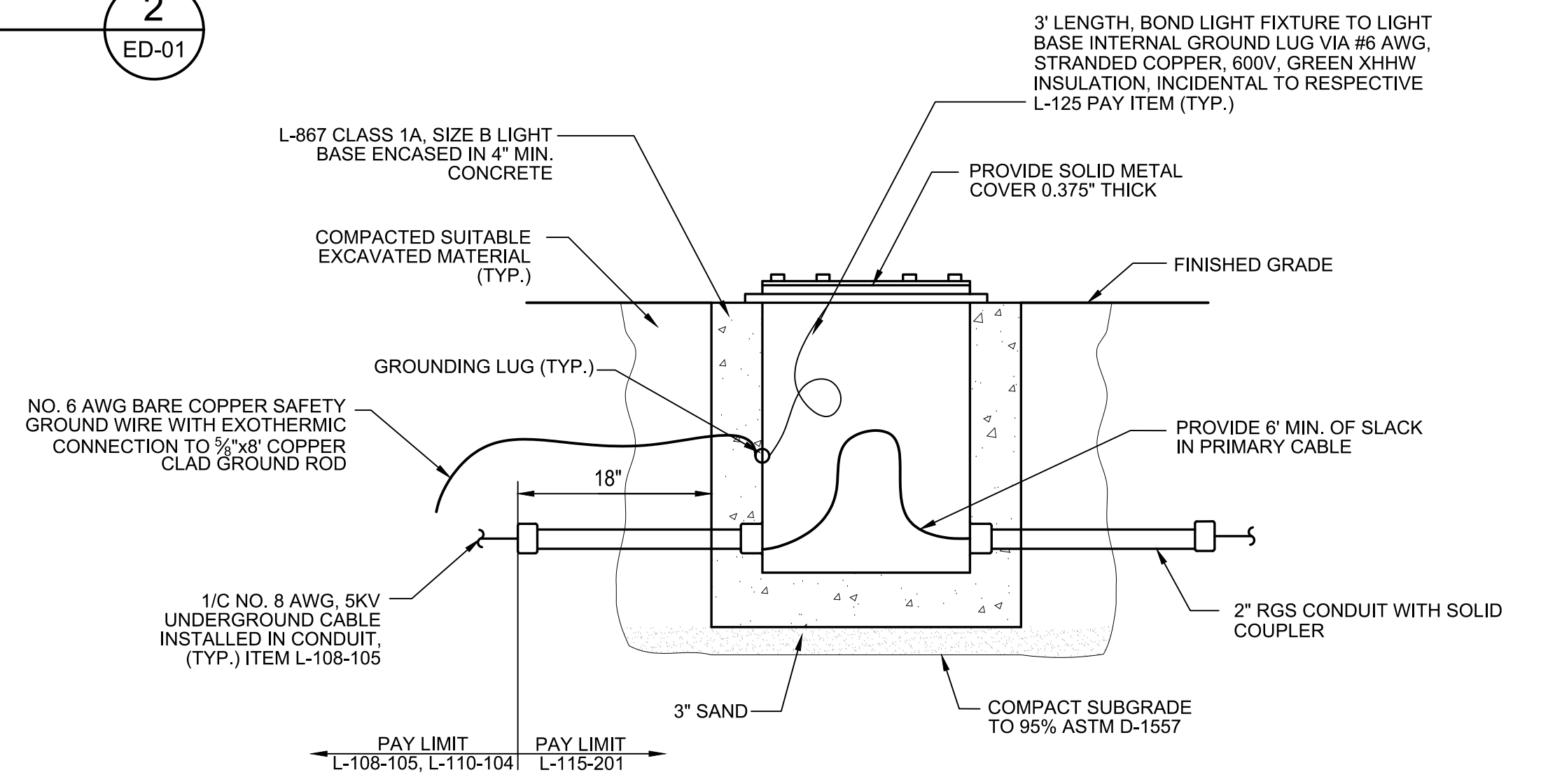


- NOTES:**
- COST OF TRENCHING, BACKFILL, AND RESTORATION TO BE INCLUDED IN RESPECTIVE CONDUIT BID ITEM.

CONDUIT TRENCHING FOR SIGNS

NOT TO SCALE
(ITEM L-108-105, -201 & L-110-104)

4
ED-01



ELECTRICAL JUNCTION CAN

NOT TO SCALE
(ITEM L-115-201)

5
ED-01

BASIS FOR DESIGN - TAXIWAY LIGHTING (TAXIWAY LIGHTING EQUIPMENT SHALL MEET OR EXCEED THE REQUIREMENTS OF FAA AC 150/5345-46, CURRENT EDITION)						
LIGHT FIXTURE	TYPE	LAMP	LENS	FIXTURE HEIGHT	CLASS	MODE
ELEVATED MEDIUM INTENSITY TAXIWAY EDGE LIGHT (MITL)	L-861T(L)	LED	BLUE (GLASS)	30 INCHES	2 - BASE-MOUNTED FIXTURE	1 - CONSTANT CURRENT 6.6 AMPERES
<p>NOTES:</p> <ul style="list-style-type: none"> L-861T EQUIPMENT SHALL BE THIRD PARTY CERTIFIED (INTERTEK/ETL). L-867 CLASS 1A SIZE B STANDARD BASE. 30/45W L-830 ISOLATION TRANSFORMER. 						

CONSTRUCTION BID SET



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BINGHAMTON, NEW YORK 13901

REV	DATE	DESCRIPTION	BY
8/11/2023		REVISED DETAIL 2 CALLOUT - ADDENDUM 3	SGJ
8/11/2023		REVISED BOD TABLE NOTES - ADDENDUM 3	SGJ

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECT DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN 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 A SPECIFIC DESCRIPTION OF THE ALTERATION.

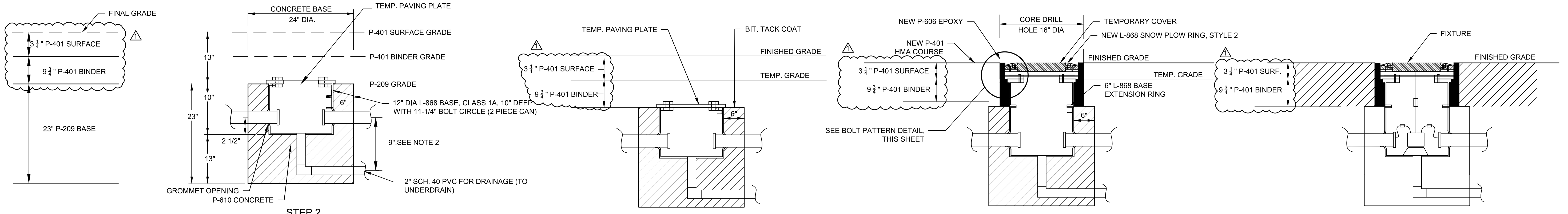
SYRACUSE REGIONAL AIRPORT AUTHORITY
CITY OF SYRACUSE, STATE OF NEW YORK

TAXIWAY A REHABILITATION (WEST)

ELECTRICAL DETAILS (SHEET 1 OF 4)

SCALE: NTS	DESIGN: JPM
DRAWN: SDB	PROJECT: 18831.06
CHECKED: WEV	DATE: AUGUST 2023

ED-01A
53 OF 71



- STEP 1**
- CONSTRUCT PAVEMENT SECTION UP TO P-209 BASE COURSE ELEVATION.
 - EXCAVATE FOR LIGHT BASE FOUNDATION AND CONDUIT.
- STEP 2**
- INSTALL NEW L-868 TYPE 1A, 12" DIA. BASE ALONG WITH REQUIRED CONDUIT AND DRAIN CONNECTIONS AND INSTALL TEMP. PAVING COVER.
 - PROVIDE CONDUIT SPACER EVERY 5'-0" TO MAINTAIN SEPARATION.
 - INSTALL GROUND ROD FOR EACH BASE CAN FOR GROUNDING AND COUNTERPOISE REQUIREMENTS.
 - CONSTRUCT CONCRETE FOUNDATION AND CONDUIT ENCASEMENT AS SHOWN ON CAN DETAIL.
 - BACKFILL AND COMPACT IN ACCORDANCE WITH P-209 SPECIFICATIONS AS APPLICABLE.
- STEP 3**
- SURVEY LOCATION OF INSTALLED L-868 BASE WITH TEMP. PAVING COVER APPLY BIT. TACK COAT AND INSTALL P-401 HMA COURSES.
- STEP 4**
- CORE DRILL 2" DIA. PILOT HOLE TO LOCATE L-868 BASE BENEATH NEW P-401 HMA COURSE.
 - CORE DRILL 16" DIA. HOLE, EXCAVATE MATERIAL, REMOVE TEMP. PAVING PLATE, INSTALL EXTENSION RING SECTION OF L-868 AND SPACERS AS REQUIRED.
- STEP 5**
- INSTALL ELECTRICAL COMPONENTS (SEE SEMI FLUSH LIGHT FIXTURE DETAIL, SHEET ED-04)

L-852G(L) IN-PAVEMENT RUNWAY GUARD LIGHT INSTALLATION DETAIL

NOT TO SCALE
(ITEM L-125-501)



- IN PAVEMENT GUARD LIGHT INSTALLATION NOTES:**
- CONCRETE AROUND BASE CAN AND CONDUIT. PLACE CONCRETE ANCHOR USING CARE THAT NEITHER JIG NOR LIGHT BASE ALIGNMENT IS DISTURBED (TYP.). FOR EXPEDIENCY, CONTRACTOR MAY USE HIGH EARLY CONCRETE.
 - DO NOT USE SHIPPING BOLTS. USE SAE GRADE 5 FLUOROPOLYMER COATED BOLTS WITH 2 PART LOCKING WASHERS TO ATTACH THE LIGHT FIXTURE. TORQUE BOLTS TO 21.7 FT-LBS.
 - DRAIN SHALL TERMINATE IN TAXIWAY UNDERDRAIN SYSTEM INSTALL LATERAL EVERY 10 LIGHTS AS SHOWN ON DRAWINGS
 - #6 AWG BARE COPPER COUNTERPOISE SHALL BE EXOTHERMICALLY BONDED TO 3/8" COPPER CLAD GROUND ROD
 - #6 AWG BARE COPPER COUNTERPOISE WIRE MUST BE MECHANICALLY BONDED TO THE EXTERNAL CAN LUG, CONTINUOUS FROM CAN TO CAN.
 - COUNTERPOISE MUST BE INSTALLED A MINIMUM OF 4" ABOVE CONDUIT.
 - THE CAN SHALL BE INSTALLED SUCH THAT THE LIGHT BEAM (CENTER OF LIGHT BASE) IS ALIGNED AS DESCRIBED PER AC 150/5340-30, PARAGRAPH 11.1. THE LIGHT BEAM MUST BE ALIGNED AS DESCRIBED IN THE LIGHTING SYSTEM MANUAL WITH A TOLERANCE ±1 DEGREE. THE LIGHTING FIXTURE MUST BE LEVEL, AND THE TOP OF THE SNOW RING EDGE MUST BE BETWEEN +0 INCH AND -1/16 INCH FROM THE PAVEMENT TOP.
 - THE CAN SHALL BE INSTALLED IN SUCH A MANNER THAT THE MOUNTING HEIGHT SHALL BE IN ACCORDANCE WITH AC 150/5340-30, PARAGRAPH 11.2 ELEVATION OF THE BASE WITH RESPECT TO THE TAXIWAY OR RUNWAY SURFACE AND AZIMUTH WITH RESPECT TO THE EDGE LIGHTS ARE TWO PARAMETERS THAT MUST BE MET. IT IS ABSOLUTELY NECESSARY THAT THE ELEVATION OF THE LIGHT BASE TOP FLANGE BE AT LEAST THE THICKNESS OF THE LIGHT FITTING PLUS THE THICKNESS OF TYPICAL PAVING TOLERANCES OF ±1/2 INCH (13 MM) BELOW THE PAVEMENT FINISHED SURFACE. IF LESS THAN THAT REMAINS AFTER PAVING, THE LIGHTING FIXTURE WILL BE UNACCEPTABLY HIGH. IF MORE THAN 3/4 INCH (19 MM) IS LEFT, FLAT SPACER RINGS CAN BE USED TO BRING THE LIGHTING FIXTURES UP TO THE CORRECT ELEVATION. IN ORDER TO PRESERVE THE BASE INTEGRITY AND PROPER BOLT TORQUE, A MAXIMUM OF TWO SPACER RINGS MAY BE STACKED TOGETHER.
 - THE LIGHT BASE CAN SHALL HAVE AN INTEGRAL ANCHOR RING TO DISSIPATE AIRCRAFT/LARGE VEHICULAR WHEEL LOADS.
 - END OF SNOW PLOW RING MUST BE SET 1/4" BELOW PAVEMENT IN ALL DIRECTIONS. SEE DETAIL 'A'
 - UTILIZE 2-PIECE BEVELED SPACER RING TO ENSURE SNOW RING FITS FLUSH IN ALL DIRECTIONS
 - SURVEY LOCATION OF L-868 BASE CAN & INSTALL TEMP STEEL PAVING COVER. INSTALL P-401.
 - DRAIN CONDUIT ONLY REQUIRED FOR LATERAL TO UNDERDRAIN. SEE LAYOUT SHEETS FOR LOCATIONS. CORE DEPTH FOR CANS WITHOUT DRAIN CONDUITS CAN BE REDUCED TO 28".
 - REFER TO SHEET ED-04 FOR IN PAVEMENT GUARD LIGHT ELECTRICAL COMPONENTS

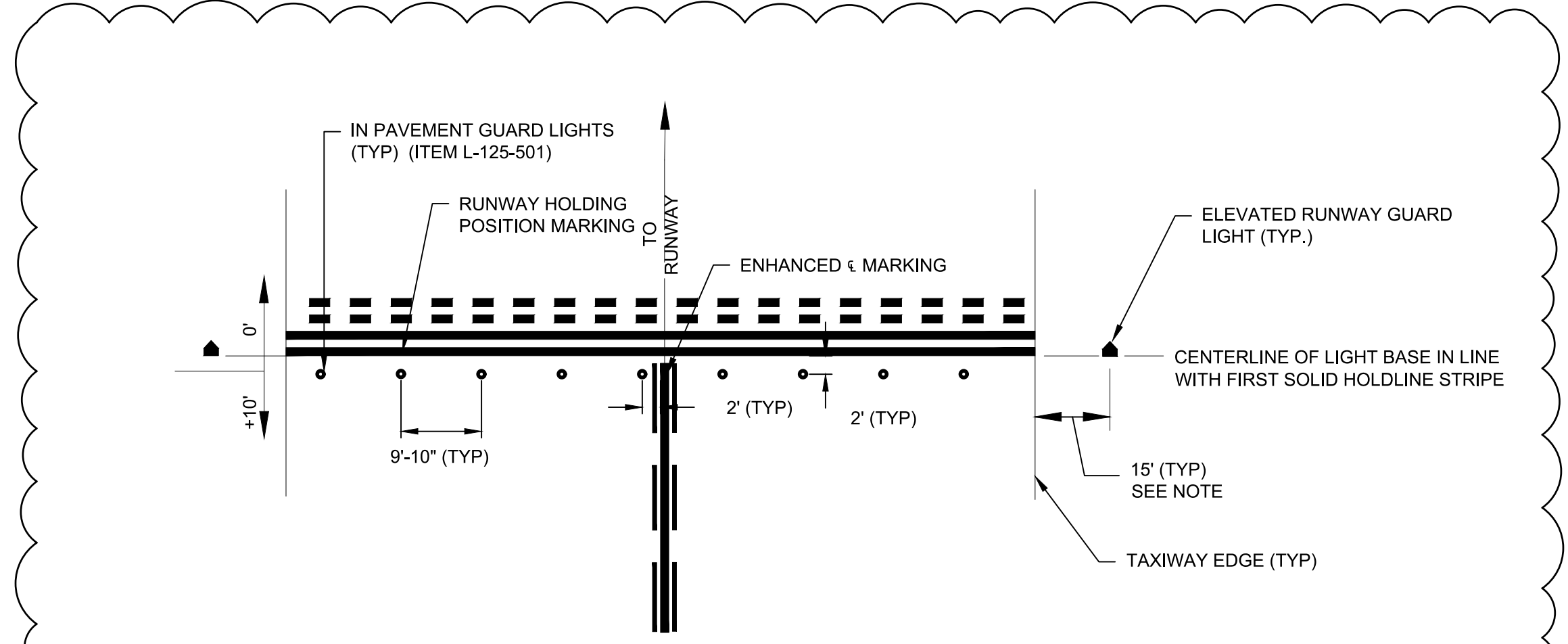
BOLT DETAIL FOR ALL IN PAVEMENT INSTALLATION

NOT TO SCALE



BASIS FOR DESIGN RUNWAY GUARD LIGHTING
(RUNWAY AND TAXIWAY LIGHTING EQUIPMENT SHALL MEET OR EXCEED THE REQUIREMENTS OF FAA AC 150/5345-46, CURRENT EDITION)

LIGHT FIXTURE	TYPE	LAMP	LENS	FIXTURE HEIGHT	CLASS	MODE	NOTES
IN-PAVEMENT RUNWAY GUARD LIGHTS (RGL)	L-852G(L)	LED	YELLOW, ALTERNATELY FLASHING	STYLE 2 - 1/4 INCH TO 1/2 INCH ABOVE FINISHED GRADE	2 - BASE-MOUNTED FIXTURE	1 - CONSTANT CURRENT, 6.6 AMPERES	<ul style="list-style-type: none"> EQUIPMENT SHALL BE THIRD PARTY CERTIFIED (INTERTEK/ETL) NO ARCTIC OR HEATER OPTION UL 467 RATED GROUND LUG, ACCEPTS #6 AWG GROUND WIRE COMPATIBLE SNOW PLOW RING L-868 CLASS 1A SIZE B STANDARD BASE 30/45W OR 65W L-830 ISOLATION TRANSFORMER (PROVIDE PER MFR RECOMMENDATION) REMOTE PROGRAMMING DEVICE, AS REQUIRED, FOR AUTONOMOUS FIXTURES



NOTE:
THE PROPOSED OFFSET OF THE ELEVATED RUNWAY GUARD LIGHT BASE HAS A LATERAL TOLERANCE OF -5' TO +2' FROM TAXIWAY EDGE. THE LOCATION OF THE ELEVATED RUNWAY GUARD LIGHT BASE MUST BE LOCATED SO AS TO NOT INTERFERE WITH THE READABILITY OF THE RUNWAY HOLDING POSITION SIGNS. THE FINAL LOCATION OF THE ELEVATED RUNWAY GUARD LIGHT BASE SHALL BE APPROVED BY THE RPP BEFORE THE CONTRACTOR COMMENCES ANY WORK.

RUNWAY GUARD LIGHT BASE LAYOUT

NOT TO SCALE
(ITEM L-125-501)



CONSTRUCTION BID SET

REV	DATE	DESCRIPTION	BY
8/11/2023	8/11/2023	8/11/2023	8/11/2023



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BINGHAMTON, NEW YORK 13901

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SYRACUSE REGIONAL AIRPORT AUTHORITY
CITY OF SYRACUSE, STATE OF NEW YORK

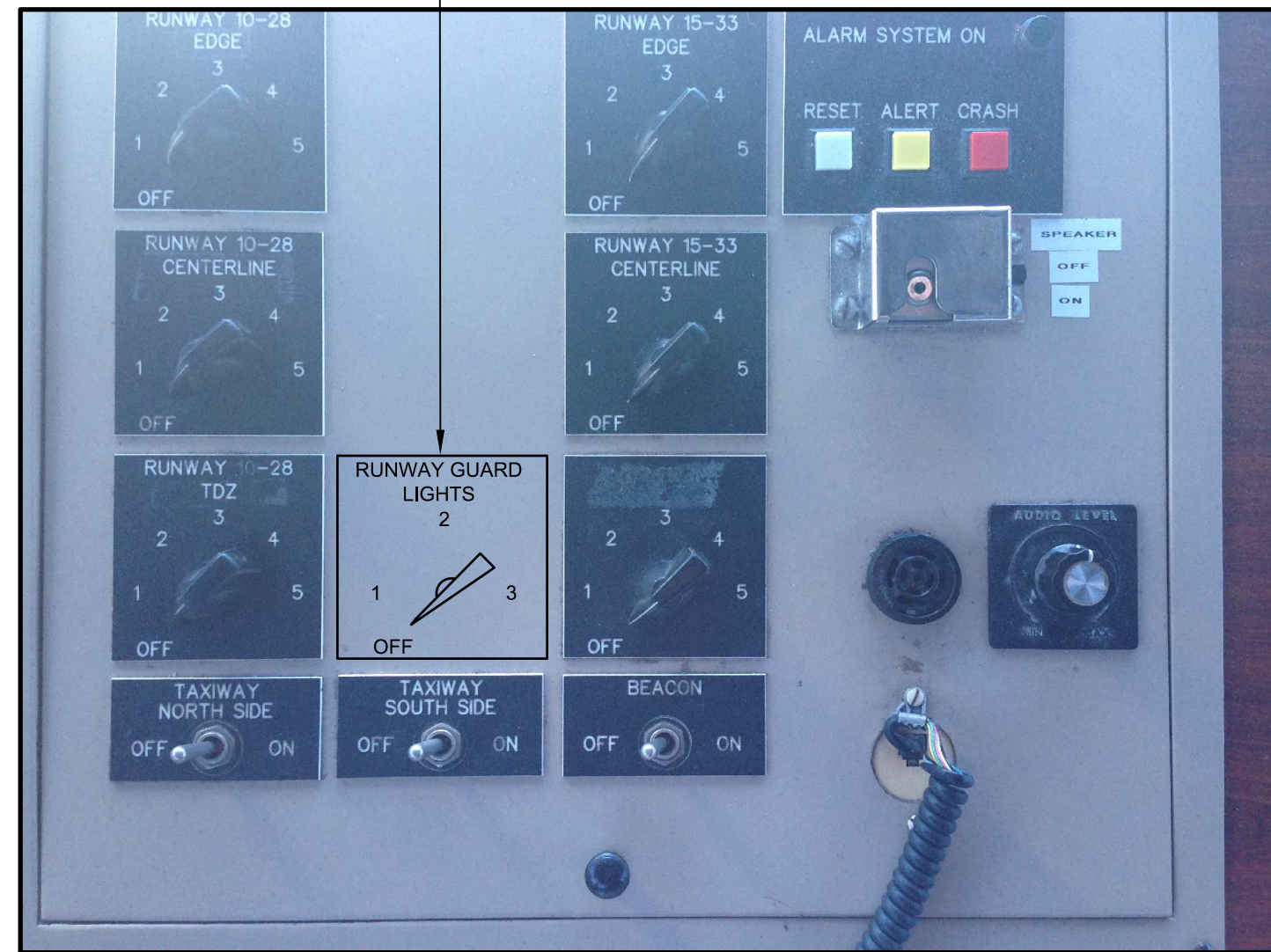
TAXIWAY A REHABILITATION (WEST)

ELECTRICAL DETAILS (SHEET 2 OF 4)

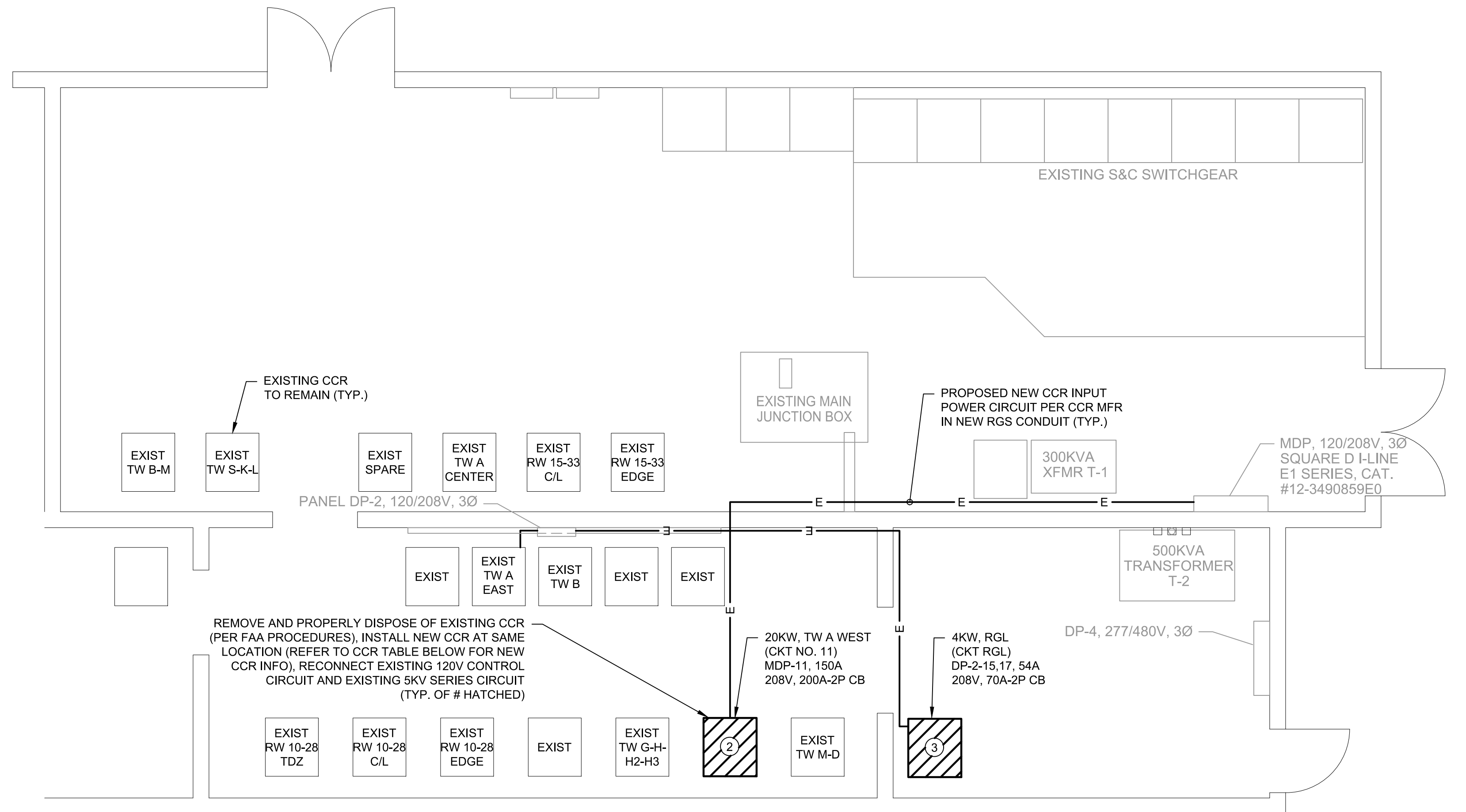
SCALE: NTS	DESIGN: JPM
DRAWN: SDB	PROJECT: 18831.06
CHECKED: WEV	DATE: AUGUST 2023

ED-02A
54 OF 71

PROVIDE MODIFICATIONS TO EXISTING L-821 AIRPORT LIGHTING CONTROL PANEL (UNIVERSE INC., UN0701-002C) AND ADD RUNWAY GUARD LIGHT ROTARY SELECTOR SWITCH AND PLATE. PROVIDE ALL WIRING BETWEEN TOWER, VAULT AND RGL CCR, AND MISC. EQUIPMENT AND COMPONENTS REQUIRED FOR A FULLY FUNCTIONAL INSTALLATION.



EXISTING L-821 AIRPORT LIGHTING CONTROL PANEL
N.T.S. AND DIAGRAMMATIC
(ITEM #L-109-52)



PARTIAL EXISTING TRANSFORMER VAULT BUILDING
FLOOR PLAN: 1/4" = 1'-0"
CCR LOCATIONS / DIMENSIONS ARE N.T.S. AND DIAGRAMMATIC

BASIS FOR DESIGN L-828 / L-829 CONSTANT CURRENT REGULATORS (ITEM L-109-215)
(L-828 / L-829 EQUIPMENT SHALL MEET OR EXCEED THE REQUIREMENTS OF FAA AC 150/5345-10, CURRENT EDITION)

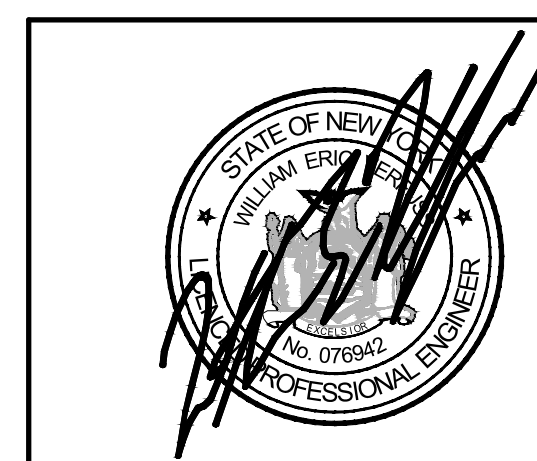
REF. #	EXISTING CIRCUIT DESCRIPTION	NEW NAMEPLATE ID	PANEL - CIRCUIT # / VOLTAGE	TYPE	STYLE	CLASS	SIZE	ITEM NO.	NOTES
②	TAXIWAY A WEST ("CIRCUIT 11")	TAXIWAY A WEST ("CIRCUIT 11")	MDP-11 / 208V	L-829	1 - THREE BRIGHTNESS STEPS	1 - 6.6 AMPERES OUTPUT	20 KW	L-109-220 (BASE BID)	- L-829 EQUIPMENT SHALL BE THIRD PARTY CERTIFIED (INTERTEK/ETL). - MAINTAIN AND RECONNECT EXISTING CONTROLS (120V). - PROVIDE DIGITAL DISPLAY (LINE VOLTAGE / CURRENT, LOAD VOLTAGE) & INSULATION RESISTANCE MONITORING AT UNIT.
③	N/A	RUNWAY GUARD LIGHTS (ALL) ("CIRCUIT RGL")	DP-2-15,17 / 208V	L-829	1 - THREE BRIGHTNESS STEPS	1 - 6.6 AMPERES OUTPUT	4 KW	L-109-204 (BASE BID)	- L-829 EQUIPMENT SHALL BE THIRD PARTY CERTIFIED (INTERTEK/ETL). - REUSE EXISTING CONTROL WIRE FROM ATCT TO VAULT RELAY PANEL, EXTEND NEW CONTROLS (120V) TO NEW CCR FOR 3 BRIGHTNESS STEPS. - PROVIDE DIGITAL DISPLAY (LINE VOLTAGE / CURRENT, LOAD VOLTAGE) & INSULATION RESISTANCE MONITORING AT UNIT.

NOTES:

- NEW CCR SHALL BE DRY, AIR-COOLED, FERRORESONANT TYPE, AND COMPATIBLE WITH EXISTING AIRFIELD LIGHTING CONTROL SYSTEM. OBTAIN VALID CERTIFICATE OF CONFORMANCE TO FAA AIRPORT LIGHTING EQUIPMENT CERTIFICATION PROGRAM FROM MFR, AND INCLUDE WITH EQUIPMENT SUBMITTAL FOR ENGINEER'S REVIEW.
- REFERENCE CCR NAMEPLATE FOR LINE CURRENT. FEEDER CIRCUIT BREAKER (CB) SHALL BE SIZED TO CARRY 125% OF LINE CURRENT OR AS PER MFR (USE THE STRICTER OF 125% OR PER MFR). FEEDER CIRCUIT BREAKERS SHALL BE NEW (REPLACE EXISTING CIRCUIT BREAKER WITH COMPATIBLE CB FROM PANEL MFR.). VERIFY CB SIZE WITH MFR NAMEPLATE MIN. RECOMMENDED CB.
- PROVIDE GROUNDING PER MFR. BOND TO EXISTING VAULT GROUND LOOP. CONNECT THE GROUND CONDUCTOR TO THE EQUIPMENT GROUND TERMINAL. NOTE: DO NOT CONNECT COUNTERPOISE TO THIS TERMINAL.
- VERIFY LINE VOLTAGE(S) IN THE FIELD FOR FEEDER CIRCUITS FED FROM EXISTING PANELS. USE ONLY A TRUE RMS METER TO ACCURATELY MEASURE THE LINE VOLTAGE.
- CONNECT EXISTING 120V CONTROL LINES TO NEW CCR. PROVIDE NEW CONTROL LINES FOR RGL CCR.
- OPERATE CCR IN LOCAL MODE AND REMOTE MODE AT ALL BRIGHTNESS STEPS. CHECK FOR CORRECT CURRENT LEVEL AT EACH STEP. PREPARE A REPORT OF THE OPERATIONS AND INCLUDE IN FINAL CCR O&M MANUAL.

CONSTRUCTION BID SET

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REV	DATE	DESCRIPTION	BY
	8/11/2023	REVISED DETAIL SHEET NUMBERS - ADDENDUM 3	SGJ

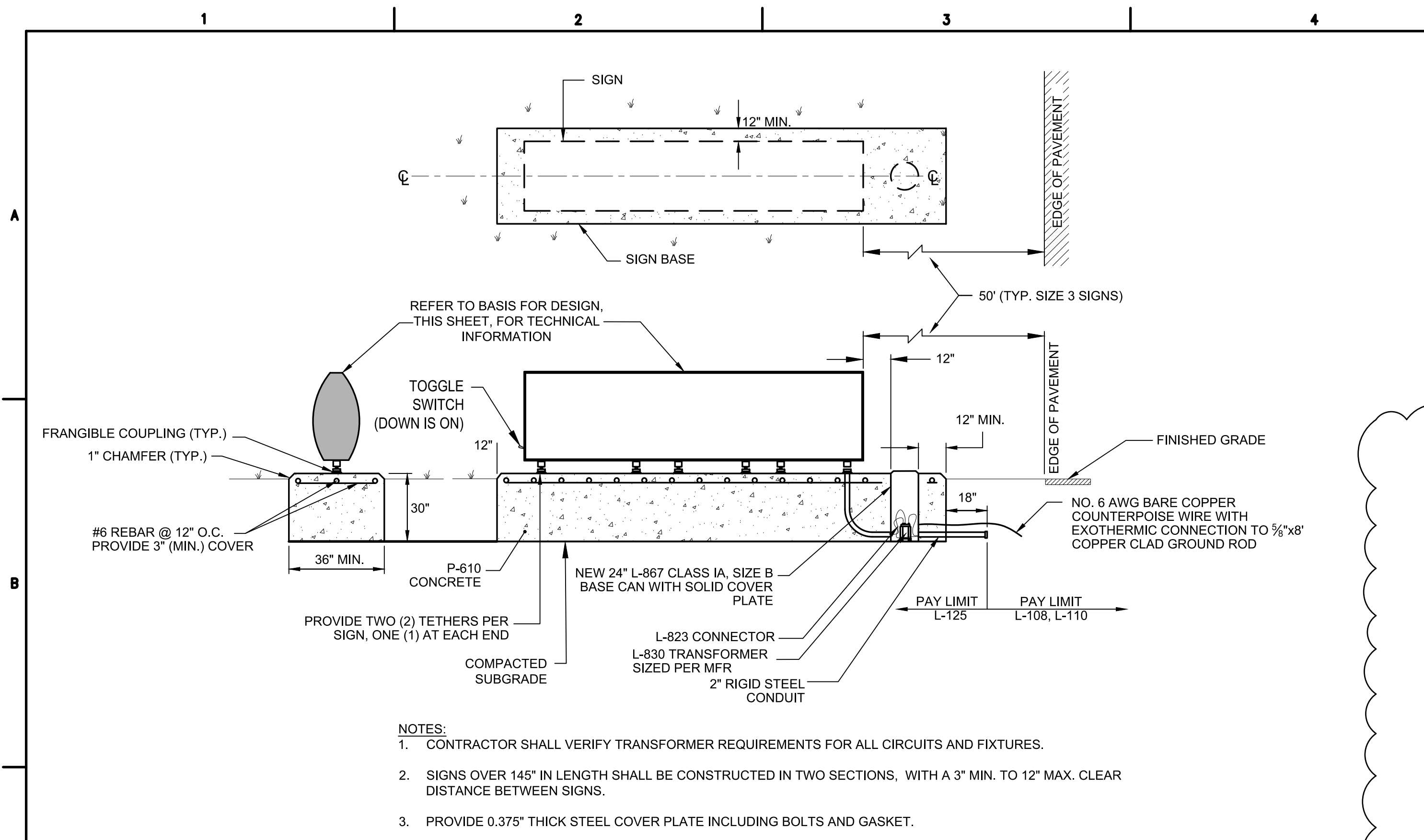
SYRACUSE REGIONAL AIRPORT AUTHORITY
CITY OF SYRACUSE, STATE OF NEW YORK

TAXIWAY A REHABILITATION (WEST)

ELECTRICAL DETAILS (SHEET 3 OF 4)

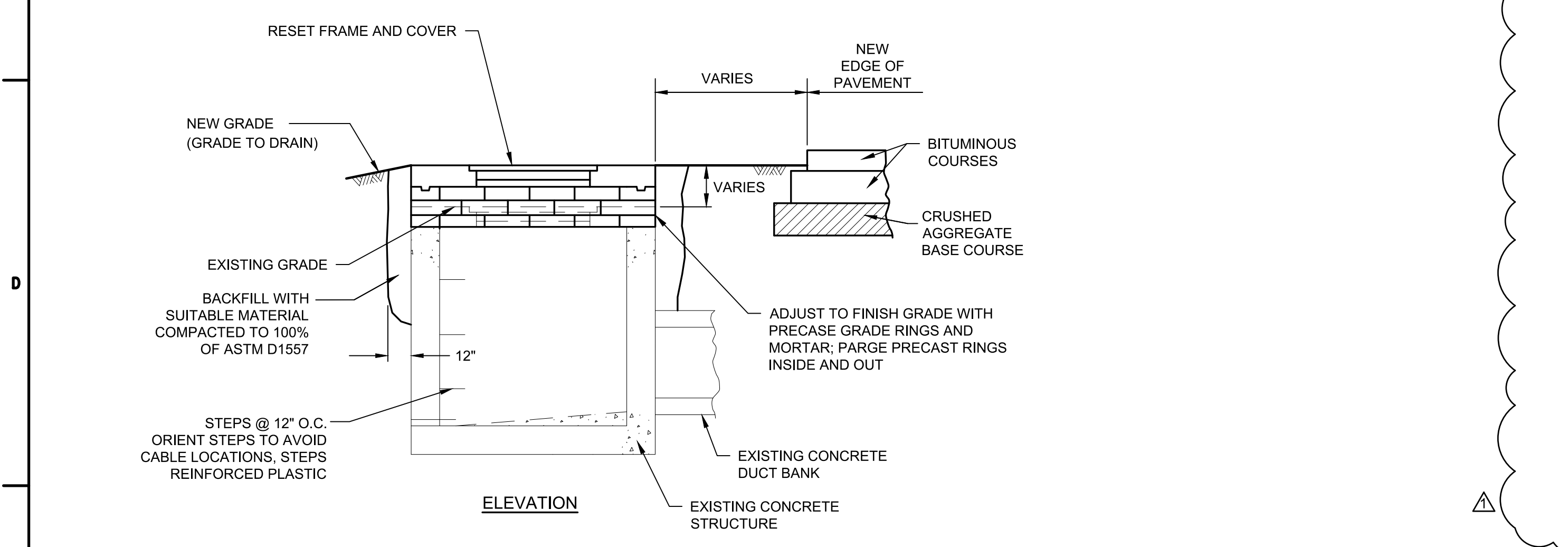
SCALE: NTS	DESIGN: JPM
DRAWN: SDB	PROJECT: 18831.06
CHECKED: WEV	DATE: AUGUST 2023

ED-03A
55 OF 71



- NOTES:**
- CONTRACTOR SHALL VERIFY TRANSFORMER REQUIREMENTS FOR ALL CIRCUITS AND FIXTURES.
 - SIGNS OVER 145" IN LENGTH SHALL BE CONSTRUCTED IN TWO SECTIONS, WITH A 3" MIN. TO 12" MAX. CLEAR DISTANCE BETWEEN SIGNS.
 - PROVIDE 0.375" THICK STEEL COVER PLATE INCLUDING BOLTS AND GASKET.

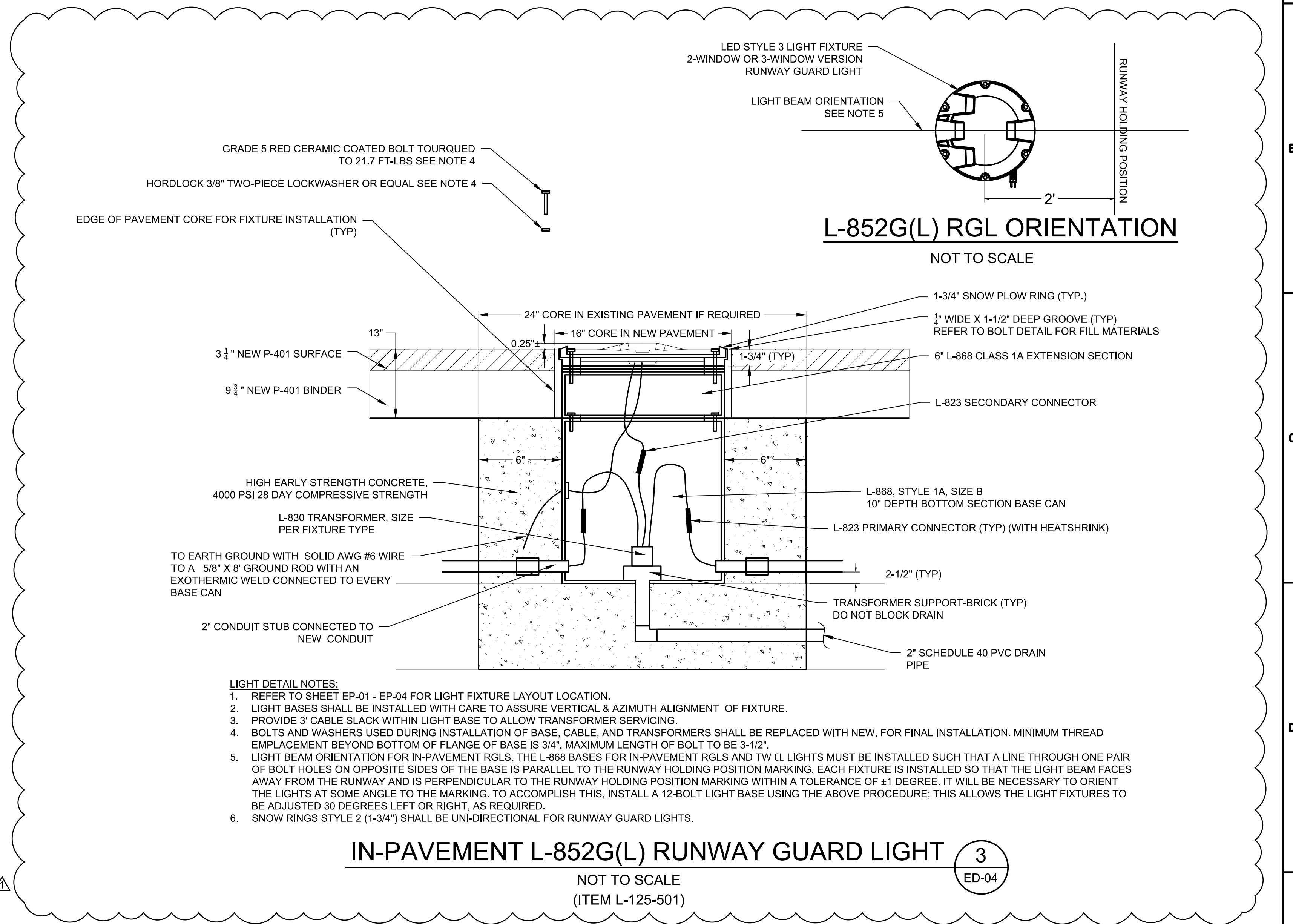
NEW TAXIWAY GUIDANCE SIGN ON NEW FOUNDATION
 NOT TO SCALE
 (ITEM L-125-7103) 1
ED-04



- NOTES:**
- PROVIDE PERMANENT LABELING OF ALL CABLES WITHIN MANHOLE.
 - ALL WORK SHOWN ON DETAIL TO BE PAID UNDER ITEM L-115-31, INCLUDING PROTECTION AND SPLICING OF EXISTING CIRCUITS.
 - LOW VOLTAGE (600 V) AND HIGH VOLTAGE (5000 V) CONDUCTORS MUST BE INSTALLED IN SEPARATE WIREWAYS AND SEPARATED WITHIN MANHOLES.

ADJUST EXISTING ELECTRICAL MANHOLE
 NOT TO SCALE
 (ITEM L-115-31) 2
ED-04

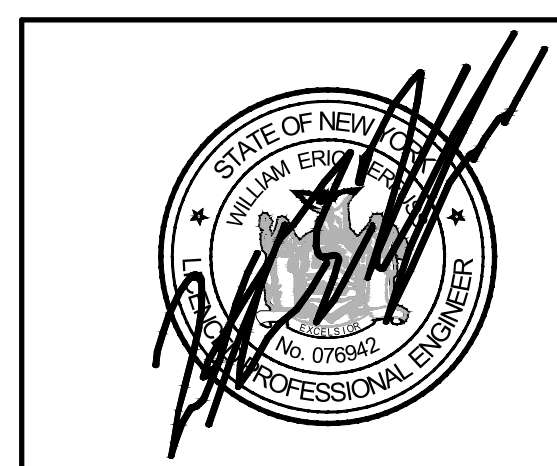
BASIS FOR DESIGN L-858 AIRFIELD GUIDANCE SIGNS (L-858 EQUIPMENT SHALL MEET OR EXCEED THE REQUIREMENTS OF FAA AC 150/5345-44, CURRENT EDITION)						
AIRFIELD GUIDANCE SIGN	TYPE	SIZE	STYLE	CLASS	MODE	NOTES
L-858 (L - LED) (TAXIWAY CIRCUITS)	PER PLANS	3 - 30" LEGEND PANEL WITH AN 18" LEGEND	2 - POWERED FROM 3-STEP 6.6A CIRCUIT	2 - -40F (-40C) TO 131F (55C)	2 - WITHSTAND WIND LOADS OF 200 MPH	- L-858 EQUIPMENT SHALL BE THIRD PARTY CERTIFIED (INTERTEK/ETL). - FURNISH WITH TWO (2) TETHERS AND LOCAL ON/OFF SWITCH FOR MAINTENANCE (ORIENTED WITH "OFF" UP)



- LIGHT DETAIL NOTES:**
- REFER TO SHEET EP-01 - EP-04 FOR LIGHT FIXTURE LAYOUT LOCATION.
 - LIGHT BASES SHALL BE INSTALLED WITH CARE TO ASSURE VERTICAL & AZIMUTH ALIGNMENT OF FIXTURE.
 - PROVIDE 3" CABLE SLACK WITHIN LIGHT BASE TO ALLOW TRANSFORMER SERVICING.
 - BOLTS AND WASHERS USED DURING INSTALLATION OF BASE, CABLE, AND TRANSFORMERS SHALL BE REPLACED WITH NEW, FOR FINAL INSTALLATION. MINIMUM THREAD EMPLACEMENT BEYOND BOTTOM OF FLANGE OF BASE IS 3/4". MAXIMUM LENGTH OF BOLT TO BE 3-1/2".
 - LIGHT BEAM ORIENTATION FOR IN-PAVEMENT RGLS. THE L-868 BASES FOR IN-PAVEMENT RGLS AND TW CL LIGHTS MUST BE INSTALLED SUCH THAT A LINE THROUGH ONE PAIR OF BOLT HOLES ON OPPOSITE SIDES OF THE BASE IS PARALLEL TO THE RUNWAY HOLDING POSITION MARKING. EACH FIXTURE IS INSTALLED SO THAT THE LIGHT BEAM FACES AWAY FROM THE RUNWAY AND IS PERPENDICULAR TO THE RUNWAY HOLDING POSITION MARKING. TO ACCOMPLISH THIS, INSTALL A 12-BOLT LIGHT BASE USING THE ABOVE PROCEDURE; THIS ALLOWS THE LIGHT FIXTURES TO BE ADJUSTED 30 DEGREES LEFT OR RIGHT, AS REQUIRED.
 - SNOW RINGS STYLE 2 (1-3/4") SHALL BE UNI-DIRECTIONAL FOR RUNWAY GUARD LIGHTS.

IN-PAVEMENT L-852G(L) RUNWAY GUARD LIGHT
 NOT TO SCALE
 (ITEM L-125-501) 3
ED-04

CONSTRUCTION BID SET



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 49 COURT STREET, SUITE 240
 BINGHAMTON, NEW YORK 13901

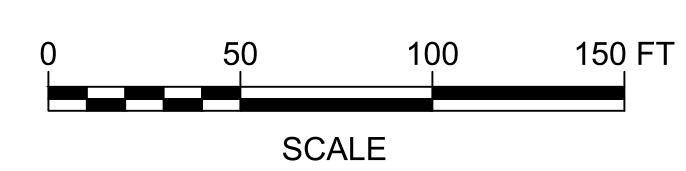
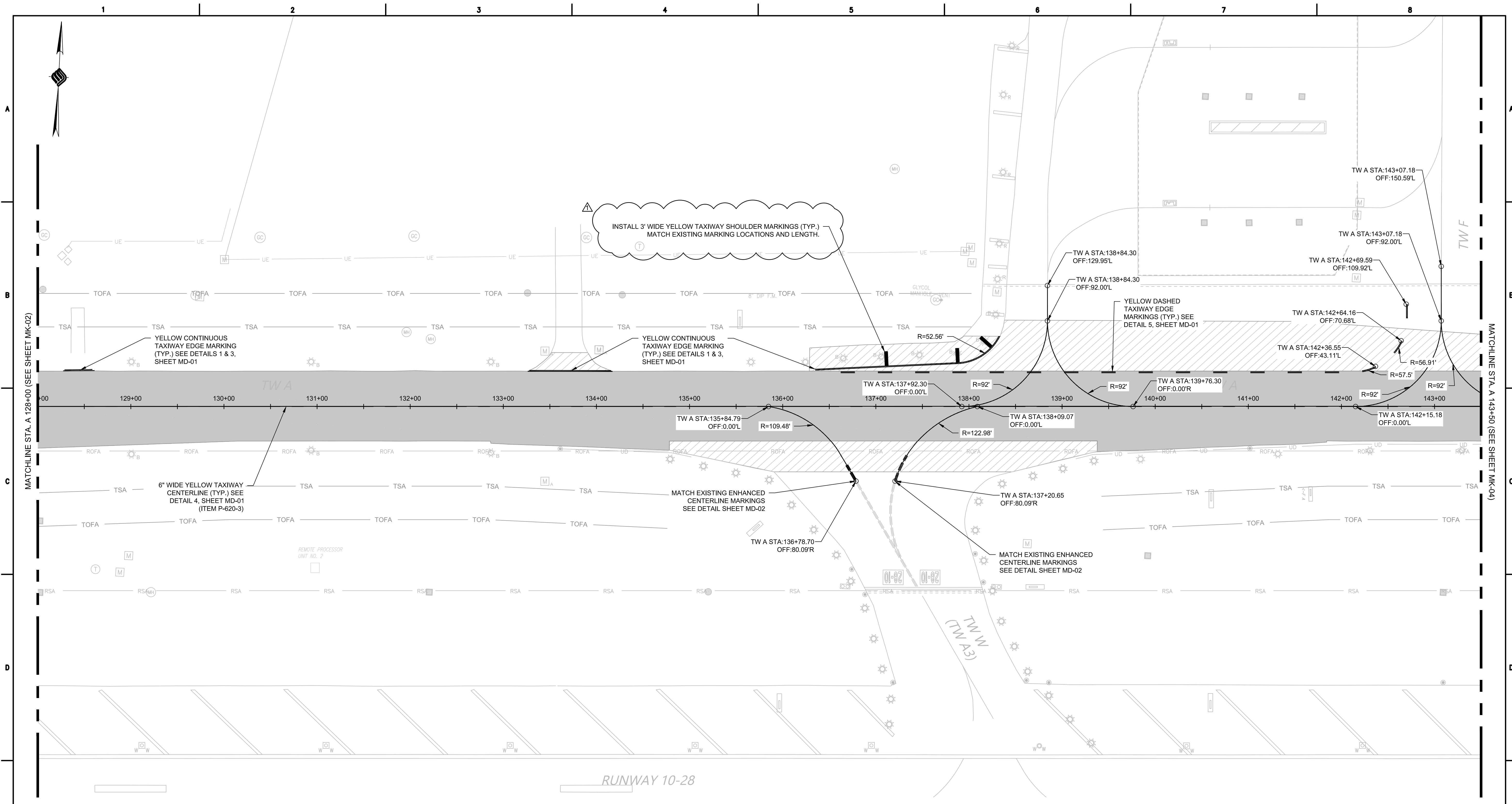
REV	DATE	DESCRIPTION	BY
	8/11/2023	ADDED DETAIL SHEET NUMBERS - ADDENDUM 3	SGJ
	8/11/2023	ADDED RGL DETAIL - ADDENDUM 3	SGJ

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECT DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN 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 A SPECIFIC DESCRIPTION OF THE ALTERATION.

SYRACUSE REGIONAL AIRPORT AUTHORITY
CITY OF SYRACUSE, STATE OF NEW YORK
TAXIWAY A REHABILITATION (WEST)
ELECTRICAL DETAILS (SHEET 4 OF 4)

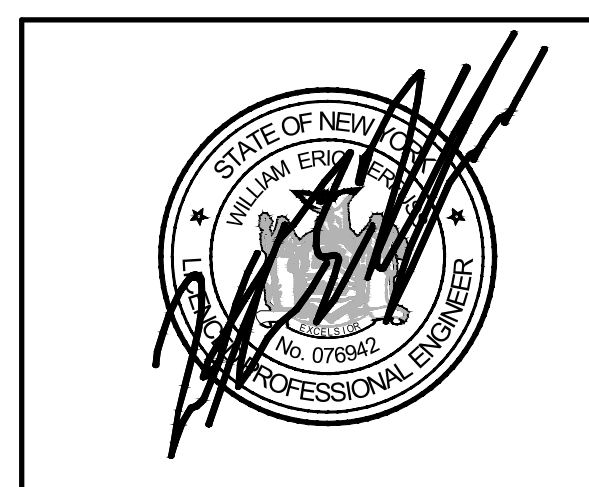
SCALE: NTS	DESIGN: JPM	ED-04A
DRAWN: SDB	PROJECT: 18831.06	
CHECKED: WEV	DATE: AUGUST 2023	

56 OF 71



CONSTRUCTION BID SET

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECT DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN 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 A SPECIFIC DESCRIPTION OF THE ALTERATION.



McFarland Johnson
49 COURT STREET, SUITE 240
BINGHAMTON, NEW YORK 13901

REV	DATE	DESCRIPTION	BY
	8/11/2023	ADDED SHOULDER MARKING CALLOUT - ADDENDUM 3	SGJ

SYRACUSE REGIONAL AIRPORT AUTHORITY
CITY OF SYRACUSE, STATE OF NEW YORK

TAXIWAY A REHABILITATION (WEST)

MARKING PLAN (SHEET 3 OF 4)

SCALE: AS SHOWN	DESIGN: JPM	MK-03A
DRAWN: SDB	PROJECT: 18831.06	
CHECKED: WEV	DATE: AUGUST 2023	

64 OF 71

BASE BID

Item No.	Unit Quantity and Description and Unit Bid Prices		Price in Figures	
			Unit Price	Total Amount
C-100-1	1	CONTRACTOR'S QUALITY CONTROL PROGRAM (CQCP) LS	\$ _____	\$ _____
		_____ LS		
C-102-3	30,000	SEED AND MULCH - TEMPORARY SY	\$ _____	\$ _____
		_____ SY		
C-102-17	2,900	SILT FENCE-TEMPORARY LF	\$ _____	\$ _____
		_____ LF		
C-102-25	290	DRAINAGE STRUCTURE INLET PROTECTION, SILT FENCE-TEMPORARY LF	\$ _____	\$ _____
		_____ LF		

BASE BID

Item No.	Unit Quantity and Description and Unit Bid Prices		Price in Figures	
			Unit Price	Total Amount
C-102-44	200	CONSTRUCTION ENTRANCE/EXIT-TEMPORARY SY SY	\$ _____ . _____	\$ _____ . _____
C-105-1	1	MOBILIZATION (3% MAX) LS LS	\$ _____ . _____	\$ _____ . _____
C-105-2	1	ENGINEER'S FIELD OFFICE LS LS	\$ _____ . _____	\$ _____ . _____
M-120-1	1	MAINTENANCE AND PROTECTION OF TRAFFIC LS LS	\$ _____ . _____	\$ _____ . _____

BASE BID

Item No.	Unit Quantity and Description and Unit Bid Prices		Price in Figures	
			Unit Price	Total Amount
M-120-2	872	LOW-PROFILE CONSTRUCTION BARRICADES EA	\$ _____	\$ _____
		_____ EA		
M-120-3	2	LIGHTED RUNWAY CLOSURE MARKERS EA	\$ _____	\$ _____
		_____ EA		
M-150-1	1	PROJECT SURVEY AND STAKEOUT LS	\$ _____	\$ _____
		_____ LS		
P-100-1	8,800	GEOTEXTILE STABILIZATION FABRIC SY	\$ _____	\$ _____
		_____ SY		

BASE BID

Item No.	Unit Quantity and Description and Unit Bid Prices		Price in Figures	
			Unit Price	Total Amount
P-101-2	52,900	COLD MILLING	\$ _____	\$ _____
		SY		
		_____ SY		
P-101-3	1,100	MISCELLANEOUS COLD MILLING	\$ _____	\$ _____
		SY		
		_____ SY		
P-101-4	26,000	JOINT AND CRACK REPAIR, TYPE I	\$ _____	\$ _____
		LF		
		_____ LF		
P-101-5	6,500	JOINT AND CRACK REPAIR, TYPE II	\$ _____	\$ _____
		LF		
		_____ LF		

BASE BID

Item No.	Unit Quantity and Description and Unit Bid Prices		Price in Figures	
			Unit Price	Total Amount
P-101-6	1,900	PAINT AND RUBBER REMOVAL	\$ _____	\$ _____
		SF		
		_____ SF		
P-152-1	9,600	UNCLASSIFIED EXCAVATION AND DISPOSAL	\$ _____	\$ _____
		CY		
		_____ CY		
P-152-4	2,000	UNDERCUT EXCAVATION AND BACKFILL	\$ _____	\$ _____
		CY		
		_____ CY		
P-153-1	11	CONTROLLED LOW-STRENGTH MATERIAL	\$ _____	\$ _____
		CY		
		_____ CY		

BASE BID

Item No.	Unit Quantity and Description and Unit Bid Prices		Price in Figures	
			Unit Price	Total Amount
P-605-1	2,100	JOINT SEALING FILLER	\$ _____	\$ _____
		LF		
		LF		
P-620-1	1,100	BLACK PAVEMENT MARKINGS	\$ _____	\$ _____
		SF		
		SF		
P-620-3	7,000	YELLOW PAVEMENT MARKINGS	\$ _____	\$ _____
		SF		
		SF		
P-620-6	7,000	TEMPORARY YELLOW PAVEMENT MARKINGS	\$ _____	\$ _____
		SF		
		SF		

BASE BID

Item No.	Unit Quantity and Description and Unit Bid Prices		Price in Figures	
			Unit Price	Total Amount
P-620-8	1,340	PREFORMED THERMOPLASTIC MARKINGS SF	\$ _____	\$ _____
		_____ SF		
P-621-1	15,900	GROOVING SY	\$ _____	\$ _____
		_____ SY		
D-700-1	1,720	DRY SWALE LF	\$ _____	\$ _____
		_____ LF		
D-701-0212	54	REINFORCED CONCRETE PIPE CLASS IV, 12-INCH DIAMETER LF	\$ _____	\$ _____
		_____ LF		

BASE BID

Item No.	Unit Quantity and Description and Unit Bid Prices		Price in Figures	
			Unit Price	Total Amount
D-703-1	1	CONCRETE PLUGS FOR DRAINAGE PIPE EA	\$ _____	\$ _____
		_____ EA		
D-705-2	10,000	6" PERFORATED UNDERDRAIN COMPLETE, INCLUDING POROUS BACKFILL AND FILTER FABRIC LF	\$ _____	\$ _____
		_____ LF		
D-705-4	44	UNDERDRAIN CLEANOUT EA	\$ _____	\$ _____
		_____ EA		
D-751-012	1	RECTANGULAR DRAINAGE STRUCTURE, 4' X 4' EA	\$ _____	\$ _____
		_____ EA		

BASE BID

Item No.	Unit Quantity and Description and Unit Bid Prices		Price in Figures	
			Unit Price	Total Amount
D-751-4	5	ALTER EXISTING DRAINAGE STRUCTURE EA EA	\$ _____	\$ _____
D-751-51	4	ADJUST EXISTING DRAINAGE STRUCTURE EA EA	\$ _____	\$ _____
D-751-7	1	REMOVE EXISTING DRAINAGE STRUCTURE EA EA	\$ _____	\$ _____
D-751-8	1	REPLACE EXISTING FRAME AND GRATE EA EA	\$ _____	\$ _____

BASE BID

Item No.	Unit Quantity and Description and Unit Bid Prices		Price in Figures	
			Unit Price	Total Amount
D-751-9	8	CLEAN EXISTING DRAINAGE STRUCTURE EA	\$ _____	\$ _____
		_____ EA		
L-108-105	31,000	NO. 8 AWG, 5KV, L-824, TYPE C CABLE, INSTALLED IN TRENCH, DUCT BANK, OR CONDUIT LF	\$ _____	\$ _____
		_____ LF		
L-108-201	19,000	NO. 6 AWG, SOLID BARE COUNTERPOISE WIRE INSTALLED IN TRENCH LF	\$ _____	\$ _____
		_____ LF		
L-109-204	1	INSTALL 4KW CONSTANT CURRENT REGULATOR (CCR) IN ELECTRICAL VAULT EA	\$ _____	\$ _____
		_____ EA		

BASE BID

Item No.	Unit Quantity and Description and Unit Bid Prices		Price in Figures	
			Unit Price	Total Amount
L-109-220	1	INSTALL 20KW CONSTANT CURRENT REGULATOR (CCR) IN ELECTRICAL VAULT EA	\$ _____	\$ _____
		_____ EA		
L-109-52	1	AIRFIELD LIGHTING CONTROL SYSTEM (ALCS) MODIFICATIONS LS	\$ _____	\$ _____
		_____ LS		
L-110-104	21,000	NON-ENCASED ELECTRICAL CONDUIT, 2" SCH. 40 PVC LF	\$ _____	\$ _____
		_____ LF		
L-115-201	4	ELECTRICAL JUNCTION STRUCTURE, L-867 CLASS 1, SOLID COVER (3-WAY) EA	\$ _____	\$ _____
		_____ EA		

BASE BID

Item No.	Unit Quantity and Description and Unit Bid Prices		Price in Figures	
			Unit Price	Total Amount
L-115-31	10	ADJUST EXISTING ELECTRICAL MANHOLE EA	\$ _____	\$ _____
		_____ EA		
L-125-21	114	L-861T (L) MEDIUM INTENSITY BASE-MOUNTED LED TAXIWAY EDGE LIGHT EA	\$ _____	\$ _____
		_____ EA		
L-125-501	10	L-852G(L) IN-PAVEMENT RUNWAY GUARD LIGHT EA	\$ _____	\$ _____
		_____ EA		
L-125-64	109	REMOVE EXISTING BASE-MOUNTED LIGHT EA	\$ _____	\$ _____
		_____ EA		

BASE BID

Item No.	Unit Quantity and Description and Unit Bid Prices		Price in Figures	
			Unit Price	Total Amount
L-125-62	71	RETROFIT EXISTING LIGHT EA EA	\$ _____	\$ _____
L-125-66	9	REMOVE AND RESET EXISTING TAXIWAY EDGE LIGHT EA EA	\$ _____	\$ _____
L-125-68	3	REMOVE AND RESET EXISTING GUARD LIGHT EA EA	\$ _____	\$ _____
L-125-751	5	ADJUST ELEVATION OF EXISTING AIRFIELD GUIDANCE SIGN EA EA	\$ _____	\$ _____

BASE BID

Item No.	Unit Quantity and Description and Unit Bid Prices		Price in Figures	
			Unit Price	Total Amount
L-125-7103	24	TAXIWAY GUIDANCE SIGN, SIZE 3, LED, ON NEW FOUNDATION EA	\$ _____	\$ _____
		_____ EA		
L-125-77	31	REMOVE EXISTING AIRFIELD GUIDANCE SIGN EA	\$ _____	\$ _____
		_____ EA		
T-901-1	12	HYDROSEEDING ACRE	\$ _____	\$ _____
		_____ ACRE		
T-905-1	4,830	TOPSOILING (OBTAINED ON SITE) CY	\$ _____	\$ _____
		_____ CY		

BASE BID

Item No.	Unit Quantity and Description and Unit Bid Prices		Price in Figures	
			Unit Price	Total Amount
T-908-1	12	MULCHING ACRE	\$ _____	\$ _____
		_____ ACRE		
		Total Price in Words	Total Price in Figures	
Base Bid		_____	\$ _____	\$ _____

Item C-102 Temporary Air and Water Pollution, Soil Erosion, and Siltation Control

DESCRIPTION

102-1. This item shall consist of temporary control measures as shown on the plans or as ordered by the Resident Project Representative (RPR) during the life of a contract to control pollution of air and water, soil erosion, and siltation through the use of silt fences, berms, dikes, dams, sediment basins, fiber mats, gravel, mulches, grasses, slope drains, and other erosion control devices or methods.

Temporary erosion control shall be in accordance with the approved erosion control plan; the approved Construction Safety and Phasing Plan (CSPP) and AC 150/5370-2, *Operational Safety on Airports During Construction*. The temporary erosion control measures contained herein shall be coordinated with the permanent erosion control measures specified as part of this contract to the extent practical to assure economical, effective, and continuous erosion control throughout the construction period.

Temporary control may include work outside the construction limits such as borrow pit operations, equipment and material storage sites, waste areas, and temporary plant sites.

Temporary control measures shall be designed, installed, and maintained to minimize the creation of wildlife attractants that have the potential to attract hazardous wildlife on or near public-use airports.

MATERIALS

102-2.1 Grass. Grass that will not compete with the grasses sown later for permanent cover per Item T-901 shall be a quick-growing species (such as ryegrass, Italian ryegrass, or cereal grasses) suitable to the area providing a temporary cover. Selected grass species shall not create a wildlife attractant.

102-2.2 Mulches. Mulches may be hay, straw, fiber mats, netting, bark, wood chips, or other suitable material reasonably clean and free of noxious weeds and deleterious materials per Item T-908. Mulches shall not create a wildlife attractant.

102-2.3 Fertilizer. Fertilizer shall be a standard commercial grade and shall conform to all federal and state regulations and to the standards of the Association of Official Agricultural Chemists.

102-2.4 Slope drains. Slope drains may be constructed of pipe, fiber mats, rubble, concrete, asphalt, or other materials that will adequately control erosion.

102-2.5 Silt fence. Silt fence shall consist of polymeric filaments which are formed into a stable network such that filaments retain their relative positions. Synthetic filter fabric shall contain ultraviolet ray inhibitors and stabilizers to provide a minimum of six months of expected usable construction life. Silt fence shall meet the requirements of ASTM D6461.

102-2.6 Other. All other materials shall meet commercial grade standards and shall be approved by the RPR before being incorporated into the project.

102-2.7 Drainage Structure Inlet Protection-Temporary. The materials shall meet the following requirements:

- a. **Silt Fence.** Geotextile shall meet the requirements of Section 737-01 G. Silt Fence of New York State Department of Transportation (NYSDOT) Standard Specifications and be listed in the NYSDOT Materials and Equipment Approved List (Approved List). Drainage Structure Inlet

Protection assembly shall consist of silt fence geotextile, posts, frame and fasteners and may include mesh support consistent with the Approved List.

- i. **Post/Frame.** Shall be 2 inches by 4 inch nominal dimension wood posts a minimum of 40 inches long.
- ii. **Mesh Support.** For those silt fence geotextiles on the Approved List that require a mesh support, the support shall consist of 14 gauge (minimum) welded wire mesh with a maximum of 6-inch x 6 inch opening or polymeric mesh. All mesh support shall be a minimum of 28 inches in height.
- iii. **Fasteners.** Fasteners shall be heavy duty staples, hog rings, tie wires, or any other fastener compatible with the post material.

CONSTRUCTION REQUIREMENTS

102-3.1 General. In the event of conflict between these requirements and pollution control laws, rules, or regulations of other federal, state, or local agencies, the more restrictive laws, rules, or regulations shall apply.

The RPR shall be responsible for assuring compliance to the extent that construction practices, construction operations, and construction work are involved.

102-3.2 Schedule. Prior to the start of construction, the Contractor shall submit schedules in accordance with the approved Construction Safety and Phasing Plan (CSPP) and the plans for accomplishment of temporary and permanent erosion control work for clearing and grubbing; grading; construction; paving; and structures at watercourses. The Contractor shall also submit a proposed method of erosion and dust control on haul roads and borrow pits and a plan for disposal of waste materials. Work shall not be started until the erosion control schedules and methods of operation for the applicable construction have been accepted by the RPR.

102-3.3 Construction details. The Contractor will be required to incorporate all permanent erosion control features into the project at the earliest practicable time as outlined in the plans and approved CSPP. Except where future construction operations will damage slopes, the Contractor shall perform the permanent seeding and mulching and other specified slope protection work in stages as soon as substantial areas of exposed slopes can be made available. Temporary erosion and pollution control measures will be used to correct conditions that develop during construction that were not foreseen during the design stage; that are needed prior to installation of permanent control features; or that are needed temporarily to control erosion that develops during normal construction practices but are not associated with permanent control features on the project.

Where erosion may be a problem, schedule and perform clearing and grubbing operations so that grading operations and permanent erosion control features can follow immediately if project conditions permit. Temporary erosion control measures are required if permanent measures cannot immediately follow grading operations. The RPR shall limit the area of clearing and grubbing, excavation, borrow, and embankment operations in progress, commensurate with the Contractor's capability and progress in keeping the finish grading, mulching, seeding, and other such permanent control measures current with the accepted schedule. If seasonal limitations make such coordination unrealistic, temporary erosion control measures shall be taken immediately to the extent feasible and justified as directed by the RPR.

The Contractor shall provide immediate permanent or temporary pollution control measures to minimize contamination of adjacent streams or other watercourses, lakes, ponds, or other areas of water impoundment as directed by the RPR. If temporary erosion and pollution control measures are required due to the

Contractor's negligence, carelessness, or failure to install permanent controls as a part of the work as scheduled or directed by the RPR, the work shall be performed by the Contractor and the cost shall be incidental to this item.

The RPR may increase or decrease the area of erodible earth material that can be exposed at any time based on an analysis of project conditions.

The erosion control features installed by the Contractor shall be maintained by the Contractor during the construction period.

Provide temporary structures whenever construction equipment must cross watercourses at frequent intervals. Pollutants such as fuels, lubricants, bitumen, raw sewage, wash water from concrete mixing operations, and other harmful materials shall not be discharged into any waterways, impoundments or into natural or manmade channels.

102-3.4 Installation, maintenance, and removal of silt fence. Silt fences shall extend a minimum of 16 inches (41 cm) and a maximum of 34 inches (86 cm) above the ground surface. Posts shall be set no more than 10 feet (3 m) on center. Filter fabric shall be cut from a continuous roll to the length required minimizing joints where possible. When joints are necessary, the fabric shall be spliced at a support post with a minimum 12-inch (300-mm) overlap and securely sealed. A trench shall be excavated approximately 4 inches (100 mm) deep by 4 inches (100 mm) wide on the upslope side of the silt fence. The trench shall be backfilled, and the soil compacted over the silt fence fabric. The Contractor shall remove and dispose of silt that accumulates during construction and prior to establishment of permanent erosion control. The fence shall be maintained in good working condition until permanent erosion control is established. Silt fence shall be removed upon approval of the RPR.

102-3.5 Drainage Structure Inlet Protection-Temporary. Drainage structure inlet protection shall be placed where shown in the contract documents and constructed in accordance with the details on the contract plans.

METHOD OF MEASUREMENT

102-4.1 Temporary erosion and pollution control work required will be performed as scheduled or directed by the RPR. Completed and accepted work will be measured as follows:

- a. **Drainage Structure Inlet Protection-Temporary.** This work will be measured as the number of linear feet to the nearest whole linear foot of drainage structure inlet protection installed. No additional measurements will be made for seams or overlaps.
- b. **Construction Entrance/Exit-Temporary.** This work will be measured as the number of square yards to the nearest whole square yard of construction entrance/exit installed.
- c. **Seed and Mulch-Temporary.** This work will be measured as the number of square yards to the nearest whole square yard of temporary seeding and mulching installed.

102-4.2 Control work performed for protection of construction areas outside the construction limits, such as borrow and waste areas, haul roads, equipment and material storage sites, and temporary plant sites, will not be measured and paid for directly but shall be considered as a subsidiary obligation of the Contractor.

BASIS OF PAYMENT

102-5.1 General. The unit price bid for all work items shall include the cost of all labor, equipment, and materials necessary to satisfactorily complete the work, including the cost of removal of accumulated sediment.

Progress payments will be made for all sediment control measures as follows: Seventy-Five (75) percent the price bid will be paid after installation of Drainage Structure Inlet Protection-Temporary. The remaining percentage will be paid when the temporary practice is removed, and the remaining area is permanently stabilized.

102-5.2 Drainage Structure Inlet Protection-Temporary. The unit price bid for drainage structure inlet protection-temporary shall include the cost of all labor, materials, and equipment necessary to satisfactorily complete the work.

102-5.3 Accepted quantities of temporary water pollution, soil erosion, and siltation control work ordered by the RPR and measured as provided in paragraph 102-4.1 will be paid for under:

<u>Item</u>	<u>Description</u>	<u>Unit</u>
C-102-3	Seed and Mulch-Temporary	Square Yard
C-102-17	Silt Fence-Temporary	Linear Foot
C-102-25	Drainage Structure Inlet Protection, Silt Fence-Temporary	Linear Foot
C-102-44	Construction Entrance/Exit-Temporary	Linear Foot

Where other directed work falls within the specifications for a work item that has a contract price, the units of work shall be measured and paid for at the contract unit price bid for the various items.

Temporary control features not covered by contract items that are ordered by the RPR will be paid for in accordance with Section 90, paragraph 90-05 *Payment for Extra Work*.

REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

Advisory Circulars (AC)

AC 150/5200-33 *Hazardous Wildlife Attractants on or Near Airports*

AC 150/5370-2 *Operational Safety on Airports During Construction*

ASTM International (ASTM)

ASTM D6461 *Standard Specification for Silt Fence Materials*

United States Department of Agriculture (USDA)

FAA/USDA Wildlife Hazard Management at Airports, A Manual for Airport Personnel

END OF ITEM C-102



Appendix C

Disadvantaged Business Enterprise (DBE) Program

Syracuse Regional Airport Authority, owner of Syracuse Hancock International Airport, is required to comply with 49 CFR Part 26, Disadvantaged Business Enterprise (DBE) Program on federally-assisted projects. Please note, the following forms are required as part of this project.

Please use this checklist to ensure all forms are completed and submitted as required.

Project: _____

Form A – Bidder’s List Collection Form

*All bidders are required to complete and submit the Bidder’s List Collection Form **with the Bid Proposal**. SRAA will consider incomplete information to be an irregular proposal.*

Form A-1 – It is the responsibility of bidders to complete Form A-1 with the bidder’s information.

Form A-2 – It is the responsibility of bidders to complete Form A-2 with information regarding all subcontractor’s that bid or quoted on the project.

Form B – Good Faith Efforts

**Form B is required within 5 days of the bid opening as a matter of responsibility. Award of the contract will be conditioned on meeting this requirement.*

Form B1 - Contractor’s DBE Plan – must be signed by bidder.

Form B2 - DBE Letter of Intent - *one form must be completed for each DBE firm and must be signed by each DBE firm.*

Form B3 – Good Faith Effort Requirements – required if the DBE goal is not met.

**Provide a copy of Form B and any supporting documents to the Airport’s DBE Liaison Officer. (huntt@syraairport.org)*



Form C – Monthly DBE Report

Form C - The Monthly DBE Report is required on a monthly basis throughout the course of the project once an award has been made. An application for payment will be delayed if the monthly DBE report is not submitted.

Provide a copy of the completed Form C to the Airport's DBE Liaison Officer and the Airport's Fiscal Officer. (huntt@syraairport.org and watkinsr@syraairport.org)

Form D – Subcontractor's Prompt Payment Certification

Form D - The Subcontractor's Prompt Payment Certification is required at least 7 days prior to an application for payment. Any subcontractor failing to submit a copy of Form D will be cause for the delay of an application for payment.

Provide a copy of the completed Form D to the Airport's Fiscal Officer. (watkinsr@syraairport.org)

Form E – DBE Participation Summary

Form E - The DBE Participation Summary is required upon completion of the project. A separate form is required for each DBE firm utilized on the project and must be signed by the DBE firm. Final payment to the prime contractor will be delayed if this form is not completed.

Provide a copy of Form E to the Airport's DBE Liaison Officer and the Airport's Fiscal Officer. (huntt@syraairport.org and watkinsr@syraairport.org)



**BIDDER'S LIST COLLECTION FORM
(Bidder's Information)**

The sponsor is required by CFR Title 49, Subtitle A, Part 26, Subpart A, Section 26.11 to collect the following information from the bidder. As such, it is the responsibility of the bidder to complete the following information as a condition of submitting a proposal for this project. The sponsor will consider incomplete information to be an irregular proposal.

Airport Name: _____ AIP No. _____

Project Name: _____

Bidder's Information

Firm Name	Firm Street Address, City, State, Zip Code, Phone No.	DBE/Non DBE Status	Age of Firm	Annual Gross Receipts
	_____	<input type="checkbox"/> DBE <input type="checkbox"/> Non-DBE	<input type="checkbox"/> Less than 1 year	<input type="checkbox"/> Less than \$500K
	_____		<input type="checkbox"/> 1-3 years	<input type="checkbox"/> \$500K - \$1M
	_____		<input type="checkbox"/> 4-7 years	<input type="checkbox"/> \$1-\$2M
	_____		<input type="checkbox"/> 8-10 years	<input type="checkbox"/> \$2-\$5M
	_____		<input type="checkbox"/> More than 10 yrs.	<input type="checkbox"/> More than \$5M

(This form must be completed and submitted with the Proposal.)



**BIDDER'S LIST COLLECTION FORM
(Subcontractor's Information)**

The sponsor is required by CFR Title 49, Subtitle A, Part 26, Subpart A, Section 26.11 to collect the following information from each subcontractor submitting a quote, bid or proposal to the bidder. As such, it is the responsibility of the bidder to complete the following information as a condition of submitting a proposal for this project. The sponsor will consider incomplete information to be an irregular proposal.

Please note that the information requested below must be filled out for each quote received by the bidder, regardless of DBE status. For example, if the bidder requests quotes from three contractors for electrical work, the information requested below must filled out for the three subcontractors. It is important to note that providing the information does not commit the bidder to using any one of the three subcontractors in the work.

Airport Name: _____ AIP No. _____

Project Name: _____

Subcontractor's Information

Firm Name	Firm Street Address, City, State, Zip Code, Phone No.	DBE/Non DBE Status	Age of Firm	Annual Gross Receipts
	_____ _____ _____ _____	<input type="checkbox"/> DBE <input type="checkbox"/> Non-DBE	<input type="checkbox"/> Less than 1 year <input type="checkbox"/> 1-3 years <input type="checkbox"/> 4-7 years <input type="checkbox"/> 8-10 years <input type="checkbox"/> More than 10 yrs.	<input type="checkbox"/> Less than \$500K <input type="checkbox"/> \$500K - \$1M <input type="checkbox"/> \$1-\$2M <input type="checkbox"/> \$2-\$5M <input type="checkbox"/> More than \$5M
	_____ _____ _____ _____	<input type="checkbox"/> DBE <input type="checkbox"/> Non-DBE	<input type="checkbox"/> Less than 1 year <input type="checkbox"/> 1-3 years <input type="checkbox"/> 4-7 years <input type="checkbox"/> 8-10 years <input type="checkbox"/> More than 10 yrs.	<input type="checkbox"/> Less than \$500K <input type="checkbox"/> \$500K - \$1M <input type="checkbox"/> \$1-\$2M <input type="checkbox"/> \$2-\$5M <input type="checkbox"/> More than \$5M
	_____ _____ _____ _____	<input type="checkbox"/> DBE <input type="checkbox"/> Non-DBE	<input type="checkbox"/> Less than 1 year <input type="checkbox"/> 1-3 years <input type="checkbox"/> 4-7 years <input type="checkbox"/> 8-10 years <input type="checkbox"/> More than 10 yrs.	<input type="checkbox"/> Less than \$500K <input type="checkbox"/> \$500K - \$1M <input type="checkbox"/> \$1-\$2M <input type="checkbox"/> \$2-\$5M <input type="checkbox"/> More than \$5M



Firm Name	Firm Street Address, City, State, Zip Code, Phone No.	DBE/Non DBE Status	Age of Firm	Annual Gross Receipts
	<hr/> <hr/> <hr/> <hr/> <hr/>	<input type="checkbox"/> DBE <input type="checkbox"/> Non-DBE	<input type="checkbox"/> Less than 1 year <input type="checkbox"/> 1-3 years <input type="checkbox"/> 4-7 years <input type="checkbox"/> 8-10 years <input type="checkbox"/> More than 10 yrs.	<input type="checkbox"/> Less than \$500K <input type="checkbox"/> \$500K - \$1M <input type="checkbox"/> \$1-\$2M <input type="checkbox"/> \$2-\$5M <input type="checkbox"/> More than \$5M
	<hr/> <hr/> <hr/> <hr/> <hr/>	<input type="checkbox"/> DBE <input type="checkbox"/> Non-DBE	<input type="checkbox"/> Less than 1 year <input type="checkbox"/> 1-3 years <input type="checkbox"/> 4-7 years <input type="checkbox"/> 8-10 years <input type="checkbox"/> More than 10 yrs.	<input type="checkbox"/> Less than \$500K <input type="checkbox"/> \$500K - \$1M <input type="checkbox"/> \$1-\$2M <input type="checkbox"/> \$2-\$5M <input type="checkbox"/> More than \$5M
	<hr/> <hr/> <hr/> <hr/> <hr/>	<input type="checkbox"/> DBE <input type="checkbox"/> Non-DBE	<input type="checkbox"/> Less than 1 year <input type="checkbox"/> 1-3 years <input type="checkbox"/> 4-7 years <input type="checkbox"/> 8-10 years <input type="checkbox"/> More than 10 yrs.	<input type="checkbox"/> Less than \$500K <input type="checkbox"/> \$500K - \$1M <input type="checkbox"/> \$1-\$2M <input type="checkbox"/> \$2-\$5M <input type="checkbox"/> More than \$5M
	<hr/> <hr/> <hr/> <hr/> <hr/>	<input type="checkbox"/> DBE <input type="checkbox"/> Non-DBE	<input type="checkbox"/> Less than 1 year <input type="checkbox"/> 1-3 years <input type="checkbox"/> 4-7 years <input type="checkbox"/> 8-10 years <input type="checkbox"/> More than 10 yrs.	<input type="checkbox"/> Less than \$500K <input type="checkbox"/> \$500K - \$1M <input type="checkbox"/> \$1-\$2M <input type="checkbox"/> \$2-\$5M <input type="checkbox"/> More than \$5M

(Copy this form and submit with your original proposal if more space is needed.)

(This form must be completed and submitted with the Proposal.)



CONTRACTOR'S DBE PLAN

(Form B-1 and B-2 are due within 5 days of the bid opening and should be submitted to huntt@syraairport.org. Attach one DBE Letter of Intent Form for each DBE subcontractor, supplier or manufacturer. Award of the contract is conditioned on meeting this requirement.)

Airport Name: _____

Project Name: _____

FAA AIP Project No: _____

Total Bid Amount: \$ _____

Name of Bidder's Firm: _____

Street Address: _____

City: _____ State: _____ Zip: _____

Printed name of signer: _____

Printed title of signer: _____

DBE UTILIZATION SUMMARY

	<u>DBE Contract Amount</u>		<u>DBE Value</u>	<u>Contract %</u>
DBE Prime Contractor	\$ _____ x 1.00 =	\$ _____	_____ %	
DBE Subcontractors	\$ _____ x 1.00 =	\$ _____	_____ %	
DBE Suppliers	\$ _____ x 0.60 =	\$ _____	_____ %	
DBE Manufacturers	\$ _____ x 1.00 =	\$ _____	_____ %	
* Total Proposed DBE Participation		\$ _____	_____ %	
Established DBE Goal		\$ _____	_____ %	

* If the total proposed DBE participation is less than the established DBE goal, Bidder must provide written documentation of the good faith efforts as required by 49 CFR Part 26.

Affirmation:

The undersigned hereby assures that the information included herein is true and correct, and that the DBE firm(s) listed on the attached DBE Letter of Intent Forms have agreed to perform a commercially useful function in the work items noted for each firm. The undersigned further understands that no changes to this plan may be made without prior approval from the Civil Rights Staff of the Federal Aviation Administration.

By: _____
 (Signature of Bidder's representative) (Title)



Good Faith Effort Requirements

In accordance with Appendix A of 49 CFR, Part 26, the following supporting documentation is required if the DBE goal is not met. This supporting documentation must be submitted to SRAA along with Form B-1 Contractor's DBE Plan and Form B-2 DBE Letter of Intent.

1. A letter summarizing your anticipated DBE participation, why the goal isn't being met, and any other basis for not meeting the goal.
2. The names of general circulation, trade association, and DBE-oriented publications in which you solicited certified DBE firms for the purpose of complying with the DBE requirement.
3. A list identifying the dates that all solicitations for certified DBE participation were published in the above-noted publications.
4. A listing of all certified DBE firms identified in the NYS UCP DBE Directory. This listing should document firms that were solicited, how the DBE firm was solicited and any information regarding responses or lack of response.
5. Copies of any correspondence as proof that solicitations were made in writing.
6. Copies of any responses made by certified DBE firms to your solicitations.
7. Provide documentation of any negotiations that occurred with DBE firms.

The attached DBE Solicitation Log is required along with your letter summarizing your good faith efforts.

Date:

Ms. Tori Hunt
Syracuse Regional Airport Authority
1000 Col. Eileen Collins Blvd.
Syracuse, NY 13212

Re: Syracuse Hancock International Airport
[Project Name]
DBE Good Faith Efforts Documentation

Dear Ms. Hunt:

As indicated in our bid proposal, we are unable to meet the DBE utilization goal of _____%. We are committed to a minimum of _____% DBE utilization on this contract.

We offer the following explanation for not meeting the DBE goal:

We have attached a copy of completed Forms B-1, B-2 and B-3 along with information documenting our good faith efforts to meet the DBE goal established on this contract for your review and consideration of approval.

If you have any questions or need additional information, please do not hesitate to contact me.

Contractor

Name
Title

Enclosures

MONTHLY DBE PARTICIPATION REPORT

REPORT SUBMISSION DATE: _____

PROJECT NO.: _____
 COUNTY: _____
 CONTRACT ID NO.: _____
 CONTRACTOR: _____

REPORT NO.: _____

NOTICE TO PROCEED: _____
 DATE WORK BEGAN: _____
 CONTRACT \$ AMOUNT: _____
 DBE \$ AMOUNT: _____

DBE REQUIRED %: _____
 % DOLLAR COMPLETE: _____
 % PROJECT COMPLETE: _____

31-Jan	31-Jul
28-Feb	31-Aug
31-Mar	30-Sep
30-Apr	31-Oct
31-May	30-Nov
30-Jun	31-Dec

S = SUPPLIER SC = SUBCONTRACTOR

APPROVED DBE			VENDOR ID	DESCRIPTION OF WORK	
S	SC	ORIGINAL SUBCONTRACT AMOUNT	PREVIOUS PAYMENTS	PAYMENTS THIS REPORT	TOTAL PAYMENTS TO DATE
1					
RN					
RC					
2					
RN					
RC					
3					
RN					
RC					
4					
RN					
RC					
5					
RN					
RC					
6					
RN					
RC					
RN COLUMN TOTALS:					
RC COLUMN TOTALS:					

TOTAL % PAID TO DATE: _____

I HEREBY CERTIFY THAT THE ABOVE STATEMENT IS TRUE AND CORRECT AND SUPPORTING DOCUMENTATION IS ON FILE AND IS AVAILABLE FOR INSPECTION BY DEPARTMENT PERSONNEL AT ANY TIME. ALL PARTICIPATION COUNTED TOWARD FULFILLMENT OF THE DBE GOALS IS (1) REAL AND SUBSTANTIAL; (2) ACTUALLY PERFORMED BY VIABLE, INDEPENDENT DBE OWNED FIRMS; AND (3) IN ACCORDANCE WITH THE SPIRIT OF APPLICABLE LAWS AND REGULATIONS.

PRINT NAME: _____
 NAME / TITLE

SIGNATURE: _____

FOR DEPARTMENT USE ONLY

THIS DOCUMENT HAS BEEN REVIEWED AT THE PROJECT LEVEL BY:

PRINT NAME: _____
 NAME / TITLE

SIGNATURE: _____
 (Mandatory)

THIS DOCUMENT HAS BEEN REVIEWED AT THE DISTRICT LEVEL BY:

PRINT NAME: _____
 NAME / TITLE

SIGNATURE: _____
 (Mandatory)

(Submit Form C to the Airport's DBE Liaison Officer (huntt@syrairport.org) and Fiscal Officer (watkinsr@syrairport.org))



SUBCONTRACTOR'S PROMPT PAYMENT CERTIFICATION

NOTE: Each Contractor shall provide a copy of this form to each of their Subcontractors (DBE and non-DBE) that are working on or has worked on this project. This certification applies to all tier Subcontractors. **A completed copy of this form shall be submitted to the Fiscal Officer (watkinsr@syrairport.org), the Prime Contractor and the Contractor you are working for at least 7 days prior to an application for payment.** Any Subcontractor failing to submit a copy of this form shall be cause for the Sponsor's representative to delay the payment application. Reference Section 70-21, Item 12 for information on 49 CFR §26.29 with regard to Prompt Payment.

Should a Subcontractor indicate that they have not received payment for work they performed in which their Contractor has received payment, the Sponsor shall withhold the delinquent amount indicated unless the Contractor received written approval from the Sponsor of the Contractor's written request justifying withholding payment from the Subcontractor.

=====

Project Title: _____

Airport Name: _____

AIP No.: _____

Company Name: _____

Company Address: _____

_____ Contact Phone No.: _____

Contractor's Name you subcontract to: _____

=====

1. Have you performed work on this project within the last 30 days? Yes ___ No ___
2. Has the work you performed within the last 30 days been completed and accepted by the Engineer? Yes ___ No ___ Not sure ___
3. Have you been paid by the contractor you subcontracted with for the work you performed? Yes ___ No ___
4. Estimated value of work performed in which you did not receive payment: \$ _____
5. Have you completed all work that you are required to perform on this contact? Yes ___ No ___

Written Name of Subcontractor's Rep. _____

Signature: _____ Date: _____



**DISADVANTAGED BUSINESS ENTERPRISE
DBE PARTICIPATION SUMMARY**

(Submit one form for each DBE Firm.)

(Submit completed forms to huntt@syraairport.org and watkinsr@syraairport.org.)

Airport Name/Project _____

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

DBE Firm: _____

Address: _____

City: _____ State: _____ Zip: _____

DBE Contact Person Name: _____ Phone: _____

DBE Certification Agency: _____ **Expiration Date:** _____

Each DBE Firm shall submit evidence (such as a photocopy) of their certification status.

- | | |
|------------------------------------------------------|--------------------------------------------------------------------|
| <input type="checkbox"/> Black American | <input type="checkbox"/> Asian-Pacific American |
| <input type="checkbox"/> Hispanic American | <input type="checkbox"/> Non-Minority Women |
| <input type="checkbox"/> Native American | <input type="checkbox"/> Other (i.e. not of any group listed here) |
| <input type="checkbox"/> Subcontinent Asian American | |
| <input type="checkbox"/> Prime Contractor | <input type="checkbox"/> Supplier |
| <input type="checkbox"/> Manufacturer | <input type="checkbox"/> Joint Venture |
| <input type="checkbox"/> Subcontractor | |

Work items performed by DBE	Description	Quantity	Amount Paid to DBE

The Contractor utilized the above-named DBE Firm for the work items described above.
The actual participation is as follows:

Total amount paid to DBE Firm: \$ _____ Percent of Contractor's total contract: _____ %

Affirmation:

The above-named DBE Firm affirms that it has performed the work items described above and has been paid the amount stated above.

By: _____
(Signature) (Title)