

**RALEIGH COUNTY AIRPORT AUTHORITY
RALEIGH COUNTY, WEST VIRGINIA**

RUNWAY 1-19 RESTRIPIING & AIRFIELD SIGN REPLACEMENT

ADDENDUM #1

MARCH 30, 2022

THRASHER PROJECT #080-10105

TO WHOM IT MAY CONCERN:

A Pre-Bid Conference was held on Thursday, March 17, 2022 on the above-referenced project, a copy of the sign in sheet is included in this Addendum. The following are clarifications and responses to questions posed by contractors for the above reference project.

A. GENERAL

1. **THE BID FORM HAS BEEN REVISED. YOU MUST USE THE REVISED BID FORM WHEN PREPARING YOUR BID PACKAGE FOR THIS PROJECT.**
2. Mobilization costs can not exceed 10% of the overall construction costs.
3. New plans sheets have been added to this Addendum. The plans now include painting the lead in lines from the taxiway to the runway. This changed the SF quantities of paint.
4. The Contractor shall outline all pavement markings in black per AC 150/5340-M. Examples can be found in Appendix C of the document. The black paint outline shall be made incidental to the square foot price of pavement markings.
5. Successful contractor will be required to develop a plan with the Engineer and Airport that minimizes the number of days the airport is closed or partial closed for painting. Advanced notice will be required to inform the airport tenants and pilots.

B. SPECIFICATIONS

None on this Addendum

C. DRAWINGS

1. Revised: Sheet 2 has been updated with Pavement Markings Quantities.
2. Revised: Sheet 9 Striping Details.
3. Revised: Sheet 10 Striping Details

D. QUESTIONS AND RESPONSES

QUESTION

1. What size for the replacement panels? The L-125 and the Sign Legend Schedule indicate a mix of size 1 and size 2. Our records for Raleigh County Memorial show only size 1. In addition, 11 out of the 30 signs on the Sign Legend Schedule have a mix of size 1 and size 2 panels, which should not be possible.

RESPONSE

There are two different manufacturers of signs on the airfield lumacurve and adb-alnaco. Lumacurve branded signs are all size 1. A few of the signs at runway thresholds have a newer lumacurve sign next to an older adb-alnaco trapezoidal sign which conform to the measurements of size 2 criteria.

QUESTION

2. If I am interpreting this correctly any size 1 sign/panel is Lumacurve. And any sign on the sign schedule (#s 1, 5, 24, 31, 48, 67, 75) that show both size 1 and size 2 panels at the same sign is a co-located size 1 Lumacurve and size 2 ADB Trapezoid.

RESPONSE

Yes. See picture below.



QUESTION

3. Can roadway glass beads that are used for the WVDOH be used?

RESPONSE

No. Glass beads for white and yellow paint shall meet the requirements for Federal Specification TT-B-1325D Type I, Gradation A.

QUESTION

4. What type of line removal method should be used grinding, power washing or can we paint over the existing lines?

RESPONSE

Prior to remarking existing markings, loose existing markings must be removed minimizing damage to the pavement surface, with a method approved by the resident project representative employed by Thrasher. After removal, the surface shall be cleaned of all residue or debris before new paint is applied.

QUESTION

5. Will one coat of paint be sufficient, or will two coats be required?

RESPONSE

One coat is sufficient at the maximum rate of 115 SF/Gallon.

QUESTION

6. What percentage of the work must be completed by the prime contractor?

RESPONSE

The prime contractor must complete a minimum of 50% of the contract work.

QUESTION

7. Are the signs lighted?

RESPONSE

Yes the signs are lighted.

QUESTION

8. How many lighted X's for closing the runway will be needed for this project?

RESPONSE

The number of lighted X's varies depending on the phase of the project. Please see plans for location and amount of lighted X's.

QUESTION

9. Can we paint at night?

RESPONSE

No, the contractor will be required to paint in the daytime.

E. CLARIFICATIONS

None on this Addendum

If you have any questions or comments, please feel free to contact me at your earliest convenience. As a reminder, bids will be received until 2:00 p.m. on Wednesday, April 6, 2022 at Raleigh County Airport Authority, 176 Airport Road, Suite 105, Beaver, WV. Good luck to everyone and thank you for your interest in the project.

Sincerely,

THE THRASHER GROUP, INC.



CHAD BILLER, PE
Project Manager



**RALEIGH COUNTY AIRPORT AUTHORITY
 RALEIGH COUNTY, WEST VIRGINIA
 RUNWAY 1-19 RESTRIPING & AIRFIELD SIGN REPLACEMENT**

**PRE-BID CONFERENCE
 Thursday, March 17, 2022**

Thrasher Project #080-10105

Name	Representing	Phone #	Email Address
Chad Bitter	Thrasher	304-326-6177	Cbitter@thetrashergrp.com
Bob Brunion	Raleigh County Airport	304-255-0476	brunion@aol.com
Tom Cochran/zoom	Raleigh County Airport	304-890-4615	TCochran@suddenlinkmail.com
Gary Morrison	Mid Atlantic	304539-1156	gfm1156@gmail.com
Kyle Holcomb	Ch Services LLC	304-640-2480	kyle.holcomb@chservices.org

BID FORM FOR CONSTRUCTION CONTRACT

The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 1—OWNER AND BIDDER

- 1.01 This Bid is submitted to:
*Raleigh County Airport Authority
176 Airport Road, Suite 105
Beaver, WV 25813*
- 1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2—ATTACHMENTS TO THIS BID

- 2.01 The following documents are submitted with and made a condition of this Bid:
- A. Bid Opening Requirements

ARTICLE 3—BASIS OF BID—LUMP SUM BID AND UNIT PRICES

GENERAL

The Bidder shall take notice of and shall be responsible for any local or state taxes levied and applicable, and the cost for the same shall be included as part of the submitted Bid.

The total Bid cost stated includes a complete operating installation including furnishing and installation of any and all changes or additions in plans, piping, mechanical work, additional electrical work, accessories, controls, etc. necessary to accommodate alternative equipment systems or materials used in construction.

BID PROPOSAL

The Bidder agrees to perform all required Work described in the detailed Specifications and as shown on the Plans for the complete construction and placing in satisfactory operation the Runway 1-19 Restriping & Airfield Sign Replacement. The Project "Sequence of Construction" has been detailed in the Drawings and Specification Division 1, Project Summary, Section 011000. The Bidder agrees to perform all the Work proposed for the total of the following Bid prices.

- 3.01 *Lump Sum Bids*
- A. Bidder will complete the Work in accordance with the Contract Documents for the lump sum (stipulated) price(s), together with any Unit Prices indicated in Paragraph 3.02 and shown in the bid schedule.
- B. Lump Sum Bids may be one of the following:

1. Lump Sum Price (Single Lump Sum)
 2. Lump Sum Price (Base Bid and Alternates)
 3. Lump Sum Price (Sectional Lump Sum Bids)
- C. All specified cash allowance(s) are included in the price(s) set forth in the bid schedule, and have been computed in accordance with Paragraph 13.02 of the General Conditions.
- D. All specified contingency allowances are included in the price(s) set forth in the bid schedule, and have been computed in accordance with Paragraph 13.02 of the General Conditions.

3.02 *Unit Price Bids*

- A. Bidder will perform the following Work at the indicated unit prices as shown in the Bid Schedule.
- B. Bidder acknowledges that:
1. each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and
 2. estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Work will be based on actual quantities, determined as provided in the Contract Documents.

3.03 *Total Bid Price (Lump Sum and Unit Prices)*

BID SCHEDULE

**PROPOSED
 RUNWAY 1-19 RESTRIPIING & AIRFIELD SIGN REPLACEMENT
 FOR THE**

**RALEIGH COUNTY AIRPORT AUTHORITY
 RALEIGH COUNTY, WEST VIRGINIA**

NOTE: Bid PRICE amounts are to be shown in both words and figures. In case of discrepancy, the amount shown in words will govern. Bids shall include sales tax and all other applicable taxes and fees.

Item #	FAA Item #	Qty.	UNIT	DESCRIPTION	UNIT PRICE	UNIT PRICE WRITTEN IN WORDS	TOTAL PRICE
1	Section 105	1	LS	Mobilization/Demobilization (Not to exceed 10% of Total Cost)			
2	P-620	119,000	SF	Pavement Markings			
3	P-620	1	LS	Reflective Media			

Item #	FAA Item #	Qty.	UNIT	DESCRIPTION	UNIT PRICE	UNIT PRICE WRITTEN IN WORDS	TOTAL PRICE
4	P-620	1	LS	Surface Preparation			
5	L-125	23	EA	L-858 (Y) B/Y Sign Panel Size 2			
6	L-125	12	EA	L-858 (Y) W/R Sign Panel Size 2			
7	L-125	33	EA	L-858 (Y) Y/B Sign Panel Size 1			

TOTAL BID: _____
 (Words)

_____ (\$ _____)
 (Words) (Figures)

(Amounts are to be shown in both words and figures. In case of discrepancy, the amount shown in words will govern.)

3.04 *Method of Award*

If at the time this contract is to be awarded, the lowest total bid submitted by a qualified, responsive, responsible Bidder does not exceed the amount of funds then estimated by the Owner, as available to finance the contract, the construction contract will be awarded. If such bids exceeds such amount, the owner may reject all bids.

~~ARTICLE 4—BASIS OF BID—COST PLUS FEE~~

Deleted

~~ARTICLE 5—PRICE PLUS TIME BID~~

Deleted

ARTICLE 6—TIME OF COMPLETION

6.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.

6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 7—BIDDER’S ACKNOWLEDGEMENTS: ACCEPTANCE PERIOD, INSTRUCTIONS, AND RECEIPT OF ADDENDA

7.01 *Bid Acceptance Period*

A. This Bid will remain subject to acceptance for 90 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

7.02 *Instructions to Bidders*

A. Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security.

7.03 *Receipt of Addenda*

A. Bidder hereby acknowledges receipt of the following Addenda:

Addendum Number	Addendum Date

ARTICLE 8—BIDDER’S REPRESENTATIONS AND CERTIFICATIONS

8.01 *Bidder’s Representations*

A. In submitting this Bid, Bidder represents the following:

1. Bidder has examined and carefully studied the Bidding Documents, including Addenda.

2. Bidder has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
3. Bidder is familiar with all Laws and Regulations that may affect cost, progress, and performance of the Work.
4. Bidder has carefully studied the reports of explorations and tests of subsurface conditions at or adjacent to the Site and the drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, with respect to the Technical Data in such reports and drawings.
5. Bidder has carefully studied the reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, with respect to Technical Data in such reports and drawings.
6. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Technical Data identified in the Supplementary Conditions or by definition, with respect to the effect of such information, observations, and Technical Data on (a) the cost, progress, and performance of the Work; (b) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, if selected as Contractor; and (c) Bidder's (Contractor's) safety precautions and programs.
7. Based on the information and observations referred to in the preceding paragraph, Bidder agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.
8. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
9. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and of discrepancies between Site conditions and the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.
10. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
11. The submission of this Bid constitutes an incontrovertible representation by Bidder that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

8.02 *Bidder's Certifications*

A. The Bidder certifies the following:

1. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation.
2. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid.
3. Bidder has not solicited or induced any individual or entity to refrain from bidding.

4. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 8.02.A:
 - a. Corrupt practice means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process.
 - b. Fraudulent practice means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition.
 - c. Collusive practice means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels.
 - d. Coercive practice means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

BIDDER hereby submits this Bid as set forth above:

Bidder:

(typed or printed name of organization)

By: _____
(individual's signature)

Name: _____
(typed or printed)

Title: _____
(typed or printed)

Date: _____
(typed or printed)

If Bidder is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.

Attest: _____
(individual's signature)

Name: _____
(typed or printed)

Title: _____
(typed or printed)

Date: _____
(typed or printed)

Address for giving notices:

Bidder's Contact:

Name: _____
(typed or printed)

Title: _____
(typed or printed)

Phone: _____

Email: _____

Address: _____

Bidder's Contractor License No.: (if applicable) _____

GENERAL NOTES

- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS, LICENSE'S, ETC. REQUIRED BY LOCAL, STATE AND FEDERAL AGENCIES. THE CONTRACTOR IS ALSO RESPONSIBLE
- FORMAL TRAINING FOR ALL VEHICLE OPERATORS, IS REQUIRED, PRIOR TO WORK. TRAINING WILL BE CONDUCTED BY THE AIRPORT AUTHORITY. THE TRAINING WILL LAST APPROXIMATELY TWO HOURS AND ALL OPERATORS MUST PASS A WRITTEN TEST BEFORE BEING ALLOWED ON AIRPORT.
- THE CONTRACTOR SHALL MARK AND LIGHT AREAS UNDER CONSTRUCTION IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. AIRCRAFT AND PUBLIC SAFETY SHALL NOT BE COMPROMISED AND PROPER SEPARATION SHALL BE MAINTAINED AT ALL TIMES.
- THE CONTRACTOR SHALL PROVIDE THE ENGINEER AND OWNER WITH TWO (2) DAY ADVANCE WRITTEN NOTICE PRIOR TO ANY CLOSURE OF RUNWAY 1-19 AND 10-28. THE OWNER WILL COORDINATE THE CLOSURE WITH ALL TENANTS AND USERS OF THE AIRPORT AND ISSUE THE APPROPRIATE NOTAMS.
- CLOSED RUNWAY AND TAXIWAY MARKERS AND BARRICADES SHALL BE INSTALLED AS THE FIRST TASK IN ANY WORK AREA AND SHALL BE REMOVED AS THE LAST TASK. THE CLOSED MARKERS AND BARRICADES SHALL NOT BE REMOVED UNTIL THE PAVEMENT AND SAFETY AREAS ARE ESTABLISHED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AND ARE SUITABLE FOR USE BY AIRCRAFT. THE CONTRACTOR'S REPRESENTATIVE SHALL BE ON CALL 24 HOURS A DAY FOR EMERGENCY MAINTENANCE OF AIRPORT MARKERS, BARRICADES, ETC DURING THE LIFE OF THE PROEJCT.
- THE CONTRACTOR SHALL INSTALL BARRICADES ACROSS ALL ACTIVE PAVED AIRCRAFT OPERATIONAL AREAS ADJACENT TO THE CONSTRUCTION AREAS AS SHOWN ON THE PLANS OR AS ORDERED BY THE ENGINEER (NO PAY ITEM).
- REFER TO THE CLOSED MARKER AND BARRICADE SCHEDULE" FOR THE MARKERS AND BARRICADES REQUIRED FOR EACH PHASE.
- THE CONTRACTOR MAY BE REQUIRED TO RELOCATE THE CLOSED MARKERS AND BARRICADES DURING THE PROJECT. IF REQUIRED, THE MULTIPLE RELOCATIONS OF THE BARRICADES SHALL BE INCIDENTAL TO THE PROJECT. THE LOCATION OF THE BARRICADES, AS SHOWN ON THE PLANS, REPRESENTS THE MOST TYPICAL LOCATIONS. OTHER LOCATIONS MAY BE REQUIRED AS ORDERED BY THE ENGINEER.
- ALL RUNWAY LIGHTS, APPROACH LIGHTS, AND VISUAL AIDS SHALL BE DE-ENERGIZED WHEN THE RUNWAY IS CLOSED. LIGHTS SHALL BE RE-ENERGIZED CONCURRENT WITH THE OPENING OF THE RUNWAY (NO SEPARATE PAY ITEM). REMOVING THE LAMP FROM FIXTURES SHALL NOT BE THE METHOD SELECTED.
- ALL TAXIWAY LIGHTS SHALL BE DE-ENERGIZED OR PROPERLY COVERED WHEN THE CORRESPONDING TAXIWAY IS CLOSED. LIGHTS SHALL BE RE-ENERGIZED OR UNCOVERED CONCURRENT WITH THE OPENING OF THE TAXIWAY NO SEPARATE PAY ITEM). REMOVING THE LAMP FROM FIXTURES SHALL NOT BE THE METHOD SELECTED.
- PRIOR TO REOPENING THE RUNWAY AND TAXIWAYS, THE CONTRACTOR SHALL CLEAN ALL DEBRIS (FOD) FROM THE PAVEMENT SURFACES. DEBRIS IS DAMAGING TO AIRCRAFT ENGINES AND MAY BECOME PROJECTILES WHEN THROWN BY ENGINES.
- REFER TO THE PHASING DETAILS SHEET FOR DETAILS OF CLOSED MARKERS, BARRICADES, AND FAA PART 77 SURFACES.
- PRIOR TO BEGINNING WORK IN EACH AREA, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND CONFIRM THAT THE PROPER NOTAMS HAVE BEEN ISSUED AND ARE ON FILE.

- AIRCRAFT SHALL HAVE THE RIGHT-OF-WAY AT ALL TIMES. CONTRACTOR VEHICLES SHALL GIVE WAY TO AIRCRAFT AT ALL TIMES.
- THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES AND FACILITIES (i.e., AIRPORT LIGHTING, NAVAIDS, ETC.) FROM DAMAGE BY EQUIPMENT OR PERSONNEL.
- ANY MARKED OR UNMARKED UTILITIES OR FACILITIES DAMAGED DURING THE PROJECT BY THE CONTRACTOR'S PERSONNEL OR EQUIPMENT SHALL BE PROMPTLY REPAIRED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTORS STAGING AREA, HAUL ROUTES, SITE ACCESS ROADS AND ANY OTHER AREAS SHALL BE MAINTAINED AND RESTORED TO THEIR ORIGINAL CONDITION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS, LICENSES, ETC. REQUIRED BY LOCAL, STATE, AND FEDERAL AGENCIES. THE CONTRACTOR WILL BE RESPONSIBLE FOR PAYING ALL B&O TAXES WITH THE CITY.
- THE OWNER RESERVES THE RIGHT TO CONTRACT AND PERFORM ADDITIONAL WORK ADJACENT TO AND WITHIN THE WORK AREA COVERED BY THIS CONTRACT. WHEN SEPARATE CONTRACTS ARE LET WITHIN THE LIMITS OF ANY ONE PROJECT, EACH CONTRACTOR SHALL CONDUCT HIS WORK SO AS NOT TO INTERFERE WITH OR HINDER THE PROGRESS OR THE COMPLETION OF THE WORK BEING COMPLETED BY OTHER CONTRACTORS. THE CONTRACTORS WORKING ON THE SAME PROJECT SHALL COOPERATE WITH EACH OTHER AS ORDERED BY THE ENGINEER.
- THE CONTRACTOR'S FORMAN OR SUPERINTENDENT ON SITE SHALL CARRY IN HIS OR HER POSSESSION AN AIR TO GROUND RADIO THAT IS CAPABLE OF COMMUNICATING WITH AIRPORT STAFF.
- REFERENCE FOR COORDINATE SYSTEM, WEST VIRGINIA STATE PLANE COORDINATES SOUTH, NAD 1983.
- UPON NOTIFICATION FROM THE AIRPORT MANAGER, THE CONTRACTOR SHALL IMMEDIATELY CLEAR THE TAXIWAY AND/OR APRON OF EQUIPMENT AND PERSONNEL IN THE EVENT OF DECLARED AIRCRAFT EMERGENCY.
- THE CONTRACTOR SHALL OUTLINE ALL PAVEMENT MARKINGS IN BLACK PER AC 150/5340-M. EXAMPLES CAN BE FOUND IN APPENDIX C OF THE DOCUMENT. THE BLACK PAINT OUTLINE SHALL BE MADE INCIDENTAL TO THE SQUARE FOOT PRICE OF PAVEMENT MARKINGS.
- AIRPORT CONSTRUCTION STANDARDS (AC150/5370-10) ARE THE GOVERNING SPECIFICATION FOR THE JOB UNLESS STATED OTHERWISE.
- FAA ADVISORY CIRCULARS APPLICABLE TO THIS PROJECT ARE AS FOLLOWS:
AC150/5340-1M - STANDARDS FOR AIRPORT MARKINGS
AC150/5345-44K - SPECIFICATION FOR RUNWAY AND TAXIWAY SIGNS
AC150/5340-18G - STANDARDS FOR AIRPORT SIGN SYSTEMS

CONSTRUCTION SAFETY PHASING PLAN GENERAL NOTES

COORDINATION

PRE-CONSTRUCTION MEETING WILL BE HELD PRIOR TO THE ISSUANCE OF NOTICE TO PROCEED. AT A MINIMUM, REQUIRED ATTENDEES WILL INCLUDE THE SPONSOR, ENGINEER, INSPECTOR, CONTRACTOR, AND ANY SUBCONTRACTOR.

AIRPORT CONTACT - BOB RUNYON (304) 255-0476

PHASING

THE CONTRACT DEADLINE FOR THIS PROJECT IS 150 DAYS FOR COMPLETION. THIS PROJECT IS BROKEN DOWN INTO FOUR PHASES. THIS WILL REQUIRE COORDINATION BETWEEN CONTRACTOR, ENGINEER, AND AIRPORT SPONSOR. OUTLINED BELOW ARE THE CONSTRUCTION PHASES:

PHASE 1: CLOSURE OF A PORTION OF RUNWAY 1-19 FOR REMOVAL OF EXISTING PAVEMENT MARKINGS AND PLACEMENT OF NEW PAVEMENT MARKINGS.

PHASE 2: CLOSURE OF RUNWAY 1-19 AND 10-28 FOR REMOVAL OF EXISTING PAVEMENT MARKINGS AND PLACEMENT OF NEW PAVEMENT MARKINGS AT RUNWAY INTERSECTION.

PHASE 3: CLOSURE OF RUNWAY 1-19 AND 10-28 FOR REPLACEMENT OF SPECIFIC RUNWAY AND TAXIWAY SIGNAGE WITHIN THE RUNWAY SAFETY AREAS.

PHASE 4: REPLACEMENT OF SPECIFIC RUNWAY AND TAXIWAY SIGNAGE THAT ARE NOT WITHIN THE RUNWAY SAFETY AREAS.

AREAS AND OPERATIONS AFFECTED BY THE CONSTRUCTION ACTIVITY

THE CONTRACTOR'S FOREMAN OR SUPERINTENDENT ON SITE SHALL CARRY IN HIS OR HER POSSESSION AN AIR TO GROUND RADIO THAT IS CAPABLE OF COMMUNICATIONS. IN ADDITION EACH CONTRACTOR'S VEHICLE SHALL DISPLAY AMBER FLASHING STROBE LIGHTS OR ORANGE AND WHITE CHECKERED FLAGS WHEN OPERATING ON THE AIRFIELD IN ACCORDANCE TO AC 150/5210-5. THE CONTRACTOR IS TO LIMIT THE NUMBER OF VEHICLES THAT WILL HAVE ACCESS TO THE MOVEMENT AREAS. PRIOR TO CROSSING INTO MOVEMENT AREAS OR SAFETY AREAS CONTRACTORS SHALL COMMUNICATE THRU TWO WAY RADIOS TO ENSURE A PLANE IS NOT IN THE VICINITY TO LAND. ALL PERSONS SHALL BE TRAINED FOLLOWING 139.329 REQUIREMENTS. RECORDS SHALL BE KEPT BY THE AIRPORT OF EACH INDIVIDUAL WHO COMPLETED A TRAINING COURSE AND SHALL BE MAINTAINED FOR 24 CONSECUTIVE MONTHS. ACCIDENTS OR INCIDENTS IN THE MOVEMENT AND/OR SAFETY AREAS INVOLVING AN AIRCRAFT, VEHICLE OR PEDESTRIAN SHALL BE RECORDED AND KEPT FOR 12 CONSECUTIVE MONTHS FROM DATE OF INCIDENT.

WILDLIFE MANAGEMENT

PRIOR TO THE END OF THE WORK DAY CONTRACTOR SHALL WALK WORK AREA AND PICK UP ANY TRASH OR DEBRIS.

CONTRACTOR SHALL PROVIDE TEMPORARY DRAINAGE DURING CONSTRUCTION TO AVOID STANDING WATER IN EXCAVATED AREAS.

FOREIGN OBJECT DEBRIS MANAGEMENT

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN A CLEAN PROJECT SITE FREE FROM THE THREAT OF FOREIGN OBJECT DEBRIS (FOD). THE CONTRACTOR AND ITS EMPLOYEES WILL BE HELD RESPONSIBLE FOR MAINTAINING THE PROJECT AREA AND KEEPING IT FREE FROM FOD WHETHER IT IS GENERATED FROM THE PROJECT SITE OR OTHER AIRFIELD AREAS.

NOTIFICATION OF CONSTRUCTION ACTIVITIES

THE CONTRACTOR SUPERINTENDENT WILL BE SUPPLIED WITH A CONTACT LIST OF ALL PERSONNEL WHO SHOULD BE NOTIFIED FOR UPDATES AND/OR EMERGENCIES. THE AIRPORT MANAGER SHALL BE NOTIFIED 48 HOURS PRIOR TO CLOSING OF RUNWAY/TAXIWAYS FOR NOTAM NOTICES CAN BE ISSUED.

INSPECTION REQUIREMENTS

AIRPORT PERSONNEL WILL CONDUCT DAILY INSPECTIONS TO THE PROJECT AREAS PRE AND POST CONSTRUCTION. THE ENGINEER, AND AIRPORT CONTRACT WILL BE ONSITE TO CONDUCT FINAL INSPECTION (PUNCH LIST) TO ENSURE THE PROJECT WAS COMPLETED PER PLANS AND SPECS.

UNDERGROUND UTILITIES

THERE ARE UNDERGROUND UTILITIES ARE PRESENT WITHIN THE PROJECT AREA. HOWEVER, THEY ARE IN CONDUIT AND/OR CASING AND DUE TO THE LIMIT EXCAVATION ON THIS PROJECT, THERE SHOULD BE NO CONFLICT WITH THESE UTILITIES.

PENALTIES

EXCEEDING CALENDAR DAYS ALLOTTED FOR CONSTRUCTION
CONSEQUENCE - \$500 PER CALENDAR DAY
VIOLATION OF SAFETY PLAN
CONSEQUENCE - 1ST OCCURRENCE: VERBAL WARNING
2ND OCCURRENCE: WRITTEN WARNING & \$250 FINE
3RD OCCURRENCE: WRITTEN WARNING & \$500 FEE
4TH OCCURRENCE: PERSON REMOVED FROM PROJECT SITE.

SUMMARY OF ESTIMATED QUANTITIES

BID ITEM NO.	FAA ITEM NO.	DESCRIPTION	UNIT	QUANTITY
01	SECTION-105	MOBILIZATION	LS	1
02	P-620	PAVEMENT MARKINGS	SF	119,000
03	P-620	REFLECTIVE MEDIA	LS	1
04	P-620	SURFACE PREPARATION	LS	1
05	L-125	L-858 (Y) B/Y SIGN PANEL SIZE 2	EA	23
06	L-125	L-858 (R) W/R SIGN PANEL SIZE 2	EA	12
07	L-125	L-858 (L) Y/B SIGN PANEL SIZE 1	EA	33

LAYOUT TAB: 2 QUANTITIES & GENERAL NOTES
CAD FILE: R:\080\080-10105\00-RUNWAY 1-19 RE-STRIPING AND SIGN UPGRADE-RALEIGH CO MEMORIAL AIRPORT-Drawing\10105-QUANTITIES & GENERAL NOTES.dwg
PLOT DATE/TIME: 3/29/2022 9:36 AM

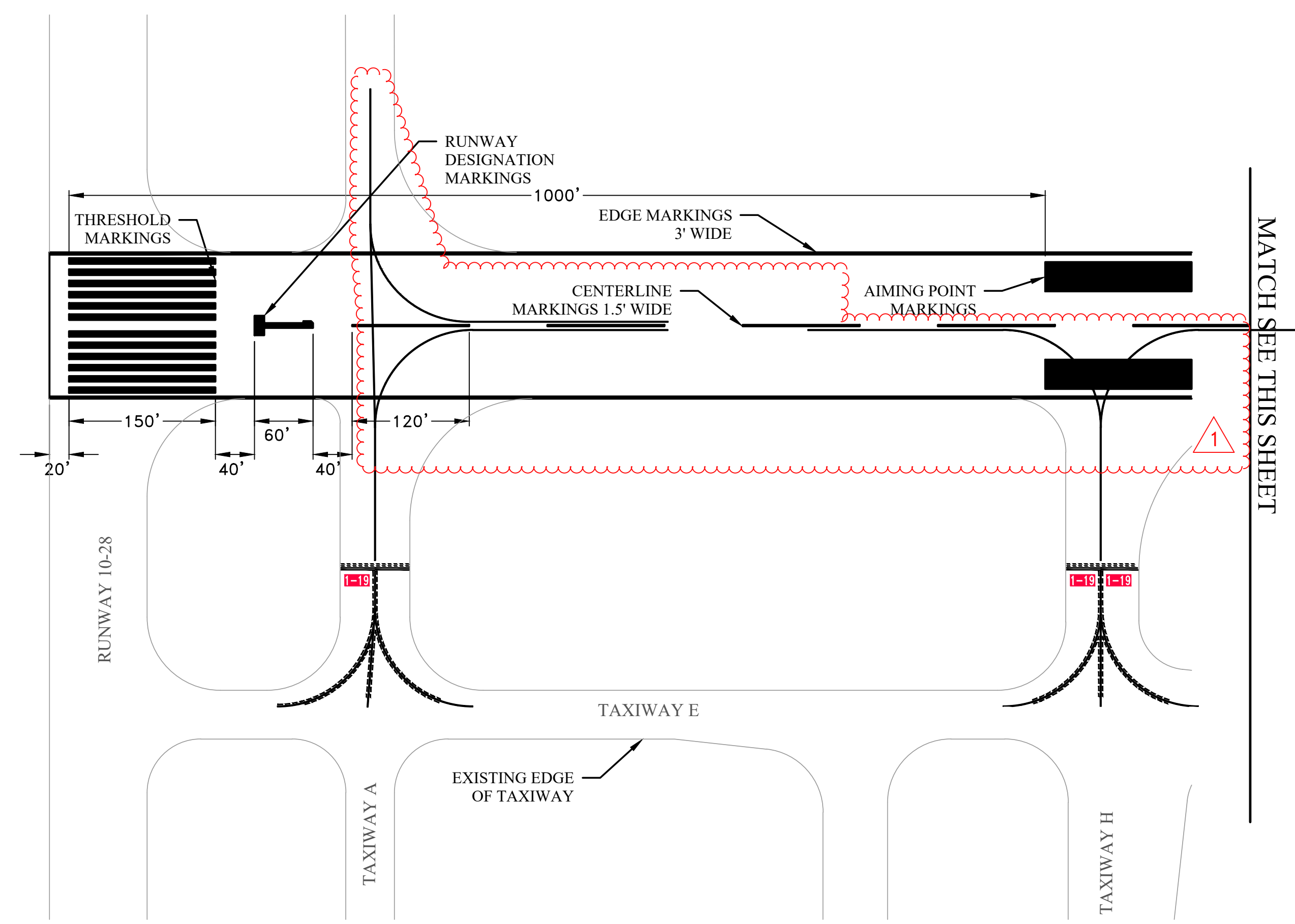
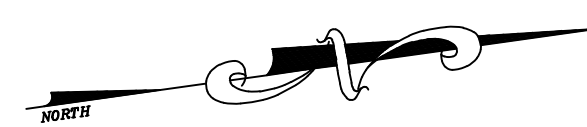
NO.	BY	DATE	DESCRIPTION
1	CRW	3/29/22	ADJUSTED PAVEMENT MARKING QUANTITY TO INCLUDE LEAD ON / LEAD OFF LINES

SCALE: AS SHOWN
DRAWN: DATE:
CHECKED: DATE:
APPROVED: DATE:
SURVEY DATE:
SURVEY BY:
FIELD BOOK No.:

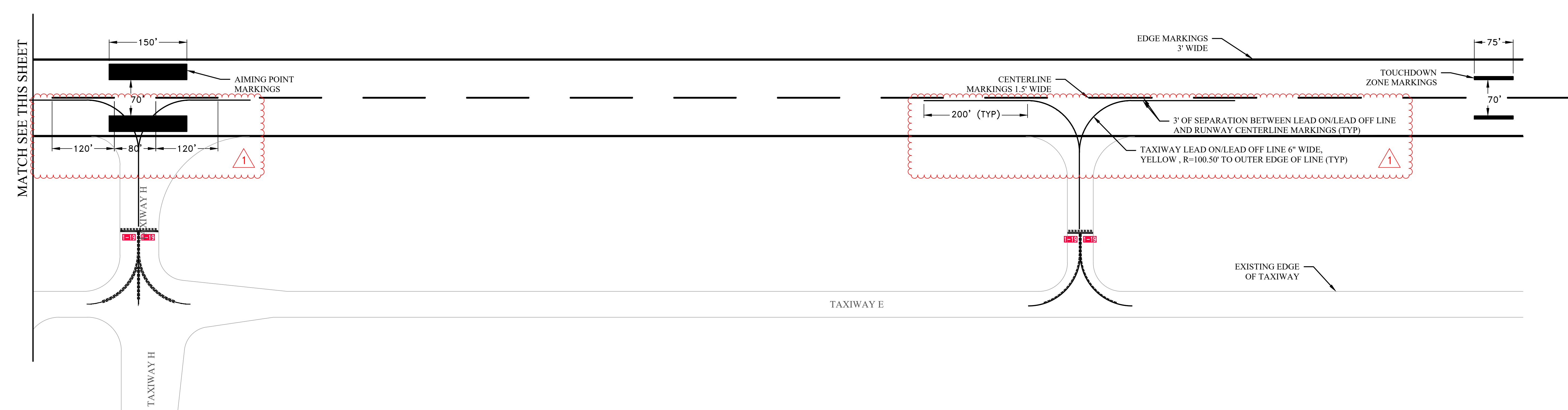
THRASHER
THE THRASHER GROUP INC.
CIVIL • ENVIRONMENTAL • CONSULTING • FIELD SERVICES
600 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330
PHONE (304) 624-4108 • FAX (304) 624-7831

PHASE No.
CONTRACT No.
PROJECT No.
080-10105

**RALEIGH COUNTY MEMORIAL AIRPORT
RUNWAY 1-19 RE-STRIPING
AND SIGN UPGRADES
BEAVER, WEST VIRGINIA
QUANTITIES & GENERAL NOTES**



MATCH SEE THIS SHEET



MATCH SEE THIS SHEET

MATCH SHEET 10



LAYOUT TAB: 9 STRIPING DETAILS
CAD FILE: R:\080105\080-10105\00-RUNWAY 1-19 RE-STRIPING AND SIGN UPGRADE-RALEIGH CO MEMORIAL AIRPORT-Drawing DETAILS.dwg
PLOT DATE/TIME: 3/29/2022 3:14 PM

NO.	BY	DATE	DESCRIPTION
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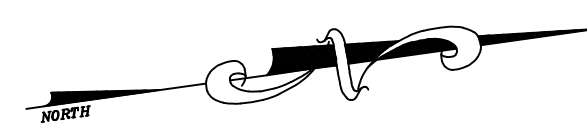
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DRAWN:	DATE:
CHECKED:	DATE:
APPROVED:	DATE:
SURVEY DATE:	
SURVEY BY:	
FIELD BOOK No.:	

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PHASE No.	
CONTRACT No.	
PROJECT No.	080-10105

**RALEIGH COUNTY MEMORIAL AIRPORT
RUNWAY 1-19 RE-STRIPING
AND SIGN UPGRADES
BEAVER, WEST VIRGINIA
STRIPING DETAILS**

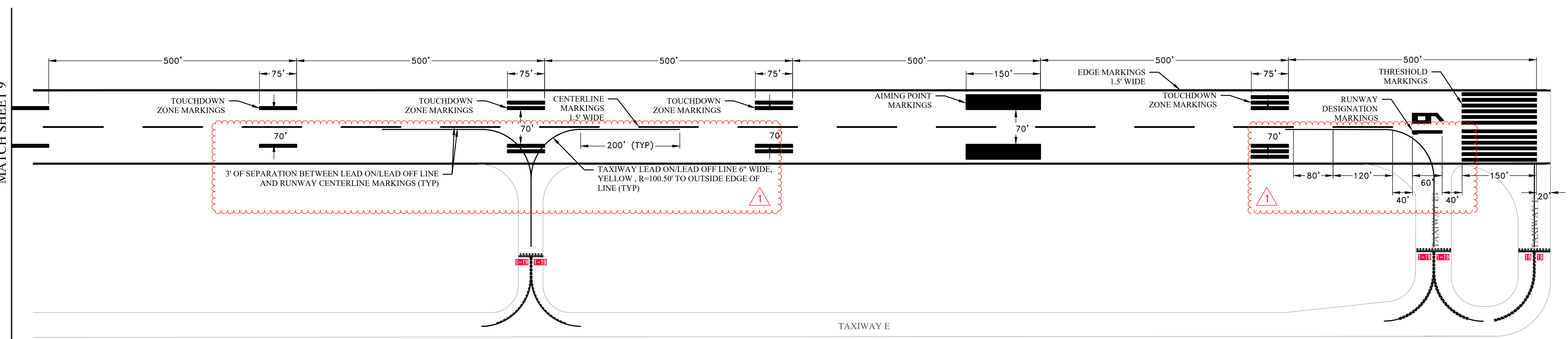
SHEET No.	9
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PLOT DATE/TIME: 3/29/2022 3:16 PM

LAYOUT TAB: 10 STRIPING DETAILS
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MATCH SHEET 9



NO.	BY	DATE	DESCRIPTION
1	CRW	3/29/22	ADDED IN LEAD ON/LEAD OFF LINES AND DETAILS

SCALE: AS SHOWN	
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**RALEIGH COUNTY MEMORIAL AIRPORT
RUNWAY 1-19 RE-STRIPING
AND SIGN UPGRADES
BEAVER, WEST VIRGINIA
STRIPING DETAILS**

SHEET No.	10
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