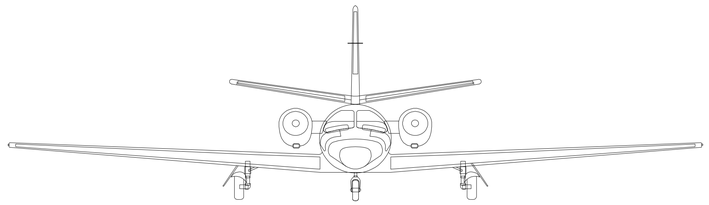
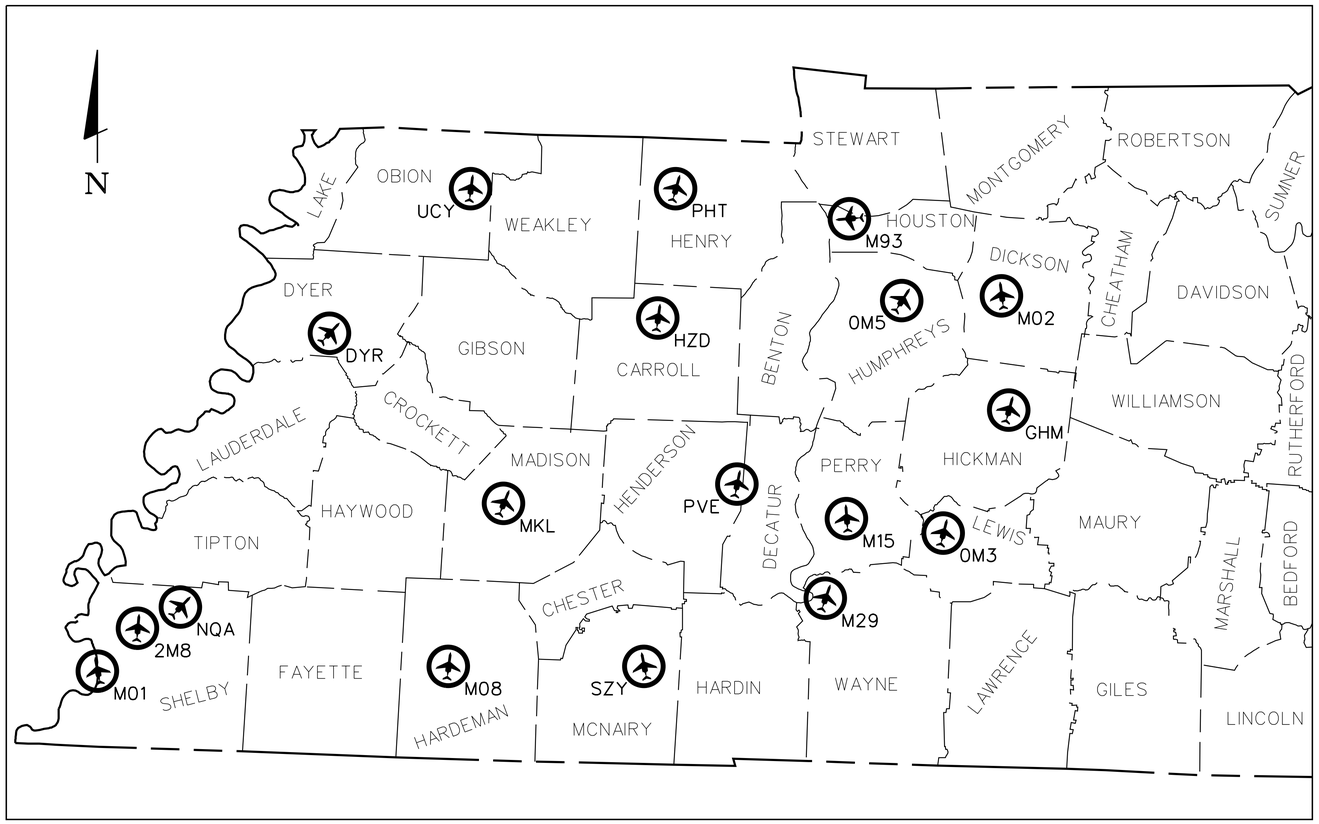
CONSTRUCTION PLANS
FOR THE
AIRFIELD PAVEMENT AND MARKING MAINTENANCE

TENNESSEE DEPARTMENT OF TRANSPORTATION (TDOT)
TAD No. 99-555-1303-19
PIN: 128867.00

TENNESSEE DEPARTMENT OF TRANSPORTATION (TDOT)

CLAY BRIGHT, COMMISSIONER
MICHELLE FRAZIER, AERONAUTICS DIRECTOR
JOHN-PAUL SAALWAECHTER, CHIEF ENGINEER





LOCATION MAP
NOT TO SCALE

INDEX OF DRAWINGS

Sheet No.	Description
C0.01	COVER SHEET
C0.02	GENERAL NOTES
C0.03	SCHEDULE OF QUANTITIES
C0.04	CIVIL & RUNWAY NUMERAL MARKING DETAILS
C0.05	PRECISION RUNWAY MARKING DETAILS
C0.06	NON-PRECISION RUNWAY MARKING DETAILS
C0.07	VISUAL RUNWAY MARKING DETAILS
C1.01-1.03	BEECH RIVER REGIONAL AIRPORT, PVE, LEXINGTON-PARSONS
C2.01-2.05	CARROLL COUNTY AIRPORT, HZD, HUNTINGDON
C3.01-3.03	CENTERVILLE MUNICIPAL AIRPORT, GHM, CENTERVILLE
C4.01-4.06	CHARLES W BAKER AIRPORT, 2M8, MILLINGTON
C5.01-5.05	DICKSON MUNICIPAL AIRPORT, M02, DICKSON
C6.01-6.05	DYERSBURG REGIONAL AIRPORT, DYR, DYERSBURG
C7.01-7.08	EVERETT STEWART REGIONAL AIRPORT, UCY, UNION CITY
C8.01-8.05	GENERAL DEWITT SPAIN AIRPORT, M01, MEMPHIS
C9.01-9.05	HASSELL FIELD AIRPORT, M29, CLIFTON
C10.01-10.06	HENRY COUNTY AIRPORT, PHT, PARIS
C11.01-11.04	HOUSTON COUNTY AIRPORT, M93, MCKINNON
C12.01-12.04	HUMPHREYS COUNTY AIRPORT, 0M5, WAVERLY
C13.01-13.02	JOHN A BAKER FIELD AIRPORT, 0M3, HOHENWALD
C14.01-14.06	MCKELLAR-SIPES REGIONAL AIRPORT, MKL, JACKSON
C15.01-15.06	MILLINGTON-MEMPHIS AIRPORT, NQA, MILLINGTON
C16.01-16.04	PERRY COUNTY AIRPORT, M15, LINDEN
C17.01-17.04	ROBERT SIBLEY AIRPORT, SZY, SELMER
C18.01-18.05	WILLIAM L WHITEHURST FIELD AIRPORT, M08, BOLIVAR

ISSUED FOR BID

BARGE DESIGN SOLUTIONS



BARGE DESIGN SOLUTIONS

MAY 22, 2019
PROJECT No.
36821-03

CONSTRUCTION PLANS
FOR THE
AIRFIELD PAVEMENT AND MARKING MAINTENANCE
WEST TENNESSEE AIRFIELDS

C0.01

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GENERAL NOTES

1. THE CONTRACTOR MUST SCHEDULE OPERATIONS IN ORDER TO COMPLETE CONSTRUCTION IN THE OVERALL TIME LIMIT SPECIFIED. CONTRACTOR IS TO PREPARE A CONSTRUCTION SCHEDULE TO INCLUDE THE PROPOSED SEQUENCE OF CONSTRUCTION, AND BRING THE SCHEDULE TO THE PRECONSTRUCTION MEETING FOR REVIEW AND APPROVAL.

2. THE CONTRACTOR SHALL COMPLY WITH ALL PERTINENT PROVISIONS OF THE "MANUAL OF ACCIDENT PREVENTION IN CONSTRUCTION" ISSUED BY AGC OF AMERICA, INC. AND THE "SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION" ISSUED BY THE UNITED STATES DEPARTMENT OF LABOR.

3. THE LOCATIONS OF UTILITIES (INCLUSIVE OF STORM DRAINS) SHOWN WITHIN THESE PLANS ARE APPROXIMATE. EXACT LOCATIONS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CALL TENNESSEE ONE CALL AT 1-800-351-1111 (OR 811).

4. CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES AND OBTAIN ALL PERMITS.

5. PROPOSED HAUL ROUTES AND STOCKPILE AREAS SHALL BE APPROVED BY THE ENGINEER AND THE OWNER PRIOR TO START OF WORK AT EACH SITE. ALL CONSTRUCTION TRAFFIC MUST ENTER AND EXIT THE PROJECT WORK AREA PER DESIGNATED HAUL ROUTES.

6. CONTRACTOR SHALL REVIEW PROJECT CONSTRUCTION SAFETY PLAN AND BE FAMILIAR WITH ALL AIRPORT OPERATIONAL SAFETY AREAS. NO EQUIPMENT SHALL BE LEFT IN THE RUNWAY/TAXIWAY SAFETY AREAS, AND LIGHTED BARRICADES SHALL BE PROVIDED AS REQUIRED.

7. GENERAL CONTRACTOR SHALL HAVE AN AUTHORIZED JOB SUPERINTENDENT ON SITE WHENEVER WORK IS BEING PERFORMED BY ANY TRADE.

8. IN THE EVENT OF ANY DISCREPANCIES AND/OR ERRORS FOUND IN THE DRAWINGS, OR IF PROBLEMS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL BE REQUIRED TO NOTIFY THE ENGINEER IN WRITING BEFORE PROCEEDING WITH THE WORK. IF ENGINEER IS NOT NOTIFIED, THE CONTRACTOR SHALL TAKE RESPONSIBILITY FOR THE COST OF ANY REVISIONS.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILIZATION OF AND THE MAINTENANCE OF ALL ACCESS AND HAUL ROUTES. ALL ACCESS AND HAUL ROUTES SHALL BE RETURNED TO THEIR ORIGINAL CONDITION, OR LEFT AS DESIRED BY THE OWNER, PRIOR TO FINAL ACCEPTANCE OF THE PROJECT.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY EXISTING PAVEMENTS, ON OR OFF THE AIRPORT PROPERTY, WHICH BECOME DAMAGED BY CONSTRUCTION TRAFFIC.

11. THESE NOTES ARE INTENDED TO SUPPLEMENT PROJECT SPECIFICATIONS AND IN NO WAY INVALIDATE SPECIFICATIONS PROVIDED IN OTHER BID DOCUMENTS (GENERAL OR SPECIFIC REQUIREMENTS).

12. SURPLUS MATERIAL NOT RETAINED BY THE AIRPORT AND NOT REQUIRED FOR SITE CONSTRUCTION SHALL BE DISPOSED OF BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.

13. COORDINATE ALL WORK WITH THE AIRPORT MANAGER.

14. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO CONTROL EROSION AND WATER POLLUTION THROUGH THE CONSTRUCTION PERIOD. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE IN PLACE BEFORE EARTH MOVING OPERATIONS BEGIN.

15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL REQUIRED PERMITS INCLUDING, BUT NOT LIMITED TO, NPDES PERMITS. ALL EROSION CONTROL REPORTING AND COMPLIANCE WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO COST TO THE OWNER.

16. THE CONTRACTOR SHALL SCHEDULE INSPECTIONS AND TESTS A MINIMUM OF 48 HOURS IN ADVANCE EXCEPT AS OTHERWISE APPROVED BY THE ENGINEER.

17. A COMPLETE SET OF AS-BUILT DRAWINGS WILL BE REQUIRED AT THE COMPLETION OF THIS PROJECT.

18. ANY ITEM OR ELEMENT OF WORK THAT DOES NOT HAVE A SPECIFIC PAY ITEM (SUCH AS BARRICADES, RADIOS, RESTORATION OF HAUL ROUTES, ETC.) SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE PAYMENT WILL BE MADE.

19. NO FIELD CHANGES OR DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS SHALL BE MADE WITHOUT PRIOR APPROVAL FROM THE ENGINEER AND THE OWNER.

BARGE DESIGN SOLUTIONS
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JEREMY O. GREEN
REGISTERED ENGINEER
No. 121991
STATE OF TENNESSEE
5/22/19

GENERAL NOTES

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
WEST TENNESSEE AIRPORTS
WEST TENNESSEE

REV.	DR.	CHK.	DATE	REVISION INFORMATION DESCRIPTION
	JKB	JDG	04/26/2019	ISSUED FOR 90% REVIEW
	JAC	JDG	05/22/2019	ISSUED FOR BID

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FILE NO. 36821-03

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BEECH RIVER REGIONAL AIRPORT, PVE

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
(1) C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	2,700
P-101-5.3	AIRFIELD PAVEMENT MARKING REMOVAL	SF	500
P-605-5.1	JOINT SEALING FILLER	LF	1,500
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	8,200
P-620-5.2	TEMPORARY YELLOW PAINT	SF	500
P-620-5.4	YELLOW PAINT WITH REFLECTIVE MEDIA	SF	500
P-620-5.5	BLACK PAINT WITH REFLECTIVE MEDIA	SF	150

CARROLL COUNTY AIRPORT, HZD

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
(1) C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	30,100
P-101-5.2	CRACK REPAIR (TYPE II)	LF	600
P-101-5.3	AIRFIELD PAVEMENT MARKING REMOVAL	SF	56,500
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	80,500
P-620-5.1	TEMPORARY WHITE PAINT	SF	25,410
P-620-5.2	TEMPORARY YELLOW PAINT	SF	2,450
P-620-5.3	WHITE PAINT WITH REFLECTIVE MEDIA	SF	25,410
P-620-5.4	YELLOW PAINT WITH REFLECTIVE MEDIA	SF	2,450

CENTERVILLE MUNICIPAL AIRPORT, GHM

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
(1) C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	21,000
P-101-5.2	CRACK REPAIR (TYPE II)	LF	300
P-101-5.3	AIRFIELD PAVEMENT MARKING REMOVAL	SF	11,330
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	24,300
P-620-5.1	TEMPORARY WHITE PAINT	SF	10,400
P-620-5.2	TEMPORARY YELLOW PAINT	SF	1,820
P-620-5.3	WHITE PAINT WITH REFLECTIVE MEDIA	SF	10,400
P-620-5.4	YELLOW PAINT WITH REFLECTIVE MEDIA	SF	1,820

CHARLES W. BAKER AIRPORT, 2M8

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
(1) C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	30,900
P-101-5.2	CRACK REPAIR (TYPE II)	LF	200
P-101-5.3	AIRFIELD PAVEMENT MARKING REMOVAL	SF	50,600
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	89,700
P-620-5.1	TEMPORARY WHITE PAINT	SF	34,500
P-620-5.2	TEMPORARY YELLOW PAINT	SF	5,200
P-620-5.3	WHITE PAINT WITH REFLECTIVE MEDIA	SF	34,500
P-620-5.4	YELLOW PAINT WITH REFLECTIVE MEDIA	SF	5,200

DICKSON MUNICIPAL AIRPORT, M02 (ALTERNATE)

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
(1) C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	21,900
P-101-5.3	AIRFIELD PAVEMENT MARKING REMOVAL	SF	54,900
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	72,000
P-620-5.1	TEMPORARY WHITE PAINT	SF	34,600
P-620-5.2	TEMPORARY YELLOW PAINT	SF	5,200
P-620-5.3	WHITE PAINT WITH REFLECTIVE MEDIA	SF	34,600
P-620-5.4	YELLOW PAINT WITH REFLECTIVE MEDIA	SF	5,200

DYERSBURG REGIONAL AIRPORT, DYR

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
(1) C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	46,100
P-101-5.3	AIRFIELD PAVEMENT MARKING REMOVAL	SF	56,900
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	95,800
P-620-5.1	TEMPORARY WHITE PAINT	SF	34,750
P-620-5.2	TEMPORARY YELLOW PAINT	SF	5,100
P-620-5.3	WHITE PAINT WITH REFLECTIVE MEDIA	SF	34,750
P-620-5.4	YELLOW PAINT WITH REFLECTIVE MEDIA	SF	5,100

EVERETT STEWART REGIONAL AIRPORT, UCY

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
(1) C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	91,000
P-101-5.3	AIRFIELD PAVEMENT MARKING REMOVAL	SF	95,200
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	114,000
P-620-5.1	TEMPORARY WHITE PAINT	SF	87,800
P-620-5.2	TEMPORARY YELLOW PAINT	SF	7,400
P-620-5.3	WHITE PAINT WITH REFLECTIVE MEDIA	SF	87,800
P-620-5.4	YELLOW PAINT WITH REFLECTIVE MEDIA	SF	7,400

GENERAL DEWITT SPAIN AIRPORT, M01

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	28,200
P-101-5.3	AIRFIELD PAVEMENT MARKING REMOVAL	SF	2,700
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	20,200
P-620-5.2	TEMPORARY YELLOW PAINT	SF	3,300
P-620-5.4	YELLOW PAINT WITH REFLECTIVE MEDIA	SF	3,300

HASSELL FIELD AIRPORT, M29

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
(1) C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	16,500
P-101-5.3	AIRFIELD PAVEMENT MARKING REMOVAL	SF	39,200
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	36,200
P-620-5.1	TEMPORARY WHITE PAINT	SF	26,200
P-620-5.2	TEMPORARY YELLOW PAINT	SF	275
P-620-5.3	WHITE PAINT WITH REFLECTIVE MEDIA	SF	26,200
P-620-5.4	YELLOW PAINT WITH REFLECTIVE MEDIA	SF	275

HENRY COUNTY AIRPORT, PHT

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
(1) C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	13,700
P-101-5.3	AIRFIELD PAVEMENT MARKING REMOVAL	SF	55,800
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	103,400
P-620-5.1	TEMPORARY WHITE PAINT	SF	36,250
P-620-5.2	TEMPORARY YELLOW PAINT	SF	4,800
P-620-5.3	WHITE PAINT WITH REFLECTIVE MEDIA	SF	36,250
P-620-5.4	YELLOW PAINT WITH REFLECTIVE MEDIA	SF	4,800

HOUSTON COUNTY AIRPORT, M93 (ALTERNATE)

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
(1) C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	7,900
P-101-5.2	CRACK REPAIR (TYPE II)	LF	100
P-101-5.3	AIRFIELD PAVEMENT MARKING REMOVAL	SF	29,320
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	26,200
P-620-5.1	TEMPORARY WHITE PAINT	SF	3,120
P-620-5.2	TEMPORARY YELLOW PAINT	SF	300
P-620-5.3	WHITE PAINT WITH REFLECTIVE MEDIA	SF	3,120
P-620-5.4	YELLOW PAINT WITH REFLECTIVE MEDIA	SF	300

HUMPHREYS COUNTY AIRPORT, 0M5

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
(1) C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	25,000
P-101-5.2	CRACK REPAIR (TYPE II)	LF	1,100
P-101-5.3	AIRFIELD PAVEMENT MARKING REMOVAL	SF	37,700
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	49,700
P-620-5.1	TEMPORARY WHITE PAINT	SF	24,200
P-620-5.2	TEMPORARY YELLOW PAINT	SF	1,500
P-620-5.3	WHITE PAINT WITH REFLECTIVE MEDIA	SF	24,200
P-620-5.4	YELLOW PAINT WITH REFLECTIVE MEDIA	SF	1,500

JOHN A. BAKER FIELD AIRPORT, 0M3 (ALTERNATE)

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
(1) C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	900
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	19,800

MCKELLAR-SIPES REGIONAL AIRPORT, MKL

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
(1) C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	158,000
P-101-5.3	AIRFIELD PAVEMENT MARKING REMOVAL	SF	31,300
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	118,000
P-620-5.1	TEMPORARY WHITE PAINT	SF	74,500
P-620-5.2	TEMPORARY YELLOW PAINT	SF	19,600
P-620-5.3	WHITE PAINT WITH REFLECTIVE MEDIA	SF	74,500
P-620-5.4	YELLOW PAINT WITH REFLECTIVE MEDIA	SF	19,600
P-620-5.5	BLACK PAINT WITH REFLECTIVE MEDIA	SF	14,900
P-620-5.6	RED PAINT WITH REFLECTIVE MEDIA	SF	2,900

MILLINGTON-MEMPHIS AIRPORT, NQA (ALTERNATE)

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
(1) C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	32,200
P-101-5.3	AIRFIELD PAVEMENT MARKING REMOVAL	SF	43,300
P-605-5.1	JOINT SEALING FILLER	LF	522,500
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	70,130
P-620-5.1	TEMPORARY WHITE PAINT	SF	400
P-620-5.2	TEMPORARY YELLOW PAINT	SF	10,150
P-620-5.3	WHITE PAINT WITH REFLECTIVE MEDIA	SF	400
P-620-5.4	YELLOW PAINT WITH REFLECTIVE MEDIA	SF	10,150
P-620-5.5	BLACK PAINT WITH REFLECTIVE MEDIA	SF	8,950
P-620-5.6	RED PAINT WITH REFLECTIVE MEDIA	SF	1,100

PERRY COUNTY AIRPORT, M15

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
(1) C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	52,900
P-101-5.2	CRACK REPAIR (TYPE II)	LF	900
P-101-5.3	AIRFIELD PAVEMENT MARKING REMOVAL	SF	29,400
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	39,000
P-620-5.1	TEMPORARY WHITE PAINT	SF	17,800
P-620-5.2	TEMPORARY YELLOW PAINT	SF	850
P-620-5.3	WHITE PAINT WITH REFLECTIVE MEDIA	SF	17,800
P-620-5.4	YELLOW PAINT WITH REFLECTIVE MEDIA	SF	850

ROBERT SIBLEY AIRPORT, SZY

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
(1) C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	22,000
P-101-5.3	AIRFIELD PAVEMENT MARKING REMOVAL	SF	1,500
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	15,000
P-620-5.2	TEMPORARY YELLOW PAINT	SF	2,050
P-620-5.4	YELLOW PAINT WITH REFLECTIVE MEDIA	SF	2,050

WILLIAM L. WHITEHURST FIELD AIRPORT, M08

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
(1) C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	20,500
P-101-5.3	AIRFIELD PAVEMENT MARKING REMOVAL	SF	39,700
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	44,700
P-620-5.1	TEMPORARY WHITE PAINT	SF	24,700
P-620-5.2	TEMPORARY YELLOW PAINT	SF	2,375
P-620-5.3	WHITE PAINT WITH REFLECTIVE MEDIA	SF	24,700
P-620-5.4	YELLOW PAINT WITH REFLECTIVE MEDIA	SF	2,375

NOTE

(1) MOBILIZATION COSTS SHALL BE LIMITED TO 10 (TEN) PERCENT OF TOTAL CONSTRUCTION COSTS PER FAA AC 150/5370-10H, ITEM C-105, 105-2 MOBILIZATION LIMIT.

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JEREMY O. GREEN — REGISTERED ENGINEER — No. 121191 — STATE OF TENNESSEE
5/22/19

SCHEDULE OF QUANTITIES

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
WEST TENNESSEE AIRPORTS
WEST TENNESSEE

REV.	DR.	CHK.	DATE	REVISION INFORMATION / DESCRIPTION
	JKB	JOG	04/26/2019	ISSUED FOR 90% REVIEW
	JAC	JOG	05/22/2019	ISSUED FOR BID

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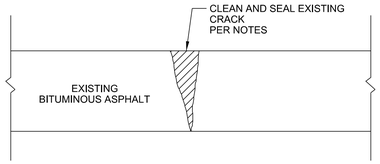
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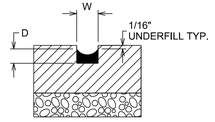
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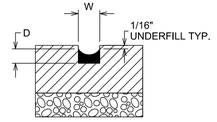
SEE REPAIR PROCEDURE NOTES 5, 6, & 7





CRACKS GREATER THAN 1/8" AND LESS THAN OR EQUAL TO 1"

CRACK REPAIR - TYPE I



CRACKS GREATER THAN 1" AND LESS THAN OR EQUAL TO 1.5"

CRACK REPAIR - TYPE II

WEATHER AND TEMPERATURE REQUIREMENTS

1. DO NOT BEGIN CRACK REPAIR DURING INCLEMENT WEATHER.
2. THE PAVEMENT TEMPERATURE SHOULD BE 50 DEGREE FAHRENHEIT AND RISING OR MEET THE MANUFACTURER'S RECOMMENDATIONS AT THE TIME OF APPLICATION OF THE CRACK SEALING MATERIAL.
3. DO NOT APPLY SEALANT IF MOISTURE IS OBSERVED IN THE CRACK.

PREPARATION

TO CHOOSE SEALANT:

1. CONSIDER YOUR GEOGRAPHIC AREA, CLIMATE, AND PAST PERFORMANCE OF THE SEALANT.
2. HOT-APPLIED SEALANTS MUST MEET THE REQUIREMENTS OF ASTM D6690.

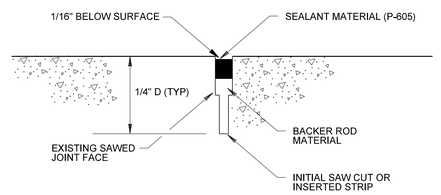
REPAIR PROCEDURE

1. REVIEW THE CONSTRUCTION SAFETY AND PHASING PLAN (CSPP). ENSURE ALL PAVEMENT CLOSURES HAVE ALL REQUIRED ITEMS IN PLACE, SUCH AS LIGHTED Xs, BARRICADES, SIGNS, ETC.; AND ALL NOTAMS HAVE BEEN ISSUED FOR AFFECTED AREAS OF THE AIRFIELD.
2. MARK THE LIMITS OF THE CRACK REPAIR.
3. USE AN AIR COMPRESSOR WITH AN OPERABLE OIL AND WATER TRAP TO CLEAN ALL CRACKS WITH COMPRESSED HOT AIR. THE CRACKS SHALL BE THOROUGHLY CLEANED AND DRIED OF ORGANIC AND / OR FOREIGN MATERIAL BEFORE BEING FILLED FLUSH WITH THE ASPHALT OR SEALANT; IN THE EVENT THE MATERIAL IS EASILY REMOVED, POST- INSTALLATION, IT WILL BE ASSUMED THE CRACKS WERE NOT PROPERLY CLEANED OF LOOSE MATERIAL PRIOR TO FILL APPLICATION.

REPAIR PROCEDURE CONTINUED

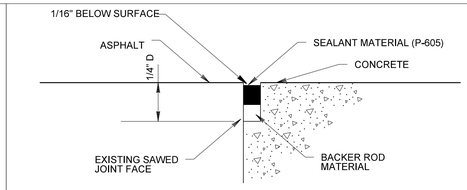
4. PRE - EMERGENT HERBICIDE APPLIED TO THE CRACKS PRIOR TO FILLING SHALL BE GOWAN COMPANY'S BETASAN, DOW AGROSCIENCES TREFLAN, OR APPROVED EQUAL.
5. IF NECESSARY, SAW OR ROUT THE CRACKS TO THE REQUIRED WIDTH AND DEPTH. USE THE SEALANT MANUFACTURER'S SPECIFICATIONS TO DETERMINE THE SEALANT RESERVOIR DIMENSIONS (W x D). SAW CUTTING AND ROUTING SHALL BE CONSIDERED INCIDENTAL TO PAY ITEM P-101.
6. INSPECT THE CRACKS FOR PROPER WIDTH, DEPTH, ALIGNMENT, AND PREPARATION. MAKE SURE THE CRACK SURFACE FACES ARE DRY.
7. TO OBTAIN THE WIDTH AND DEPTH RATIO REQUIRED BY THE SEALANT MANUFACTURER'S SPECIFICATIONS MAY REQUIRE INSTALLATION OF BACKER ROD. THE BACKER ROD SHALL BE CONSIDERED INCIDENTAL TO PAY ITEM P-101. MAKE SURE THE BACKER ROD:
   - MEETS THE REQUIREMENTS OF ASTM D5249
   - IS COMPATIBLE WITH THE SEALANT
   - IS 25% LARGER IN DIAMETER THAN THE WIDTH OF THE SEALANT RESERVOIR
8. SEALANT MATERIAL SHALL BE PLACED WITHIN 24 HOURS OF SAW CUTTING OR ROUTING.
9. APPLY THE SEALANT UNIFORMLY FROM THE BOTTOM TO THE TOP OF THE CRACK AVOIDING VOIDS OR ENTRAPPING AIR.
10. MAKE SURE THE SURFACE OF THE SEALANT REMAINS 1/4 INCH TO 3/8 INCH BELOW THE EXISTING PAVEMENT SURFACE.
11. DO NOT ALLOW TRAFFIC UNTIL THE SEALANTS HAVE CURED.
12. COMPLETELY CLEAN THE WORK AREA BEFORE OPENING TO AIRCRAFT TRAFFIC. ANY EXCESS CRACK SEALER ON THE SURFACE OF THE PAVEMENT SHALL ALSO BE REMOVED FROM THE PAVEMENT SURFACE.

1 / C0.04 PROCEDURE FOR CRACK REPAIR OF FLEXIBLE PAVEMENT
SCALE: N.T.S.



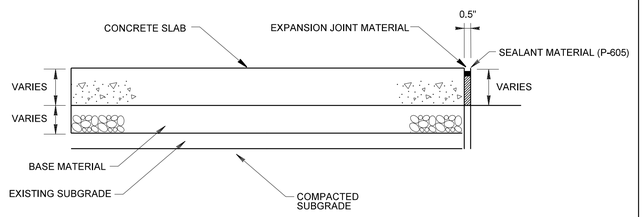
NOTES:
1. SEALANT MATERIAL SHALL BE FUEL RESISTANT. THIS COST IS INCIDENTAL TO ITEM P-605-5.1

3 / C0.04 TYPE E - SAW CUT CONTRACTION JOINTS
SCALE: N.T.S.

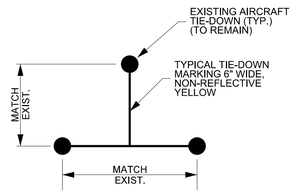


NOTES:
1. SEALANT MATERIAL SHALL BE FUEL RESISTANT. THIS COST IS INCIDENTAL TO ITEM P-605-5.1.

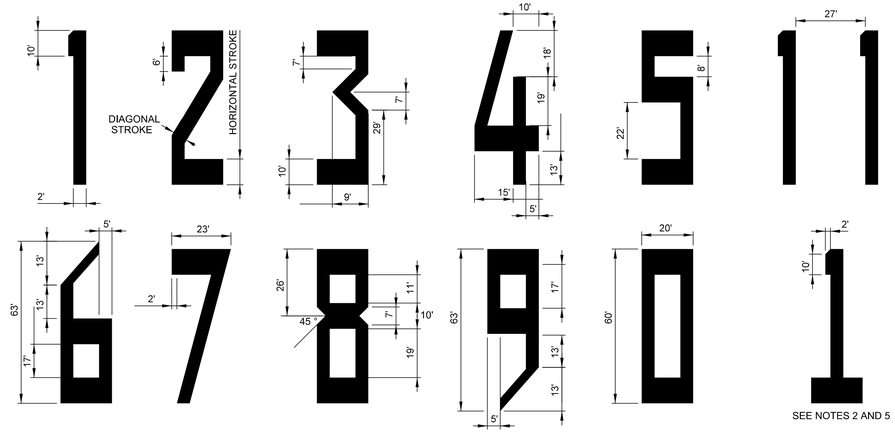
4 / C0.04 CONCRETE - ASPHALT JOINT
SCALE: N.T.S.



5 / C0.04 TYPE B - EXPANSION JOINT
SCALE: N.T.S.

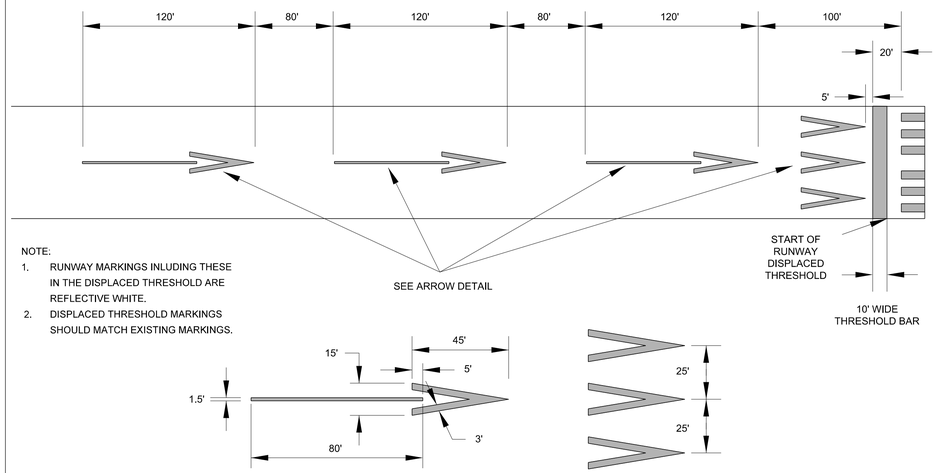


6 / C0.04 APRON TIE-DOWN LAYOUT
SCALE: N.T.S.



NOTES:
1. DIMENSIONS ARE EXPRESSED IN FEET.
2. ALL CHARACTERS HAVE THESE CHARACTERISTICS (UNLESS OTHERWISE SPECIFIED)
   - 60' HIGH
   - 20' WIDE
   - VERTICAL STROKE OF 5'
   - HORIZONTAL STROKE OF 10'
   - DIAGONAL STROKE OF 5'
3. ALL NUMERALS EXCEPT THE NUMER ELEVEN (11) ARE HORIZONTALLY SPACED 15' APART. THE NUMBER ELEVEN (11) IS SPACED 27' APART HORIZONTALLY.
4. SINGLE DIGITS MUST NOT BE PRECEDED BY ZERO (0).
5. THE NUMERAL "1" (ONE), WHEN USED ALONE, CONTAINS A HORIZONTAL STROKE, AS SHOWN, TO DIFFERENTIATE IT FROM THE RUNWAY CENTERLINE MARKING.
6. SINGLE DESIGNATORS ARE CENTERED ABOUT THE RUNWAY PAVEMENT CENTERLINE. FOR DOUBLE DESIGNATIONS, THE CENTER OF THE OUTER EDGES OF THE TWO NUMERALS IS CENTERED ON THE RUNWAY PAVEMENT CENTERLINE.
7. WHERE THE RUNWAY DESIGNATION CONSISTS OF A NUMBER AND A LETTER, THE NUMBER AND LETTER ARE LOCATED ON THE RUNWAY CENTERLINE IN A STACKED ARRANGEMENT AS SHOWN IN FIGURE A-1 IN FAA AC 150-5340 1M.

2 / C0.04 RUNWAY NUMERAL DETAILS
SCALE: N.T.S.



NOTE:
1. RUNWAY MARKINGS INLUDING THESE IN THE DISPLACED THRESHOLD ARE REFLECTIVE WHITE.
2. DISPLACED THRESHOLD MARKINGS SHOULD MATCH EXISTING MARKINGS.

7 / C0.04 DISPLACED THRESHOLD DETAIL (FOR REFERENCE ONLY)
SCALE: N.T.S.

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5/22/19

CIVIL & RUNWAY NUMERAL MARKING DETAILS

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
WEST TENNESSEE AIRPORTS
WEST TENNESSEE

REV.	DR.	CHK.	DATE	REVISION INFORMATION DESCRIPTION
	JKB	JDG	04/26/2019	ISSUED FOR 90% REVIEW
	JAC	JDG	05/22/2019	ISSUED FOR BID

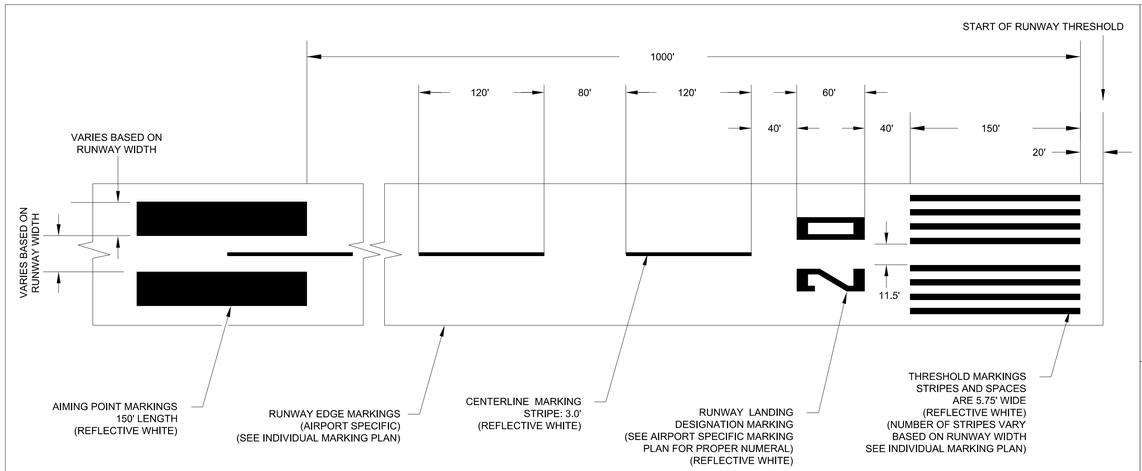
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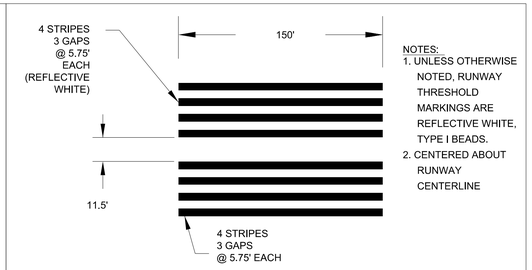
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NOTES:

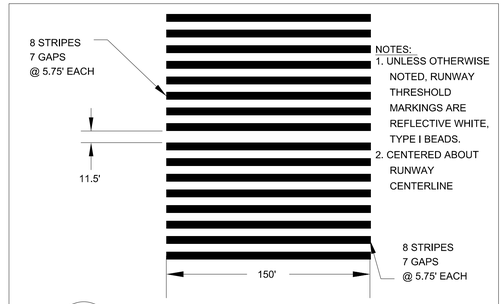
1. DIMENSIONS ARE EXPRESSED IN FEET.
2. ALL NUMERALS ARE HORIZONTALLY SPACED 15' APART.
3. SINGLE DESIGNATIONS ARE CENTERED ON THE RUNWAY PAVEMENT CENTERLINE. FOR DOUBLE DESIGNATIONS, THE CENTER OF THE OUTER EDGES OF THE TWO NUMERALS IS CENTERED ON THE RUNWAY PAVEMENT CENTERLINE.

1 / C0.05 — PRECISION RUNWAY MARKINGS - GENERAL
SCALE: N.T.S.



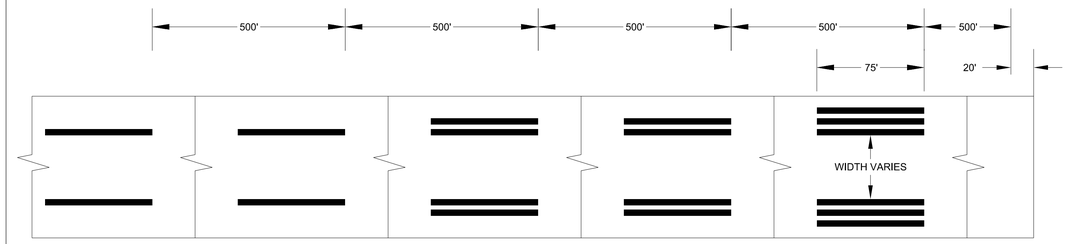
NOTES:
1. UNLESS OTHERWISE NOTED, RUNWAY THRESHOLD MARKINGS ARE REFLECTIVE WHITE, TYPE I BEADS.
2. CENTERED ABOUT RUNWAY CENTERLINE

2 / C0.05 — THRESHOLD MARKING - 100' RUNWAY WIDTH
SCALE: N.T.S.

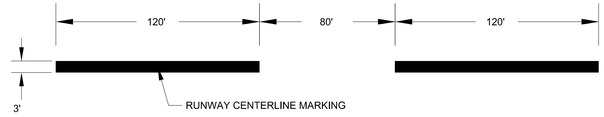


NOTES:
1. UNLESS OTHERWISE NOTED, RUNWAY THRESHOLD MARKINGS ARE REFLECTIVE WHITE, TYPE I BEADS.
2. CENTERED ABOUT RUNWAY CENTERLINE

3 / C0.05 — THRESHOLD MARKING - 200' RUNWAY WIDTH
SCALE: N.T.S.

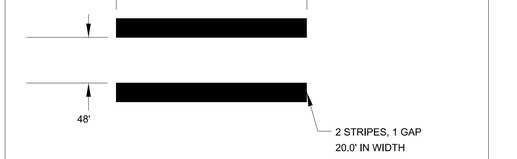


4 / C0.05 — TOUCHDOWN ZONE MARKING - GENERAL
N.T.S.



NOTES:
1. UNLESS OTHERWISE NOTED, RUNWAY CENTERLINE MARKINGS ARE REFLECTIVE WHITE, TYPE I BEADS.
2. ADJUSTMENTS TO RUNWAY CENTERLINE STRIPES AND GAPS ARE MADE NEAR THE RUNWAY MIDPOINT. SEE AIRFIELD MARKING PLANS FOR INSTRUCTIONS.

5 / C0.05 — RUNWAY CENTERLINE MARKINGS
N.T.S.



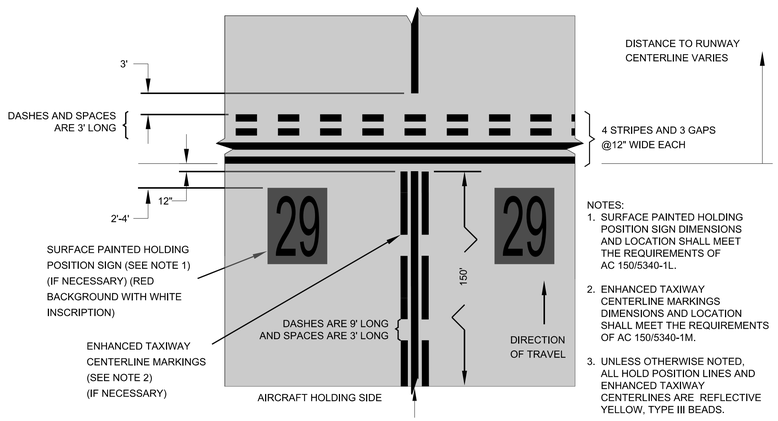
NOTES:
1. UNLESS OTHERWISE NOTED, RUNWAY AIMING POINT MARKINGS ARE REFLECTIVE WHITE, TYPE I BEADS.
2. CENTERED ABOUT RUNWAY CENTERLINE

6 / C0.05 — RUNWAY AIMING POINT MARKING - 100 RUNWAY WIDTH
N.T.S.



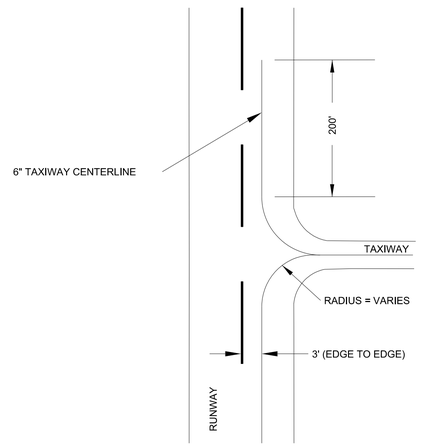
NOTES:
1. UNLESS OTHERWISE NOTED, RUNWAY AIMING POINT MARKINGS ARE REFLECTIVE WHITE, TYPE I BEADS.
2. CENTERED ABOUT RUNWAY CENTERLINE

7 / C0.05 — RUNWAY AIMING POINT MARKING - 200' RUNWAY WIDTH
N.T.S.

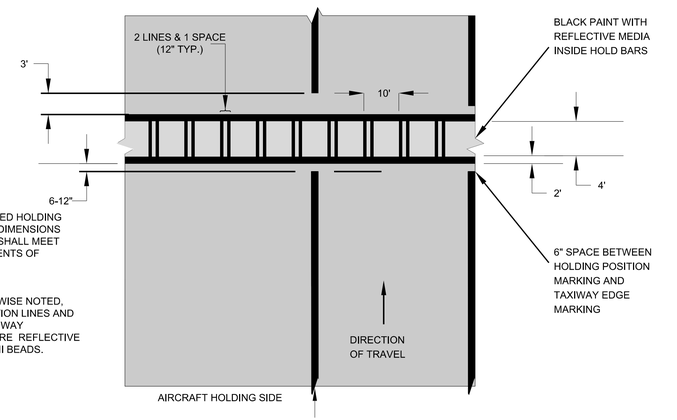


NOTES:
1. SURFACE PAINTED HOLDING POSITION SIGN DIMENSIONS AND LOCATION SHALL MEET THE REQUIREMENTS OF AC 150/5340-1L.
2. ENHANCED TAXIWAY CENTERLINE MARKINGS DIMENSIONS AND LOCATION SHALL MEET THE REQUIREMENTS OF AC 150/5340-1M.
3. UNLESS OTHERWISE NOTED, ALL HOLD POSITION LINES AND ENHANCED TAXIWAY CENTERLINES ARE REFLECTIVE YELLOW, TYPE III BEADS.

8 / C0.05 — RUNWAY HOLDING POSTION AND ENHANCED TAXIWAY CENTERLINE MARKINGS
SCALE: N.T.S.



9 / C0.05 — TAXIWAY MARKING
N.T.S.



NOTES:
1. SURFACE PAINTED HOLDING POSITION SIGN DIMENSIONS AND LOCATION SHALL MEET THE REQUIREMENTS OF AC 150/5340-1M.
2. UNLESS OTHERWISE NOTED, ALL HOLD POSITION LINES AND ENHANCED TAXIWAY CENTERLINES ARE REFLECTIVE YELLOW, TYPE III BEADS.

10 / C0.05 — ILS/MLS HOLDING POSITION MARKING
SCALE: N.T.S.

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5/22/19

PRECISION RUNWAY MARKING DETAILS

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
WEST TENNESSEE AIRPORTS
WEST TENNESSEE

REV.	DR.	CHK.	DATE	REVISION INCORPORATION / ISSUE DESCRIPTION
	JKB	JDG	04/26/2019	ISSUED FOR 90% REVIEW
	JAC	JDG	05/22/2019	ISSUED FOR BID

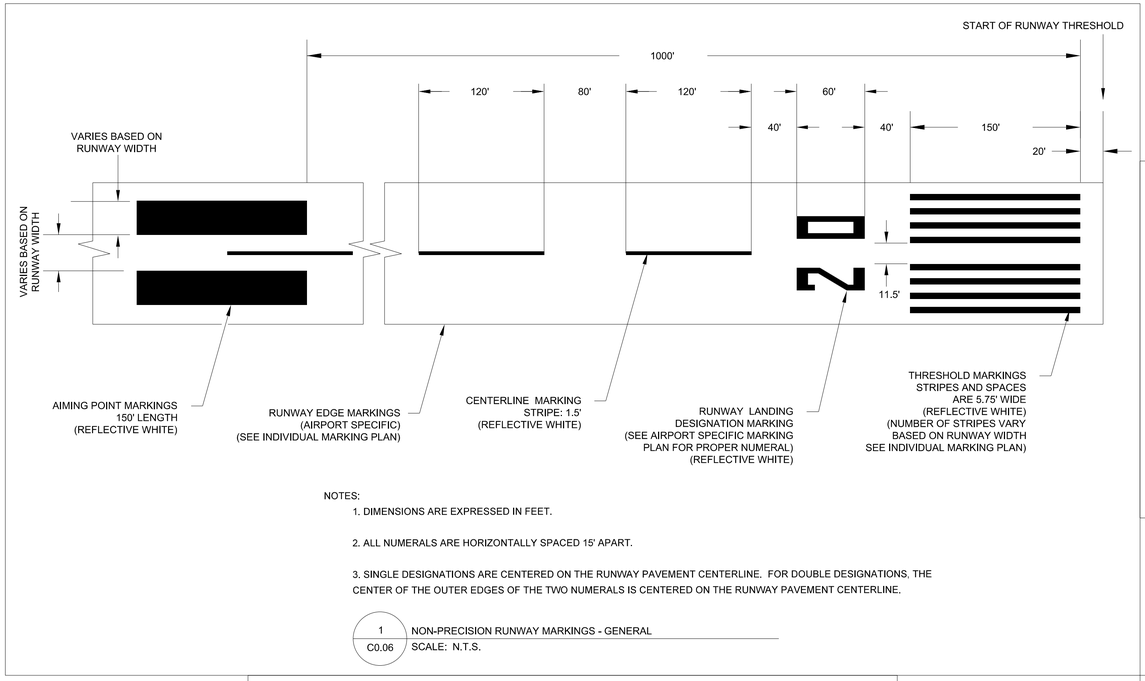
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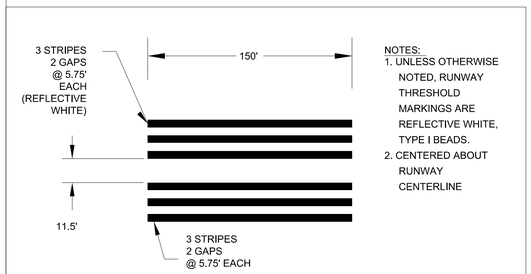
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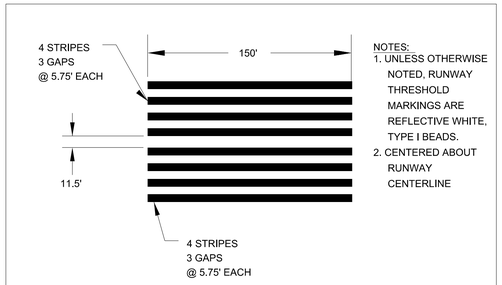
1. DIMENSIONS ARE EXPRESSED IN FEET.
2. ALL NUMERALS ARE HORIZONTALLY SPACED 15' APART.
3. SINGLE DESIGNATIONS ARE CENTERED ON THE RUNWAY PAVEMENT CENTERLINE. FOR DOUBLE DESIGNATIONS, THE CENTER OF THE OUTER EDGES OF THE TWO NUMERALS IS CENTERED ON THE RUNWAY PAVEMENT CENTERLINE.

1 / C0.06 — NON-PRECISION RUNWAY MARKINGS - GENERAL
SCALE: N.T.S.



NOTES:
1. UNLESS OTHERWISE NOTED, RUNWAY THRESHOLD MARKINGS ARE REFLECTIVE WHITE, TYPE I BEADS.
2. CENTERED ABOUT RUNWAY CENTERLINE

2 / C0.06 — THRESHOLD MARKING - 75' RUNWAY WIDTH
SCALE: N.T.S.



NOTES:
1. UNLESS OTHERWISE NOTED, RUNWAY THRESHOLD MARKINGS ARE REFLECTIVE WHITE, TYPE I BEADS.
2. CENTERED ABOUT RUNWAY CENTERLINE

3 / C0.06 — THRESHOLD MARKING - 100' RUNWAY WIDTH
N.T.S.

NOTES:
1. UNLESS OTHERWISE NOTED, RUNWAY CENTERLINE MARKINGS ARE REFLECTIVE WHITE, TYPE I BEADS.
2. ADJUSTMENTS TO RUNWAY CENTERLINE STRIPES AND GAPS ARE MADE NEAR THE RUNWAY MIDPOINT. SEE AIRFIELD MARKING PLANS FOR INSTRUCTIONS.

4 / C0.06 — RUNWAY CENTERLINE MARKINGS
N.T.S.

NOTES:
1. UNLESS OTHERWISE NOTED, RUNWAY AIMING POINT MARKINGS ARE REFLECTIVE WHITE, TYPE I BEADS.
2. CENTERED ABOUT RUNWAY CENTERLINE
3. MARKING LENGTH CAN BE 100' IF RUNWAY LENGTH IS LESS THAN 4,200 LINEAR FEET.

5 / C0.06 — RUNWAY AIMING POINT MARKING - 75' RUNWAY WIDTH
N.T.S.

NOTES:
1. UNLESS OTHERWISE NOTED, RUNWAY AIMING POINT MARKINGS ARE REFLECTIVE WHITE, TYPE I BEADS.
2. CENTERED ABOUT RUNWAY CENTERLINE
3. MARKING LENGTH CAN BE 100' IF RUNWAY LENGTH IS LESS THAN 4,200 LINEAR FEET.

6 / C0.06 — RUNWAY AIMING POINT MARKING - 100' RUNWAY WIDTH
N.T.S.

NOTE:
1. UNLESS OTHERWISE NOTED, ALL HOLD POSITION LINES ARE REFLECTIVE YELLOW, TYPE III BEADS.

7 / C0.06 — RUNWAY HOLDING POSTION MARKING
SCALE: N.T.S.

8 / C0.06 — TAXIWAY MARKING
N.T.S.

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5/22/19

NON-PRECISION RUNWAY MARKING DETAILS

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
WEST TENNESSEE AIRPORTS
WEST TENNESSEE

REV.	DR.	CHK	DATE	REVISION INFORMATION DESCRIPTION
	JKB	JDG	04/26/2019	ISSUED FOR 90% REVIEW
	JAC	JDG	05/22/2019	ISSUED FOR BID

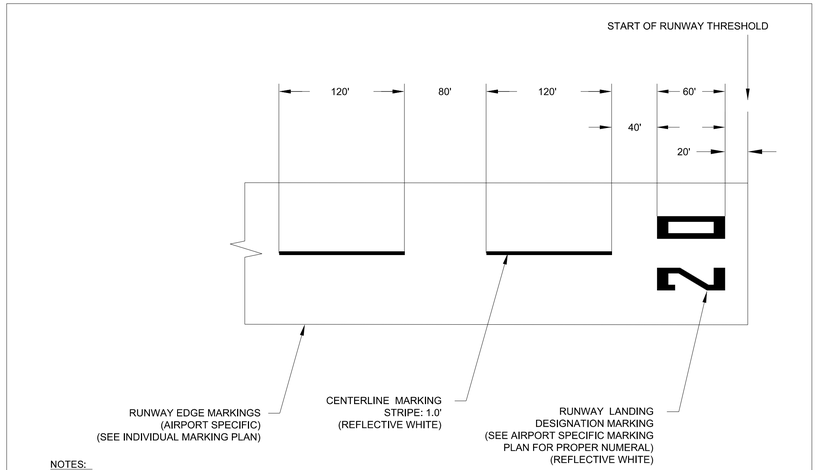
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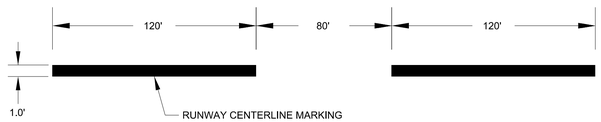
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NOTES:

1. DIMENSIONS ARE EXPRESSED IN FEET.
2. ALL NUMERALS ARE HORIZONTALLY SPACED 15' APART.
3. SINGLE DESIGNATIONS ARE CENTERED ON THE RUNWAY PAVEMENT CENTERLINE. FOR DOUBLE DESIGNATIONS, THE CENTER OF THE OUTER EDGES OF THE TWO NUMERALS IS CENTERED ON THE RUNWAY PAVEMENT CENTERLINE.

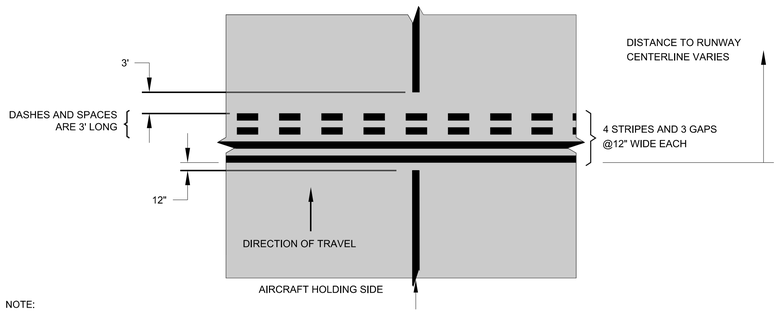
1 / C0.07 — VISUAL RUNWAY MARKINGS - GENERAL
SCALE: N.T.S.



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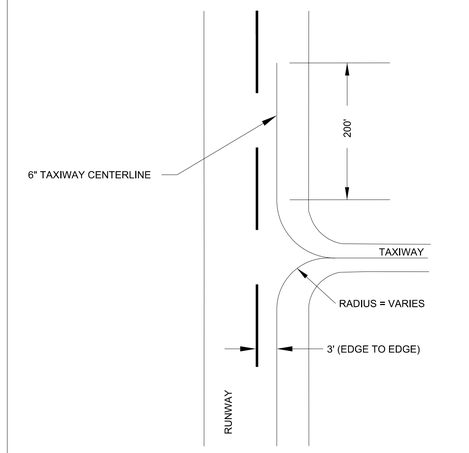
1. UNLESS OTHERWISE NOTED, RUNWAY CENTERLINE MARKINGS ARE REFLECTIVE WHITE, TYPE I BEADS.
2. ADJUSTMENTS TO RUNWAY CENTERLINE STRIPES AND GAPS ARE MADE NEAR THE RUNWAY MIDPOINT. SEE AIRFIELD MARKING PLANS FOR INSTRUCTIONS.

3 / C0.07 — RUNWAY CENTERLINE MARKINGS
N.T.S.



NOTE:
1. UNLESS OTHERWISE NOTED, ALL HOLD POSITION LINES ARE REFLECTIVE YELLOW, TYPE III BEADS.

4 / C0.07 — RUNWAY HOLDING POSTION MARKING
SCALE: N.T.S.



5 / C0.07 — TAXIWAY MARKING
N.T.S.

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5/22/19

VISUAL RUNWAY MARKING DETAILS

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
WEST TENNESSEE AIRPORTS
WEST TENNESSEE

REV.	DR.	CHK.	DATE	REVISION INFORMATION
	JKB	JDG	04/26/2019	ISSUED FOR 90% REVIEW
	JAC	JDG	05/22/2019	ISSUED FOR BID

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CONSTRUCTION PHASING PLAN

PHASE ONE - TAXIWAY NORTH (3 CALENDAR DAYS)
CONCRETE JOINT REPAIR

PHASE TWO - TAXIWAY SOUTH (2 CALENDAR DAYS)
CONCRETE JOINT REPAIR

PHASE THREE - T-HANGAR AREA (3 CALENDAR DAYS)
CRACK REPAIR, SEAL COAT, REMARKING
*WORK CAN BE COMPLETED DURING ANY PHASE

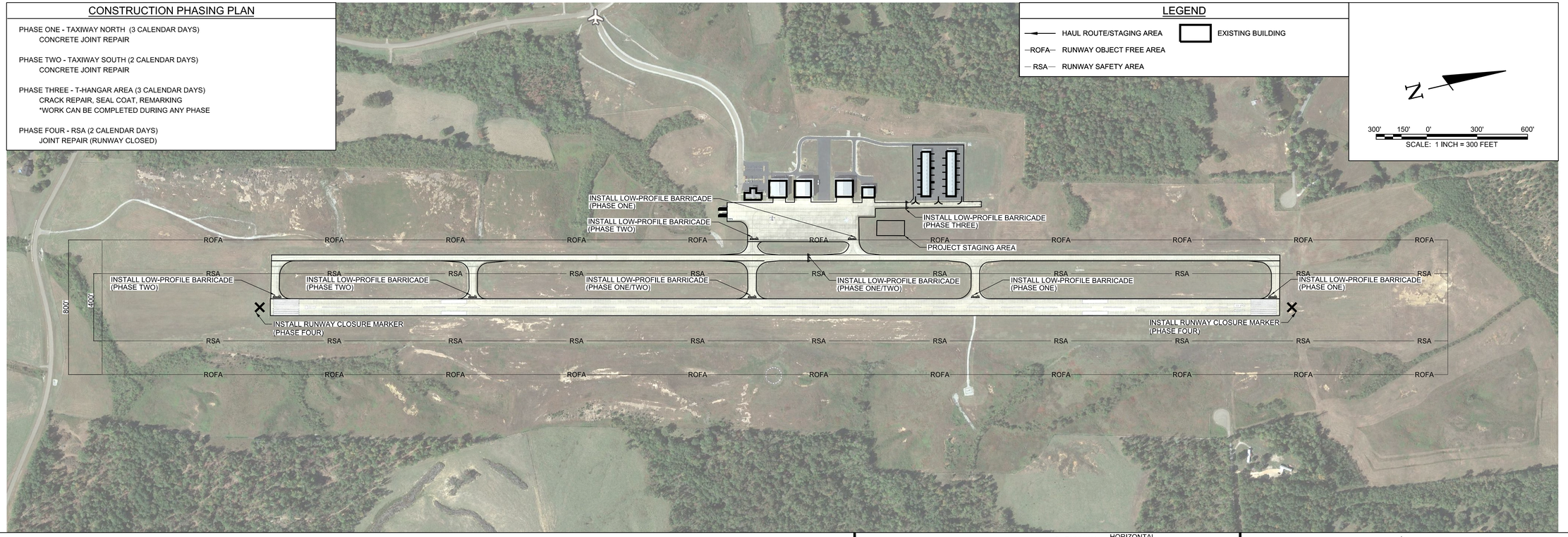
PHASE FOUR - RSA (2 CALENDAR DAYS)
JOINT REPAIR (RUNWAY CLOSED)

LEGEND

HAUL ROUTE/STAGING AREA
EXISTING BUILDING
ROFA RUNWAY OBJECT FREE AREA
RSA RUNWAY SAFETY AREA

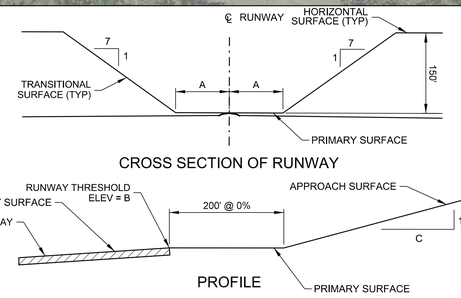
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300' 150' 0' 300' 600'
SCALE: 1 INCH = 300 FEET



CONSTRUCTION SAFETY NOTES

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER AND THE OWNER NOT LESS THAN TWO (2) DAYS PRIOR TO ENTERING THE CONSTRUCTION SITE FOR ANY PURPOSE SO THAT THEY MAY PUBLISH "NOTICES TO AIRMAN" OF THE CONSTRUCTION ACTIVITIES.
2. SUFFICIENT SWEEPERS AND CLEAN UP EQUIPMENT SHALL BE PROVIDED IN ORDER THAT ALL LOOSE MATERIAL, DEBRIS AND MUD CAN BE REMOVED FROM ALL AIRPORT OPERATIONS AREAS ON A CONTINUOUS BASIS.
3. NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR RADIOS, CONSTRUCTION OF AND MAINTENANCE OF HAUL ROUTES AND CONSTRUCTION ENTRANCE, ETC. AS INCLUDED IN THESE NOTES. ALL COSTS ASSOCIATED WITH THESE ITEMS MUST BE INCLUDED IN THE CONTRACT BID PRICES WHICH WOULD MOST LIKELY INCLUDE THEM.
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19. THE CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY REFLECTORIZED SIGNS TO CLEARLY MARK THE DESIGNATED ACCESS ROUTES TO AFFECTED AREAS OF AIRPORT PROPERTY. CONTRACTOR SHALL CONTROL ACCESS TO THE WORKING AREA BY CONSTRUCTION VEHICLES AS DELINEATED ON THIS PLAN.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMING ALL PERSONS UNDER THEIR CONTROL THAT UNAUTHORIZED CONSTRUCTION PERSONNEL FOUND IN RESTRICTED AREAS OF THE AIRPORT SHOWN ON THE SAFETY PLAN ARE SUBJECT TO ARREST FOR A PUNISHABLE FEDERAL OFFENSE AND WILL PROMPTLY AND PERMANENTLY BE REMOVED FROM THE JOB.
21. THE CONTRACTOR SHALL PROVIDE APPROVED FLAGMAN TO CONTROL ALL CONSTRUCTION TRAFFIC AND APPROVED GATE GUARD TO CONTROL ALL CONSTRUCTION TRAFFIC ENTERING PROJECT.
22. CONTRACTOR SHALL CONTROL AND ESCORT ALL CONSTRUCTION TRAFFIC ENTERING AIRPORT TO PREVENT CONFLICTS WITH AIRCRAFT OPERATIONS.
23. SPECIAL ACCESS REQUIREMENTS AND OPERATING LIMITATIONS ARE REQUIRED INSIDE THE SECURITY FENCE. THE CONTRACTOR SHALL DELINEATE WORK LIMITS WITHIN THESE AREAS USING STAKES WITH FLAGGING AS NOTED. CONFINE ALL CONTRACTOR'S PERSONNEL, EQUIPMENT AND MATERIALS INSIDE THE OWNER'S APPROVED WORK LIMITS.
24. THE CONTRACTOR SHALL PERFORM CONSTRUCTION OPERATIONS AS NECESSARY TO MINIMIZE ATTRACTION TO BIRDS CAUSED BY PONDED WATER AND GRASS SEED.
25. THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN FLASHING LIGHTS AND BARRICADES ALONG AIRCRAFT APRON EDGES OR WHERE TEMPORARY PAVEMENT CLOSURES OR AIRCRAFT LIMITATIONS ARE REQUIRED. BARRICADES SHALL BE SPACED NO MORE THAN 8 FEET ON CENTER OR AS NOTED ALONG THE AFFECTED PAVEMENT EDGE OR ACROSS THE PAVEMENT OF A CLOSED TAXIWAY. THE CONTRACTOR SHALL DAILY MAINTAIN THE LIGHTS AND BARRICADES IN AN OPERABLE CONDITION FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL FURNISH THE OWNER A CONTACT NUMBER FOR 24-HOUR MAINTENANCE OF LIGHTS AND BARRICADES. THE COST FOR BARRICADES AND LIGHTS SHALL BE INCIDENTAL TO THE PROJECT.
26. NO CONSTRUCTION TRAFFIC SHALL ENTER OR CROSS ANY ACTIVE AIRPORT OPERATIONAL AREA EXCEPT UPON AUTHORIZATION BY THE OWNER.
27. REFER TO THE GENERAL NOTES FOR REQUIREMENTS PERTAINING TO STORAGE OF CONSTRUCTION EQUIPMENT AND MATERIALS WHEN NOT IN USE.
28. THE CONTRACTOR SHALL COMPLY WITH ALL SECURITY REQUIREMENTS SPECIFIED HEREIN. THE CONTRACTOR SHALL DESIGNATE IN WRITING TO THE OWNER THE NAME OF ITS "CONTRACTOR SECURITY OFFICER". THE CONTRACTOR SECURITY OFFICER SHALL REPRESENT THE CONTRACTOR ON THE SECURITY REQUIREMENTS OF THE CONTRACT.
29. THE CONTRACTOR'S SECURITY OFFICER SHALL BE RESPONSIBLE FOR BRIEFING ALL CONTRACTOR PERSONNEL ON THESE REQUIREMENTS. CONTRACTOR EMPLOYEES SHALL ATTEND THE OWNER'S SECURITY TRAINING SESSION AND SHALL BE BRIEFED ON THESE REQUIREMENTS PRIOR TO WORKING IN THE CONSTRUCTION AREAS.
30. THE CONTRACTOR SHALL ACQUAINT THEIR SUPERVISORS AND EMPLOYEES WITH THE AIRPORT ACTIVITIES AND OPERATIONS THAT ARE INHERENT AT THIS AIRPORT AND SHALL CONDUCT THEIR CONSTRUCTION ACTIVITIES TO CONFORM TO ALL ROUTINE AND EMERGENCY AIR TRAFFIC REQUIREMENTS AND TO THE GUIDELINES ON SAFETY.
31. CONTRACTOR TO FIELD VERIFY AND PROTECT ALL EXISTING UTILITIES BEFORE CONSTRUCTION WORK BEGINS.
32. ALL LOCATIONS USED FOR HAUL ROUTES, STAGING AREAS, EMPLOYEE PARKING AND MATERIAL STORAGE SHALL BE CLEANED UP WHEN ALL CONSTRUCTION IS COMPLETED.
33. ALL FOREMAN'S SUPERINTENDANT'S VEHICLES SHALL CONTAIN RADIOS CAPABLE OF TRANSMITTING AND RECEIVING THE UNICOM FREQUENCY OF 123.00. NORMAL RADIO COMMUNICATIONS BETWEEN CONTRACTOR PERSONNEL WILL NOT BE ALLOWED ON THE UNICOM FREQUENCY OF 123.00 OR ANY OTHER FIXED FREQUENCY. THE CONTRACTOR IS REQUIRED TO MONITOR THE AIRPORT FREQUENCY WHENEVER THEIR FORCES ARE ON AIRPORT PROPERTY, WHETHER OR NOT THE RUNWAY IS OPEN OR CLOSED.
34. THE CONTRACTOR IS ENCOURAGED TO DOCUMENT VIA PICTURES AND/OR VIDEO THE PRE-CONSTRUCTION CONDITION OF ALL PAVEMENTS AND STRUCTURES. ANY DAMAGE NOTICED AFTER THE CONTRACTOR'S MOBILIZATION WILL BE ASSUMED TO BE CAUSED BY THE CONTRACTOR AND SHALL BE FULLY REPAIRED AT THE CONTRACTOR'S EXPENSE.
35. NO EQUIPMENT WILL BE ALLOWED WITHIN 400' OF THE PRIMARY RUNWAY 1-19 CENTERLINE. NO EQUIPMENT WILL BE PARKED OR STORED WITHIN 800' OF THE PRIMARY RUNWAY 1-19 CENTERLINE.
36. NO EQUIPMENT WILL BE ALLOWED WITHIN 39.5' OF THE TAXIWAY'S CENTERLINE. NO EQUIPMENT WILL BE PARKED OR STORED WITHIN 65.5' OF TAXIWAY ALPHA'S CENTERLINE.
37. THE EXISTING AIRPORT PAVEMENTS ARE DESIGNED FOR AIRCRAFT TRAFFIC ONLY, AND MAY NOT SUPPORT LOADED TRUCK OR HEAVY EQUIPMENT. ANY DAMAGE RESULTING FROM THE CONTRACTOR'S ACTIONS WILL BE IMMEDIATELY REPAIRED TO FAA STANDARDS AT THE CONTRACTOR'S EXPENSE.



CROSS SECTION OF RUNWAY

PROFILE

RUNWAY END	A	B	C
1	200'	445.8'	34
19	200'	487.8'	34

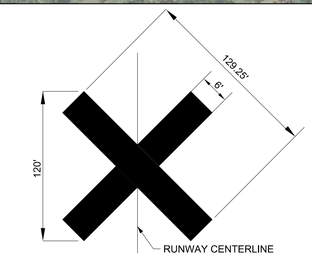
FAR PART 77 SURFACES
DRAWING NOT TO SCALE

NOTE:
THE PART 77 SECTION VIEW IS CENTERED ON THE RUNWAY CENTERLINE AT THE CENTERLINE ELEVATION, AND ON THE EXTENDED RUNWAY CENTERLINE AT THE RUNWAY THRESHOLD ELEVATION TO A POINT 200 FEET BEYOND EACH THRESHOLD. THE SECTION THEN RISES ALONG THE SLOPE INDICATED ON THE PROFILE VIEW.

PAVEMENT	SAFETY AREA WIDTH*
R/W 1-19	400'

*ALL DISTANCES ARE CENTERED ABOUT THE CENTERLINE OF THE AREA LISTED.

SAFETY AREA DIMENSIONS



NOTES:
1. CONTRACTOR SHALL BE REQURIED TO PROVIDE AND MAINTAIN TEMPORARY RUNWAY CLOSURE MARKERS.
2. THE TEMPORARY CLOSED RUNWAY MARKINGS SHALL BE AVIATION YELLOW AND MAY BE CONSTRUCTED OF MATERIAL SUCH AS FABRIC OR PLYWOOD.
3. PLACE MARKINGS AS SHOWN ON THIS SHEET. THE LOCATION OF THE TEMPORARY CLOSED RUNWAY MARKERS SHALL BE PLACED ON THE RUNWAY CENTERLINE.
4. FOR RUNWAYS THAT HAVE BEEN TEMPORARILY CLOSED, PLACE MARKER AT EACH END OF THE RUNWAY DIRECTLY ON OR AS NEAR AS PRACTICABLE TO THE RUNWAY DESIGNATION NUMBERS.
5. FOR A MULTIPLE RUNWAY ENVIRONMENT, IF THE CLOSURE MARKER ON A DESIGNATED NUMBER WILL BE LOCATED IN THE RSA OF AN ADJACENT ACTIVE RUNWAY, LOCATE THE MARKER FARTHER DOWN THE CLOSED RUNWAY TO CLEAR THE RSA OF THE ACTIVE RUNWAY.

1 C1.01 RUNWAY CLOSURE MARKER
SCALE: N.T.S.

AIRPORT CONTACT INFORMATION:
KEITH COTTON
1600 MT. ARARAT ROAD, DARDEN, TN 32328
(731) 845-5740

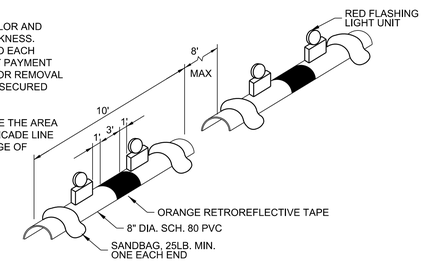
LOCAL EMERGENCY PHONE NUMBERS:
EMERGENCY:
911

PARSONS POLICE DEPARTMENT:
(731) 847-9999

PARSONS FIRE DEPARTMENT:
(731) 847-6358

LIQUIDATED DAMAGES:
$1,000 PER CALENDAR DAY

NOTES:
1. CAUTION LIGHTS TO BE RED IN COLOR AND FLASHING DURING HOURS OF DARKNESS. UNITS TO BE PLACED ADJACENT TO EACH OTHER. THERE WILL BE NO DIRECT PAYMENT FOR FURNISHING, MAINTENANCE, OR REMOVAL OF THIS BARRIER. UNITS MUST BE SECURED TO PVC.
2. ALL BARRICADES SHALL DELINEATE THE AREA TO BE PROTECTED AND THE BARRICADE LINE SHALL EXTEND TO 10' OFF THE EDGE OF EITHER SIDE OF ANY PAVEMENT.



2 C1.01 AIRFIELD BARRICADE DETAIL
SCALE: N.T.S.

BARGE DESIGN SOLUTIONS
615 3rd Avenue South // Suite 700 // Nashville, Tennessee 37210
PHONE (615) 254-1500 // FAX (615) 255-6572

JEREMY GREEN
REGISTERED ENGINEER
No. 121091
STATE OF TENNESSEE
5/22/19

CONSTRUCTION SAFETY & PHASING PLAN (CSPP)

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
BEECH RIVER REGIONAL AIRPORT, PVE
LEXINGTON-PARSONS, TENNESSEE

REV.	DR.	CHK.	DATE	REVISION INFORMATION
	JKB	JDG	04/26/2019	ISSUED FOR 90% REVIEW
	JAC	JDG	05/22/2019	ISSUED FOR BID

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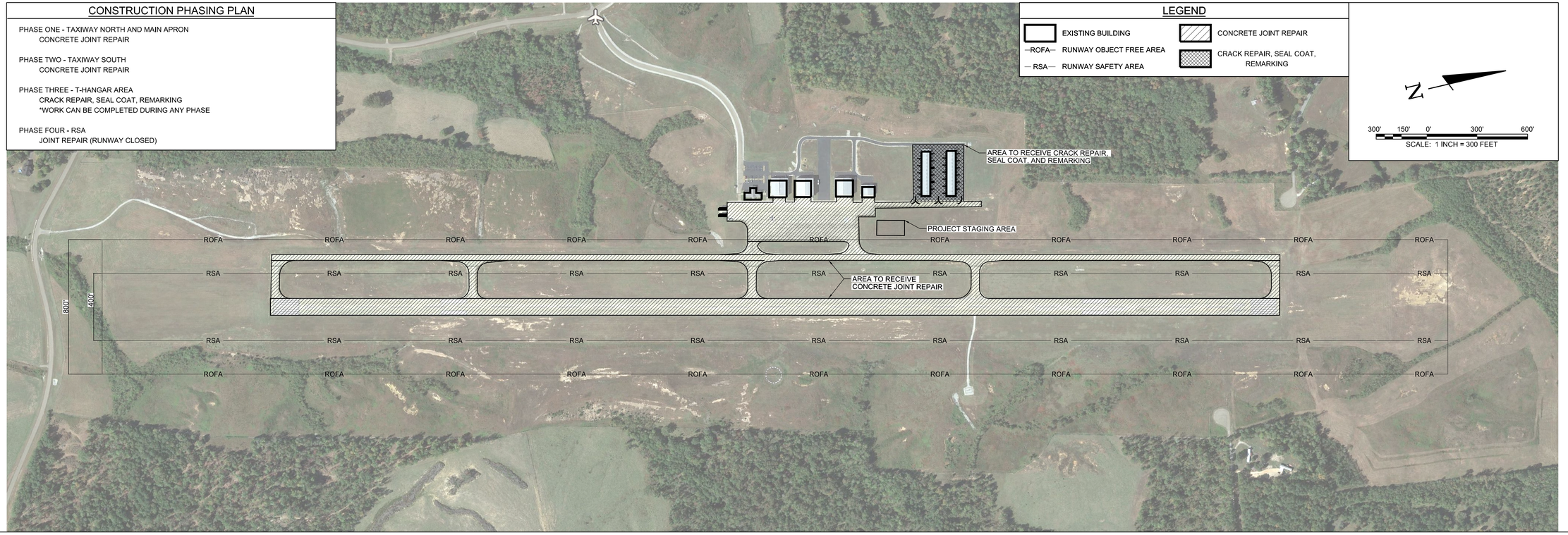
CONSTRUCTION PHASING PLAN

PHASE ONE - TAXIWAY NORTH AND MAIN APRON
CONCRETE JOINT REPAIR

PHASE TWO - TAXIWAY SOUTH
CONCRETE JOINT REPAIR

PHASE THREE - T-HANGAR AREA
CRACK REPAIR, SEAL COAT, REMARKING
*WORK CAN BE COMPLETED DURING ANY PHASE

PHASE FOUR - RSA
JOINT REPAIR (RUNWAY CLOSED)



SCHEDULE OF QUANTITIES

BEECH RIVER REGIONAL AIRPORT, PVE

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	2,700
P-101-5.3	AIRFIELD PAVEMENT MARKING REMOVAL	SF	500
P-605-5.1	JOINT SEALING FILLER	LF	1,500
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	8,200
P-620-5.2	TEMPORARY YELLOW PAINT	SF	500
P-620-5.4	YELLOW PAINT WITH REFLECTIVE MEDIA	SF	500
P-620-5.5	BLACK PAINT WITH REFLECTIVE MEDIA	SF	150

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OVERALL SITE LAYOUT PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
BEECH RIVER REGIONAL AIRPORT, PVE
LEXINGTON-PARSONS, TENNESSEE

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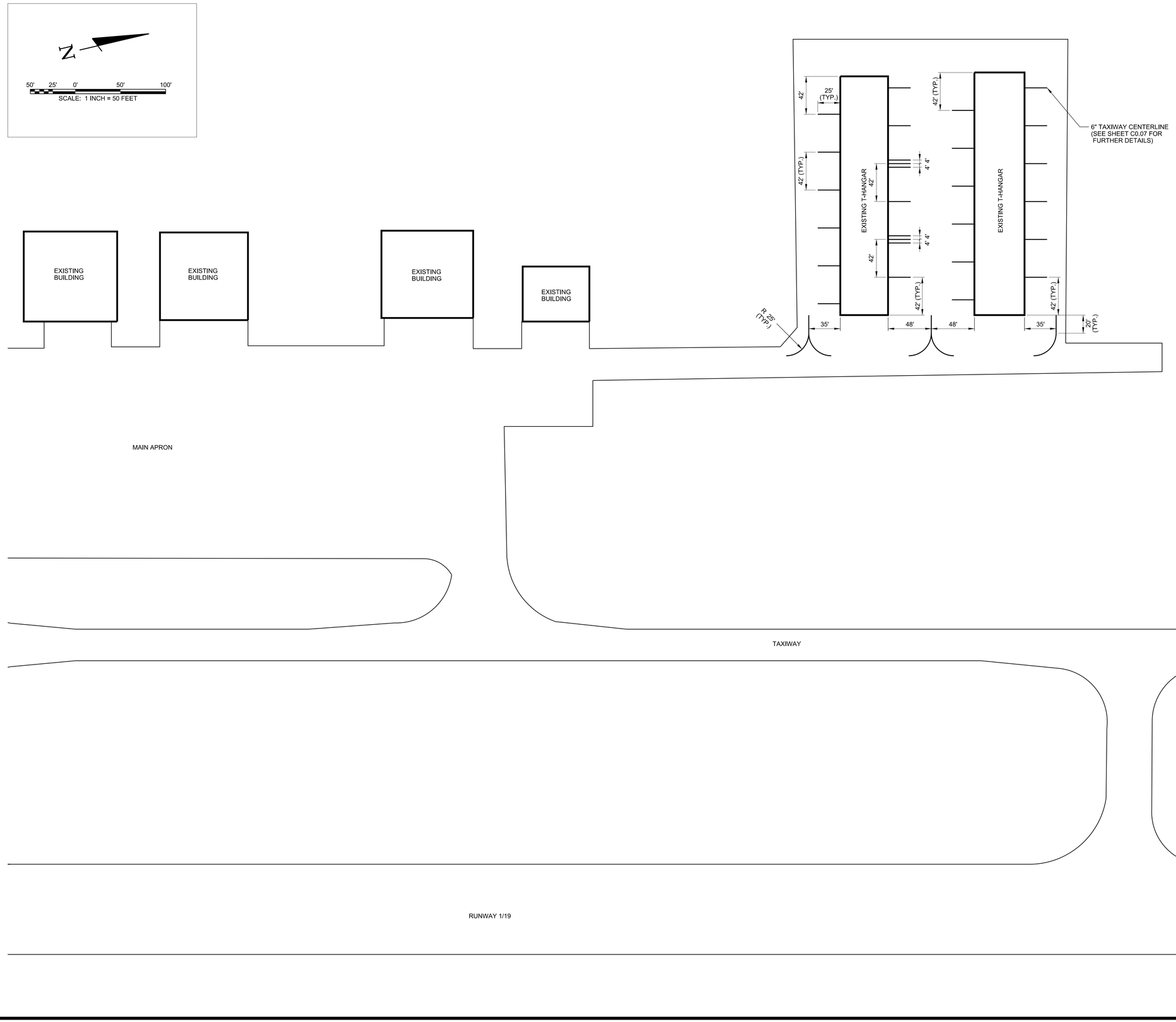
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JEREMY GREEN
REGISTERED ENGINEER
No. 121091
STATE OF TENNESSEE
5/22/19

AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
BEECH RIVER REGIONAL AIRPORT, PVE
LEXINGTON-PARSONS, TENNESSEE

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FILE NO. 36821-03

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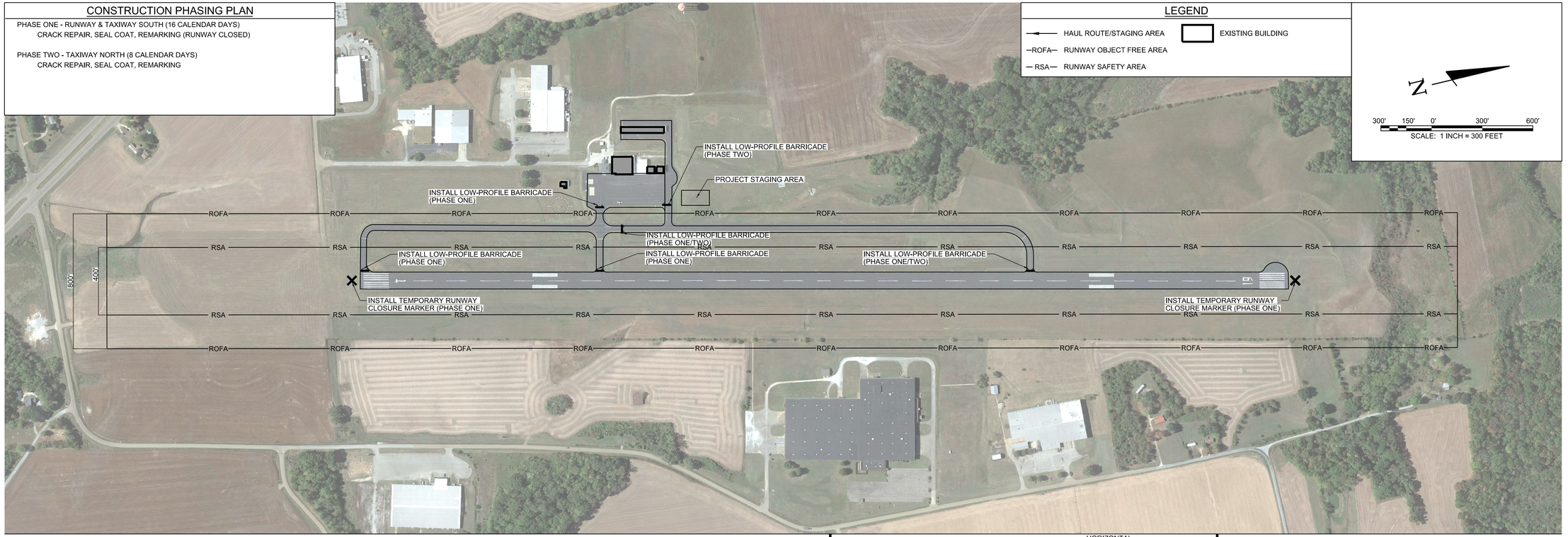
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CONSTRUCTION PHASING PLAN

PHASE ONE - RUNWAY & TAXIWAY SOUTH (16 CALENDAR DAYS)
CRACK REPAIR, SEAL COAT, REMARKING (RUNWAY CLOSED)

PHASE TWO - TAXIWAY NORTH (8 CALENDAR DAYS)
CRACK REPAIR, SEAL COAT, REMARKING



LEGEND

- HAUL ROUTE/STAGING AREA
- EXISTING BUILDING
- ROFA — RUNWAY OBJECT FREE AREA
- RSA — RUNWAY SAFETY AREA

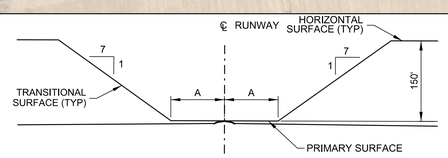
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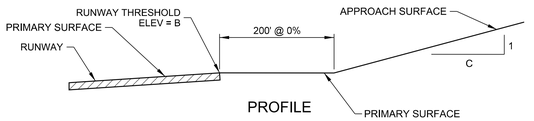
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18. DEBRIS, WASTE AND LOOSE MATERIAL CAPABLE OF CAUSING DAMAGE TO AIRCRAFT LANDING GEAR, PROPELLERS AND ROTORS, OR OF BEING INGESTED BY JET ENGINES SHALL NOT BE LEFT ON ACTIVE AIRCRAFT MOVEMENT AREAS. MATERIAL DROPPED WITHIN THESE AREAS SHALL BE REMOVED CONTINUOUSLY DURING WORKING HOURS.
19. THE CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY REFLECTORIZED SIGNS TO CLEARLY MARK THE DESIGNATED ACCESS ROUTES TO AFFECTED AREAS OF AIRPORT PROPERTY. CONTRACTOR SHALL CONTROL ACCESS TO THE WORKING AREA BY CONSTRUCTION VEHICLES AS DELINEATED ON THIS PLAN.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMING ALL PERSONS UNDER THEIR CONTROL THAT UNAUTHORIZED CONSTRUCTION PERSONNEL FOUND IN RESTRICTED AREAS OF THE AIRPORT SHOWN ON THE SAFETY PLAN ARE SUBJECT TO ARREST FOR A PUNISHABLE FEDERAL OFFENSE AND WILL PROMPTLY AND PERMANENTLY BE REMOVED FROM THE JOB.
21. THE CONTRACTOR SHALL PROVIDE APPROVED FLAGMAN TO CONTROL ALL CONSTRUCTION TRAFFIC AND APPROVED GATE GUARD TO CONTROL ALL CONSTRUCTION TRAFFIC ENTERING PROJECT.
22. CONTRACTOR SHALL CONTROL AND ESCORT ALL CONSTRUCTION TRAFFIC ENTERING AIRPORT TO PREVENT CONFLICTS WITH AIRCRAFT OPERATIONS.
23. SPECIAL ACCESS REQUIREMENTS AND OPERATING LIMITATIONS ARE REQUIRED INSIDE THE SECURITY FENCE. THE CONTRACTOR SHALL DELINEATE WORK LIMITS WITHIN THESE AREAS USING STAKES WITH FLAGGING AS NOTED. CONFINE ALL CONTRACTOR'S PERSONNEL, EQUIPMENT AND MATERIALS INSIDE THE OWNER'S APPROVED WORK LIMITS.
24. THE CONTRACTOR SHALL PERFORM CONSTRUCTION OPERATIONS AS NECESSARY TO MINIMIZE ATTRACTION TO BIRDS CAUSED BY PONDED WATER AND GRASS SEED.
25. THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN FLASHING LIGHTS AND BARRICADES ALONG AIRCRAFT APRON EDGES OR WHERE TEMPORARY PAVEMENT CLOSURES OR AIRCRAFT LIMITATIONS ARE REQUIRED. BARRICADES SHALL BE SPACED NO MORE THAN 8 FEET ON CENTER OR AS NOTED ALONG THE AFFECTED PAVEMENT EDGE OR ACROSS THE PAVEMENT OF A CLOSED TAXIWAY. THE CONTRACTOR SHALL DAILY MAINTAIN THE LIGHTS AND BARRICADES IN AN OPERABLE CONDITION FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL FURNISH THE OWNER A CONTACT NUMBER FOR 24-HOUR MAINTENANCE OF LIGHTS AND BARRICADES. THE COST FOR BARRICADES AND LIGHTS SHALL BE INCIDENTAL TO THE PROJECT.
26. NO CONSTRUCTION TRAFFIC SHALL ENTER OR CROSS ANY ACTIVE AIRPORT OPERATIONAL AREA EXCEPT UPON AUTHORIZATION BY THE OWNER.
27. REFER TO THE GENERAL NOTES FOR REQUIREMENTS PERTAINING TO STORAGE OF CONSTRUCTION EQUIPMENT AND MATERIALS WHEN NOT IN USE.
28. THE CONTRACTOR SHALL COMPLY WITH ALL SECURITY REQUIREMENTS SPECIFIED HEREIN. THE CONTRACTOR SHALL DESIGNATE IN WRITING TO THE OWNER THE NAME OF ITS "CONTRACTOR SECURITY OFFICER". THE CONTRACTOR SECURITY OFFICER SHALL REPRESENT THE CONTRACTOR ON THE SECURITY REQUIREMENTS OF THE CONTRACT.
29. THE CONTRACTOR'S SECURITY OFFICER SHALL BE RESPONSIBLE FOR BRIEFING ALL CONTRACTOR PERSONNEL ON THESE REQUIREMENTS. CONTRACTOR EMPLOYEES SHALL ATTEND THE OWNER'S SECURITY TRAINING SESSION AND SHALL BE BRIEFED ON THESE REQUIREMENTS PRIOR TO WORKING IN THE CONSTRUCTION AREAS.
30. THE CONTRACTOR SHALL ACQUAINT THEIR SUPERVISORS AND EMPLOYEES WITH THE AIRPORT ACTIVITIES AND OPERATIONS THAT ARE INHERENT AT THIS AIRPORT AND SHALL CONDUCT THEIR CONSTRUCTION ACTIVITIES TO CONFORM TO ALL ROUTINE AND EMERGENCY AIR TRAFFIC REQUIREMENTS AND TO THE GUIDELINES ON SAFETY.
31. CONTRACTOR TO FIELD VERIFY AND PROTECT ALL EXISTING UTILITIES BEFORE CONSTRUCTION WORK BEGINS.
32. ALL LOCATIONS USED FOR HAUL ROUTES, STAGING AREAS, EMPLOYEE PARKING AND MATERIAL STORAGE SHALL BE CLEANED UP WHEN ALL CONSTRUCTION IS COMPLETED.
33. ALL FOREMAN'S SUPERINTENDANT'S VEHICLES SHALL CONTAIN RADIOS CAPABLE OF TRANSMITTING AND RECEIVING THE UNICOM FREQUENCY OF 122.80. NORMAL RADIO COMMUNICATIONS BETWEEN CONTRACTOR PERSONNEL WILL NOT BE ALLOWED ON THE UNICOM FREQUENCY OF 122.80 OR ANY OTHER FAA FREQUENCY. THE CONTRACTOR IS REQUIRED TO MONITOR THE AIRPORT FREQUENCY WHENEVER THEIR FORCES ARE ON AIRPORT PROPERTY, WHETHER OR NOT THE RUNWAY IS OPEN OR CLOSED.
34. THE CONTRACTOR IS ENCOURAGED TO DOCUMENT VIA PICTURES AND/OR VIDEO THE PRE-CONSTRUCTION CONDITION OF ALL PAVEMENTS AND STRUCTURES. ANY DAMAGE NOTICED AFTER THE CONTRACTOR'S MOBILIZATION WILL BE ASSUMED TO BE CAUSED BY THE CONTRACTOR AND SHALL BE FULLY REPAIRED AT THE CONTRACTOR'S EXPENSE.
35. NO EQUIPMENT WILL BE ALLOWED WITHIN 400' OF THE PRIMARY RUNWAY 1-19 CENTERLINE. NO EQUIPMENT WILL BE PARKED OR STORED WITHIN 800' OF THE PRIMARY RUNWAY 1-19 CENTERLINE.
36. NO EQUIPMENT WILL BE ALLOWED WITHIN 39.5' OF THE TAXIWAY'S CENTERLINE. NO EQUIPMENT WILL BE PARKED OR STORED WITHIN 65.5' OF TAXIWAY ALPHA'S CENTERLINE.
37. THE EXISTING AIRPORT PAVEMENTS ARE DESIGNED FOR AIRCRAFT TRAFFIC ONLY, AND MAY NOT SUPPORT LOADED TRUCK OR HEAVY EQUIPMENT. ANY DAMAGE RESULTING FROM THE CONTRACTOR'S ACTIONS WILL BE IMMEDIATELY REPAIRED TO FAA STANDARDS AT THE CONTRACTOR'S EXPENSE.



CROSS SECTION OF RUNWAY



PROFILE

RUNWAY END	A	B	C
1	200'	495.3'	34
19	200'	496.6'	34

FAR PART 77 SURFACES

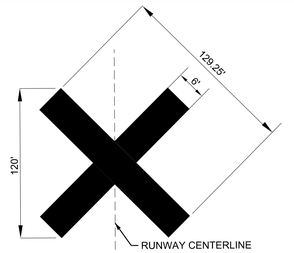
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NOTE:
THE PART 77 SECTION VIEW IS CENTERED ON THE RUNWAY CENTERLINE AT THE CENTERLINE ELEVATION, AND ON THE EXTENDED RUNWAY CENTERLINE AT THE RUNWAY THRESHOLD ELEVATION TO A POINT 200 FEET BEYOND EACH THRESHOLD. THE SECTION THEN RISES ALONG THE SLOPE INDICATED ON THE PROFILE VIEW.

PAVEMENT	SAFETY AREA WIDTH*
R/W 1-19	400'

*ALL DISTANCES ARE CENTERED ABOUT THE CENTERLINE OF THE AREA LISTED.

SAFETY AREA DIMENSIONS



NOTES:
1. CONTRACTOR SHALL BE REQURIED TO PROVIDE AND MAINTAIN TEMPORARY RUNWAY CLOSURE MARKERS.
2. THE TEMPORARY CLOSED RUNWAY MARKINGS SHALL BE AVIATION YELLOW AND MAY BE CONSTRUCTED OF MATERIAL SUCH AS FABRIC OR PLYWOOD.
3. PLACE MARKINGS AS SHOWN ON THIS SHEET. THE LOCATION OF THE TEMPORARY CLOSED RUNWAY MARKERS SHALL BE PLACED ON THE RUNWAY CENTERLINE.
4. FOR RUNWAYS THAT HAVE BEEN TEMPORARILY CLOSED, PLACE MARKER AT EACH END OF THE RUNWAY DIRECTLY ON OR AS NEAR AS PRACTICABLE TO THE RUNWAY DESIGNATION NUMBERS.
5. FOR A MULTIPLE RUNWAY ENVIRONMENT, IF THE CLOSURE MARKER ON A DESIGNATED NUMBER WILL BE LOCATED IN THE RSA OF AN ADJACENT ACTIVE RUNWAY, LOCATE THE MARKER FARTHER DOWN THE CLOSED RUNWAY TO CLEAR THE RSA OF THE ACTIVE RUNWAY.

1 / C2.01 RUNWAY CLOSURE MARKER
SCALE: N.T.S.

AIRPORT CONTACT INFORMATION:
TOMMY SWOR
535 AIRPORT LANE, MCKENZIE, TN 38201
(731) 352-7278

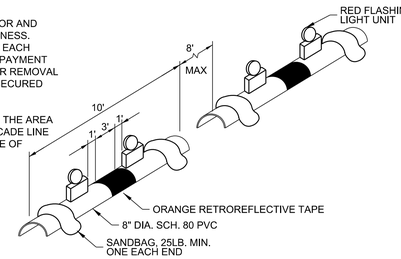
LOCAL EMERGENCY PHONE NUMBERS:
EMERGENCY:
911

MCKENZIE POLICE DEPARTMENT:
(731) 352-2265

MCKENZIE FIRE DEPARTMENT:
(731) 352-3306

LIQUIDATED DAMAGES:
$1,000 PER CALENDAR DAY

NOTES:
1. CAUTION LIGHTS TO BE RED IN COLOR AND FLASHING DURING HOURS OF DARKNESS. UNITS TO BE PLACED ADJACENT TO EACH OTHER. THERE WILL BE NO DIRECT PAYMENT FOR FURNISHING, MAINTENANCE, OR REMOVAL OF THIS BARRIER. UNITS MUST BE SECURED TO PVC.
2. ALL BARRICADES SHALL DELINEATE THE AREA TO BE PROTECTED AND THE BARRICADE LINE SHALL EXTEND TO 10' OFF THE EDGE OF EITHER SIDE OF ANY PAVEMENT.



2 / C2.01 AIRFIELD BARRICADE DETAIL
SCALE: N.T.S.

BARGE DESIGN SOLUTIONS
615 3rd Avenue South // Suite 700 // Nashville, Tennessee 37210
PHONE (615) 254-1500 // FAX (615) 255-6572

JEREMY GREEN — REGISTERED ENGINEER — No. 121091 — STATE OF TENNESSEE
5/22/19

CONSTRUCTION SAFETY & PHASING PLAN (CSPP)

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
CARROLL COUNTY AIRPORT, HZD
HUNTINGDON, TENNESSEE

REV.	DR.	CHK.	DATE	REVISION INFORMATION
	JKB	JDG	04/26/2019	ISSUED FOR 90% REVIEW
	JAC	JDG	05/22/2019	ISSUED FOR BID

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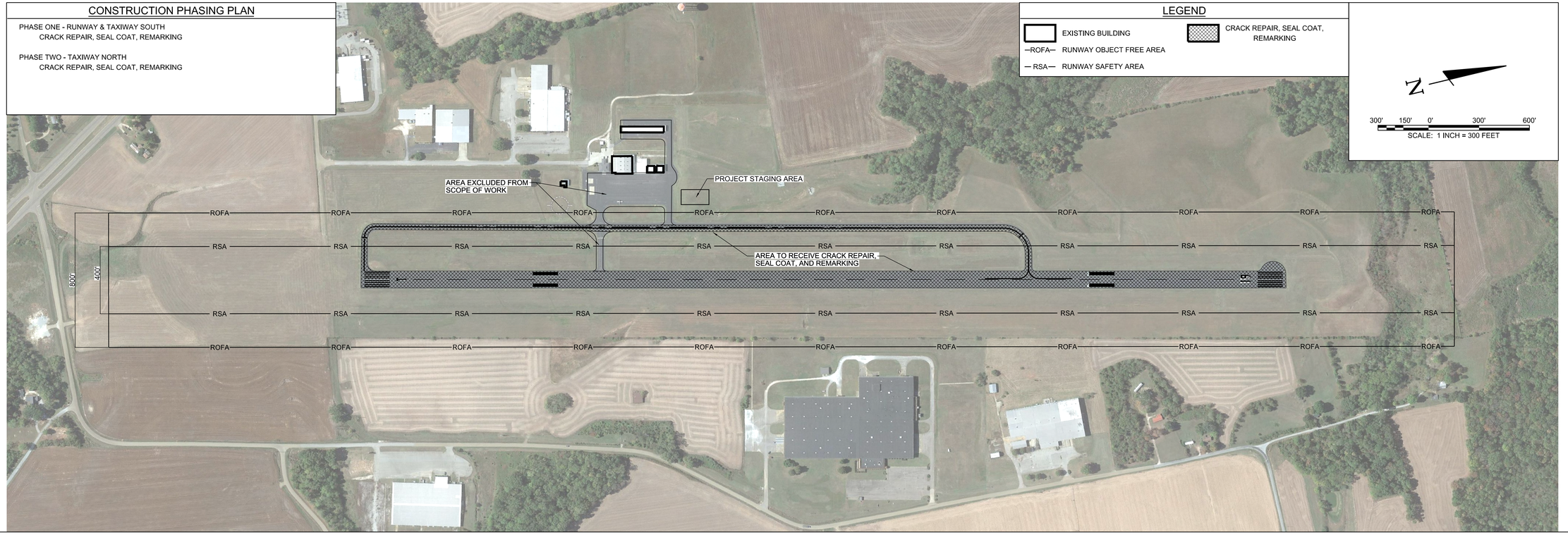
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CONSTRUCTION PHASING PLAN

PHASE ONE - RUNWAY & TAXIWAY SOUTH
CRACK REPAIR, SEAL COAT, REMARKING

PHASE TWO - TAXIWAY NORTH
CRACK REPAIR, SEAL COAT, REMARKING



LEGEND

EXISTING BUILDING
CRACK REPAIR, SEAL COAT, REMARKING
ROFA RUNWAY OBJECT FREE AREA
RSA RUNWAY SAFETY AREA

N

300' 150' 0' 300' 600'

SCALE: 1 INCH = 300 FEET

SCHEDULE OF QUANTITIES

CARROLL COUNTY AIRPORT, HZD

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	30,100
P-101-5.2	CRACK REPAIR (TYPE II)	LF	600
P-101-5.3	AIRFIELD PAVEMENT MARKING REMOVAL	SF	56,500
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	80,500
P-620-5.1	TEMPORARY WHITE PAINT	SF	25,410
P-620-5.2	TEMPORARY YELLOW PAINT	SF	2,450
P-620-5.3	WHITE PAINT WITH REFLECTIVE MEDIA	SF	25,410
P-620-5.4	YELLOW PAINT WITH REFLECTIVE MEDIA	SF	2,450

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STATE OF TENNESSEE
5/22/19

OVERALL SITE LAYOUT PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
CARROLL COUNTY AIRPORT, HZD
HUNTINGDON, TENNESSEE

REVISION INFORMATION

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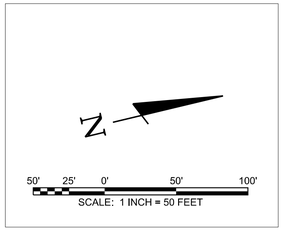
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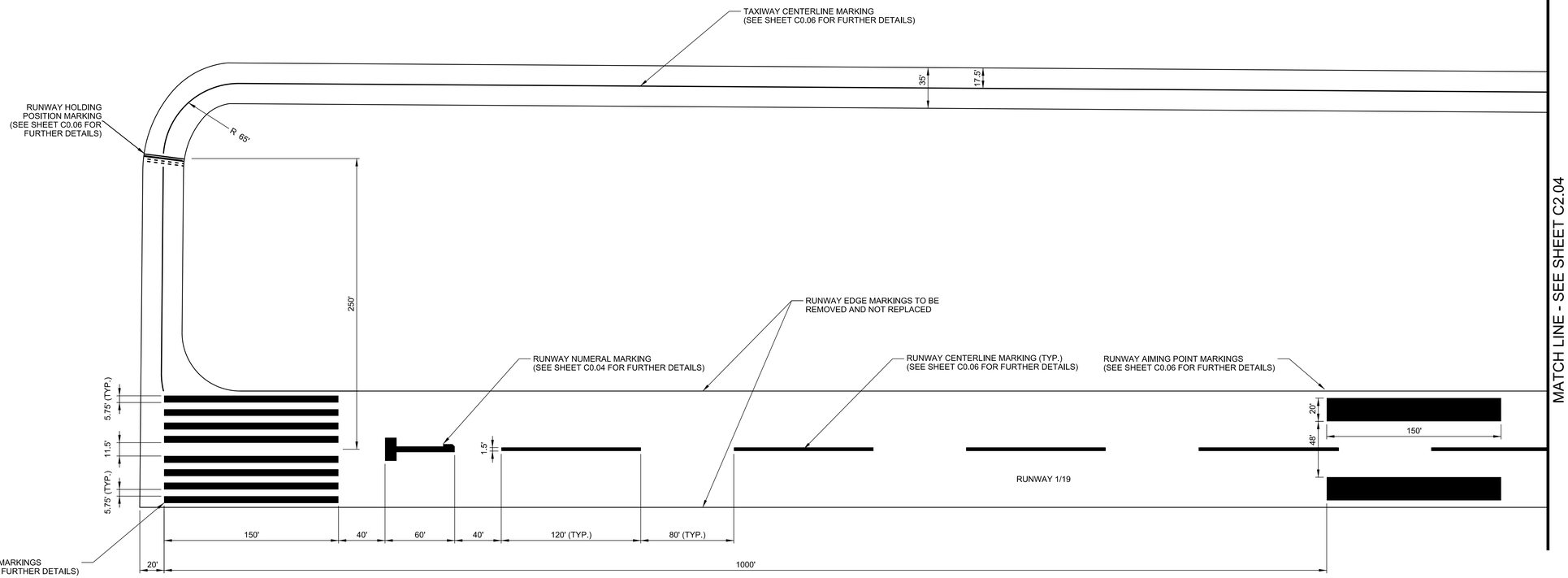
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STATE OF TENNESSEE
5/22/19

AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
CARROLL COUNTY AIRPORT, HZD
HUNTINGDON, TENNESSEE

REVISION INFORMATION			
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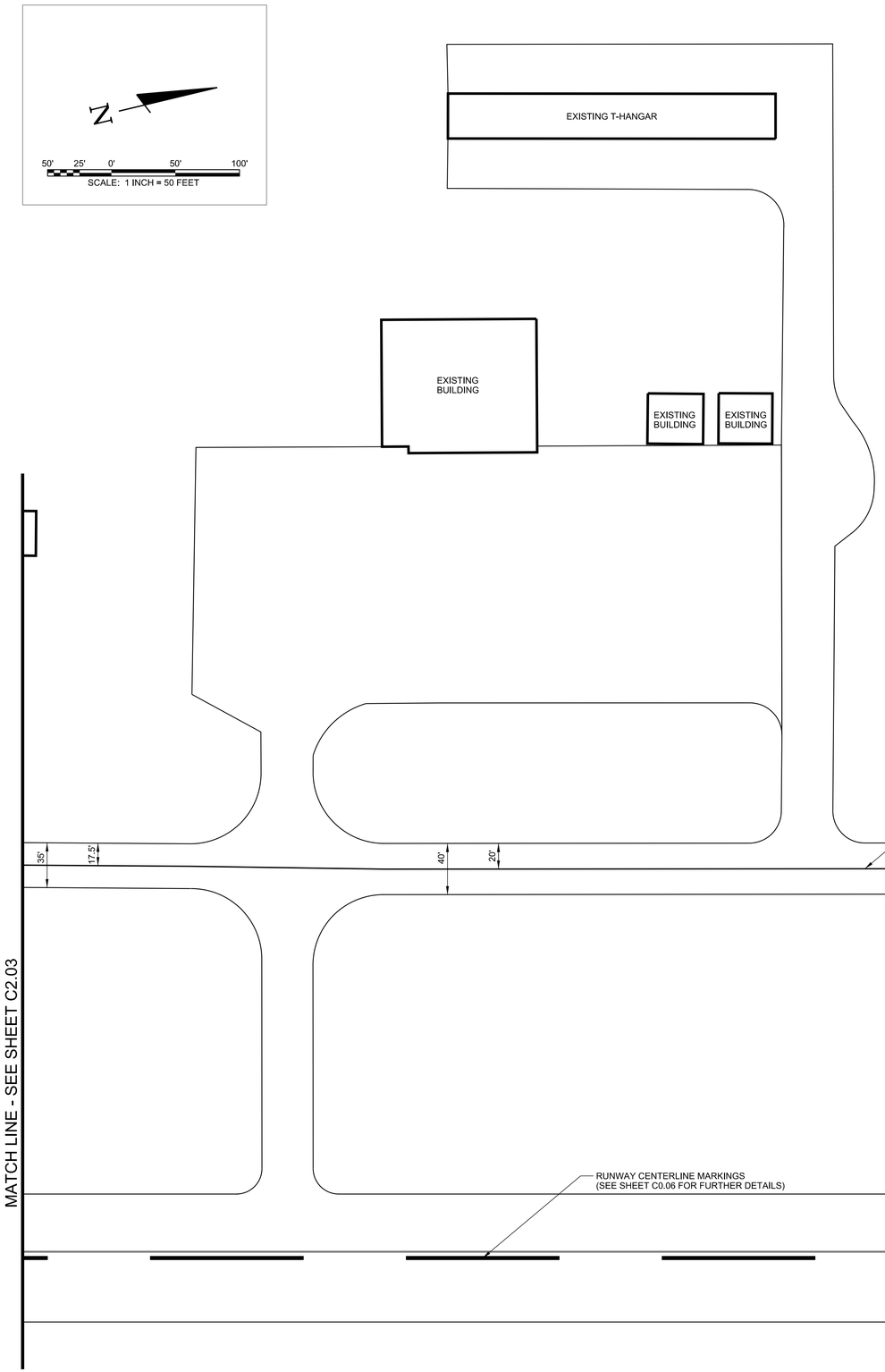
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5/22/19

AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
CARROLL COUNTY AIRPORT, HZD
HUNTINGDON, TENNESSEE

REVISION INFORMATION

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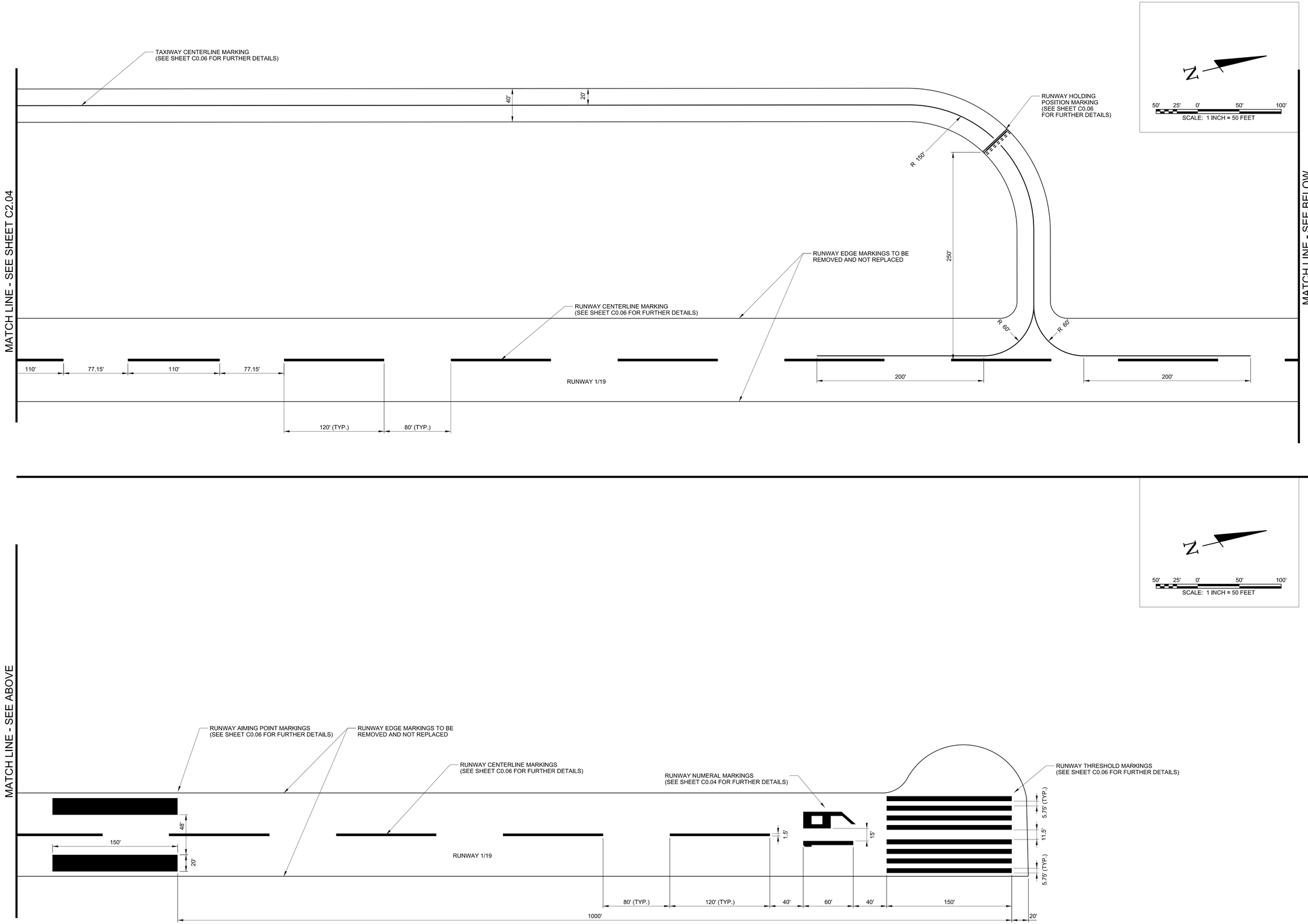
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REGISTERED ENGINEER
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STATE OF TENNESSEE
5/22/19

AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
CARROLL COUNTY AIRPORT, HZD
HUNTINGDON, TENNESSEE

REVISION INFORMATION

REV.	DR.	CHK.	DATE	DESCRIPTION
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CONSTRUCTION PHASING PLAN

PHASE ONE - RUNWAY (5 CALENDAR DAYS)
CRACK REPAIR, THRESHOLD MARKINGS (RUNWAY CLOSED)

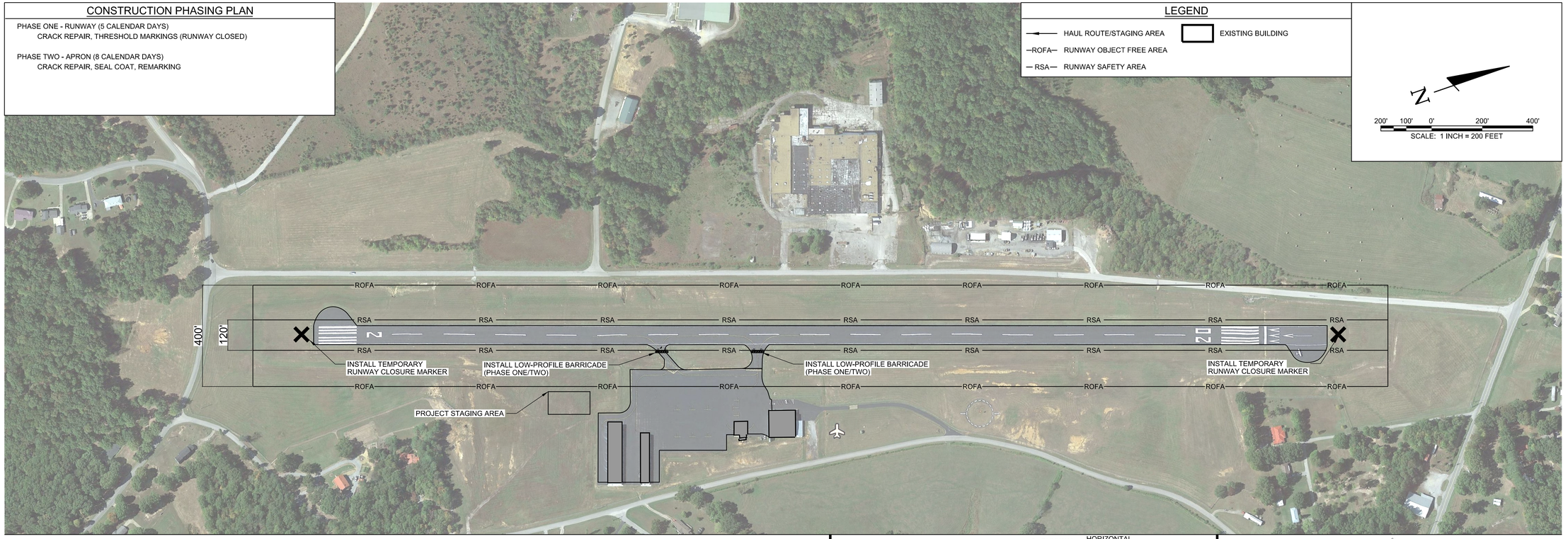
PHASE TWO - APRON (8 CALENDAR DAYS)
CRACK REPAIR, SEAL COAT, REMARKING

LEGEND

HAUL ROUTE/STAGING AREA
EXISTING BUILDING
ROFA RUNWAY OBJECT FREE AREA
RSA RUNWAY SAFETY AREA

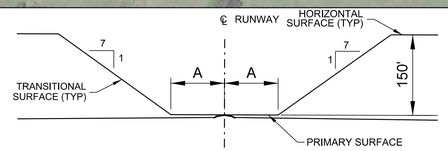
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200' 100' 0' 200' 400'
SCALE: 1 INCH = 200 FEET

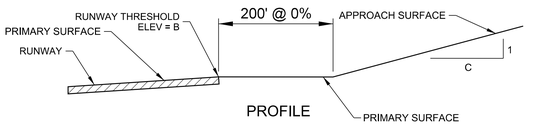


CONSTRUCTION SAFETY NOTES

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER AND THE OWNER NOT LESS THAN TWO (2) DAYS PRIOR TO ENTERING THE CONSTRUCTION SITE FOR ANY PURPOSE SO THAT THEY MAY PUBLISH "NOTICES TO AIRMAN" OF THE CONSTRUCTION ACTIVITIES.
2. SUFFICIENT SWEEPERS AND CLEAN UP EQUIPMENT SHALL BE PROVIDED IN ORDER THAT ALL LOOSE MATERIAL, DEBRIS AND MUD CAN BE REMOVED FROM ALL AIRPORT OPERATIONS AREAS ON A CONTINUOUS BASIS.
3. NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR RADIOS, CONSTRUCTION OF AND MAINTENANCE OF HAUL ROUTES AND CONSTRUCTION ENTRANCE, ETC, AS INCLUDED IN THESE NOTES. ALL COSTS ASSOCIATED WITH THESE ITEMS MUST BE INCLUDED IN THE CONTRACT BID PRICES WHICH WOULD MOST LIKELY INCLUDE THEM.
4. THE CONTRACTOR AND PERSONNEL SHALL NOT, AT ANY TIME, BE ON THE RUNWAY OR TAXIWAYS UNLESS THE AIRPORT MANAGER GIVES PRIOR APPROVAL.
5. THE CONTRACTOR SHALL TAKE EXTREME CAUTION AROUND ALL EXISTING AIRPORT EQUIPMENT.
6. THE CONSTRUCTION ENTRANCE, STAGING AREA, EMPLOYEE PARKING, STOCKPILE AREA, WASTE AREA AND BORROW AREA SHALL BE COORDINATED WITH THE AIRPORT MANAGER.
7. THE CONTRACTOR SHALL HAVE A MAN ON 24-HOUR CALL FOR EMERGENCY MAINTENANCE OF AIRPORT HAZARD LIGHTING AND BARRICADES AND OTHER EMERGENCIES WHICH MAY ARISE AS A RESULT OF THIS WORK.
8. THE CONTRACTOR'S PERSONNEL AND EQUIPMENT SHALL NOT BE PERMITTED OUTSIDE THE CONSTRUCTION WORK LIMITS WITHOUT BEING ESCORTED BY THE OWNER APPROVED ESCORT.
9. IT SHALL BE THE RESPONSIBILTY OF THE CONTRACTOR TO REVIEW THE SAFETY PROVISIONS INCORPORATED IN THE FOLLOWING FEDERAL AVIATION ADMINISTRATION (FAA) DOCUMENTS, WHICH ARE AVAILABLE FOR REVIEW BY DOWNLOADING THE DOCUMENTS ON-LINE AT HTTP://WWW.FAA.GOV:
   - 9.1 ADVISORY CIRCULAR NUMBER 150/5370-10H, "STANDARDS FOR SPECIFYING CONSTRUCTION OF AIRPORTS"
   - 9.2 ADVISORY CIRCULAR NUMBER 150/5370-2G, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTON"
   - 9.3 ADVISORY CIRCULAR NUMBER 150/5210-5D, "PAINTING, MARKING, AND LIGHTING OF VEHICLES USED ON AN AIRPORT"
10. THE CONTRACTOR SHALL BE REQUIRED TO MINIMIZE DUST CREATED BY CONSTRUCTION ACTIVITIES USING WATER OR OTHER DEVICES. ANY COST ASSOCIATED WITH DUST CONTROL SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. IN THE EVENT DUST WHICH IS CREATED BY CONSTRUCTION ACTIVITIES BECOMES A HAZARD TO AIRFIELD OPERATIONS AND/OR AIRCRAFT NAVIGATION CONSTRUCTION ACTIVITES WILL BE SHUT DOWN. THIS SHUTDOWN TIME WILL NOT BE A BASIS FOR CLAIMS FOR ADDITIONAL CONTRACT TIME OR COMPENSATION.
11. AIRCRAFT OPERATIONS SHALL AT ALL TIMES HAVE PRIORITY OVER ALL VEHICLES, EQUIPMENT AND PERSONNEL. THE CONTRACTOR SHALL EMPLOY STRICT MEASURES TO PREVENT ANY CONFLICT BETWEEN HIS PERSONNEL AND AIRCRAFT ON ANY ACTIVE AIRFIELD PAVEMENT. THE CONTRACTOR SHALL REMAIN CLEAR OF ACTIVE RUNWAYS AND TAXIWAYS.
12. ALL CONTRACTOR VEHICLES, INCLUDING HAULING VEHICLES, THAT ARE AUTHORIZED TO OPERATE ON THE AIRPORT WITHIN THE DESIGNATED LIMITS OF CONSTRUCTION OR HAUL ROUTES AS DEFINED HEREIN, SHALL DISPLAY IN FULL VIEW ABOVE THE VEHICLE A 3'X3' OR LARGER ORANGE AND WHITE CHECKERBOARD FLAG, EACH CHECKERBOARD COLOR BEING 1' SQUARE. WHEN OPERATING DURING PERIODS OF DARKNESS OR LIMITED VISIBILITY, CONTRACTOR'S VEHICLE SHALL BE EQUIPPED WITH ROTATING OR FLASHING AMBER LIGHTS. DURING SUCH PERIODS, HAULING VEHICLES NOT SO EQUIPPED SHALL BE ESCORTED BY A VEHICLE SO EQUIPPED.
13. CONTRACTOR SHALL CONTROL THE ON-AIRPORT MOVEMENT AND ACTIVITIES OF ITS EMPLOYEES AND SUBCONTRACTORS.
14. OPEN-FLAME WELDING OR TORCH-CUTTING OPERATIONS ARE PROHIBITED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS HAVE BEEN APPROVED BY THE OWNER.
15. OPEN TRENCHES, EXCAVATIONS AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHALL BE PROMINENTLY MARKED WITH ORANGE FLAGS AND LIGHTED WITH FLASHING AMBER LIGHT UNITS (ACCEPTABLE TO THE OWNER) DURING HOURS OF RESTRICTED VISIBILITY OR DARKNESS.
16. STOCKPILED MATERIAL SHALL BE CONSTRAINED IN A MANNER TO PREVENT MOVEMENT AS A RESULT OF AIRCRAFT OR WIND.
17. ANY DAMAGE TO THE EXISTING AIRPORT LIGHTING SYSTEM CAUSED BY CONSTRUCTION OPERATIONS SHALL BE IMMEDIATELY NOTED TO THE OWNER AND REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE AND TO THE OWNER'S SPECIFICATIONS.
18. DEBRIS, WASTE AND LOOSE MATERIAL CAPABLE OF CAUSING DAMAGE TO AIRCRAFT LANDING GEAR, PROPELLERS AND ROTORS, OR OF BEING INGESTED BY JET ENGINES SHALL NOT BE LEFT ON ACTIVE AIRCRAFT MOVEMENT AREAS. MATERIAL DROPPED WITHIN THESE AREAS SHALL BE REMOVED CONTINUOUSLY DURING WORKING HOURS.
19. THE CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY REFLECTORIZED SIGNS TO CLEARLY MARK THE DESIGNATED ACCESS ROUTES TO AFFECTED AREAS OF AIRPORT PROPERTY. CONTRACTOR SHALL CONTROL ACCESS TO THE WORKING AREA BY CONSTRUCTION VEHICLES AS DELINEATED ON THIS PLAN.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMING ALL PERSONS UNDER THEIR CONTROL THAT UNAUTHORIZED CONSTRUCTION PERSONNEL FOUND IN RESTRICTED AREAS OF THE AIRPORT SHOWN ON THE SAFETY PLAN ARE SUBJECT TO ARREST FOR A PUNISHABLE FEDERAL OFFENSE AND WILL PROMPTLY AND PERMANENTLY BE REMOVED FROM THE JOB.
21. THE CONTRACTOR SHALL PROVIDE APPROVED FLAGMAN TO CONTROL ALL CONSTRUCTION TRAFFIC AND APPROVED GATE GUARD TO CONTROL ALL CONSTRUCTION TRAFFIC ENTERING PROJECT.
22. CONTRACTOR SHALL CONTROL AND ESCORT ALL CONSTRUCTION TRAFFIC ENTERING AIRPORT TO PREVENT CONFLICTS WITH AIRCRAFT OPERATIONS.
23. SPECIAL ACCESS REQUIREMENTS AND OPERATING LIMITATIONS ARE REQUIRED INSIDE THE SECURITY FENCE. THE CONTRACTOR SHALL DELINEATE WORK LIMITS WITHIN THESE AREAS USING STAKES WITH FLAGGING AS NOTED. CONFINE ALL CONTRACTOR'S PERSONNEL, EQUIPMENT AND MATERIALS INSIDE THE OWNER'S APPROVED WORK LIMITS.
24. THE CONTRACTOR SHALL PERFORM CONSTRUCTION OPERATIONS AS NECESSARY TO MINIMIZE ATTRACTION TO BIRDS CAUSED BY PONDED WATER AND GRASS SEED.
25. THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN FLASHING LIGHTS AND BARRICADES ALONG AIRCRAFT APRON EDGES OR WHERE TEMPORARY PAVEMENT CLOSURES OR AIRCRAFT LIMITATIONS ARE REQUIRED. BARRICADES SHALL BE SPACED NO MORE THAN 8 FEET ON CENTER OR AS NOTED ALONG THE AFFECTED PAVEMENT EDGE OR ACROSS THE PAVEMENT OF A CLOSED TAXIWAY. THE CONTRACTOR SHALL DAILY MAINTAIN THE LIGHTS AND BARRICADES IN AN OPERABLE CONDITION FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL FURNISH THE OWNER A CONTACT NUMBER FOR 24-HOUR MAINTENANCE OF LIGHTS AND BARRICADES. THE COST FOR BARRICADES AND LIGHTS SHALL BE INCIDENTAL TO THE PROJECT.
26. NO CONSTRUCTION TRAFFIC SHALL ENTER OR CROSS ANY ACTIVE AIRPORT OPERATIONAL AREA EXCEPT UPON AUTHORIZATION BY THE OWNER.
27. REFER TO THE GENERAL NOTES FOR REQUIREMENTS PERTAINING TO STORAGE OF CONSTRUCTION EQUIPMENT AND MATERIALS WHEN NOT IN USE.
28. THE CONTRACTOR SHALL COMPLY WITH ALL SECURITY REQUIREMENTS SPECIFIED HEREIN. THE CONTRACTOR SHALL DESIGNATE IN WRITING TO THE OWNER THE NAME OF ITS "CONTRACTOR SECURITY OFFICER". THE CONTRACTOR SECURITY OFFICER SHALL REPRESENT THE CONTRACTOR ON THE SECURITY REQUIREMENTS OF THE CONTRACT.
29. THE CONTRACTOR'S SECURITY OFFICER SHALL BE RESPONSIBLE FOR BRIEFING ALL CONTRACTOR PERSONNEL ON THESE REQUIREMENTS. CONTRACTOR EMPLOYEES SHALL ATTEND THE OWNER'S SECURITY TRAINING SESSION AND SHALL BE BRIEFED ON THESE REQUIREMENTS PRIOR TO WORKING IN THE CONSTRUCTION AREAS.
30. THE CONTRACTOR SHALL ACQUAINT THEIR SUPERVISORS AND EMPLOYEES WITH THE AIRPORT ACTIVITIES AND OPERATIONS THAT ARE INHERENT AT THIS AIRPORT AND SHALL CONDUCT THEIR CONSTRUCTION ACTIVITIES TO CONFORM TO ALL ROUTINE AND EMERGENCY AIR TRAFFIC REQUIREMENTS AND TO THE GUIDELINES ON SAFETY.
31. CONTRACTOR TO FIELD VERIFY AND PROTECT ALL EXISTING UTILITIES BEFORE CONSTRUCTION WORK BEGINS.
32. ALL LOCATIONS USED FOR HAUL ROUTES, STAGING AREAS, EMPLOYEE PARKING AND MATERIAL STORAGE SHALL BE CLEANED UP WHEN ALL CONSTRUCTION IS COMPLETED.
33. ALL FOREMAN'S SUPERINTENDANT'S VEHICLES SHALL CONTAIN RADIOS CAPABLE OF TRANSMITTING AND RECEIVING THE UNICOM FREQUENCY OF 122.80. NORMAL RADIO COMMUNICATIONS BETWEEN CONTRACTOR PERSONNEL WILL NOT BE ALLOWED ON THE UNICOM FREQUENCY OF 122.80 OR ANY OTHER FAA FREQUENCY. THE CONTRACTOR IS REQUIRED TO MONITOR THE AIRPORT FREQUENCY WHENEVER THEIR FORCES ARE ON AIRPORT PROPERTY, WHETHER OR NOT THE RUNWAY IS OPEN OR CLOSED.
34. THE CONTRACTOR IS ENCOURAGED TO DOCUMENT VIA PICTURES AND/OR VIDEO THE PRE-CONSTRUCTION CONDITION OF ALL PAVEMENTS AND STRUCTURES. ANY DAMAGE NOTICED AFTER THE CONTRACTOR'S MOBILIZATION WILL BE ASSUMED TO BE CAUSED BY THE CONTRACTOR AND SHALL BE FULLY REPAIRED AT THE CONTRACTOR'S EXPENSE.
35. NO EQUIPMENT WILL BE ALLOWED WITHIN 120' OF THE PRIMARY RUNWAY 2-20 CENTERLINE. NO EQUIPMENT WILL BE PARKED OR STORED WITHIN 400' OF THE PRIMARY RUNWAY 2-20 CENTERLINE.
36. NO EQUIPMENT WILL BE ALLOWED WITHIN 39.5' OF THE TAXIWAY'S CENTERLINE. NO EQUIPMENT WILL BE PARKED OR STORED WITHIN 65.5' OF TAXIWAY ALPHA'S CENTERLINE.
37. THE EXISTING AIRPORT PAVEMENTS ARE DESIGNED FOR AIRCRAFT TRAFFIC ONLY, AND MAY NOT SUPPORT LOADED TRUCK OR HEAVY EQUIPMENT. ANY DAMAGE RESULTING FROM THE CONTRACTOR'S ACTIONS WILL BE IMMEDIATELY REPAIRED TO FAA STANDARDS AT THE CONTRACTOR'S EXPENSE.



CROSS SECTION OF RUNWAY



PROFILE

RUNWAY END	A	B	C
2	60'	764.0'	20
20	60'	763.2'	20

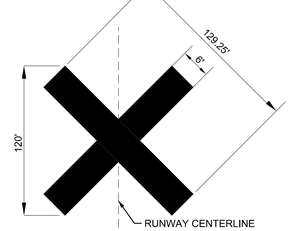
FAR PART 77 SURFACES
DRAWING NOT TO SCALE

NOTE;
THE PART 77 SECTION VIEW IS CENTERED ON THE RUNWAY CENTERLINE AT THE CENTERLINE ELEVATION, AND ON THE EXTENDED RUNWAY CENTERLINE AT THE RUNWAY THRESHOLD ELEVATION TO A POINT 200 FEET BEYOND EACH THRESHOLD. THE SECTION THEN RISES ALONG THE SLOPE INDICATED ON THE PROFILE VIEW.

PAVEMENT	SAFETY AREA WIDTH*
R/W 2-20	120'

*ALL DISTANCES ARE CENTERED ABOUT THE CENTERLINE OF THE AREA LISTED.

SAFETY AREA DIMENSIONS



NOTES:
1. CONTRACTOR SHALL BE REQURIED TO PROVIDE AND MAINTAIN TEMPORARY RUNWAY CLOSURE MARKERS.
2. THE TEMPORARY CLOSED RUNWAY MARKINGS SHALL BE AVIATION YELLOW AND MAY BE CONSTRUCTED OF MATERIAL SUCH AS FABRIC OR PLYWOOD.
3. PLACE MARKINGS AS SHOWN ON THIS SHEET. THE LOCATION OF THE TEMPORARY CLOSED RUNWAY MARKERS SHALL BE PLACED ON THE RUNWAY CENTERLINE.
4. FOR RUNWAYS THAT HAVE BEEN TEMPORARILY CLOSED, PLACE MARKER AT EACH END OF THE RUNWAY DIRECTLY ON OR AS NEAR AS PRACTICABLE TO THE RUNWAY DESIGNATION NUMBERS.
5. FOR A MULTIPLE RUNWAY ENVIRONMENT, IF THE CLOSURE MARKER ON A DESIGNATED NUMBER WILL BE LOCATED IN THE RSA OF AN ADJACENT ACTIVE RUNWAY, LOCATE THE MARKER FARTHER DOWN THE CLOSED RUNWAY TO CLEAR THE RSA OF THE ACTIVE RUNWAY.

1 / C3.01 RUNWAY CLOSURE MARKER
SCALE: N.T.S.

AIRPORT CONTACT INFORMATION;
WOODY WOODRUFF
2650 AIRPORT ROAD, CENTERVILLE, TN 37033
(931) 729-3032

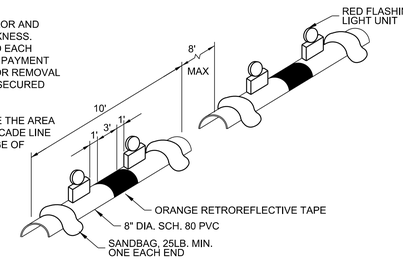
LOCAL EMERGENCY PHONE NUMBERS;
EMERGENCY:
911

CENTERVILLE POLICE DEPARTMENT:
(931) 729-5146

CENTERVILLE FIRE DEPARTMENT:
(931) 729-5146

LIQUIDATED DAMAGES;
$1,000 PER CALENDAR DAY

NOTES:
1. CAUTION LIGHTS TO BE RED IN COLOR AND FLASHING DURING HOURS OF DARKNESS. UNITS TO BE PLACED ADJACENT TO EACH OTHER. THERE WILL BE NO DIRECT PAYMENT FOR FURNISHING, MAINTENANCE, OR REMOVAL OF THIS BARRIER. UNITS MUST BE SECURED TO PVC.
2. ALL BARRICADES SHALL DELINEATE THE AREA TO BE PROTECTED AND THE BARRICADE LINE SHALL EXTEND TO 10' OFF THE EDGE OF EITHER SIDE OF ANY PAVEMENT.



2 / C3.01 AIRFIELD BARRICADE DETAIL
SCALE: N.T.S.

BARGE DESIGN SOLUTIONS
615 3rd Avenue South // Suite 700 // Nashville, Tennessee 37210
PHONE (615) 254-1500 // FAX (615) 255-6572

JEREMY O. GREEN — REGISTERED ENGINEER — No. 121091 — STATE OF TENNESSEE
5/22/19

CONSTRUCTION SAFETY & PHASING PLAN (CSPP)

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
CENTERVILLE MUNICIPAL AIRPORT, GHM
CENTERVILLE, TENNESSEE

REV.	DR.	CHK.	DATE	REVISION INFORMATION
	JKB	JDG	04/26/2019	ISSUED FOR 90% REVIEW
	JAC	JDG	05/22/2019	ISSUED FOR BID

C3.01

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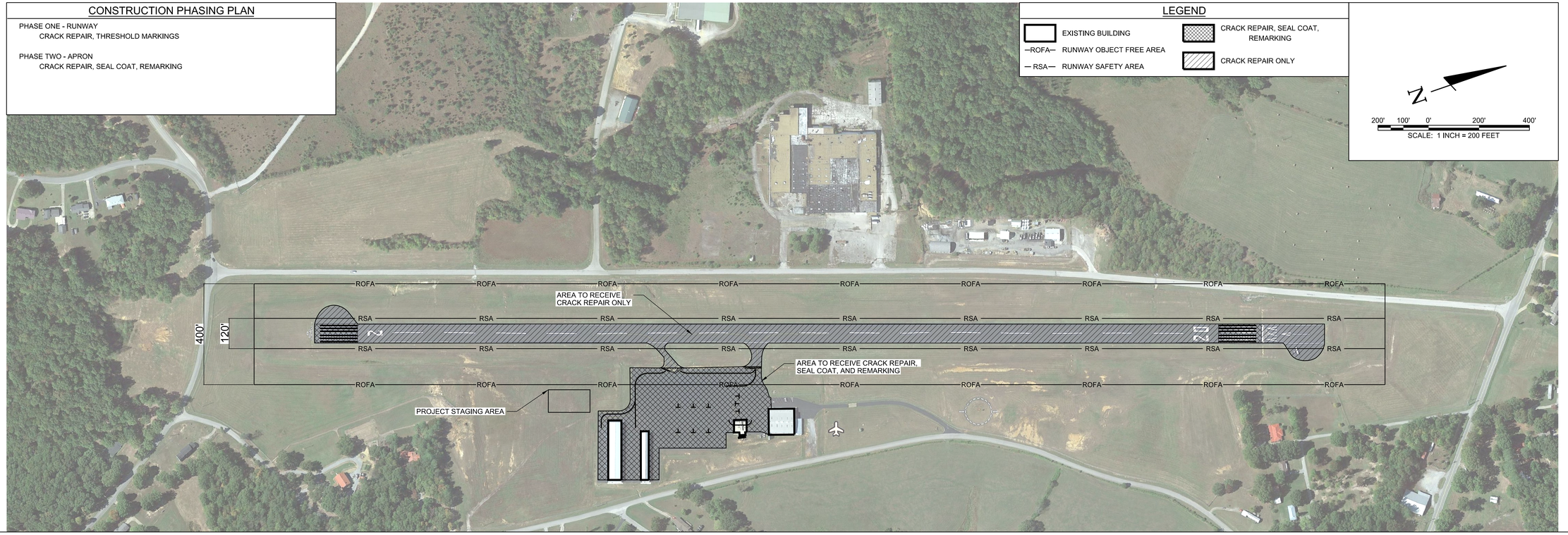
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CONSTRUCTION PHASING PLAN

PHASE ONE - RUNWAY
CRACK REPAIR, THRESHOLD MARKINGS

PHASE TWO - APRON
CRACK REPAIR, SEAL COAT, REMARKING



SCHEDULE OF QUANTITIES

CENTERVILLE MUNICIPAL AIRPORT, GHM

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	21,000
P-101-5.2	CRACK REPAIR (TYPE II)	LF	300
P-101-5.3	AIRFIELD PAVEMENT MARKING REMOVAL	SF	11,330
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	24,300
P-620-5.1	TEMPORARY WHITE PAINT	SF	10,400
P-620-5.2	TEMPORARY YELLOW PAINT	SF	1,820
P-620-5.3	WHITE PAINT WITH REFLECTIVE MEDIA	SF	10,400
P-620-5.4	YELLOW PAINT WITH REFLECTIVE MEDIA	SF	1,820

BARGE DESIGN SOLUTIONS
615 3rd Avenue South // Suite 700 // Nashville, Tennessee 37210
PHONE (615) 254-1500 // FAX (615) 255-6572

JEREMY O. GREEN
REGISTERED ENGINEER
No. 121091
STATE OF TENNESSEE
5/22/19

OVERALL SITE LAYOUT PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
CENTERVILLE MUNICIPAL AIRPORT, GHM
CENTERVILLE, TENNESSEE

REV.	DR.	CHK.	DATE	REVISION INFORMATION DESCRIPTION
	JKB	JDG	04/26/2019	ISSUED FOR 90% REVIEW
	JAC	JDG	05/22/2019	ISSUED FOR BID

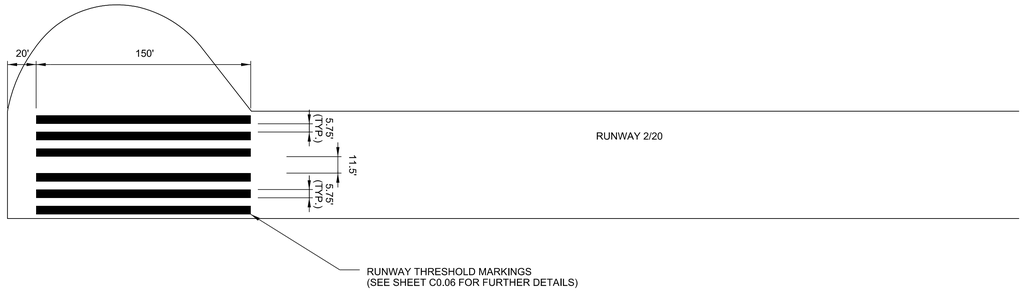
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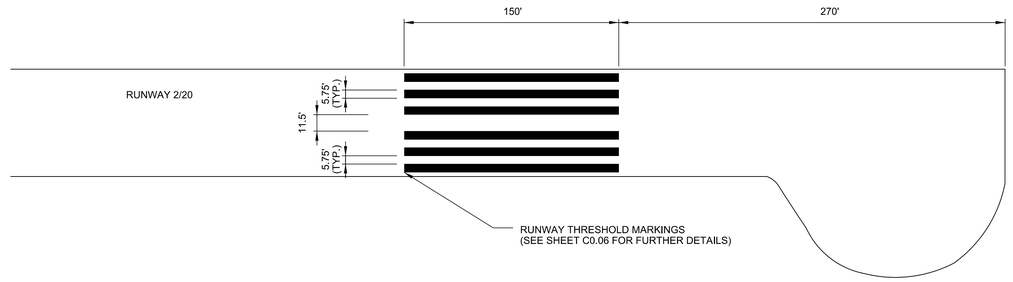
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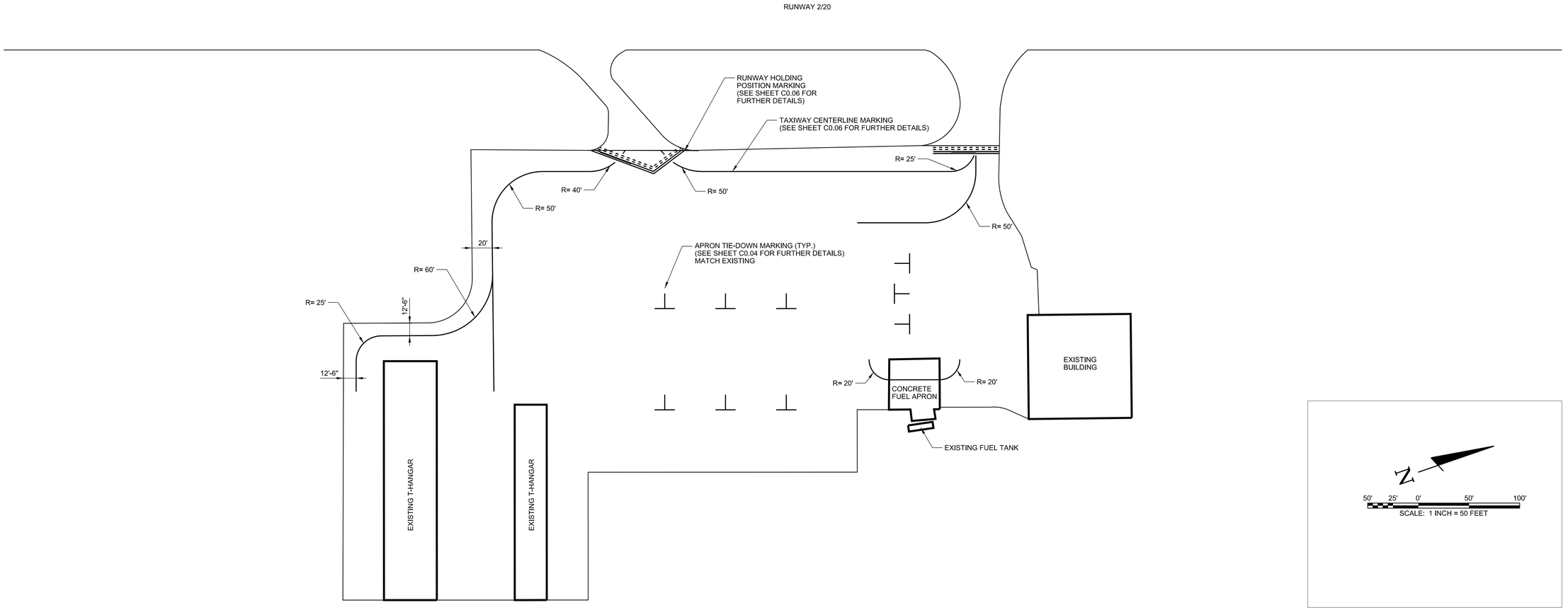
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615 3rd Avenue South // Suite 700 // Nashville, Tennessee 37210
PHONE (615) 254-1500 // FAX (615) 255-6572

JEREMY O. GREEN
REGISTERED ENGINEER
No. 121791
STATE OF TENNESSEE
5/22/19

AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
CENTERVILLE MUNICIPAL AIRPORT, GHM
CENTERVILLE, TENNESSEE

REV.	DR.	CHK.	DATE	REVISION INFORMATION DESCRIPTION
	JKB	JDG	04/26/2019	ISSUED FOR 90% REVIEW
	JAC	JDG	05/22/2019	ISSUED FOR BID

C3.03

FILE NO. 36821-03

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CONSTRUCTION PHASING PLAN

PHASE ONE - RUNWAY & TAXIWAY (7 CALENDAR DAYS)
CRACK REPAIR, SEAL COAT, REMARKING (RUNWAY CLOSED)

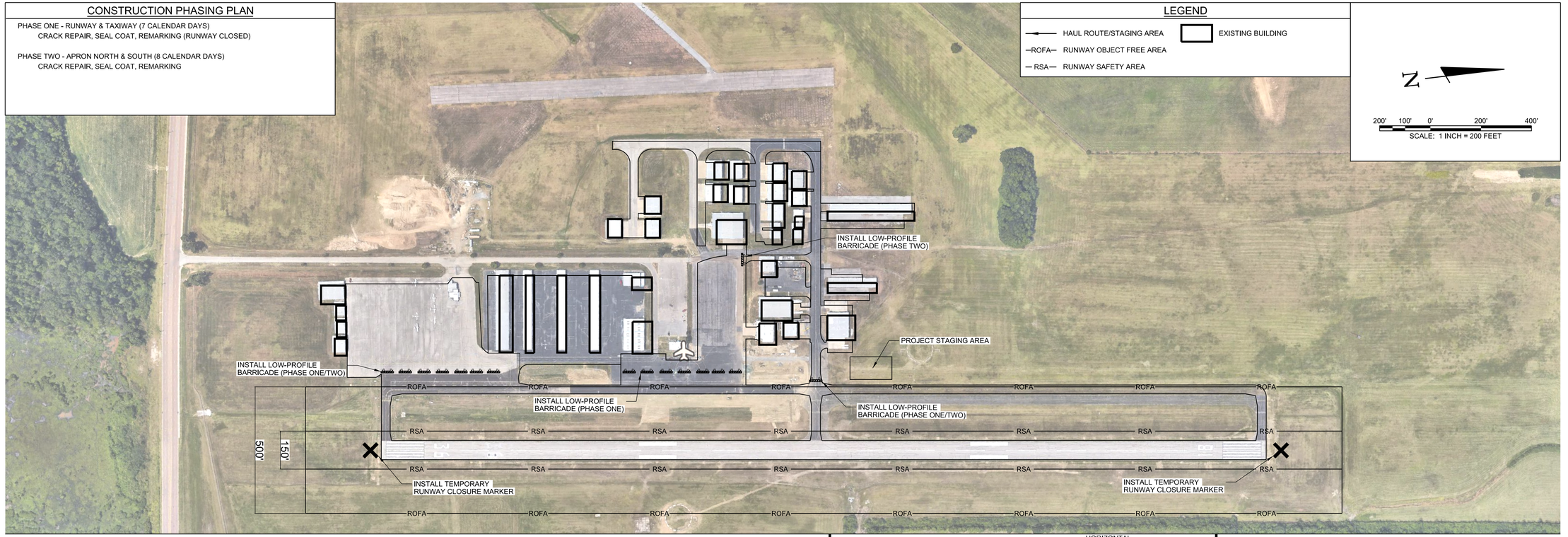
PHASE TWO - APRON NORTH & SOUTH (8 CALENDAR DAYS)
CRACK REPAIR, SEAL COAT, REMARKING

LEGEND

HAUL ROUTE/STAGING AREA
EXISTING BUILDING
ROFA RUNWAY OBJECT FREE AREA
RSA RUNWAY SAFETY AREA

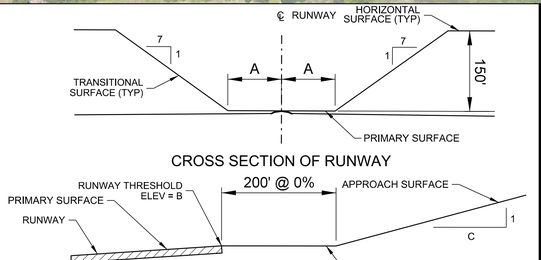
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200' 100' 0' 200' 400'
SCALE: 1 INCH = 200 FEET



CONSTRUCTION SAFETY NOTES

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER AND THE OWNER NOT LESS THAN TWO (2) DAYS PRIOR TO ENTERING THE CONSTRUCTION SITE FOR ANY PURPOSE SO THAT THEY MAY PUBLISH "NOTICES TO AIRMAN" OF THE CONSTRUCTION ACTIVITIES.
2. SUFFICIENT SWEEPERS AND CLEAN UP EQUIPMENT SHALL BE PROVIDED IN ORDER THAT ALL LOOSE MATERIAL, DEBRIS AND MUD CAN BE REMOVED FROM ALL AIRPORT OPERATIONS AREAS ON A CONTINUOUS BASIS.
3. NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR RADIOS, CONSTRUCTION OF AND MAINTENANCE OF HAUL ROUTES AND CONSTRUCTION ENTRANCE, ETC. AS INCLUDED IN THESE NOTES. ALL COSTS ASSOCIATED WITH THESE ITEMS MUST BE INCLUDED IN THE CONTRACT BID PRICES WHICH WOULD MOST LIKELY INCLUDE THEM.
4. THE CONTRACTOR AND PERSONNEL SHALL NOT, AT ANY TIME, BE ON THE RUNWAY OR TAXIWAYS UNLESS THE AIRPORT MANAGER GIVES PRIOR APPROVAL.
5. THE CONTRACTOR SHALL TAKE EXTREME CAUTION AROUND ALL EXISTING AIRPORT EQUIPMENT.
6. THE CONSTRUCTION ENTRANCE, STAGING AREA, EMPLOYEE PARKING, STOCKPILE AREA, WASTE AREA AND BORROW AREA SHALL BE COORDINATED WITH THE AIRPORT MANAGER.
7. THE CONTRACTOR SHALL HAVE A MAN ON 24-HOUR CALL FOR EMERGENCY MAINTENANCE OF AIRPORT HAZARD LIGHTING AND BARRICADES AND OTHER EMERGENCIES WHICH MAY ARISE AS A RESULT OF THIS WORK.
8. THE CONTRACTOR'S PERSONNEL AND EQUIPMENT SHALL NOT BE PERMITTED OUTSIDE THE CONSTRUCTION WORK LIMITS WITHOUT BEING ESCORTED BY THE OWNER APPROVED ESCORT.
9. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW THE SAFETY PROVISIONS INCORPORATED IN THE FOLLOWING FEDERAL AVIATION ADMINISTRATION (FAA) DOCUMENTS, WHICH ARE AVAILABLE FOR REVIEW BY DOWNLOADING THE DOCUMENTS ON-LINE AT HTTP://WWW.FAA.GOV:
   - 9.1 ADVISORY CIRCULAR NUMBER 150/5370-10H, "STANDARDS FOR SPECIFYING CONSTRUCTION OF AIRPORTS"
   - 9.2 ADVISORY CIRCULAR NUMBER 150/5370-2G, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION"
   - 9.3 ADVISORY CIRCULAR NUMBER 150/5210-5D, "PAINTING, MARKING, AND LIGHTING OF VEHICLES USED ON AN AIRPORT"
10. THE CONTRACTOR SHALL BE REQUIRED TO MINIMIZE DUST CREATED BY CONSTRUCTION ACTIVITIES USING WATER OR OTHER DEVICES. ANY COST ASSOCIATED WITH DUST CONTROL SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. IN THE EVENT DUST WHICH IS CREATED BY CONSTRUCTION ACTIVITIES BECOMES A HAZARD TO AIRFIELD OPERATIONS AND/OR AIRCRAFT NAVIGATION CONSTRUCTION ACTIVITES WILL BE SHUT DOWN. THIS SHUTDOWN TIME WILL NOT BE A BASIS FOR CLAIMS FOR ADDITIONAL CONTRACT TIME OR COMPENSATION.
11. AIRCRAFT OPERATIONS SHALL AT ALL TIMES HAVE PRIORITY OVER ALL VEHICLES, EQUIPMENT AND PERSONNEL. THE CONTRACTOR SHALL EMPLOY STRICT MEASURES TO PREVENT ANY CONFLICT BETWEEN HIS PERSONNEL AND AIRCRAFT ON ANY ACTIVE AIRFIELD PAVEMENT. THE CONTRACTOR SHALL REMAIN CLEAR OF ACTIVE RUNWAYS AND TAXIWAYS.
12. ALL CONTRACTOR VEHICLES, INCLUDING HAULING VEHICLES, THAT ARE AUTHORIZED TO OPERATE ON THE AIRPORT WITHIN THE DESIGNATED LIMITS OF CONSTRUCTION OR HAUL ROUTES AS DEFINED HEREIN, SHALL DISPLAY IN FULL VIEW ABOVE THE VEHICLE A 3'X3' OR LARGER ORANGE AND WHITE CHECKERBOARD FLAG. EACH CHECKERBOARD COLOR BEING 1' SQUARE. WHEN OPERATING DURING PERIODS OF DARKNESS OR LIMITED VISIBILITY, CONTRACTOR'S VEHICLE SHALL BE EQUIPPED WITH ROTATING OR FLASHING AMBER LIGHTS. DURING SUCH PERIODS, HAULING VEHICLES NOT SO EQUIPPED SHALL BE ESCORTED BY A VEHICLE SO EQUIPPED.
13. CONTRACTOR SHALL CONTROL THE ON-AIRPORT MOVEMENT AND ACTIVITIES OF ITS EMPLOYEES AND SUBCONTRACTORS.
14. OPEN-FLAME WELDING OR TORCH-CUTTING OPERATIONS ARE PROHIBITED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS HAVE BEEN APPROVED BY THE OWNER.
15. OPEN TRENCHES, EXCAVATIONS AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHALL BE PROMINENTLY MARKED WITH ORANGE FLAGS AND LIGHTED WITH FLASHING AMBER LIGHT UNITS (ACCEPTABLE TO THE OWNER) DURING HOURS OF RESTRICTED VISIBILITY OR DARKNESS.
16. STOCKPILED MATERIAL SHALL BE CONSTRAINED IN A MANNER TO PREVENT MOVEMENT AS A RESULT OF AIRCRAFT OR WIND.
17. ANY DAMAGE TO THE EXISTING AIRPORT LIGHTING SYSTEM CAUSED BY CONSTRUCTION OPERATIONS SHALL BE IMMEDIATELY NOTED TO THE OWNER AND REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE AND TO THE OWNER'S SPECIFICATIONS.
18. DEBRIS, WASTE AND LOOSE MATERIAL CAPABLE OF CAUSING DAMAGE TO AIRCRAFT LANDING GEAR, PROPELLERS AND ROTORS, OR OF BEING INGESTED BY JET ENGINES SHALL NOT BE LEFT ON ACTIVE AIRCRAFT MOVEMENT AREAS. MATERIAL DROPPED WITHIN THESE AREAS SHALL BE REMOVED CONTINUOUSLY DURING WORKING HOURS.
19. THE CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY REFLECTORIZED SIGNS TO CLEARLY MARK THE DESIGNATED ACCESS ROUTES TO AFFECTED AREAS OF AIRPORT PROPERTY. CONTRACTOR SHALL CONTROL ACCESS TO THE WORKING AREA BY CONSTRUCTION VEHICLES AS DELINEATED ON THIS PLAN.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMING ALL PERSONS UNDER THEIR CONTROL THAT UNAUTHORIZED CONSTRUCTION PERSONNEL FOUND IN RESTRICTED AREAS OF THE AIRPORT SHOWN ON THE SAFETY PLAN ARE SUBJECT TO ARREST FOR A PUNISHABLE FEDERAL OFFENSE AND WILL PROMPTLY AND PERMANENTLY BE REMOVED FROM THE JOB.
21. THE CONTRACTOR SHALL PROVIDE APPROVED FLAGMAN TO CONTROL ALL CONSTRUCTION TRAFFIC AND APPROVED GATE GUARD TO CONTROL ALL CONSTRUCTION TRAFFIC ENTERING PROJECT.
22. CONTRACTOR SHALL CONTROL AND ESCORT ALL CONSTRUCTION TRAFFIC ENTERING AIRPORT TO PREVENT CONFLICTS WITH AIRCRAFT OPERATIONS.
23. SPECIAL ACCESS REQUIREMENTS AND OPERATING LIMITATIONS ARE REQUIRED INSIDE THE SECURITY FENCE. THE CONTRACTOR SHALL DELINEATE WORK LIMITS WITHIN THESE AREAS USING STAKES WITH FLAGGING AS NOTED. CONFINE ALL CONTRACTOR'S PERSONNEL, EQUIPMENT AND MATERIALS INSIDE THE OWNER'S APPROVED WORK LIMITS.
24. THE CONTRACTOR SHALL PERFORM CONSTRUCTION OPERATIONS AS NECESSARY TO MINIMIZE ATTRACTION TO BIRDS CAUSED BY PONDED WATER AND GRASS SEED.
25. THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN FLASHING LIGHTS AND BARRICADES ALONG AIRCRAFT APRON EDGES OR WHERE TEMPORARY PAVEMENT CLOSURES OR AIRCRAFT LIMITATIONS ARE REQUIRED. BARRICADES SHALL BE SPACED NO MORE THAN 8 FEET ON CENTER OR AS NOTED ALONG THE AFFECTED PAVEMENT EDGE OR ACROSS THE PAVEMENT OF A CLOSED TAXIWAY. THE CONTRACTOR SHALL DAILY MAINTAIN THE LIGHTS AND BARRICADES IN AN OPERABLE CONDITION FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL FURNISH THE OWNER A CONTACT NUMBER FOR 24-HOUR MAINTENANCE OF LIGHTS AND BARRICADES. THE COST FOR BARRICADES AND LIGHTS SHALL BE INCIDENTAL TO THE PROJECT.
26. NO CONSTRUCTION TRAFFIC SHALL ENTER OR CROSS ANY ACTIVE AIRPORT OPERATIONAL AREA EXCEPT UPON AUTHORIZATION BY THE OWNER.
27. REFER TO THE GENERAL NOTES FOR REQUIREMENTS PERTAINING TO STORAGE OF CONSTRUCTION EQUIPMENT AND MATERIALS WHEN NOT IN USE.
28. THE CONTRACTOR SHALL COMPLY WITH ALL SECURITY REQUIREMENTS SPECIFIED HEREIN. THE CONTRACTOR SHALL DESIGNATE IN WRITING TO THE OWNER THE NAME OF ITS "CONTRACTOR SECURITY OFFICER". THE CONTRACTOR SECURITY OFFICER SHALL REPRESENT THE CONTRACTOR ON THE SECURITY REQUIREMENTS OF THE CONTRACT.
29. THE CONTRACTOR'S SECURITY OFFICER SHALL BE RESPONSIBLE FOR BRIEFING ALL CONTRACTOR PERSONNEL ON THESE REQUIREMENTS. CONTRACTOR EMPLOYEES SHALL ATTEND THE OWNER'S SECURITY TRAINING SESSION AND SHALL BE BRIEFED ON THESE REQUIREMENTS PRIOR TO WORKING IN THE CONSTRUCTION AREAS.
30. THE CONTRACTOR SHALL ACQUAINT THEIR SUPERVISORS AND EMPLOYEES WITH THE AIRPORT ACTIVITIES AND OPERATIONS THAT ARE INHERENT AT THIS AIRPORT AND SHALL CONDUCT THEIR CONSTRUCTION ACTIVITIES TO CONFORM TO ALL ROUTINE AND EMERGENCY AIR TRAFFIC REQUIREMENTS AND TO THE GUIDELINES ON SAFETY.
31. CONTRACTOR TO FIELD VERIFY AND PROTECT ALL EXISTING UTILITIES BEFORE CONSTRUCTION WORK BEGINS.
32. ALL LOCATIONS USED FOR HAUL ROUTES, STAGING AREAS, EMPLOYEE PARKING AND MATERIAL STORAGE SHALL BE CLEANED UP WHEN ALL CONSTRUCTION IS COMPLETED.
33. ALL FOREMAN'S SUPERINTENDANT'S VEHICLES SHALL CONTAIN RADIOS CAPABLE OF TRANSMITTING AND RECEIVING ON THE UNICOM FREQUENCY OF 122.80. NORMAL RADIO COMMUNICATIONS BETWEEN CONTRACTOR PERSONNEL WILL NOT BE ALLOWED ON THE UNICOM FREQUENCY OF 122.80 OR ANY OTHER FAA FREQUENCY. THE CONTRACTOR IS REQUIRED TO MONITOR THE AIRPORT FREQUENCY WHENEVER THEIR FORCES ARE ON AIRPORT PROPERTY, WHETHER OR NOT THE RUNWAY IS OPEN OR CLOSED.
34. THE CONTRACTOR IS ENCOURAGED TO DOCUMENT VIA PICTURES AND/OR VIDEO THE PRE-CONSTRUCTION CONDITION OF ALL PAVEMENTS AND STRUCTURES. ANY DAMAGE NOTICED AFTER THE CONTRACTOR'S MOBILIZATION WILL BE ASSUMED TO BE CAUSED BY THE CONTRACTOR AND SHALL BE FULLY REPAIRED AT THE CONTRACTOR'S EXPENSE.
35. NO EQUIPMENT WILL BE ALLOWED WITHIN 150' OF THE PRIMARY RUNWAY 18-36 CENTERLINE. NO EQUIPMENT WILL BE PARKED OR STORED WITHIN 500' OF THE PRIMARY RUNWAY 18-36 CENTERLINE.
36. NO EQUIPMENT WILL BE ALLOWED WITHIN 39.5' OF THE TAXIWAY'S CENTERLINE. NO EQUIPMENT WILL BE PARKED OR STORED WITHIN 65.5' OF TAXIWAY ALPHA'S CENTERLINE.
37. THE EXISTING AIRPORT PAVEMENTS ARE DESIGNED FOR AIRCRAFT TRAFFIC ONLY, AND MAY NOT SUPPORT LOADED TRUCK OR HEAVY EQUIPMENT. ANY DAMAGE RESULTING FROM THE CONTRACTOR'S ACTIONS WILL BE IMMEDIATELY REPAIRED TO FAA STANDARDS AT THE CONTRACTOR'S EXPENSE.



CROSS SECTION OF RUNWAY

PROFILE

RUNWAY END	A	B	C
18	75'	246.7'	34
36	75'	242.2'	34

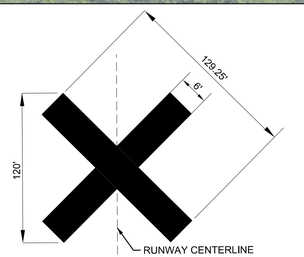
FAR PART 77 SURFACES
DRAWING NOT TO SCALE

NOTE:
THE PART 77 SECTION VIEW IS CENTERED ON THE RUNWAY CENTERLINE AT THE CENTERLINE ELEVATION, AND ON THE EXTENDED RUNWAY CENTERLINE AT THE RUNWAY THRESHOLD ELEVATION TO A POINT 200 FEET BEYOND EACH THRESHOLD. THE SECTION THEN RISES ALONG THE SLOPE INDICATED ON THE PROFILE VIEW.

PAVEMENT	SAFETY AREA WIDTH*
R/W 18-36	150'

*ALL DISTANCES ARE CENTERED ABOUT THE CENTERLINE OF THE AREA LISTED.

SAFETY AREA DIMENSIONS



NOTES:
1. CONTRACTOR SHALL BE REQURIED TO PROVIDE AND MAINTAIN TEMPORARY RUNWAY CLOSURE MARKERS.
2. THE TEMPORARY CLOSED RUNWAY MARKINGS SHALL BE AVIATION YELLOW AND MAY BE CONSTRUCTED OF MATERIAL SUCH AS FABRIC OR PLYWOOD.
3. PLACE MARKINGS AS SHOWN ON THIS SHEET. THE LOCATION OF THE TEMPORARY CLOSED RUNWAY MARKERS SHALL BE PLACED ON THE RUNWAY CENTERLINE.
4. FOR RUNWAYS THAT HAVE BEEN TEMPORARILY CLOSED, PLACE MARKER AT EACH END OF THE RUNWAY DIRECTLY ON OR AS NEAR AS PRACTICABLE TO THE RUNWAY DESIGNATION NUMBERS.
5. FOR A MULTIPLE RUNWAY ENVIRONMENT, IF THE CLOSURE MARKER ON A DESIGNATED NUMBER WILL BE LOCATED IN THE RSA OF AN ADJACENT ACTIVE RUNWAY, LOCATE THE MARKER FARTHER DOWN THE CLOSED RUNWAY TO CLEAR THE RSA OF THE ACTIVE RUNWAY.

1 / C4.01 RUNWAY CLOSURE MARKER
SCALE: N.T.S.

AIRPORT CONTACT INFORMATION:
JASON MCBRIDE
2787 NORTH SECOND STREET, MEMPHIS, TN 38127
(901) 358-0028

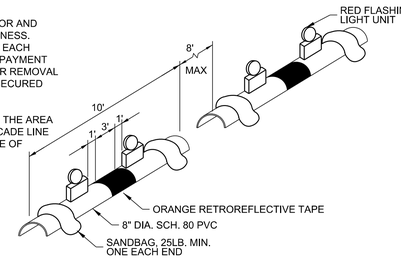
LOCAL EMERGENCY PHONE NUMBERS:
EMERGENCY:
911

MEMPHIS POLICE DEPARTMENT:
(901) 545-2677

MEMPHIS FIRE DEPARTMENT:
(901) 636-1400

LIQUIDATED DAMAGES:
$1,000 PER CALENDAR DAY

NOTES:
1. CAUTION LIGHTS TO BE RED IN COLOR AND FLASHING DURING HOURS OF DARKNESS. UNITS TO BE PLACED ADJACENT TO EACH OTHER. THERE WILL BE NO DIRECT PAYMENT FOR FURNISHING, MAINTENANCE, OR REMOVAL OF THIS BARRIER. UNITS MUST BE SECURED TO PVC.
2. ALL BARRICADES SHALL DELINEATE THE AREA TO BE PROTECTED AND THE BARRICADE LINE SHALL EXTEND TO 10' OFF THE EDGE OF EITHER SIDE OF ANY PAVEMENT.



2 / C4.01 AIRFIELD BARRICADE DETAIL
SCALE: N.T.S.

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615 3rd Avenue South // Suite 700 // Nashville, Tennessee 37210
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JEREMY O. GREEN — REGISTERED ENGINEER — No. 121991 — STATE OF TENNESSEE
5/22/19

CONSTRUCTION SAFETY & PHASING PLAN (CSPP)

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
CHARLES W BAKER AIRPORT, 2M8
MILLINGTON, TENNESSEE

REV.	DR.	CHK.	DATE	REVISION INFORMATION
	JKB	JOG	04/26/2019	ISSUED FOR 90% REVIEW
	JAC	JOG	05/22/2019	ISSUED FOR BID

C4.01

FILE NO. 36821-03

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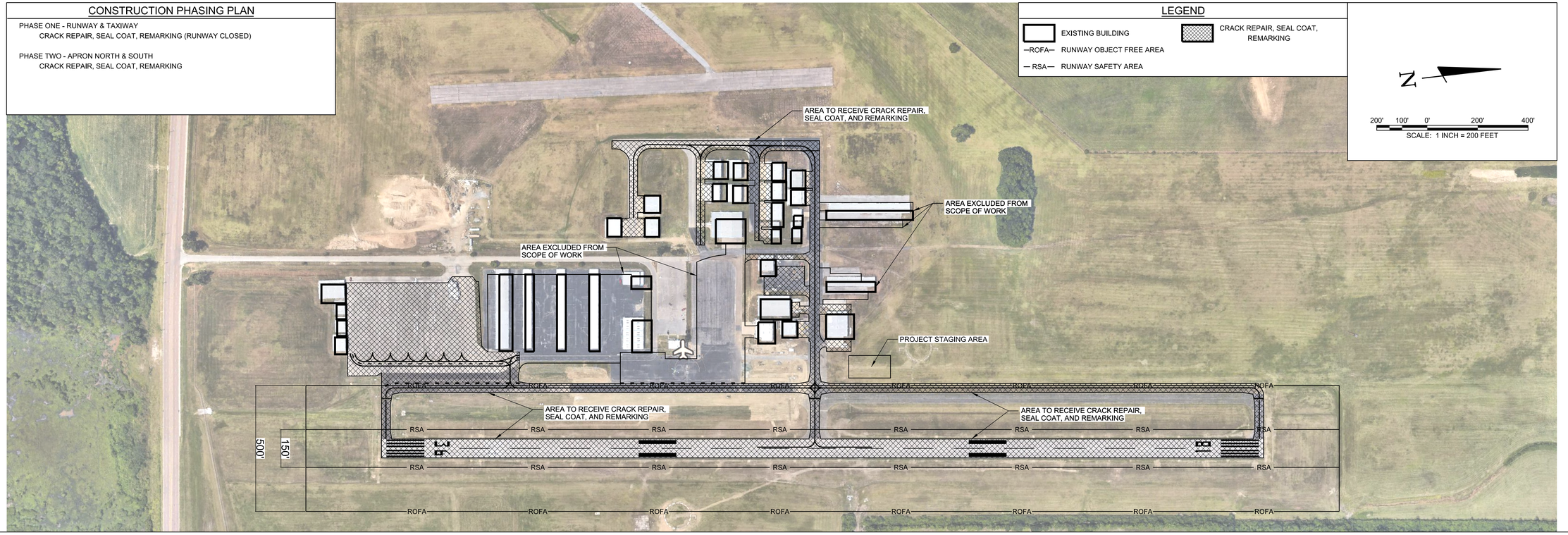
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CONSTRUCTION PHASING PLAN

PHASE ONE - RUNWAY & TAXIWAY
CRACK REPAIR, SEAL COAT, REMARKING (RUNWAY CLOSED)

PHASE TWO - APRON NORTH & SOUTH
CRACK REPAIR, SEAL COAT, REMARKING



SCHEDULE OF QUANTITIES

CHARLES W. BAKER AIRPORT, 2M8

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	30,900
P-101-5.2	CRACK REPAIR (TYPE II)	LF	200
P-101-5.3	AIRFIELD PAVEMENT MARKING REMOVAL	SF	50,600
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	89,700
P-620-5.1	TEMPORARY WHITE PAINT	SF	34,500
P-620-5.2	TEMPORARY YELLOW PAINT	SF	5,200
P-620-5.3	WHITE PAINT WITH REFLECTIVE MEDIA	SF	34,500
P-620-5.4	YELLOW PAINT WITH REFLECTIVE MEDIA	SF	5,200

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JEREMY O. GREEN
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STATE OF TENNESSEE
5/22/19

OVERALL SITE LAYOUT PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
CHARLES W BAKER AIRPORT, 2M8
MILLINGTON, TENNESSEE

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	JAC	JDG	05/22/2019	ISSUED FOR BID

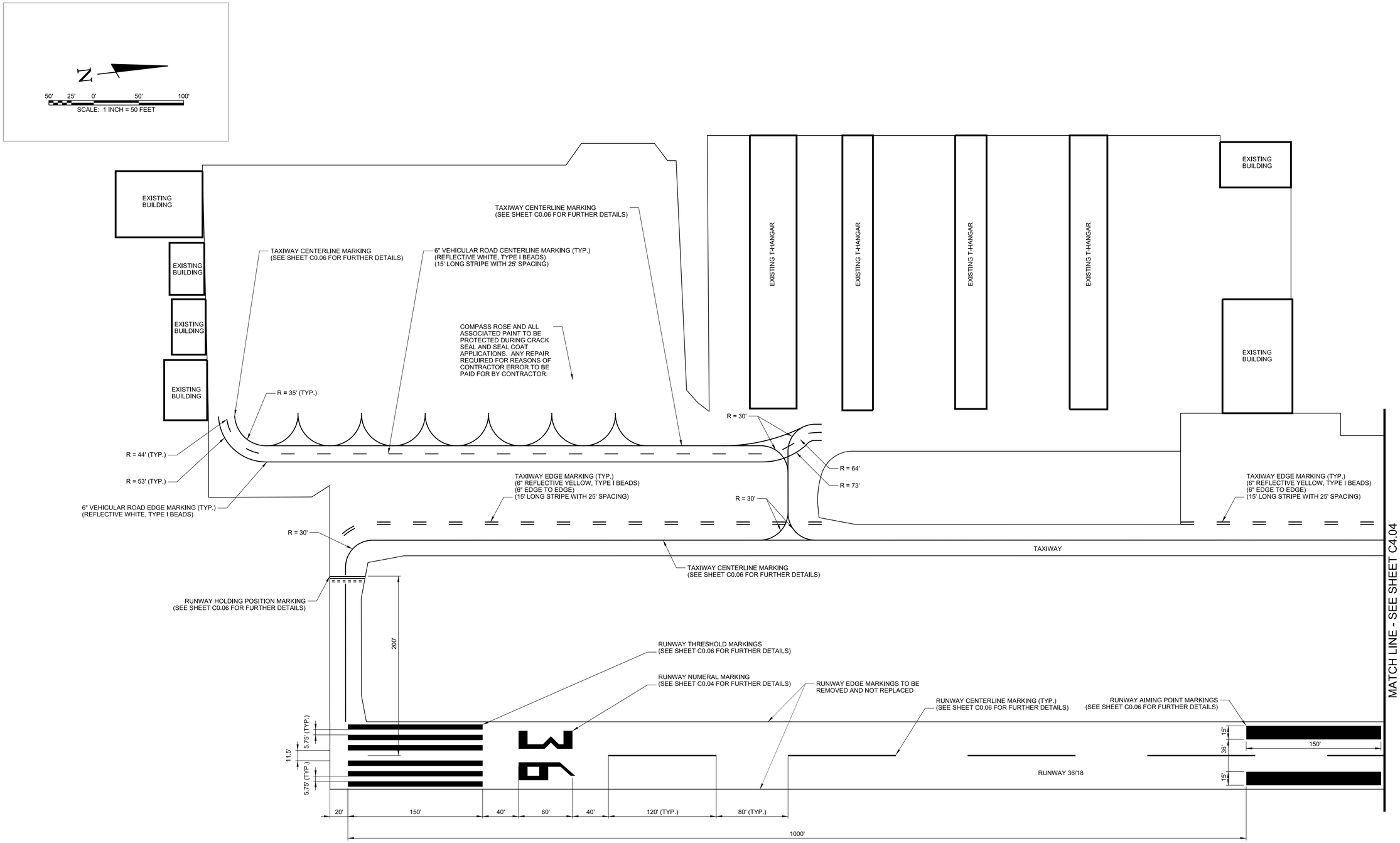
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REGISTERED ENGINEER
NO. 121991
STATE OF TENNESSEE
5/22/19

AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
CHARLES W BAKER AIRPORT, 2M8
MILLINGTON, TENNESSEE

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	JAC	JDG	05/22/2019	ISSUED FOR BID

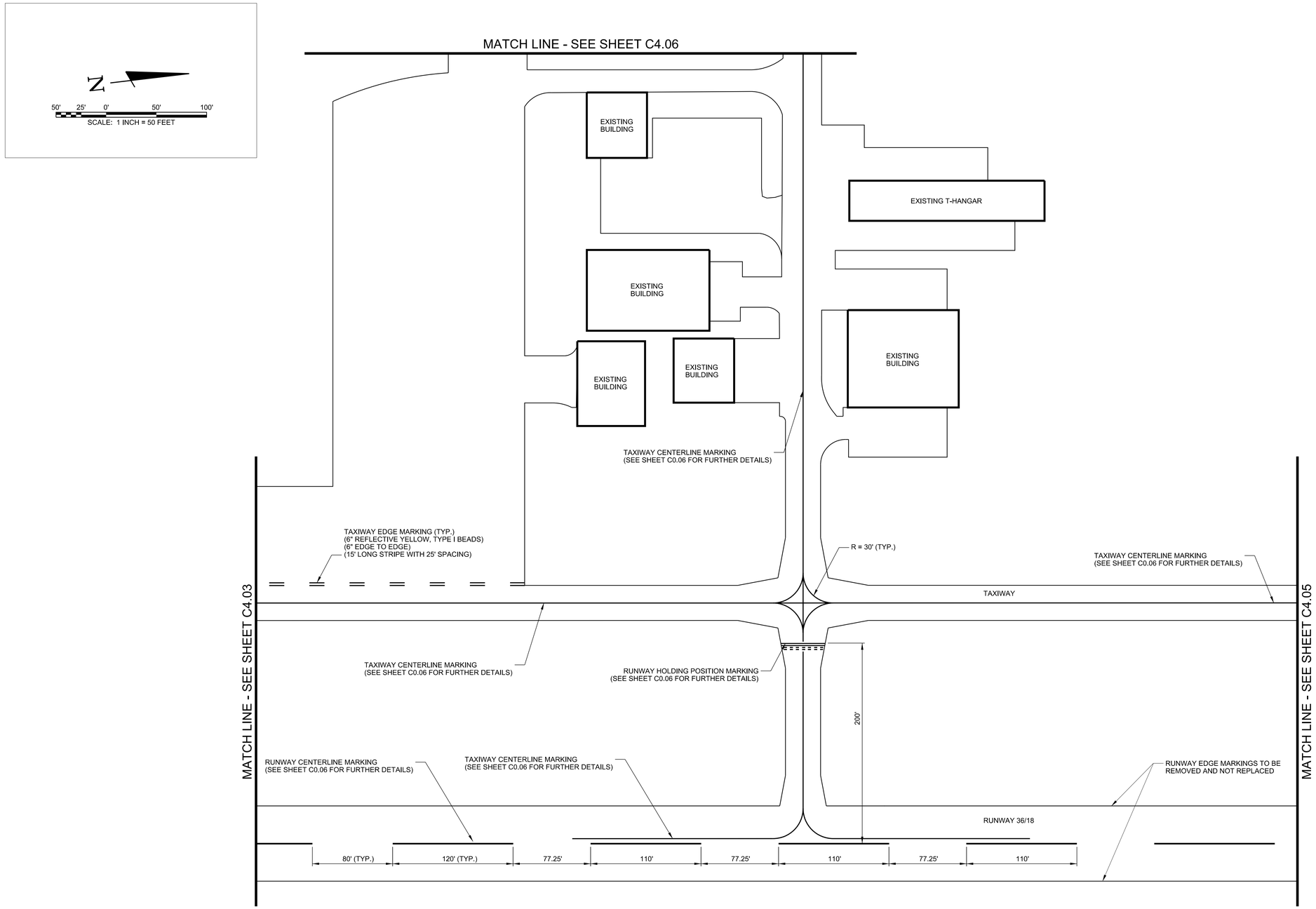
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JEREMY O. GREEN
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STATE OF TENNESSEE
5/22/19

AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
CHARLES W BAKER AIRPORT, 2M8
MILLINGTON, TENNESSEE

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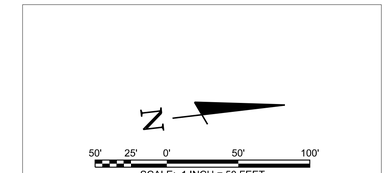
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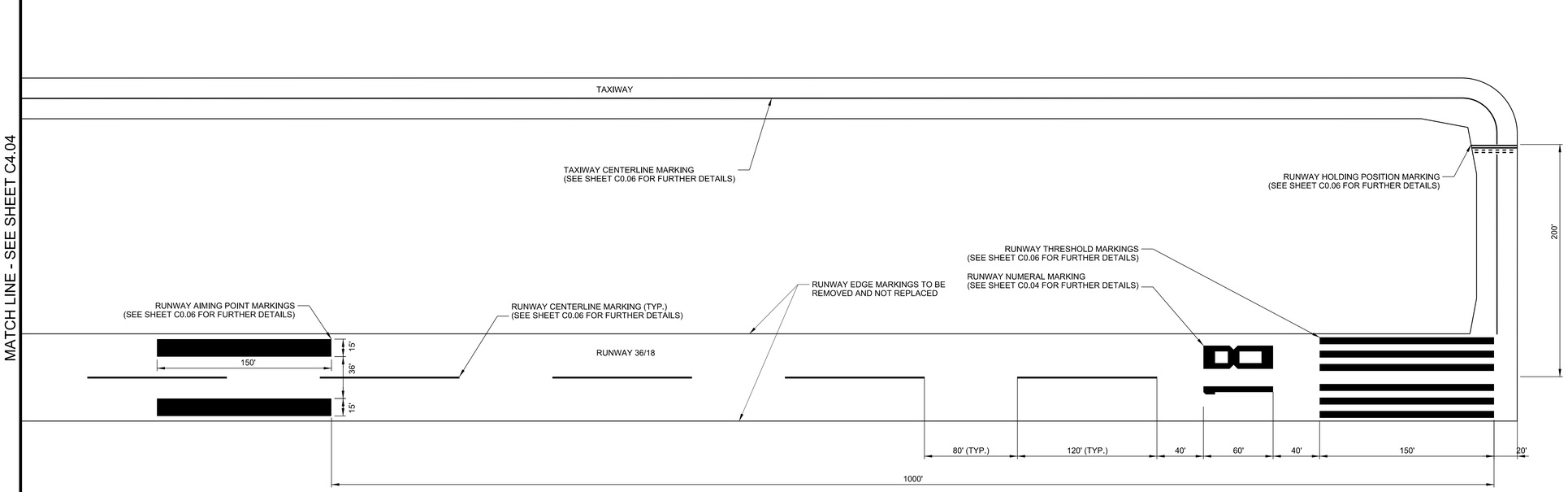
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REGISTERED ENGINEER
No. 121791
STATE OF TENNESSEE
5/22/19

MATCH LINE - SEE SHEET C4.04



AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
CHARLES W BAKER AIRPORT, 2M8
MILLINGTON, TENNESSEE

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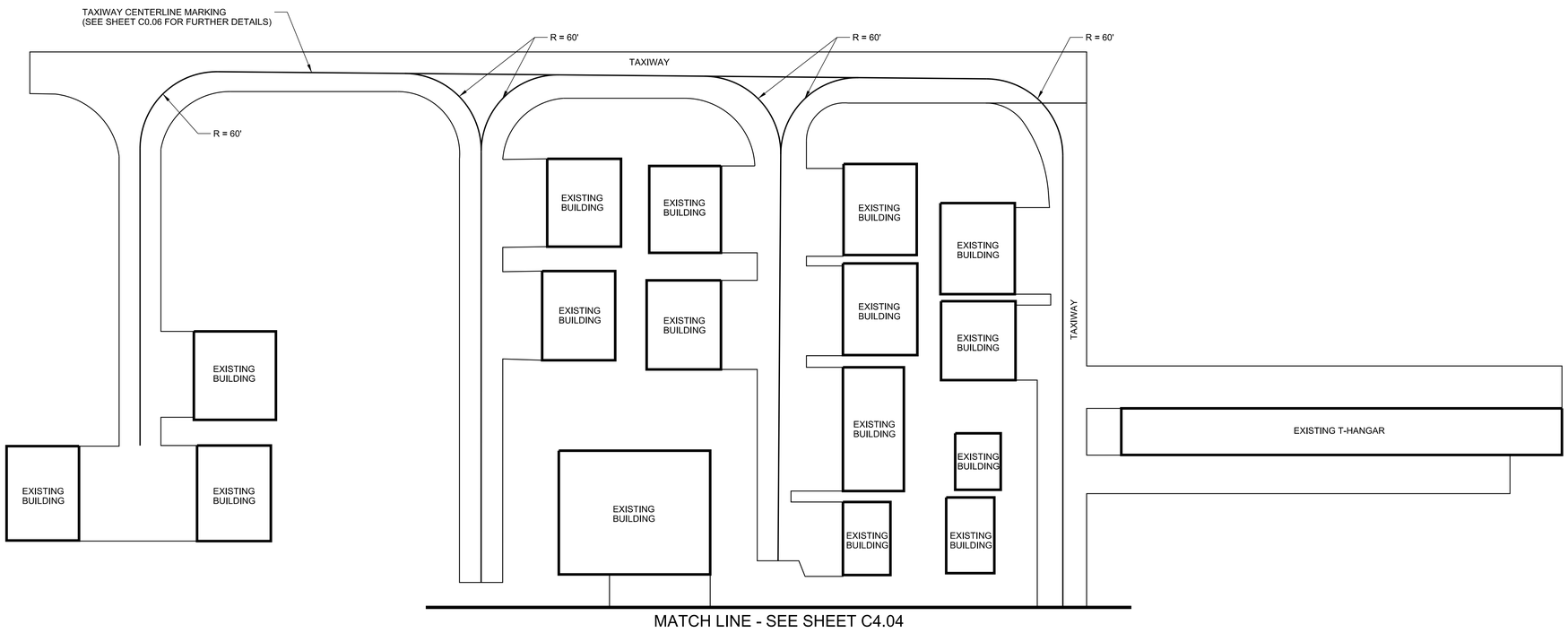
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N

50' 25' 0' 50' 100'

SCALE: 1 INCH = 50 FEET

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JEREMY GREEN
REGISTERED ENGINEER
No. 121791
STATE OF TENNESSEE
5/22/19

AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
CHARLES W BAKER AIRPORT, 2M8
MILLINGTON, TENNESSEE

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CONSTRUCTION PHASING PLAN

PHASE ONE - RUNWAY (8 CALENDAR DAYS)
CRACK REPAIR, SEAL COAT, REMARKING (RUNWAY CLOSED)

PHASE TWO - TAXIWAY NORTH (4 CALENDAR DAYS)
CRACK REPAIR, SEAL COAT, REMARKING

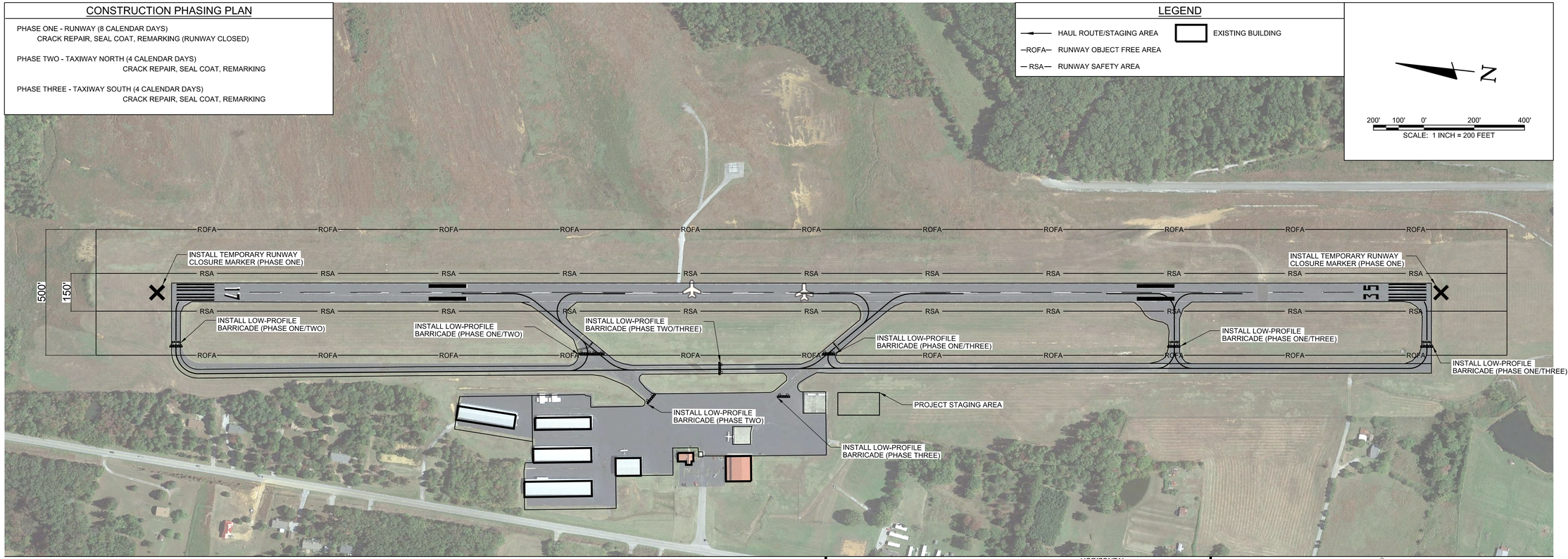
PHASE THREE - TAXIWAY SOUTH (4 CALENDAR DAYS)
CRACK REPAIR, SEAL COAT, REMARKING

LEGEND

HAUL ROUTE/STAGING AREA
EXISTING BUILDING
ROFA RUNWAY OBJECT FREE AREA
RSA RUNWAY SAFETY AREA

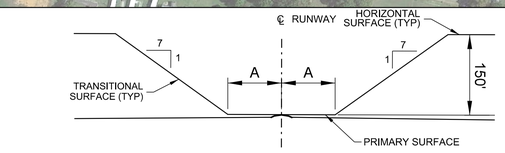
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200' 100' 0' 200' 400'
SCALE: 1 INCH = 200 FEET

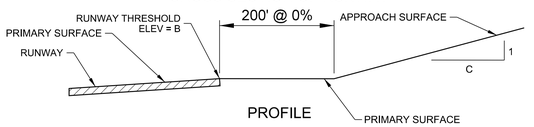


CONSTRUCTION SAFETY NOTES

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER AND THE OWNER NOT LESS THAN TWO (2) DAYS PRIOR TO ENTERING THE CONSTRUCTION SITE FOR ANY PURPOSE SO THAT THEY MAY PUBLISH "NOTICES TO AIRMAN" OF THE CONSTRUCTION ACTIVITIES.
2. SUFFICIENT SWEEPERS AND CLEAN UP EQUIPMENT SHALL BE PROVIDED IN ORDER THAT ALL LOOSE MATERIAL, DEBRIS AND MUD CAN BE REMOVED FROM ALL AIRPORT OPERATIONS AREAS ON A CONTINUOUS BASIS.
3. NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR RADIOS, CONSTRUCTION OF AND MAINTENANCE OF HAUL ROUTES AND CONSTRUCTION ENTRANCE, ETC. AS INCLUDED IN THESE NOTES. ALL COSTS ASSOCIATED WITH THESE ITEMS MUST BE INCLUDED IN THE CONTRACT BID PRICES WHICH WOULD MOST LIKELY INCLUDE THEM.
4. THE CONTRACTOR AND PERSONNEL SHALL NOT, AT ANY TIME, BE ON THE RUNWAY OR TAXIWAYS UNLESS THE AIRPORT MANAGER GIVES PRIOR APPROVAL.
5. THE CONTRACTOR SHALL TAKE EXTREME CAUTION AROUND ALL EXISTING AIRPORT EQUIPMENT.
6. THE CONSTRUCTION ENTRANCE, STAGING AREA, EMPLOYEE PARKING, STOCKPILE AREA, WASTE AREA AND BORROW AREA SHALL BE COORDINATED WITH THE AIRPORT MANAGER.
7. THE CONTRACTOR SHALL HAVE A MAN ON 24-HOUR CALL FOR EMERGENCY MAINTENANCE OF AIRPORT HAZARD LIGHTING AND BARRICADES AND OTHER EMERGENCIES WHICH MAY ARISE AS A RESULT OF THIS WORK.
8. THE CONTRACTOR'S PERSONNEL AND EQUIPMENT SHALL NOT BE PERMITTED OUTSIDE THE CONSTRUCTION WORK LIMITS WITHOUT BEING ESCORTED BY THE OWNER APPROVED ESCORT.
9. IT SHALL BE THE RESPONSIBILTY OF THE CONTRACTOR TO REVIEW THE SAFETY PROVISIONS INCORPORATED IN THE FOLLOWING FEDERAL AVIATION ADMINISTRATION (FAA) DOCUMENTS, WHICH ARE AVAILABLE FOR REVIEW BY DOWNLOADING THE DOCUMENTS ON-LINE AT HTTP://WWW.FAA.GOV:
   - 9.1 ADVISORY CIRCULAR NUMBER 150/5370-10H, "STANDARDS FOR SPECIFYING CONSTRUCTION OF AIRPORTS"
   - 9.2 ADVISORY CIRCULAR NUMBER 150/5370-2G, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTON"
   - 9.3 ADVISORY CIRCULAR NUMBER 150/5210-5D, "PAINTING, MARKING, AND LIGHTING OF VEHICLES USED ON `AN AIRPORT"
10. THE CONTRACTOR SHALL BE REQUIRED TO MINIMIZE DUST CREATED BY CONSTRUCTION ACTIVITIES USING WATER OR OTHER DEVICES. ANY COST ASSOCIATED WITH DUST CONTROL SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. IN THE EVENT DUST WHICH IS CREATED BY CONSTRUCTION ACTIVITIES BECOMES A HAZARD TO AIRFIELD OPERATIONS AND/OR AIRCRAFT NAVIGATION CONSTRUCTION ACTIVITES WILL BE SHUT DOWN. THIS SHUTDOWN TIME WILL NOT BE A BASIS FOR CLAIMS FOR ADDITIONAL CONTRACT TIME OR COMPENSATION.
11. AIRCRAFT OPERATIONS SHALL AT ALL TIMES HAVE PRIORITY OVER ALL VEHICLES, EQUIPMENT AND PERSONNEL. THE CONTRACTOR SHALL EMPLOY STRICT MEASURES TO PREVENT ANY CONFLICT BETWEEN HIS PERSONNEL AND AIRCRAFT ON ANY ACTIVE AIRFIELD PAVEMENT. THE CONTRACTOR SHALL REMAIN CLEAR OF ACTIVE RUNWAYS AND TAXIWAYS.
12. ALL CONTRACTOR VEHICLES, INCLUDING HAULING VEHICLES, THAT ARE AUTHORIZED TO OPERATE ON THE AIRPORT WITHIN THE DESIGNATED LIMITS OF CONSTRUCTION OR HAUL ROUTES AS DEFINED HEREIN, SHALL DISPLAY IN FULL VIEW ABOVE THE VEHICLE A 3'X3' OR LARGER ORANGE AND WHITE CHECKERBOARD FLAG. EACH CHECKERBOARD COLOR BEING 1' SQUARE. WHEN OPERATING DURING PERIODS OF DARKNESS OR LIMITED VISIBILITY, CONTRACTOR'S VEHICLE SHALL BE EQUIPPED WITH ROTATING OR FLASHING AMBER LIGHTS. DURING SUCH PERIODS, HAULING VEHICLES NOT SO EQUIPPED SHALL BE ESCORTED BY A VEHICLE SO EQUIPPED.
13. CONTRACTOR SHALL CONTROL THE ON-AIRPORT MOVEMENT AND ACTIVITIES OF ITS EMPLOYEES AND SUBCONTRACTORS.
14. OPEN-FLAME WELDING OR TORCH-CUTTING OPERATIONS ARE PROHIBITED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS HAVE BEEN APPROVED BY THE OWNER.
15. OPEN TRENCHES, EXCAVATIONS AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHALL BE PROMINENTLY MARKED WITH ORANGE FLAGS AND LIGHTED WITH FLASHING AMBER LIGHT UNITS (ACCEPTABLE TO THE OWNER) DURING HOURS OF RESTRICTED VISIBILITY OR DARKNESS.
16. STOCKPILED MATERIAL SHALL BE CONSTRAINED IN A MANNER TO PREVENT MOVEMENT AS A RESULT OF AIRCRAFT OR WIND.
17. ANY DAMAGE TO THE EXISTING AIRPORT LIGHTING SYSTEM CAUSED BY CONSTRUCTION OPERATIONS SHALL BE IMMEDIATELY NOTED TO THE OWNER AND REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE AND TO THE OWNER'S SPECIFICATIONS.
18. DEBRIS, WASTE AND LOOSE MATERIAL CAPABLE OF CAUSING DAMAGE TO AIRCRAFT LANDING GEAR, PROPELLERS AND ROTORS, OR OF BEING INGESTED BY JET ENGINES SHALL NOT BE LEFT ON ACTIVE AIRCRAFT MOVEMENT AREAS. MATERIAL DROPPED WITHIN THESE AREAS SHALL BE REMOVED CONTINUOUSLY DURING WORKING HOURS.
19. THE CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY REFLECTORIZED SIGNS TO CLEARLY MARK THE DESIGNATED ACCESS ROUTES TO AFFECTED AREAS OF AIRPORT PROPERTY. CONTRACTOR SHALL CONTROL ACCESS TO THE WORKING AREA BY CONSTRUCTION VEHICLES AS DELINEATED ON THIS PLAN.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMING ALL PERSONS UNDER THEIR CONTROL THAT UNAUTHORIZED CONSTRUCTION PERSONNEL FOUND IN RESTRICTED AREAS OF THE AIRPORT SHOWN ON THE SAFETY PLAN ARE SUBJECT TO ARREST FOR A PUNISHABLE FEDERAL OFFENSE AND WILL PROMPTLY AND PERMANENTLY BE REMOVED FROM THE JOB.
21. THE CONTRACTOR SHALL PROVIDE APPROVED FLAGMAN TO CONTROL ALL CONSTRUCTION TRAFFIC AND APPROVED GATE GUARD TO CONTROL ALL CONSTRUCTION TRAFFIC ENTERING PROJECT.
22. CONTRACTOR SHALL CONTROL AND ESCORT ALL CONSTRUCTION TRAFFIC ENTERING AIRPORT TO PREVENT CONFLICTS WITH AIRCRAFT OPERATIONS.
23. SPECIAL ACCESS REQUIREMENTS AND OPERATING LIMITATIONS ARE REQUIRED INSIDE THE SECURITY FENCE. THE CONTRACTOR SHALL DELINEATE WORK LIMITS WITHIN THESE AREAS USING STAKES WITH FLAGGING AS NOTED. CONFINE ALL CONTRACTOR'S PERSONNEL, EQUIPMENT AND MATERIALS INSIDE THE OWNER'S APPROVED WORK LIMITS.
24. THE CONTRACTOR SHALL PERFORM CONSTRUCTION OPERATIONS AS NECESSARY TO MINIMIZE ATTRACTION TO BIRDS CAUSED BY PONDED WATER AND GRASS SEED.
25. THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN FLASHING LIGHTS AND BARRICADES ALONG AIRCRAFT APRON EDGES OR WHERE TEMPORARY PAVEMENT CLOSURES OR AIRCRAFT LIMITATIONS ARE REQUIRED. BARRICADES SHALL BE SPACED NO MORE THAN 8 FEET ON CENTER OR AS NOTED ALONG THE AFFECTED PAVEMENT EDGE OR ACROSS THE PAVEMENT OF A CLOSED TAXIWAY. THE CONTRACTOR SHALL DAILY MAINTAIN THE LIGHTS AND BARRICADES IN AN OPERABLE CONDITION FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL FURNISH THE OWNER A CONTACT NUMBER FOR 24-HOUR MAINTENANCE OF LIGHTS AND BARRICADES. THE COST FOR BARRICADES AND LIGHTS SHALL BE INCIDENTAL TO THE PROJECT.
26. NO CONSTRUCTION TRAFFIC SHALL ENTER OR CROSS ANY ACTIVE AIRPORT OPERATIONAL AREA EXCEPT UPON AUTHORIZATION BY THE OWNER.
27. REFER TO THE GENERAL NOTES FOR REQUIREMENTS PERTAINING TO STORAGE OF CONSTRUCTION EQUIPMENT AND MATERIALS WHEN NOT IN USE.
28. THE CONTRACTOR SHALL COMPLY WITH ALL SECURITY REQUIREMENTS SPECIFIED HEREIN. THE CONTRACTOR SHALL DESIGNATE IN WRITING TO THE OWNER THE NAME OF ITS "CONTRACTOR SECURITY OFFICER". THE CONTRACTOR SECURITY OFFICER SHALL REPRESENT THE CONTRACTOR ON THE SECURITY REQUIREMENTS OF THE CONTRACT.
29. THE CONTRACTOR'S SECURITY OFFICER SHALL BE RESPONSIBLE FOR BRIEFING ALL CONTRACTOR PERSONNEL ON THESE REQUIREMENTS. CONTRACTOR EMPLOYEES SHALL ATTEND THE OWNER'S SECURITY TRAINING SESSION AND SHALL BE BRIEFED ON THESE REQUIREMENTS PRIOR TO WORKING IN THE CONSTRUCTION AREAS.
30. THE CONTRACTOR SHALL ACQUAINT THEIR SUPERVISORS AND EMPLOYEES WITH THE AIRPORT ACTIVITIES AND OPERATIONS THAT ARE INHERENT AT THIS AIRPORT AND SHALL CONDUCT THEIR CONSTRUCTION ACTIVITIES TO CONFORM TO ALL ROUTINE AND EMERGENCY AIR TRAFFIC REQUIREMENTS AND TO THE GUIDELINES ON SAFETY.
31. CONTRACTOR TO FIELD VERIFY AND PROTECT ALL EXISTING UTILITIES BEFORE CONSTRUCTION WORK BEGINS.
32. ALL LOCATIONS USED FOR HAUL ROUTES, STAGING AREAS, EMPLOYEE PARKING AND MATERIAL STORAGE SHALL BE CLEANED UP WHEN ALL CONSTRUCTION IS COMPLETED.
33. ALL FOREMAN'S SUPERINTENDANT'S VEHICLES SHALL CONTAIN RADIOS CAPABLE OF TRANSMITTING AND RECEIVING THE UNICOM FREQUENCY OF 122.80. NORMAL RADIO COMMUNICATIONS BETWEEN CONTRACTOR PERSONNEL WILL NOT BE ALLOWED ON THE UNICOM FREQUENCY OF 122.80 OR ANY OTHER FAA FREQUENCY. THE CONTRACTOR IS REQUIRED TO MONITOR THE AIRPORT FREQUENCY WHENEVER THEIR FORCES ARE ON AIRPORT PROPERTY, WHETHER OR NOT THE RUNWAY IS OPEN OR CLOSED.
34. THE CONTRACTOR IS ENCOURAGED TO DOCUMENT VIA PICTURES AND/OR VIDEO THE PRE-CONSTRUCTION CONDITION OF ALL PAVEMENTS AND STRUCTURES. ANY DAMAGE NOTICED AFTER THE CONTRACTOR'S MOBILIZATION WILL BE ASSUMED TO BE CAUSED BY THE CONTRACTOR AND SHALL BE FULLY REPAIRED AT THE CONTRACTOR'S EXPENSE.
35. NO EQUIPMENT WILL BE ALLOWED WITHIN 150' OF THE PRIMARY RUNWAY 17-35 CENTERLINE. NO EQUIPMENT WILL BE PARKED OR STORED WITHIN 500' OF THE PRIMARY RUNWAY 17-35 CENTERLINE.
36. NO EQUIPMENT WILL BE ALLOWED WITHIN 39.5' OF THE TAXIWAY'S CENTERLINE. NO EQUIPMENT WILL BE PARKED OR STORED WITHIN 65.5' OF TAXIWAY ALPHA'S CENTERLINE.
37. THE EXISTING AIRPORT PAVEMENTS ARE DESIGNED FOR AIRCRAFT TRAFFIC ONLY, AND MAY NOT SUPPORT LOADED TRUCK OR HEAVY EQUIPMENT. ANY DAMAGE RESULTING FROM THE CONTRACTOR'S ACTIONS WILL BE IMMEDIATELY REPAIRED TO FAA STANDARDS AT THE CONTRACTOR'S EXPENSE.



CROSS SECTION OF RUNWAY



PROFILE

RUNWAY END	A	B	C
17	60'	891.7'	20
35	60'	867.9'	20

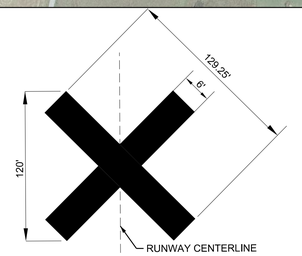
FAR PART 77 SURFACES
DRAWING NOT TO SCALE

NOTE:
THE PART 77 SECTION VIEW IS CENTERED ON THE RUNWAY CENTERLINE AT THE CENTERLINE ELEVATION, AND ON THE EXTENDED RUNWAY CENTERLINE AT THE RUNWAY THRESHOLD ELEVATION TO A POINT 200 FEET BEYOND EACH THRESHOLD. THE SECTION THEN RISES ALONG THE SLOPE INDICATED ON THE PROFILE VIEW.

PAVEMENT	SAFETY AREA WIDTH*
R/W 17-35	150'

*ALL DISTANCES ARE CENTERED ABOUT THE CENTERLINE OF THE AREA LISTED.

SAFETY AREA DIMENSIONS



NOTES:
1. CONTRACTOR SHALL BE REQURIED TO PROVIDE AND MAINTAIN TEMPORARY RUNWAY CLOSURE MARKERS.
2. THE TEMPORARY CLOSED RUNWAY MARKINGS SHALL BE AVIATION YELLOW AND MAY BE CONSTRUCTED OF MATERIAL SUCH AS FABRIC OR PLYWOOD.
3. PLACE MARKINGS AS SHOWN ON THIS SHEET. THE LOCATION OF THE TEMPORARY CLOSED RUNWAY MARKERS SHALL BE PLACED ON THE RUNWAY CENTERLINE.
4. FOR RUNWAYS THAT HAVE BEEN TEMPORARILY CLOSED, PLACE MARKER AT EACH END OF THE RUNWAY DIRECTLY ON OR AS NEAR AS PRACTICABLE TO THE RUNWAY DESIGNATION NUMBERS.
5. FOR A MULTIPLE RUNWAY ENVIRONMENT, IF THE CLOSURE MARKER ON A DESIGNATED NUMBER WILL BE LOCATED IN THE RSA OF AN ADJACENT ACTIVE RUNWAY, LOCATE THE MARKER FARTHER DOWN THE CLOSED RUNWAY TO CLEAR THE RSA OF THE ACTIVE RUNWAY.

1 C5.01 RUNWAY CLOSURE MARKER
SCALE: N.T.S.

AIRPORT CONTACT INFORMATION:
MIKE GALLAGHER
2372 SYLVIA ROAD, DICKSON, TN 37056
(615) 812-1981

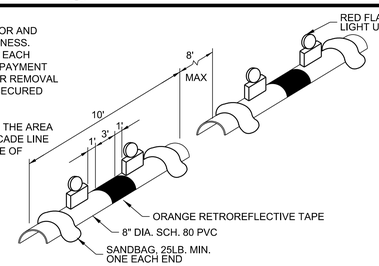
LOCAL EMERGENCY PHONE NUMBERS:
EMERGENCY:
911

DICKSON POLICE DEPARTMENT:
(615) 446-5403

DICKSON FIRE DEPARTMENT:
(615) 446-6331

LIQUIDATED DAMAGES:
$1,000 PER CALENDAR DAY

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2 C5.01 AIRFIELD BARRICADE DETAIL
SCALE: N.T.S.

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JEREMY GREEN — REGISTERED ENGINEER — No. 121091 — STATE OF TENNESSEE
5/22/19

CONSTRUCTION SAFETY & PHASING PLAN (CSPP)

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
DICKSON MUNICIPAL AIRPORT, M02
DICKSON, TENNESSEE

REV.	DR.	CHK.	DATE	REVISION INFORMATION
	JKB	JDG	04/26/2019	ISSUED FOR 90% REVIEW
	JAC	JDG	05/22/2019	ISSUED FOR BID

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CONSTRUCTION PHASING PLAN

PHASE ONE - RUNWAY
CRACK REPAIR, SEAL COAT, REMARKING (RUNWAY CLOSED)

PHASE TWO - TAXIWAY NORTH
CRACK REPAIR, SEAL COAT, REMARKING

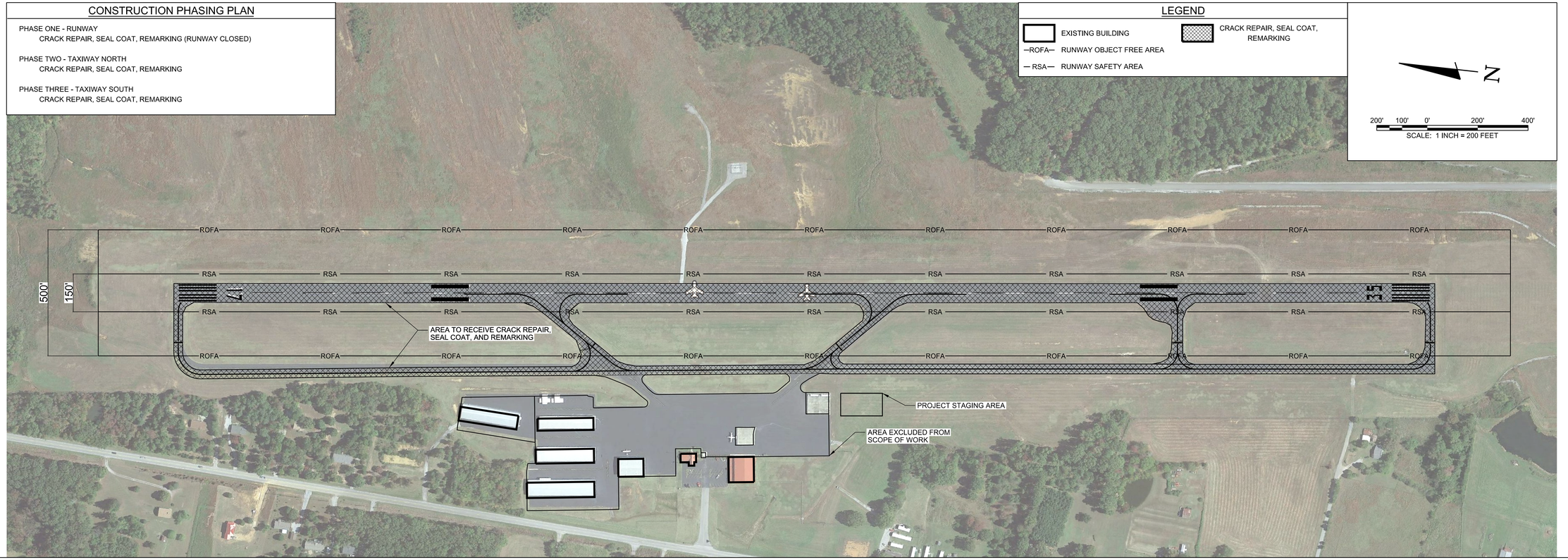
PHASE THREE - TAXIWAY SOUTH
CRACK REPAIR, SEAL COAT, REMARKING

LEGEND

EXISTING BUILDING
CRACK REPAIR, SEAL COAT, REMARKING
ROFA RUNWAY OBJECT FREE AREA
RSA RUNWAY SAFETY AREA

N

200' 100' 0' 200' 400'
SCALE: 1 INCH = 200 FEET



SCHEDULE OF QUANTITIES

DICKSON MUNICIPAL AIRPORT, M02

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	21,900
P-101-5.3	AIRFIELD PAVEMENT MARKING REMOVAL	SF	54,900
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	72,000
P-620-5.1	TEMPORARY WHITE PAINT	SF	34,600
P-620-5.2	TEMPORARY YELLOW PAINT	SF	5,100
P-620-5.3	WHITE PAINT WITH REFLECTIVE MEDIA	SF	34,600
P-620-5.4	YELLOW PAINT WITH REFLECTIVE MEDIA	SF	5,100

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JEREMY O. GREEN
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STATE OF TENNESSEE
5/22/19

OVERALL SITE LAYOUT PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
DICKSON MUNICIPAL AIRPORT, M02
DICKSON, TENNESSEE

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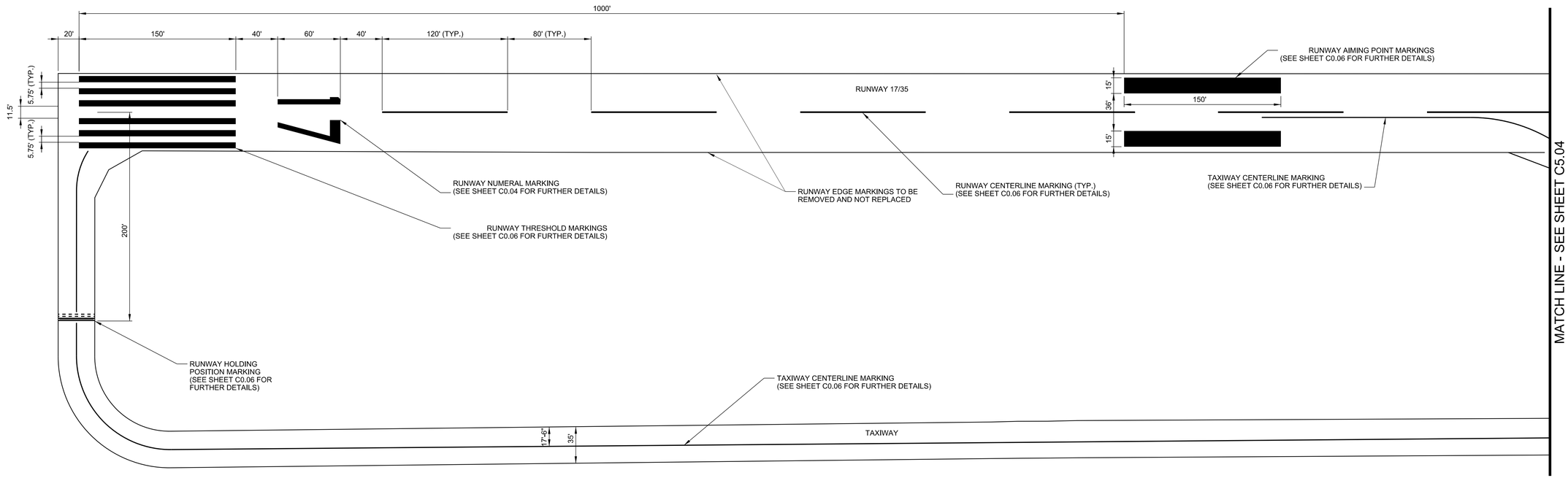
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JEREMY GREEN
REGISTERED ENGINEER
NO. 121791
STATE OF TENNESSEE
5/22/19

AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
DICKSON MUNICIPAL AIRPORT, M02
DICKSON, TENNESSEE

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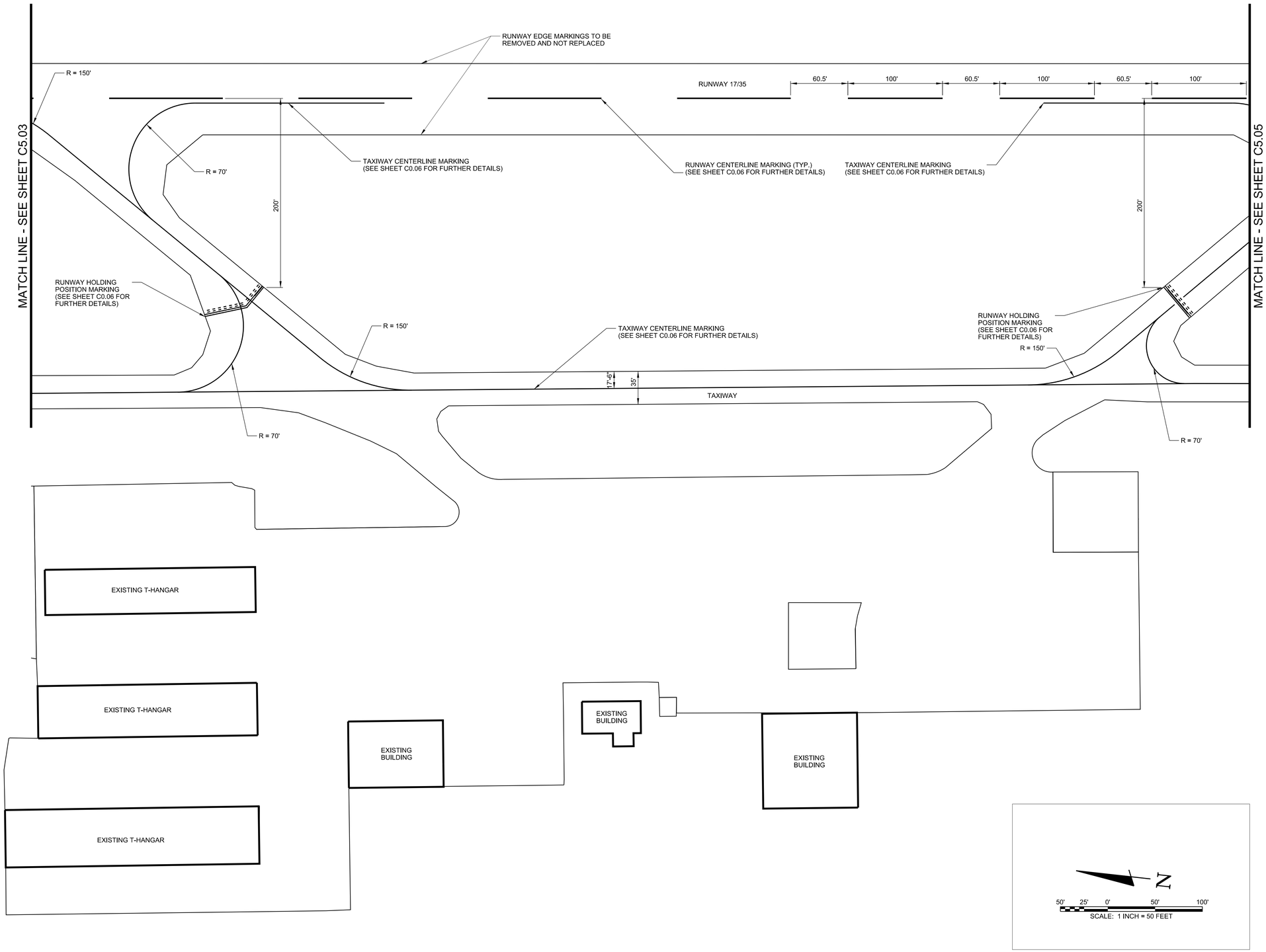
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AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
DICKSON MUNICIPAL AIRPORT, M02
DICKSON, TENNESSEE

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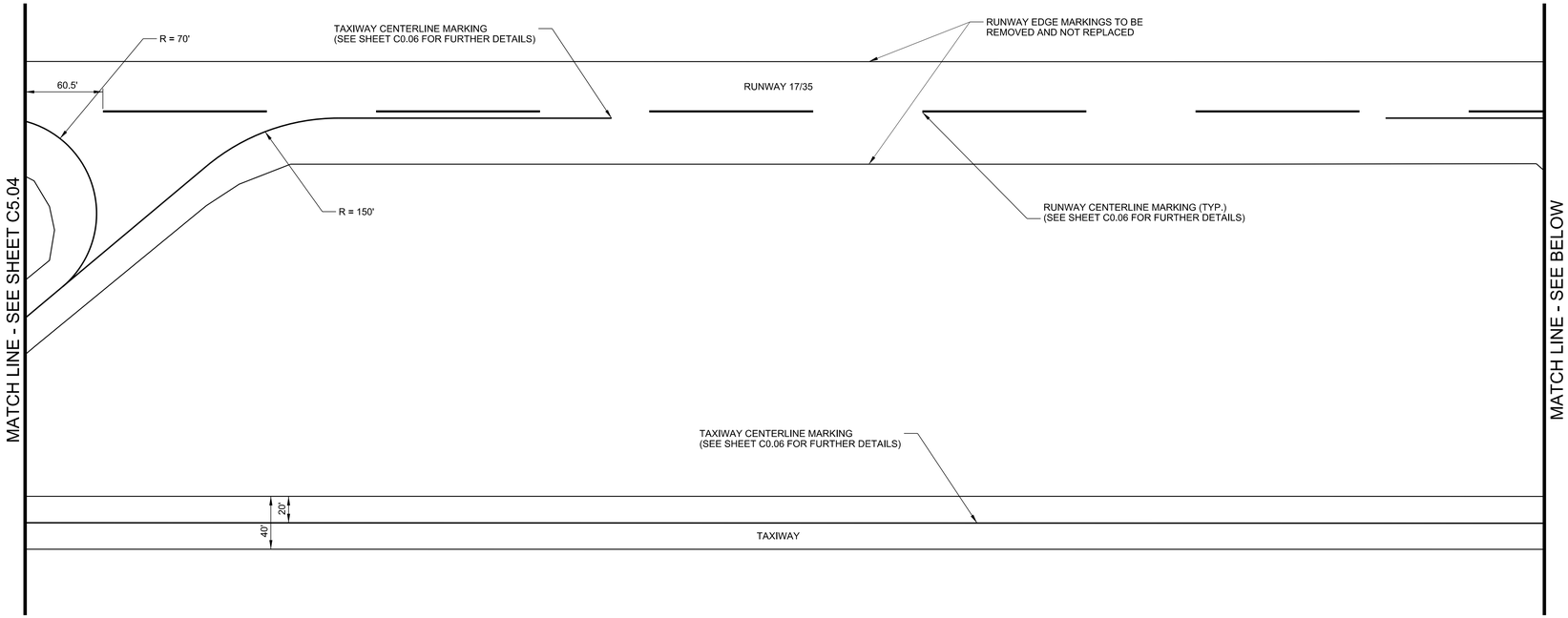
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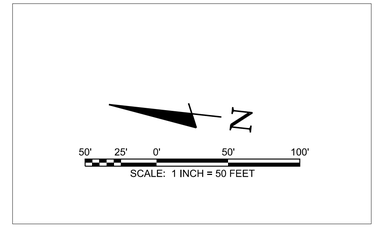
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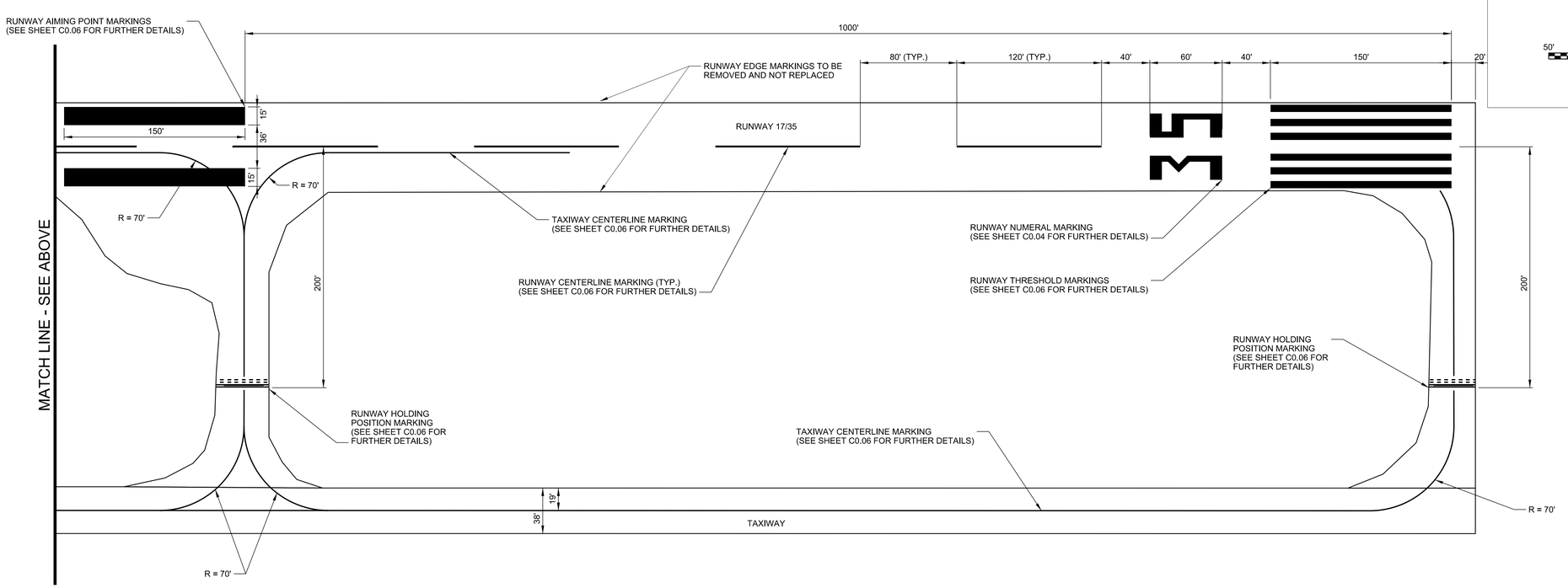
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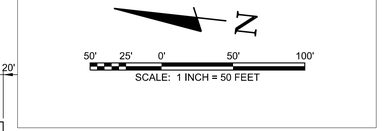
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JEREMY GREEN
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STATE OF TENNESSEE
5/22/19

AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
DICKSON MUNICIPAL AIRPORT, M02
DICKSON, TENNESSEE

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CONSTRUCTION PHASING PLAN

PHASE ONE - RUNWAY (10 CALENDAR DAYS)
CRACK REPAIR, SEAL COAT, REMARKING (RUNWAY CLOSED)

PHASE TWO - TAXIWAY SOUTH (6 CALENDAR DAYS)
CRACK REPAIR, SEAL COAT, REMARKING

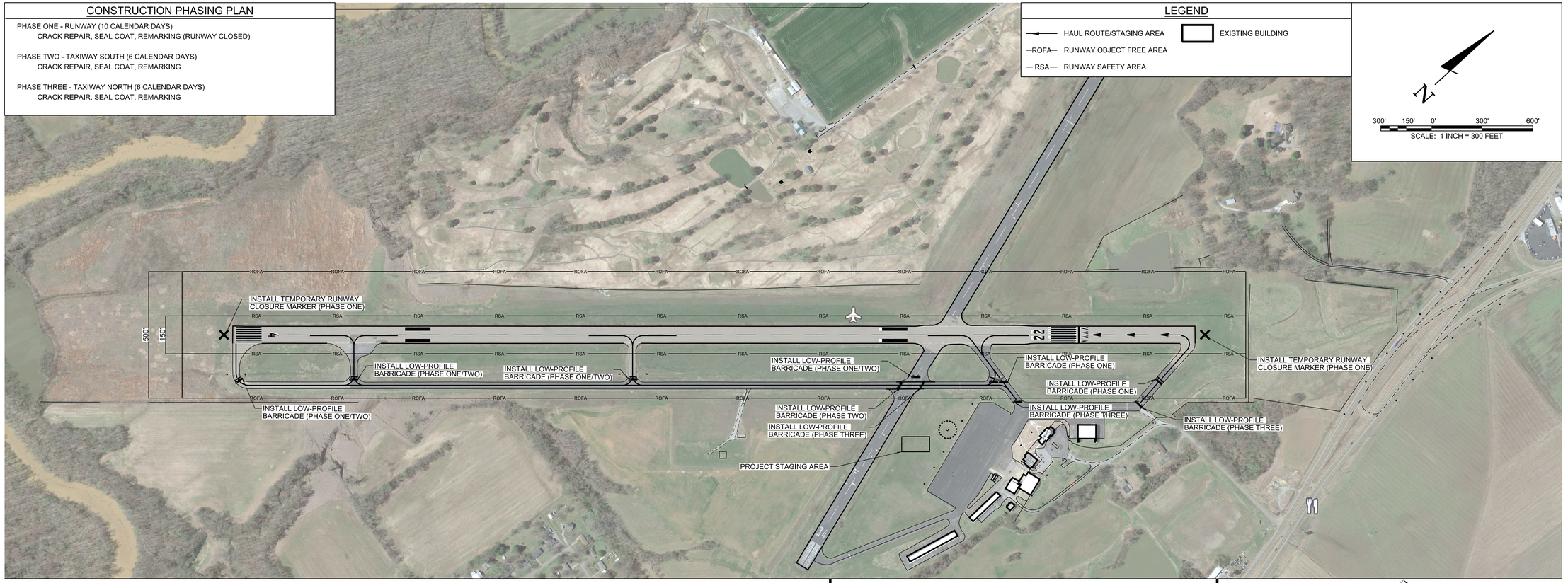
PHASE THREE - TAXIWAY NORTH (6 CALENDAR DAYS)
CRACK REPAIR, SEAL COAT, REMARKING

LEGEND

HAUL ROUTE/STAGING AREA
EXISTING BUILDING
ROFA RUNWAY OBJECT FREE AREA
RSA RUNWAY SAFETY AREA

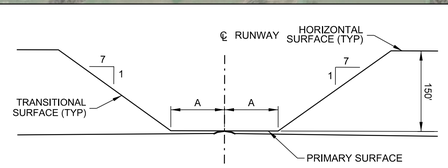
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300' 150' 0' 300' 600'
SCALE: 1 INCH = 300 FEET

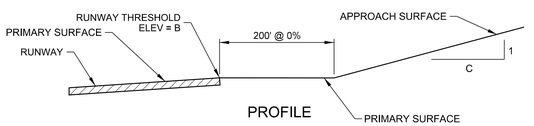


CONSTRUCTION SAFETY NOTES

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER AND THE OWNER NOT LESS THAN TWO (2) DAYS PRIOR TO ENTERING THE CONSTRUCTION SITE FOR ANY PURPOSE SO THAT THEY MAY PUBLISH "NOTICES TO AIRMAN" OF THE CONSTRUCTION ACTIVITIES.
2. SUFFICIENT SWEEPERS AND CLEAN UP EQUIPMENT SHALL BE PROVIDED IN ORDER THAT ALL LOOSE MATERIAL, DEBRIS AND MUD CAN BE REMOVED FROM ALL AIRPORT OPERATIONS AREAS ON A CONTINUOUS BASIS.
3. NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR RADIOS, CONSTRUCTION OF AND MAINTENANCE OF HAUL ROUTES AND CONSTRUCTION ENTRANCE, ETC. AS INCLUDED IN THESE NOTES. ALL COSTS ASSOCIATED WITH THESE ITEMS MUST BE INCLUDED IN THE CONTRACT BID PRICES WHICH WOULD MOST LIKELY INCLUDE THEM.
4. THE CONTRACTOR AND PERSONNEL SHALL NOT, AT ANY TIME, BE ON THE RUNWAY OR TAXIWAYS UNLESS THE AIRPORT MANAGER GIVES PRIOR APPROVAL.
5. THE CONTRACTOR SHALL TAKE EXTREME CAUTION AROUND ALL EXISTING AIRPORT EQUIPMENT.
6. THE CONSTRUCTION ENTRANCE, STAGING AREA, EMPLOYEE PARKING, STOCKPILE AREA, WASTE AREA AND BORROW AREA SHALL BE COORDINATED WITH THE AIRPORT MANAGER.
7. THE CONTRACTOR SHALL HAVE A MAN ON 24-HOUR CALL FOR EMERGENCY MAINTENANCE OF AIRPORT HAZARD LIGHTING AND BARRICADES AND OTHER EMERGENCIES WHICH MAY ARISE AS A RESULT OF THIS WORK.
8. THE CONTRACTOR'S PERSONNEL AND EQUIPMENT SHALL NOT BE PERMITTED OUTSIDE THE CONSTRUCTION WORK LIMITS WITHOUT BEING ESCORTED BY THE OWNER APPROVED ESCORT.
9. IT SHALL BE THE RESPONSIBILTY OF THE CONTRACTOR TO REVIEW THE SAFETY PROVISIONS INCORPORATED IN THE FOLLOWING FEDERAL AVIATION ADMINISTRATION (FAA) DOCUMENTS, WHICH ARE AVAILABLE FOR REVIEW BY DOWNLOADING THE DOCUMENTS ON-LINE AT HTTP://WWW.FAA.GOV:
   - 9.1 ADVISORY CIRCULAR NUMBER 150/5370-10H, "STANDARDS FOR SPECIFYING CONSTRUCTION OF AIRPORTS"
   - 9.2 ADVISORY CIRCULAR NUMBER 150/5370-2G, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTON"
   - 9.3 ADVISORY CIRCULAR NUMBER 150/5210-5D, "PAINTING, MARKING, AND LIGHTING OF VEHICLES USED ON AN AIRPORT"
10. THE CONTRACTOR SHALL BE REQUIRED TO MINIMIZE DUST CREATED BY CONSTRUCTION ACTIVITIES USING WATER OR OTHER DEVICES. ANY COST ASSOCIATED WITH DUST CONTROL SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. IN THE EVENT DUST WHICH IS CREATED BY CONSTRUCTION ACTIVITIES BECOMES A HAZARD TO AIRFIELD OPERATIONS AND/OR AIRCRAFT NAVIGATION CONSTRUCTION ACTIVITES WILL BE SHUT DOWN. THIS SHUTDOWN TIME WILL NOT BE A BASIS FOR CLAIMS FOR ADDITIONAL CONTRACT TIME OR COMPENSATION.
11. AIRCRAFT OPERATIONS SHALL AT ALL TIMES HAVE PRIORITY OVER ALL VEHICLES, EQUIPMENT AND PERSONNEL. THE CONTRACTOR SHALL EMPLOY STRICT MEASURES TO PREVENT ANY CONFLICT BETWEEN HIS PERSONNEL AND AIRCRAFT ON ANY ACTIVE AIRFIELD PAVEMENT. THE CONTRACTOR SHALL REMAIN CLEAR OF ACTIVE RUNWAYS AND TAXIWAYS.
12. ALL CONTRACTOR VEHICLES, INCLUDING HAULING VEHICLES, THAT ARE AUTHORIZED TO OPERATE ON THE AIRPORT WITHIN THE DESIGNATED LIMITS OF CONSTRUCTION OR HAUL ROUTES AS DEFINED HEREIN, SHALL DISPLAY IN FULL VIEW ABOVE THE VEHICLE A 3'X3' OR LARGER ORANGE AND WHITE CHECKERBOARD FLAG, EACH CHECKERBOARD COLOR BEING 1' SQUARE. WHEN OPERATING DURING PERIODS OF DARKNESS OR LIMITED VISIBILITY, CONTRACTOR'S VEHICLE SHALL BE EQUIPPED WITH ROTATING OR FLASHING AMBER LIGHTS. DURING SUCH PERIODS, HAULING VEHICLES NOT SO EQUIPPED SHALL BE ESCORTED BY A VEHICLE SO EQUIPPED.
13. CONTRACTOR SHALL CONTROL THE ON-AIRPORT MOVEMENT AND ACTIVITIES OF ITS EMPLOYEES AND SUBCONTRACTORS.
14. OPEN-FLAME WELDING OR TORCH-CUTTING OPERATIONS ARE PROHIBITED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS HAVE BEEN APPROVED BY THE OWNER.
15. OPEN TRENCHES, EXCAVATIONS AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHALL BE PROMINENTLY MARKED WITH ORANGE FLAGS AND LIGHTED WITH FLASHING AMBER LIGHT UNITS (ACCEPTABLE TO THE OWNER) DURING HOURS OF RESTRICTED VISIBILITY OR DARKNESS.
16. STOCKPILED MATERIAL SHALL BE CONSTRAINED IN A MANNER TO PREVENT MOVEMENT AS A RESULT OF AIRCRAFT OR WIND.
17. ANY DAMAGE TO THE EXISTING AIRPORT LIGHTING SYSTEM CAUSED BY CONSTRUCTION OPERATIONS SHALL BE IMMEDIATELY NOTED TO THE OWNER AND REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE AND TO THE OWNER'S SPECIFICATIONS.
18. DEBRIS, WASTE AND LOOSE MATERIAL CAPABLE OF CAUSING DAMAGE TO AIRCRAFT LANDING GEAR, PROPELLERS AND ROTORS, OR OF BEING INGESTED BY JET ENGINES SHALL NOT BE LEFT ON ACTIVE AIRCRAFT MOVEMENT AREAS. MATERIAL DROPPED WITHIN THESE AREAS SHALL BE REMOVED CONTINUOUSLY DURING WORKING HOURS.
19. THE CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY REFLECTORIZED SIGNS TO CLEARLY MARK THE DESIGNATED ACCESS ROUTES TO AFFECTED AREAS OF AIRPORT PROPERTY. CONTRACTOR SHALL CONTROL ACCESS TO THE WORKING AREA BY CONSTRUCTION VEHICLES AS DELINEATED ON THIS PLAN.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMING ALL PERSONS UNDER THEIR CONTROL THAT UNAUTHORIZED CONSTRUCTION PERSONNEL FOUND IN RESTRICTED AREAS OF THE AIRPORT SHOWN ON THE SAFETY PLAN ARE SUBJECT TO ARREST FOR A PUNISHABLE FEDERAL OFFENSE AND WILL PROMPTLY AND PERMANENTLY BE REMOVED FROM THE JOB.
21. THE CONTRACTOR SHALL PROVIDE APPROVED FLAGMAN TO CONTROL ALL CONSTRUCTION TRAFFIC AND APPROVED GATE GUARD TO CONTROL ALL CONSTRUCTION TRAFFIC ENTERING PROJECT.
22. CONTRACTOR SHALL CONTROL AND ESCORT ALL CONSTRUCTION TRAFFIC ENTERING AIRPORT TO PREVENT CONFLICTS WITH AIRCRAFT OPERATIONS.
23. SPECIAL ACCESS REQUIREMENTS AND OPERATING LIMITATIONS ARE REQUIRED INSIDE THE SECURITY FENCE. THE CONTRACTOR SHALL DELINEATE WORK LIMITS WITHIN THESE AREAS USING STAKES WITH FLAGGING AS NOTED. CONFINE ALL CONTRACTOR'S PERSONNEL, EQUIPMENT AND MATERIALS INSIDE THE OWNER'S APPROVED WORK LIMITS.
24. THE CONTRACTOR SHALL PERFORM CONSTRUCTION OPERATIONS AS NECESSARY TO MINIMIZE ATTRACTION TO BIRDS CAUSED BY PONDED WATER AND GRASS SEED.
25. THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN FLASHING LIGHTS AND BARRICADES ALONG AIRCRAFT APRON EDGES OR WHERE TEMPORARY PAVEMENT CLOSURES OR AIRCRAFT LIMITATIONS ARE REQUIRED. BARRICADES SHALL BE SPACED NO MORE THAN 8 FEET ON CENTER OR AS NOTED ALONG THE AFFECTED PAVEMENT EDGE OR ACROSS THE PAVEMENT OF A CLOSED TAXIWAY. THE CONTRACTOR SHALL DAILY MAINTAIN THE LIGHTS AND BARRICADES IN AN OPERABLE CONDITION FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL FURNISH THE OWNER A CONTACT NUMBER FOR 24-HOUR MAINTENANCE OF LIGHTS AND BARRICADES. THE COST FOR BARRICADES AND LIGHTS SHALL BE INCIDENTAL TO THE PROJECT.
26. NO CONSTRUCTION TRAFFIC SHALL ENTER OR CROSS ANY ACTIVE AIRPORT OPERATIONAL AREA EXCEPT UPON AUTHORIZATION BY THE OWNER.
27. REFER TO THE GENERAL NOTES FOR REQUIREMENTS PERTAINING TO STORAGE OF CONSTRUCTION EQUIPMENT AND MATERIALS WHEN NOT IN USE.
28. THE CONTRACTOR SHALL COMPLY WITH ALL SECURITY REQUIREMENTS SPECIFIED HEREIN. THE CONTRACTOR SHALL DESIGNATE IN WRITING TO THE OWNER THE NAME OF ITS "CONTRACTOR SECURITY OFFICER". THE CONTRACTOR SECURITY OFFICER SHALL REPRESENT THE CONTRACTOR ON THE SECURITY REQUIREMENTS OF THE CONTRACT.
29. THE CONTRACTOR'S SECURITY OFFICER SHALL BE RESPONSIBLE FOR BRIEFING ALL CONTRACTOR PERSONNEL ON THESE REQUIREMENTS. CONTRACTOR EMPLOYEES SHALL ATTEND THE OWNER'S SECURITY TRAINING SESSION AND SHALL BE BRIEFED ON THESE REQUIREMENTS PRIOR TO WORKING IN THE CONSTRUCTION AREAS.
30. THE CONTRACTOR SHALL ACQUAINT THEIR SUPERVISORS AND EMPLOYEES WITH THE AIRPORT ACTIVITIES AND OPERATIONS THAT ARE INHERENT AT THIS AIRPORT AND SHALL CONDUCT THEIR CONSTRUCTION ACTIVITIES TO CONFORM TO ALL ROUTINE AND EMERGENCY AIR TRAFFIC REQUIREMENTS AND TO THE GUIDELINES ON SAFETY.
31. CONTRACTOR TO FIELD VERIFY AND PROTECT ALL EXISTING UTILITIES BEFORE CONSTRUCTION WORK BEGINS.
32. ALL LOCATIONS USED FOR HAUL ROUTES, STAGING AREAS, EMPLOYEE PARKING AND MATERIAL STORAGE SHALL BE CLEANED UP WHEN ALL CONSTRUCTION IS COMPLETED.
33. ALL FOREMAN'S SUPERINTENDANT'S VEHICLES SHALL CONTAIN RADIOS CAPABLE OF TRANSMITTING AND RECEIVING THE UNICOM FREQUENCY OF 123.05, NORMAL RADIO COMMUNICATIONS BETWEEN CONTRACTOR PERSONNEL WILL NOT BE ALLOWED ON THE UNICOM FREQUENCY OF 123.05 OR ANY OTHER FAA FREQUENCY. THE CONTRACTOR IS REQUIRED TO MONITOR THE AIRPORT FREQUENCY WHENEVER THEIR FORCES ARE ON AIRPORT PROPERTY, WHETHER OR NOT THE RUNWAY IS OPEN OR CLOSED.
34. THE CONTRACTOR IS ENCOURAGED TO DOCUMENT VIA PICTURES AND/OR VIDEO THE PRE-CONSTRUCTION CONDITION OF ALL PAVEMENTS AND STRUCTURES. ANY DAMAGE NOTICED AFTER THE CONTRACTOR'S MOBILIZATION WILL BE ASSUMED TO BE CAUSED BY THE CONTRACTOR AND SHALL BE FULLY REPAIRED AT THE CONTRACTOR'S EXPENSE.
35. NO EQUIPMENT WILL BE ALLOWED WITHIN 150' OF THE PRIMARY RUNWAY 4-22 CENTERLINE. NO EQUIPMENT WILL BE PARKED OR STORED WITHIN 500' OF THE PRIMARY RUNWAY 4-22 CENTERLINE.
36. NO EQUIPMENT WILL BE ALLOWED WITHIN 39.5' OF THE TAXIWAY'S CENTERLINE. NO EQUIPMENT WILL BE PARKED OR STORED WITHIN 65.5' OF TAXIWAY ALPHA'S CENTERLINE.
37. THE EXISTING AIRPORT PAVEMENTS ARE DESIGNED FOR AIRCRAFT TRAFFIC ONLY, AND MAY NOT SUPPORT LOADED TRUCK OR HEAVY EQUIPMENT. ANY DAMAGE RESULTING FROM THE CONTRACTOR'S ACTIONS WILL BE IMMEDIATELY REPAIRED TO FAA STANDARDS AT THE CONTRACTOR'S EXPENSE.



CROSS SECTION OF RUNWAY



PROFILE

RUNWAY END	A	B	C
4	60'	291.92'	34
22	60'	337.34'	34

FAR PART 77 SURFACES

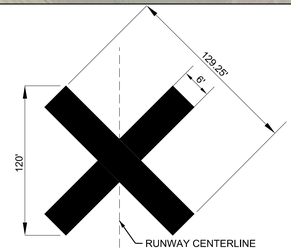
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NOTE;
THE PART 77 SECTION VIEW IS CENTERED ON THE RUNWAY CENTERLINE AT THE CENTERLINE ELEVATION, AND ON THE EXTENDED RUNWAY CENTERLINE AT THE RUNWAY THRESHOLD ELEVATION TO A POINT 200 FEET BEYOND EACH THRESHOLD. THE SECTION THEN RISES ALONG THE SLOPE INDICATED ON THE PROFILE VIEW.

PAVEMENT	SAFETY AREA WIDTH*
R/W 4-22	150'

*ALL DISTANCES ARE CENTERED ABOUT THE CENTERLINE OF THE AREA LISTED.

SAFETY AREA DIMENSIONS



NOTES:

1. CONTRACTOR SHALL BE REQURIED TO PROVIDE AND MAINTAIN TEMPORARY RUNWAY CLOSURE MARKERS.
2. THE TEMPORARY CLOSED RUNWAY MARKINGS SHALL BE AVIATION YELLOW AND MAY BE CONSTRUCTED OF MATERIAL SUCH AS FABRIC OR PLYWOOD.
3. PLACE MARKINGS AS SHOWN ON THIS SHEET. THE LOCATION OF THE TEMPORARY CLOSED RUNWAY MARKERS SHALL BE PLACED ON THE RUNWAY CENTERLINE.
4. FOR RUNWAYS THAT HAVE BEEN TEMPORARILY CLOSED, PLACE MARKER AT EACH END OF THE RUNWAY DIRECTLY ON OR AS NEAR AS PRACTICABLE TO THE RUNWAY DESIGNATION NUMBERS.
5. FOR A MULTIPLE RUNWAY ENVIRONMENT, IF THE CLOSURE MARKER ON A DESIGNATED NUMBER WILL BE LOCATED IN THE RSA OF AN ADJACENT ACTIVE RUNWAY, LOCATE THE MARKER FARTHER DOWN THE CLOSED RUNWAY TO CLEAR THE RSA OF THE ACTIVE RUNWAY.

1 / C6.01 RUNWAY CLOSURE MARKER
SCALE: N.T.S.

AIRPORT CONTACT INFORMATION:
TOMMY GIBBONS
315 AIRPORT ROAD, DYERSBURG, TN 38024
(731) 287-8181

LOCAL EMERGENCY PHONE NUMBERS:
EMERGENCY:
911

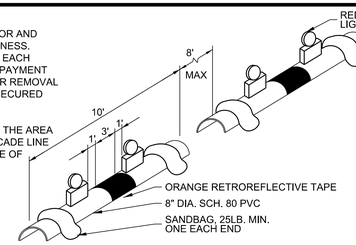
DYERSBURG POLICE DEPARTMENT:
(731) 285-1212

DYERSBURG FIRE DEPARTMENT:
(731) 288-7614

LIQUIDATED DAMAGES:
$1,000 PER CALENDAR DAY

NOTES:

1. CAUTION LIGHTS TO BE RED IN COLOR AND FLASHING DURING HOURS OF DARKNESS. UNITS TO BE PLACED ADJACENT TO EACH OTHER. THERE WILL BE NO DIRECT PAYMENT FOR FURNISHING, MAINTENANCE, OR REMOVAL OF THIS BARRIER. UNITS MUST BE SECURED TO PVC.
2. ALL BARRICADES SHALL DELINEATE THE AREA TO BE PROTECTED AND THE BARRICADE LINE SHALL EXTEND TO 10' OFF THE EDGE OF EITHER SIDE OF ANY PAVEMENT.



2 / C6.01 AIRFIELD BARRICADE DETAIL
SCALE: N.T.S.

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JEREMY GREEN — REGISTERED ENGINEER — No. 121191 — STATE OF TENNESSEE
5/22/19

CONSTRUCTION SAFETY & PHASING PLAN (CSPP)

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
DYERSBURG REGIONAL AIRPORT, DYR
DYERSBURG, TENNESSEE

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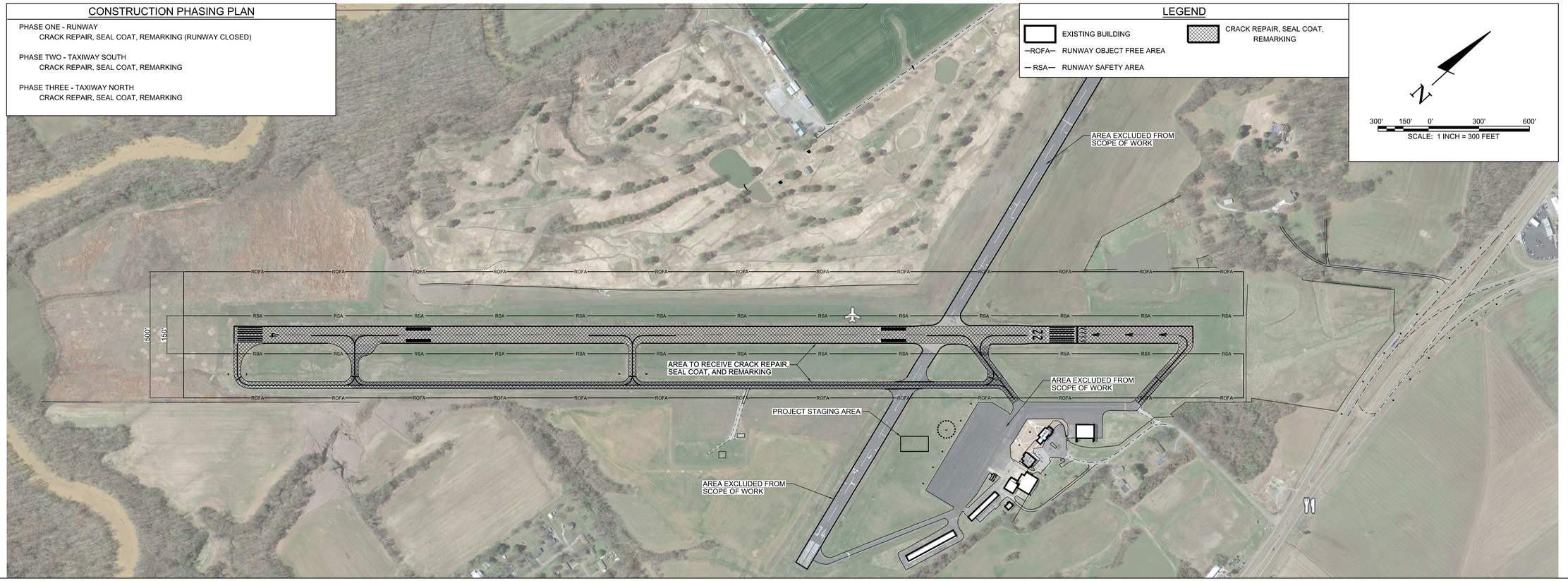
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CONSTRUCTION PHASING PLAN

PHASE ONE - RUNWAY
CRACK REPAIR, SEAL COAT, REMARKING (RUNWAY CLOSED)

PHASE TWO - TAXIWAY SOUTH
CRACK REPAIR, SEAL COAT, REMARKING

PHASE THREE - TAXIWAY NORTH
CRACK REPAIR, SEAL COAT, REMARKING



SCHEDULE OF QUANTITIES

DYERSBURG REGIONAL AIRPORT, DYR

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	46,100
P-101-5.3	AIRFIELD PAVEMENT MARKING REMOVAL	SF	56,900
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	95,800
P-620-5.1	TEMPORARY WHITE PAINT	SF	34,750
P-620-5.2	TEMPORARY YELLOW PAINT	SF	5,100
P-620-5.3	WHITE PAINT WITH REFLECTIVE MEDIA	SF	34,750
P-620-5.4	YELLOW PAINT WITH REFLECTIVE MEDIA	SF	5,100

BARGE DESIGN SOLUTIONS
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PHONE (615) 254-1500 // FAX (615) 255-6572

JEREMY GREEN
REGISTERED ENGINEER
No. 121991
STATE OF TENNESSEE
5/22/19

REVISION INFORMATION

REV.	DR.	CHK	DATE	DESCRIPTION
	JKB	JDG	04/26/2019	ISSUED FOR 90% REVIEW
	JAC	JDG	05/22/2019	ISSUED FOR BID

OVERALL SITE LAYOUT PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
DYERSBURG REGIONAL AIRPORT, DYR
DYERSBURG, TENNESSEE

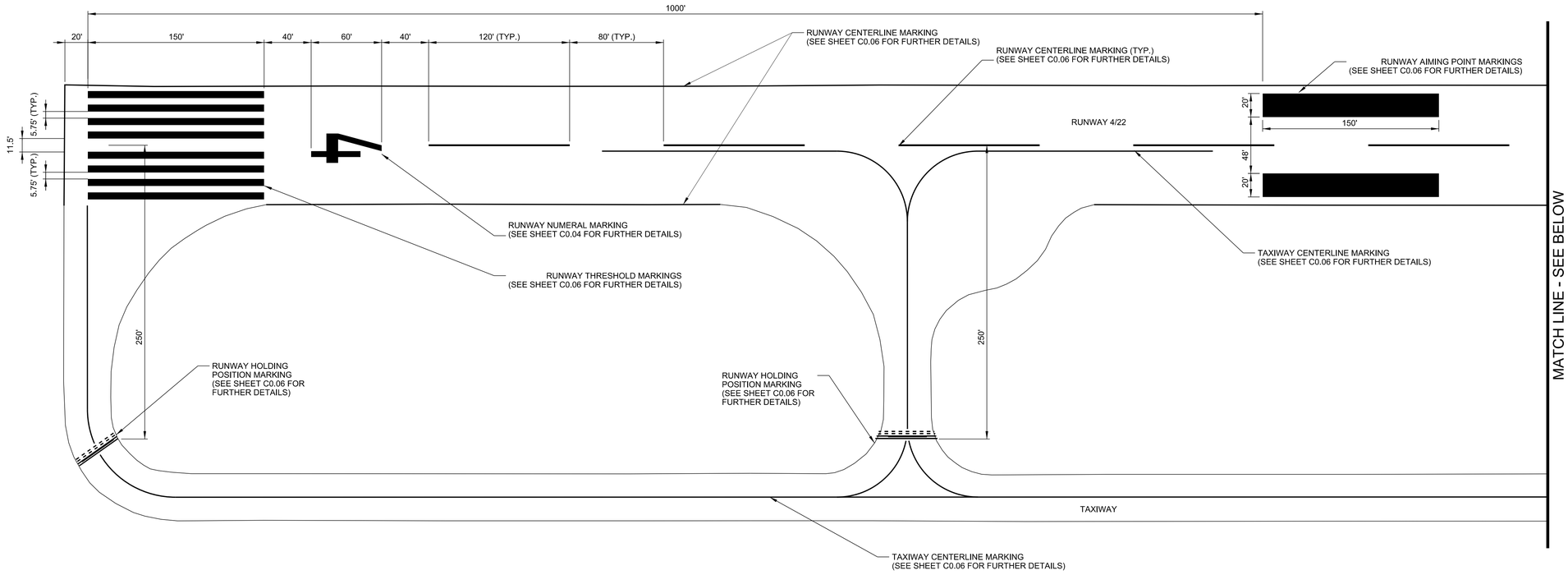
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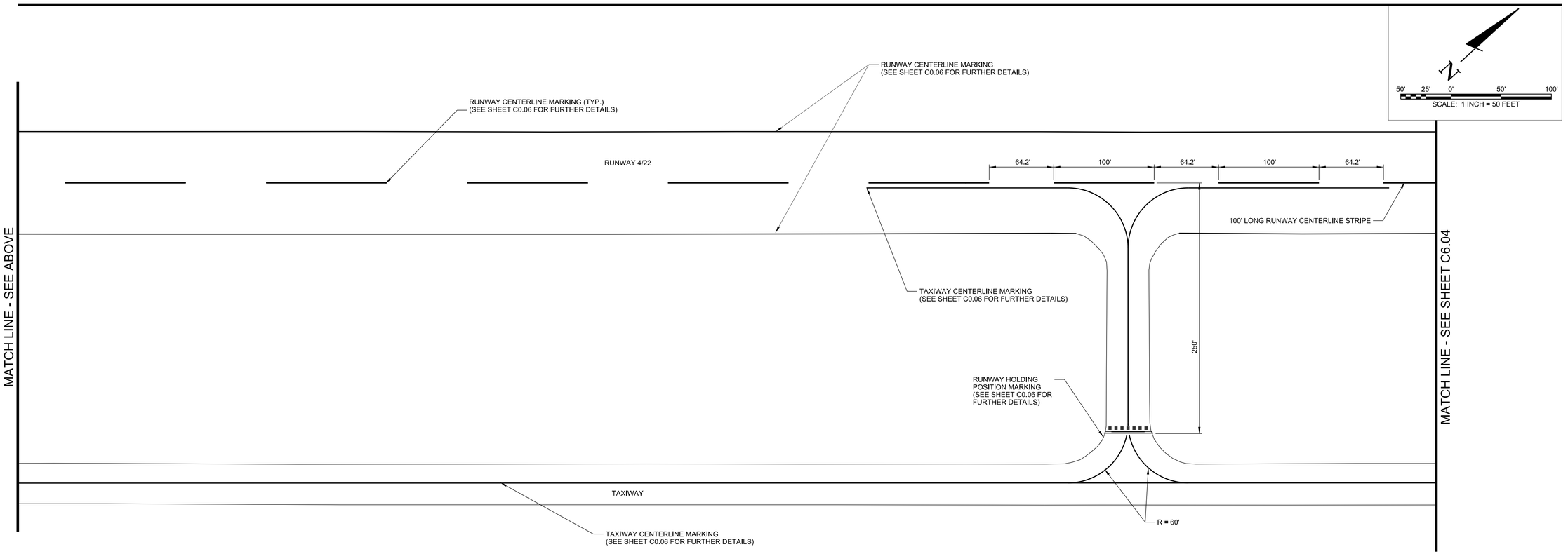
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STATE OF TENNESSEE
5/22/19

AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
DYERSBURG REGIONAL AIRPORT, DYR
DYERSBURG, TENNESSEE

REVISION INFORMATION

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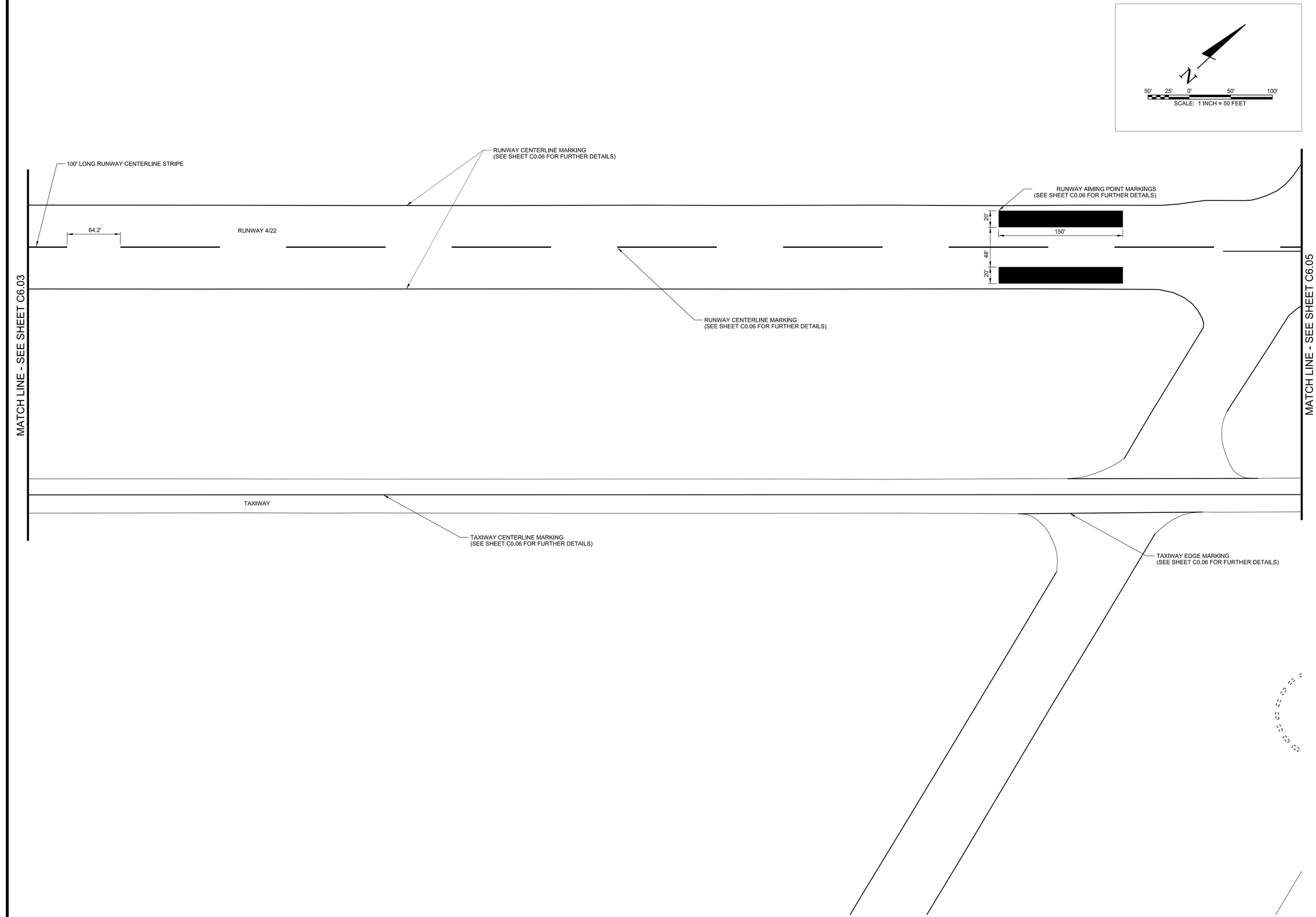
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AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
DYERSBURG REGIONAL AIRPORT, DYR
DYERSBURG, TENNESSEE

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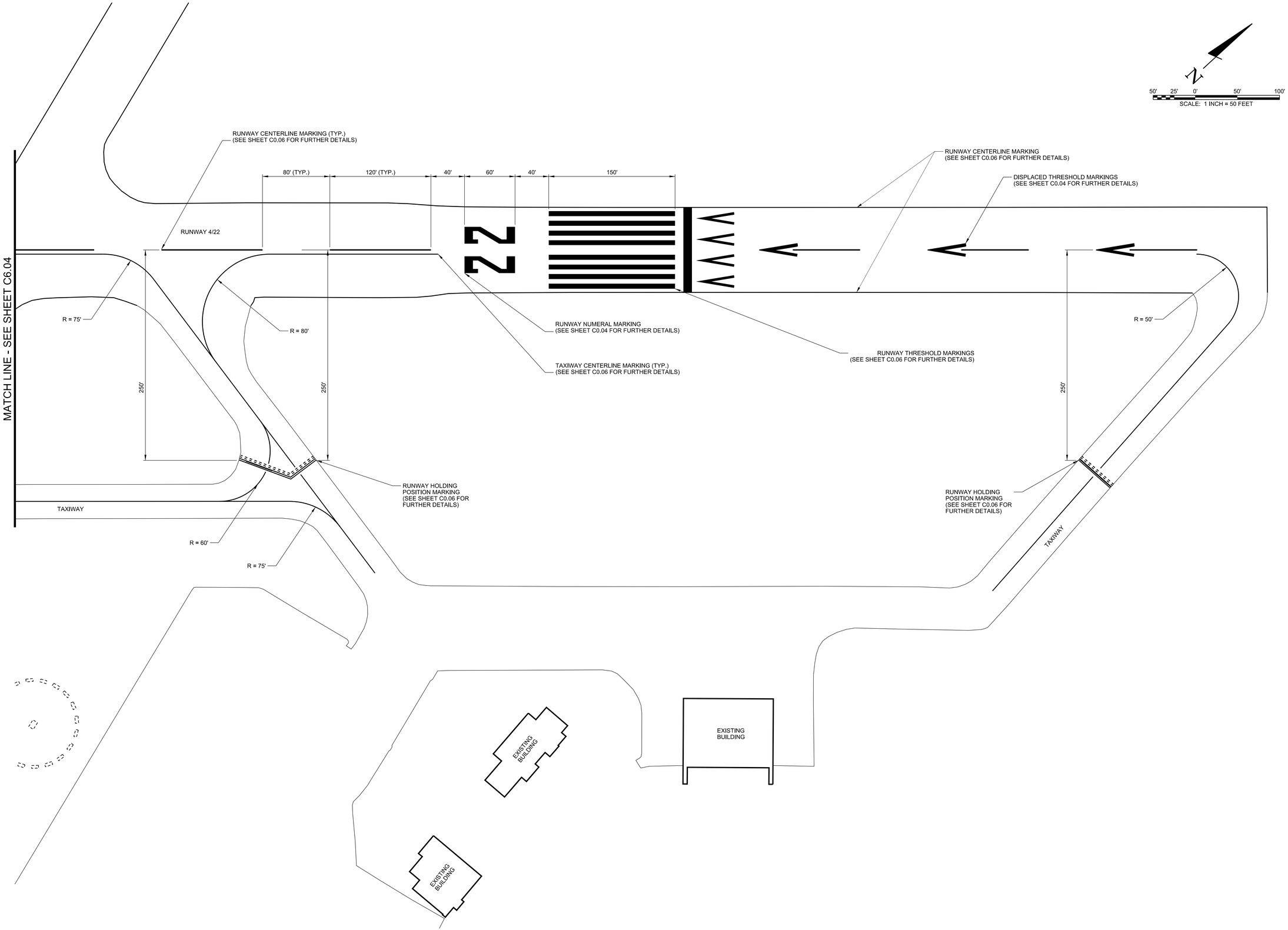
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5/22/19

AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
DYERSBURG REGIONAL AIRPORT, DYR
DYERSBURG, TENNESSEE

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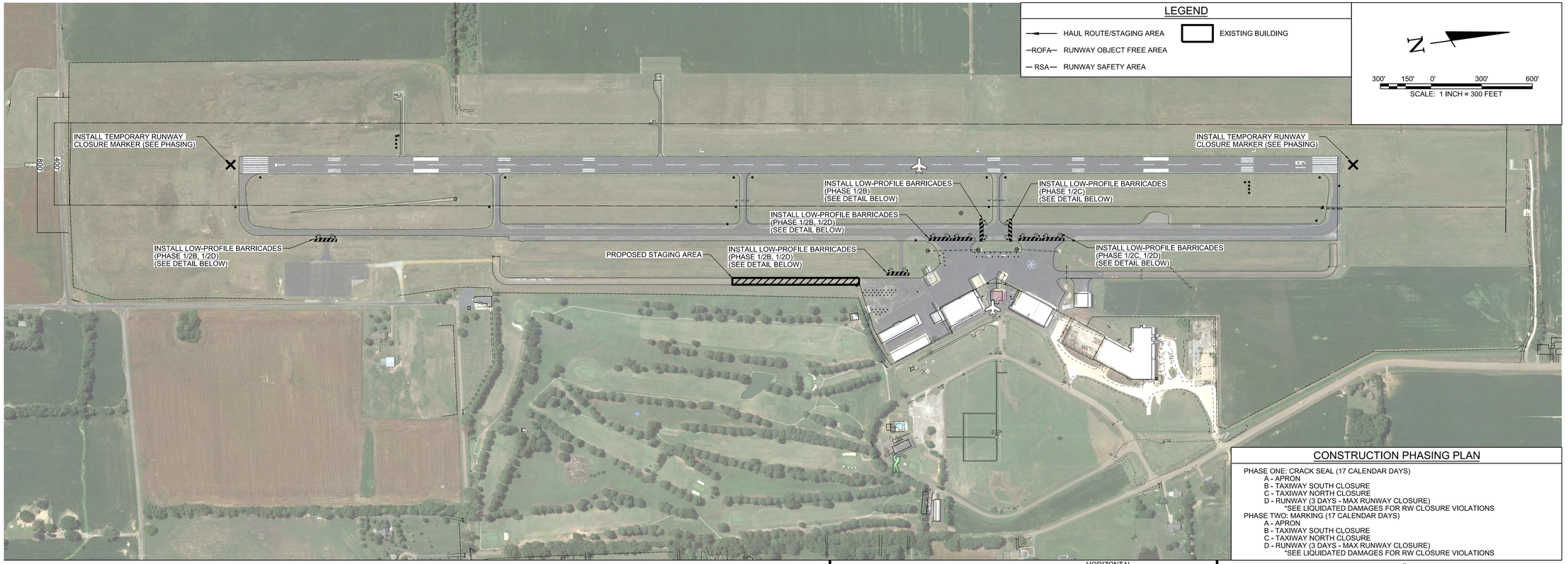
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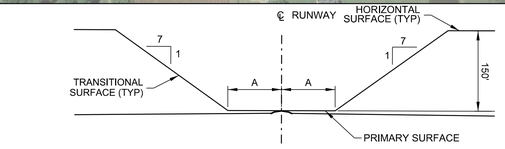
CONSTRUCTION PHASING PLAN

PHASE ONE: CRACK SEAL (17 CALENDAR DAYS)
- A - APRON
- B - TAXIWAY SOUTH CLOSURE
- C - TAXIWAY NORTH CLOSURE
- D - RUNWAY (3 DAYS - MAX RUNWAY CLOSURE)
  *SEE LIQUIDATED DAMAGES FOR RW CLOSURE VIOLATIONS

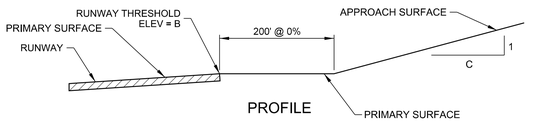
PHASE TWO: MARKING (17 CALENDAR DAYS)
- A - APRON
- B - TAXIWAY SOUTH CLOSURE
- C - TAXIWAY NORTH CLOSURE
- D - RUNWAY (3 DAYS - MAX RUNWAY CLOSURE)
  *SEE LIQUIDATED DAMAGES FOR RW CLOSURE VIOLATIONS

CONSTRUCTION SAFETY NOTES

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER AND THE OWNER NOT LESS THAN TWO (2) DAYS PRIOR TO ENTERING THE CONSTRUCTION SITE FOR ANY PURPOSE SO THAT THEY MAY PUBLISH "NOTICES TO AIRMAN" OF THE CONSTRUCTION ACTIVITIES.
2. SUFFICIENT SWEEPERS AND CLEAN UP EQUIPMENT SHALL BE PROVIDED IN ORDER THAT ALL LOOSE MATERIAL, DEBRIS AND MUD CAN BE REMOVED FROM ALL AIRPORT OPERATIONS AREAS ON A CONTINUOUS BASIS.
3. NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR RADIOS, CONSTRUCTION OF AND MAINTENANCE OF HAUL ROUTES AND CONSTRUCTION ENTRANCE, ETC. AS INCLUDED IN THESE NOTES. ALL COSTS ASSOCIATED WITH THESE ITEMS MUST BE INCLUDED IN THE CONTRACT BID PRICES WHICH WOULD MOST LIKELY INCLUDE THEM.
4. THE CONTRACTOR AND PERSONNEL SHALL NOT, AT ANY TIME, BE ON THE RUNWAY OR TAXIWAYS UNLESS THE AIRPORT MANAGER GIVES PRIOR APPROVAL.
5. THE CONTRACTOR SHALL TAKE EXTREME CAUTION AROUND ALL EXISTING AIRPORT EQUIPMENT.
6. THE CONSTRUCTION ENTRANCE, STAGING AREA, EMPLOYEE PARKING, STOCKPILE AREA, WASTE AREA AND BORROW AREA SHALL BE COORDINATED WITH THE AIRPORT MANAGER.
7. THE CONTRACTOR SHALL HAVE A MAN ON 24-HOUR CALL FOR EMERGENCY MAINTENANCE OF AIRPORT HAZARD LIGHTING AND BARRICADES AND OTHER EMERGENCIES WHICH MAY ARISE AS A RESULT OF THIS WORK.
8. THE CONTRACTOR'S PERSONNEL AND EQUIPMENT SHALL NOT BE PERMITTED OUTSIDE THE CONSTRUCTION WORK LIMITS WITHOUT BEING ESCORTED BY THE OWNER APPROVED ESCORT.
9. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW THE SAFETY PROVISIONS INCORPORATED IN THE FOLLOWING FEDERAL AVIATION ADMINISTRATION (FAA) DOCUMENTS, WHICH ARE AVAILABLE FOR REVIEW BY DOWNLOADING THE DOCUMENTS ON-LINE AT HTTP://WWW.FAA.GOV:
   - 9.1 ADVISORY CIRCULAR NUMBER 150/5370-10H, "STANDARDS FOR SPECIFYING CONSTRUCTION OF AIRPORTS"
   - 9.2 ADVISORY CIRCULAR NUMBER 150/5370-2G, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTON"
   - 9.3 ADVISORY CIRCULAR NUMBER 150/5210-5D, "PAINTING, MARKING, AND LIGHTING OF VEHICLES USED ON `AN AIRPORT"
10. THE CONTRACTOR SHALL BE REQUIRED TO MINIMIZE DUST CREATED BY CONSTRUCTION ACTIVITIES USING WATER OR OTHER DEVICES. ANY COST ASSOCIATED WITH DUST CONTROL SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. IN THE EVENT DUST WHICH IS CREATED BY CONSTRUCTION ACTIVITIES BECOMES A HAZARD TO OPERATIONS AND/OR AIRCRAFT NAVIGATION CONSTRUCTION ACTIVITES WILL BE SHUT DOWN. THIS SHUTDOWN TIME WILL NOT BE A BASIS FOR CLAIMS FOR ADDITIONAL CONTRACT TIME OR COMPENSATION.
11. AIRCRAFT OPERATIONS SHALL AT ALL TIMES HAVE PRIORITY OVER ALL VEHICLES, EQUIPMENT AND PERSONNEL. THE CONTRACTOR SHALL EMPLOY STRICT MEASURES TO PREVENT ANY CONFLICT BETWEEN HIS PERSONNEL AND AIRCRAFT ON ANY ACTIVE AIRFIELD PAVEMENT. THE CONTRACTOR SHALL REMAIN CLEAR OF ACTIVE RUNWAYS AND TAXIWAYS.
12. ALL CONTRACTOR VEHICLES, INCLUDING HAULING VEHICLES, THAT ARE AUTHORIZED TO OPERATE ON THE AIRPORT WITHIN THE DESIGNATED LIMITS OF CONSTRUCTION OR HAUL ROUTES AS DEFINED HEREIN, SHALL DISPLAY IN FULL VIEW ABOVE THE VEHICLE A 3'X3' OR LARGER ORANGE AND WHITE CHECKERBOARD FLAG. EACH CHECKERBOARD COLOR BEING 1' SQUARE. WHEN OPERATING DURING PERIODS OF DARKNESS OR LIMITED VISIBILITY, CONTRACTOR'S VEHICLE SHALL BE EQUIPPED WITH ROTATING OR FLASHING AMBER LIGHTS. DURING SUCH PERIODS, HAULING VEHICLES NOT SO EQUIPPED SHALL BE ESCORTED BY A VEHICLE SO EQUIPPED.
13. CONTRACTOR SHALL CONTROL THE ON-AIRPORT MOVEMENT AND ACTIVITIES OF ITS EMPLOYEES AND SUBCONTRACTORS.
14. OPEN-FLAME WELDING OR TORCH-CUTTING OPERATIONS ARE PROHIBITED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS HAVE BEEN APPROVED BY THE OWNER.
15. OPEN TRENCHES, EXCAVATIONS AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHALL BE PROMINENTLY MARKED WITH ORANGE FLAGS AND LIGHTED WITH FLASHING AMBER LIGHT UNITS (ACCEPTABLE TO THE OWNER) DURING HOURS OF RESTRICTED VISIBILITY OR DARKNESS.
16. STOCKPILED MATERIAL SHALL BE CONSTRAINED IN A MANNER TO PREVENT MOVEMENT AS A RESULT OF AIRCRAFT OR WIND.
17. ANY DAMAGE TO THE EXISTING AIRPORT LIGHTING SYSTEM CAUSED BY CONSTRUCTION OPERATIONS SHALL BE IMMEDIATELY NOTED TO THE OWNER AND REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE AND TO THE OWNER'S SPECIFICATIONS.
18. DEBRIS, WASTE AND LOOSE MATERIAL CAPABLE OF CAUSING DAMAGE TO AIRCRAFT LANDING GEAR, PROPELLERS AND ROTORS, OR OF BEING INGESTED BY JET ENGINES SHALL NOT BE LEFT ON ACTIVE AIRCRAFT MOVEMENT AREAS. MATERIAL DROPPED WITHIN THESE AREAS SHALL BE REMOVED CONTINUOUSLY DURING WORKING HOURS.
19. THE CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY REFLECTORIZED SIGNS TO CLEARLY MARK THE DESIGNATED ACCESS ROUTES TO AFFECTED AREAS OF AIRPORT PROPERTY. CONTRACTOR SHALL CONTROL ACCESS TO THE WORKING AREA BY CONSTRUCTION VEHICLES AS DELINEATED ON THIS PLAN.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMING ALL PERSONS UNDER THEIR CONTROL THAT UNAUTHORIZED CONSTRUCTION PERSONNEL FOUND IN RESTRICTED AREAS OF THE AIRPORT SHOWN ON THE SAFETY PLAN ARE SUBJECT TO ARREST FOR A PUNISHABLE FEDERAL OFFENSE AND WILL PROMPTLY AND PERMANENTLY BE REMOVED FROM THE JOB.
21. THE CONTRACTOR SHALL PROVIDE APPROVED FLAGMAN TO CONTROL ALL CONSTRUCTION TRAFFIC AND APPROVED GATE GUARD TO CONTROL ALL CONSTRUCTION TRAFFIC ENTERING PROJECT.
22. CONTRACTOR SHALL CONTROL AND ESCORT ALL CONSTRUCTION TRAFFIC ENTERING AIRPORT TO PREVENT CONFLICTS WITH AIRCRAFT OPERATIONS.
23. SPECIAL ACCESS REQUIREMENTS AND OPERATING LIMITATIONS ARE REQUIRED INSIDE THE SECURITY FENCE. THE CONTRACTOR SHALL DELINEATE WORK LIMITS WITHIN THESE AREAS USING STAKES WITH FLAGGING AS NOTED. CONFINE ALL CONTRACTOR'S PERSONNEL, EQUIPMENT AND MATERIALS INSIDE THE OWNER'S APPROVED WORK LIMITS.
24. THE CONTRACTOR SHALL PERFORM CONSTRUCTION OPERATIONS AS NECESSARY TO MINIMIZE ATTRACTION TO BIRDS CAUSED BY PONDED WATER AND GRASS SEED.
25. THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN FLASHING LIGHTS AND BARRICADES ALONG AIRCRAFT APRON EDGES OR WHERE TEMPORARY PAVEMENT CLOSURES OR AIRCRAFT LIMITATIONS ARE REQUIRED. BARRICADES SHALL BE SPACED NO MORE THAN 8 FEET ON CENTER OR AS NOTED ALONG THE AFFECTED PAVEMENT EDGE OR ACROSS THE PAVEMENT OF A CLOSED TAXIWAY. THE CONTRACTOR SHALL DAILY MAINTAIN THE LIGHTS AND BARRICADES IN AN OPERABLE CONDITION FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL FURNISH THE OWNER A CONTACT NUMBER FOR 24-HOUR MAINTENANCE OF LIGHTS AND BARRICADES. THE COST FOR BARRICADES AND LIGHTS SHALL BE INCIDENTAL TO THE PROJECT.
26. NO CONSTRUCTION TRAFFIC SHALL ENTER OR CROSS ANY ACTIVE AIRPORT OPERATIONAL AREA EXCEPT UPON AUTHORIZATION BY THE OWNER.
27. REFER TO THE GENERAL NOTES FOR REQUIREMENTS PERTAINING TO STORAGE OF CONSTRUCTION EQUIPMENT AND MATERIALS WHEN NOT IN USE.
28. THE CONTRACTOR SHALL COMPLY WITH ALL SECURITY REQUIREMENTS SPECIFIED HEREIN. THE CONTRACTOR SHALL DESIGNATE IN WRITING TO THE OWNER THE NAME OF ITS "CONTRACTOR SECURITY OFFICER". THE CONTRACTOR SECURITY OFFICER SHALL REPRESENT THE CONTRACTOR ON THE SECURITY REQUIREMENTS OF THE CONTRACT.
29. THE CONTRACTOR'S SECURITY OFFICER SHALL BE RESPONSIBLE FOR BRIEFING ALL CONTRACTOR PERSONNEL ON THESE REQUIREMENTS. CONTRACTOR EMPLOYEES SHALL ATTEND THE OWNER'S SECURITY TRAINING SESSION AND SHALL BE BRIEFED ON THESE REQUIREMENTS PRIOR TO WORKING IN THE CONSTRUCTION AREAS.
30. THE CONTRACTOR SHALL ACQUAINT THEIR SUPERVISORS AND EMPLOYEES WITH THE AIRPORT ACTIVITIES AND OPERATIONS THAT ARE INHERENT AT THIS AIRPORT AND SHALL CONDUCT THEIR CONSTRUCTION ACTIVITIES TO CONFORM TO ALL ROUTINE AND EMERGENCY AIR TRAFFIC REQUIREMENTS AND TO THE GUIDELINES ON SAFETY.
31. CONTRACTOR TO FIELD VERIFY AND PROTECT ALL EXISTING UTILITIES BEFORE CONSTRUCTION WORK BEGINS.
32. ALL LOCATIONS USED FOR HAUL ROUTES, STAGING AREAS, EMPLOYEE PARKING AND MATERIAL STORAGE SHALL BE CLEANED UP WHEN ALL CONSTRUCTION IS COMPLETED.
33. ALL FOREMAN'S SUPERINTENDANT'S VEHICLES SHALL CONTAIN RADIOS CAPABLE OF TRANSMITTING AND RECEIVING THE UNICOM FREQUENCY OF 122.70. NORMAL RADIO COMMUNICATIONS BETWEEN CONTRACTOR PERSONNEL WILL NOT BE ALLOWED ON THE UNICOM FREQUENCY OF 122.70 OR ANY OTHER FAA FREQUENCY. THE CONTRACTOR IS REQUIRED TO MONITOR THE AIRPORT FREQUENCY WHENEVER THEIR FORCES ARE ON AIRPORT PROPERTY, WHETHER OR NOT THE RUNWAY IS OPEN OR CLOSED.
34. THE CONTRACTOR IS ENCOURAGED TO DOCUMENT VIA PICTURES AND/OR VIDEO THE PRE-CONSTRUCTION CONDITION OF ALL PAVEMENTS AND STRUCTURES. ANY DAMAGE NOTICED AFTER THE CONTRACTOR'S MOBILIZATION WILL BE ASSUMED TO BE CAUSED BY THE CONTRACTOR AND SHALL BE FULLY REPAIRED AT THE CONTRACTOR'S EXPENSE.
35. NO EQUIPMENT WILL BE ALLOWED WITHIN 400' OF THE PRIMARY RUNWAY 1-19 CENTERLINE. NO EQUIPMENT WILL BE PARKED OR STORED WITHIN 800' OF THE PRIMARY RUNWAY 1-19 CENTERLINE.
36. NO EQUIPMENT WILL BE ALLOWED WITHIN 39.5' OF THE TAXIWAY'S CENTERLINE. NO EQUIPMENT WILL BE PARKED OR STORED WITHIN 65.5' OF TAXIWAY ALPHA'S CENTERLINE.
37. THE EXISTING AIRPORT PAVEMENTS ARE DESIGNED FOR AIRCRAFT TRAFFIC ONLY, AND MAY NOT SUPPORT LOADED TRUCK OR HEAVY EQUIPMENT. ANY DAMAGE RESULTING FROM THE CONTRACTOR'S ACTIONS WILL BE IMMEDIATELY REPAIRED TO FAA STANDARDS AT THE CONTRACTOR'S EXPENSE.



CROSS SECTION OF RUNWAY



PROFILE

RUNWAY END	A	B	C
1	200'	309.6'	50
19	200'	345.6'	34

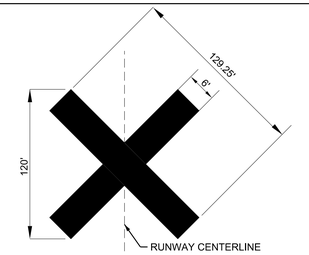
FAR PART 77 SURFACES
DRAWING NOT TO SCALE

NOTE:
THE PART 77 SECTION VIEW IS CENTERED ON THE RUNWAY CENTERLINE AT THE CENTERLINE ELEVATION, AND ON THE EXTENDED RUNWAY CENTERLINE AT THE RUNWAY THRESHOLD ELEVATION TO A POINT 200 FEET BEYOND EACH THRESHOLD. THE SECTION THEN RISES ALONG THE SLOPE INDICATED ON THE PROFILE VIEW.

PAVEMENT	SAFETY AREA WIDTH*
R/W 1-19	400'

*ALL DISTANCES ARE CENTERED ABOUT THE CENTERLINE OF THE AREA LISTED.

SAFETY AREA DIMENSIONS



NOTES:
1. CONTRACTOR SHALL BE REQURIED TO PROVIDE AND MAINTAIN TEMPORARY RUNWAY CLOSURE MARKERS.
2. THE TEMPORARY CLOSED RUNWAY MARKINGS SHALL BE AVIATION YELLOW AND MAY BE CONSTRUCTED OF MATERIAL SUCH AS FABRIC OR PLYWOOD.
3. PLACE MARKINGS AS SHOWN ON THIS SHEET. THE LOCATION OF THE TEMPORARY CLOSED RUNWAY MARKERS SHALL BE PLACED ON THE RUNWAY CENTERLINE.
4. FOR RUNWAYS THAT HAVE BEEN TEMPORARILY CLOSED, PLACE MARKER AT EACH END OF THE RUNWAY DIRECTLY ON OR AS NEAR AS PRACTICABLE TO THE RUNWAY DESIGNATION NUMBERS.
5. FOR A MULTIPLE RUNWAY ENVIRONMENT, IF THE CLOSURE MARKER ON A DESIGNATED NUMBER WILL BE LOCATED IN THE RSA OF AN ADJACENT ACTIVE RUNWAY, LOCATE THE MARKER FARTHER DOWN THE CLOSED RUNWAY TO CLEAR THE RSA OF THE ACTIVE RUNWAY.

1 C7.01 RUNWAY CLOSURE MARKER
SCALE: N.T.S.

AIRPORT CONTACT INFORMATION:
TIM SMITH
1489 AIRPORT CIRCLE, UNION CITY, TN 38261
(731) 885-1221

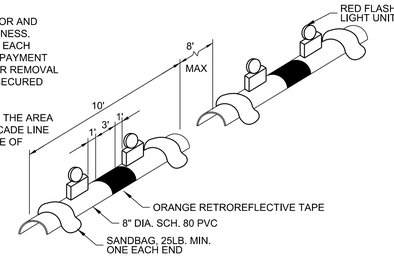
LOCAL EMERGENCY PHONE NUMBERS:
EMERGENCY:
911

UNION CITY POLICE DEPARTMENT:
(731) 885-1515

UNION CITY FIRE DEPARTMENT:
(731) 885-4851

LIQUIDATED DAMAGES:
$1,000 PER CALENDAR DAY

NOTES:
1. CAUTION LIGHTS TO BE RED IN COLOR AND FLASHING DURING HOURS OF DARKNESS. UNITS TO BE PLACED ADJACENT TO EACH OTHER. THERE WILL BE NO DIRECT PAYMENT FOR FURNISHING, MAINTENANCE, OR REMOVAL OF THIS BARRIER. UNITS MUST BE SECURED TO PVC.
2. ALL BARRICADES SHALL DELINEATE THE AREA TO BE PROTECTED AND THE BARRICADE LINE SHALL EXTEND TO 10' OFF THE EDGE OF EITHER SIDE OF ANY PAVEMENT.



2 C7.01 AIRFIELD BARRICADE DETAIL
SCALE: N.T.S.

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5/22/19

CONSTRUCTION SAFETY & PHASING PLAN (CSPP)

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
EVERETT STEWART REGIONAL AIRPORT, UCY
UNION CITY, TENNESSEE

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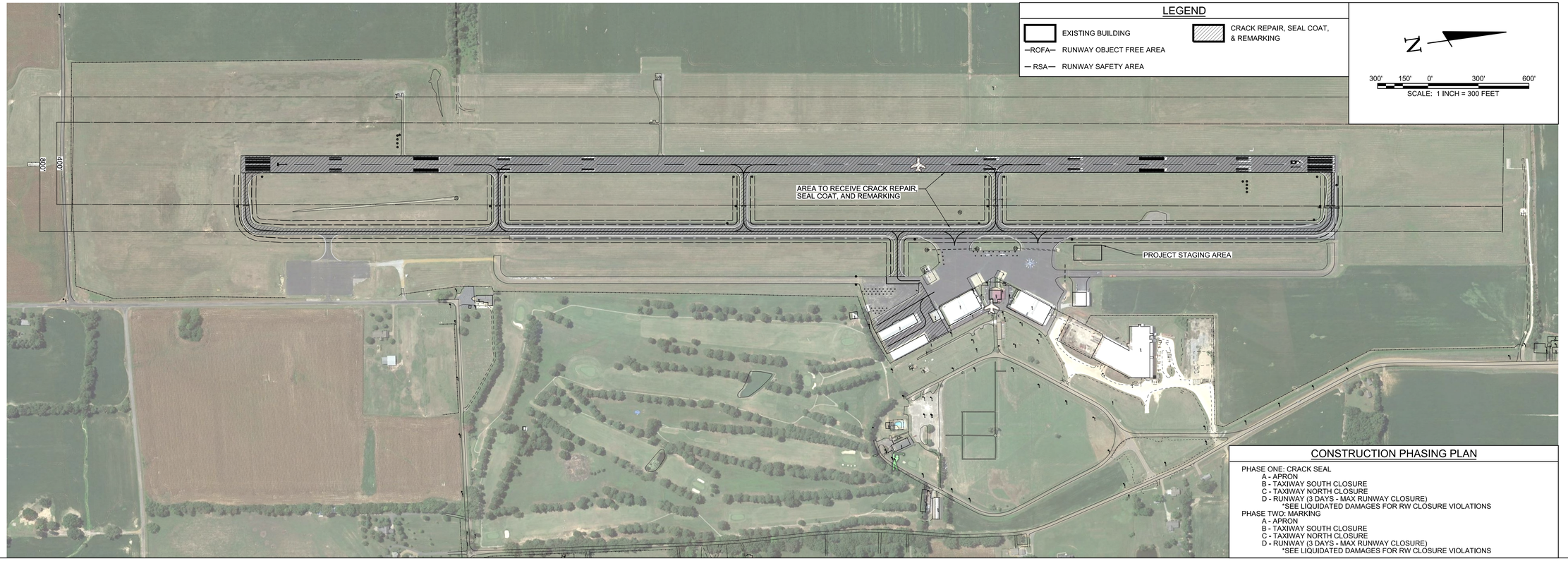
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SCHEDULE OF QUANTITIES

EVERETT STEWART REGIONAL AIRPORT, UCY

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P-620-5.2	TEMPORARY YELLOW PAINT	SF	7,400
P-620-5.3	WHITE PAINT WITH REFLECTIVE MEDIA	SF	87,800
P-620-5.4	YELLOW PAINT WITH REFLECTIVE MEDIA	SF	7,400

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OVERALL SITE LAYOUT PLAN

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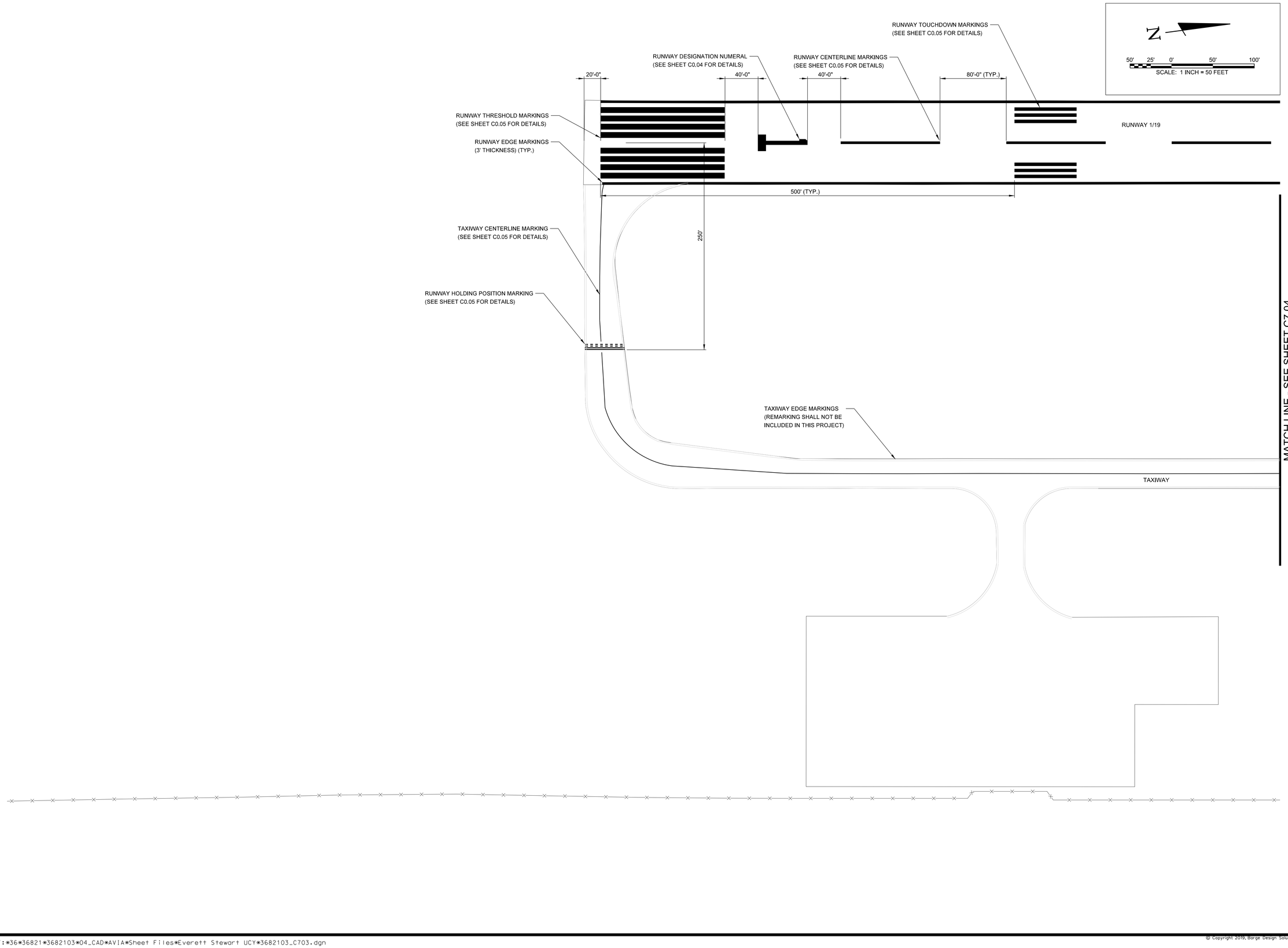
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AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
EVERETT STEWART REGIONAL AIRPORT, UCY
UNION CITY, TENNESSEE

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	JAC	JDG	05/22/2019	ISSUED FOR BID

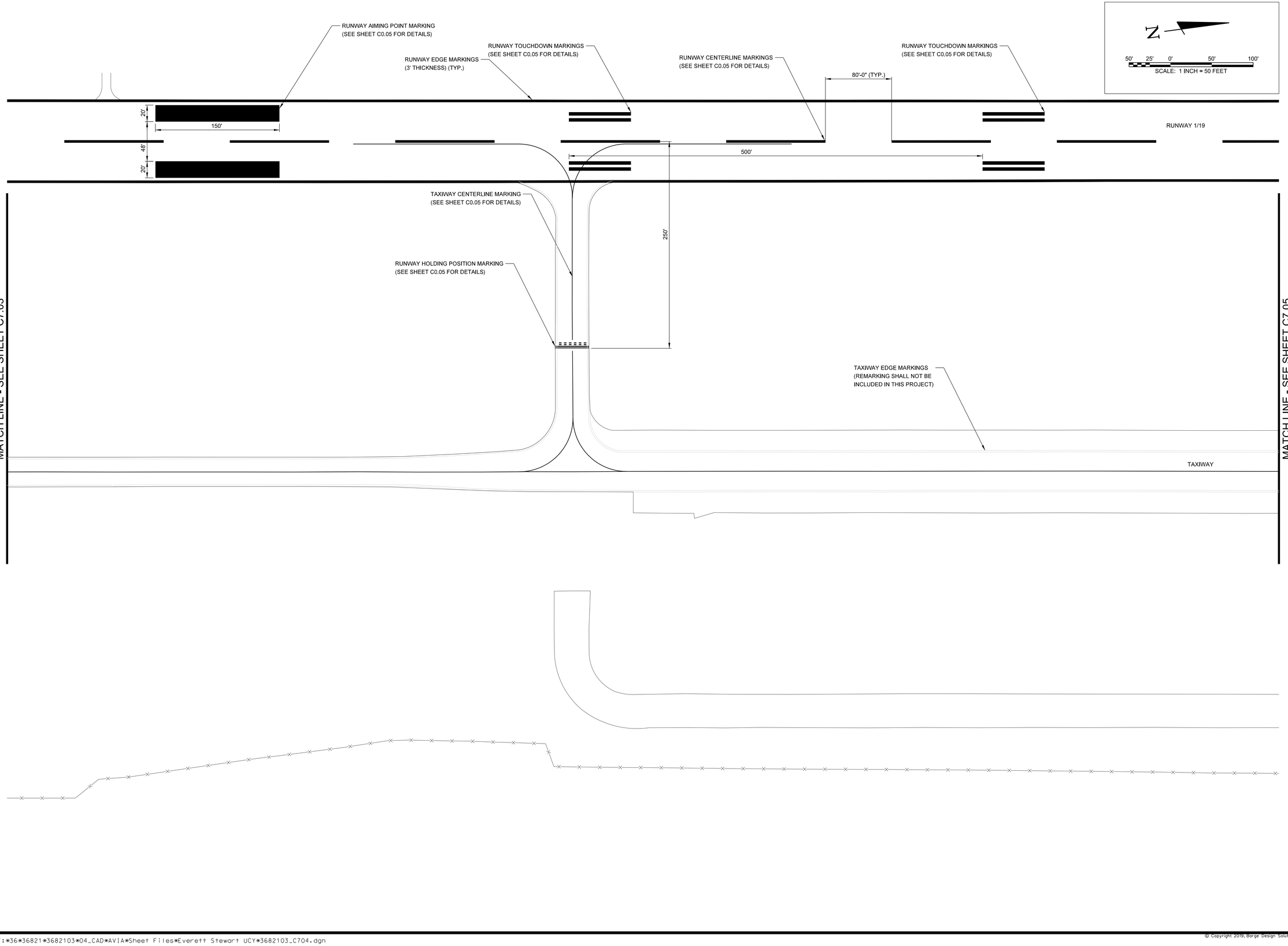
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JEREMY GREEN
REGISTERED ENGINEER
NO. 121791
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5/22/19

AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
EVERETT STEWART REGIONAL AIRPORT, UCY
UNION CITY, TENNESSEE

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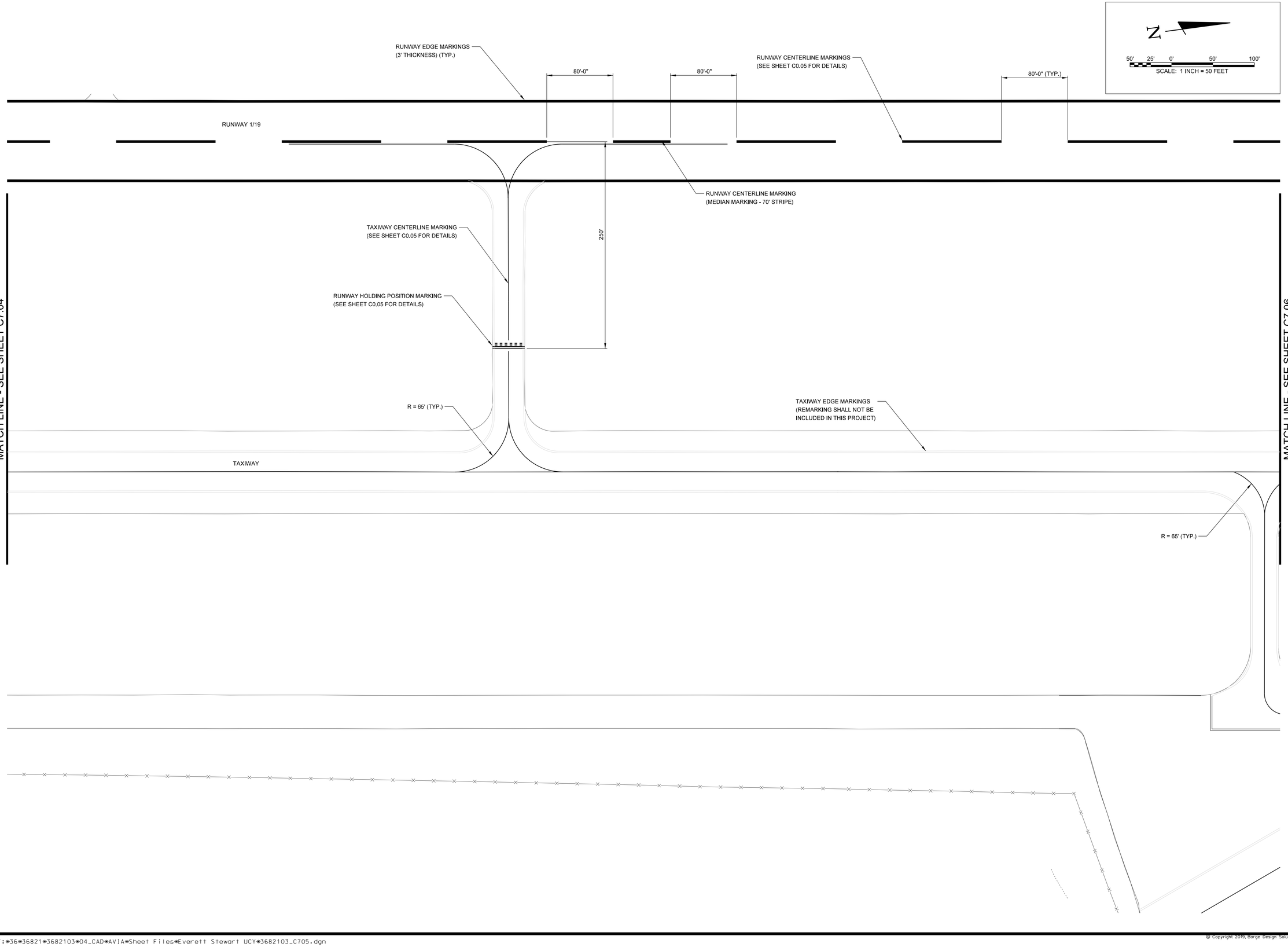
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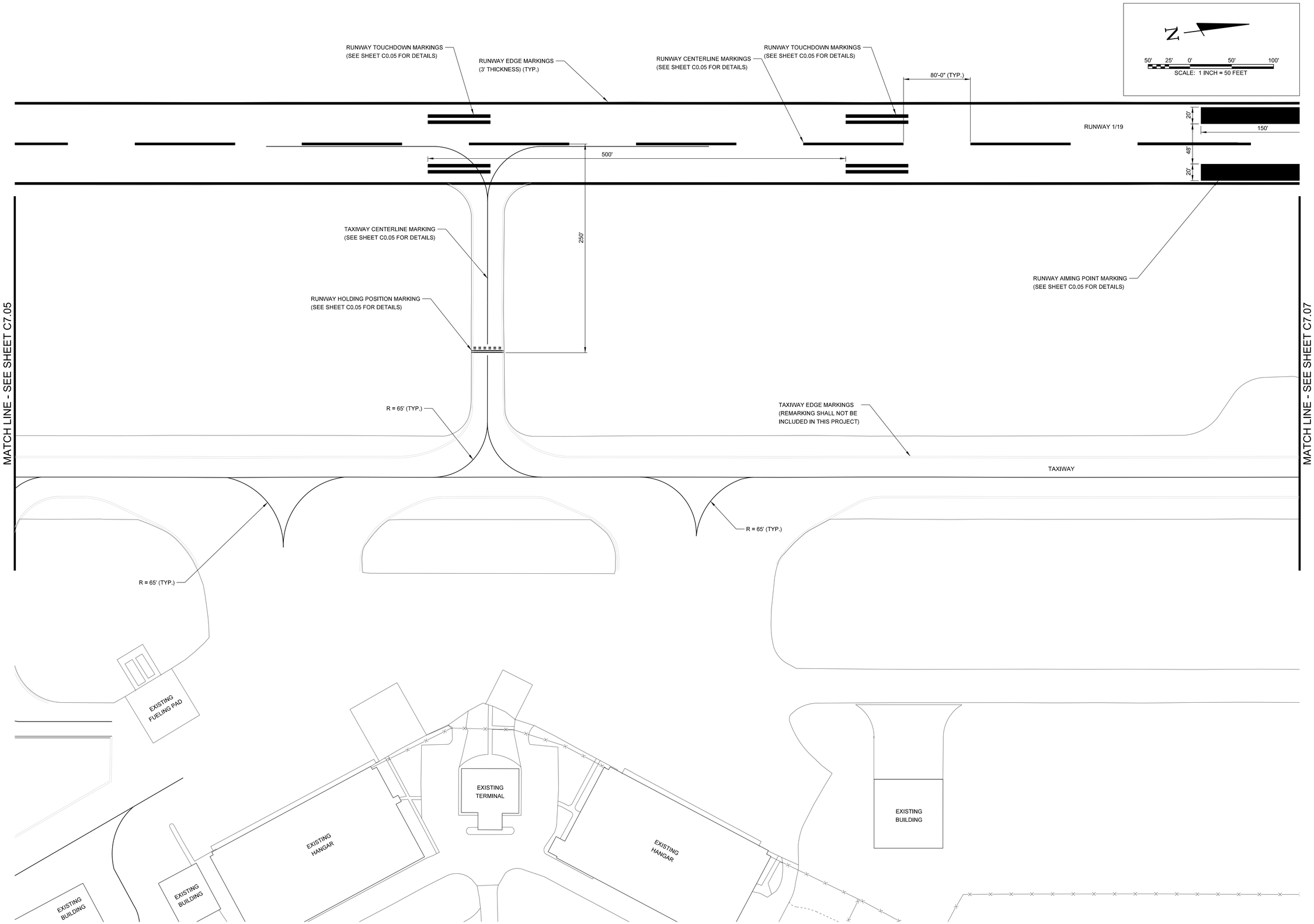
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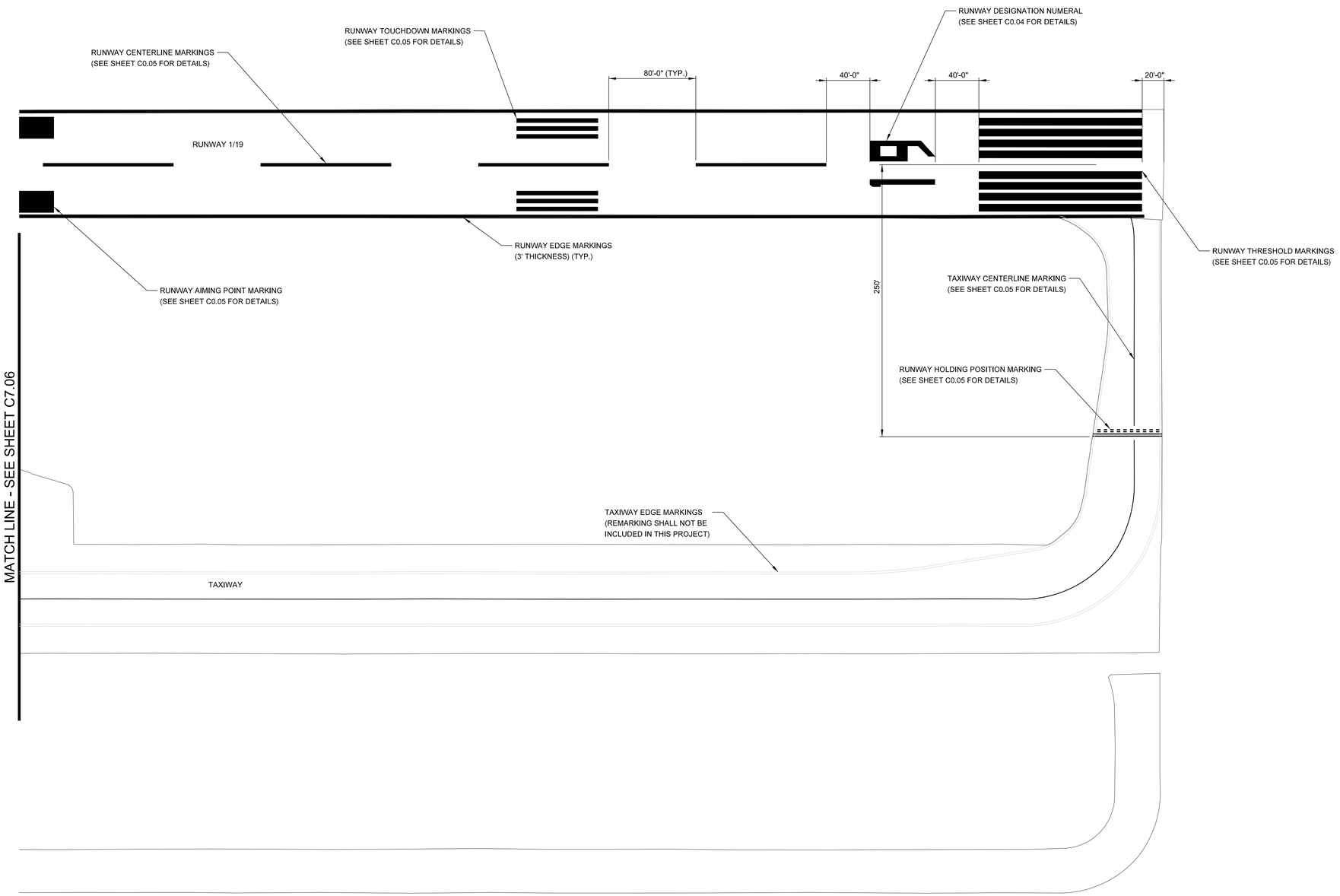
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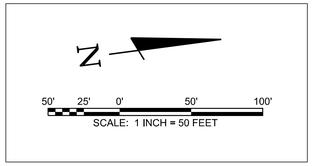
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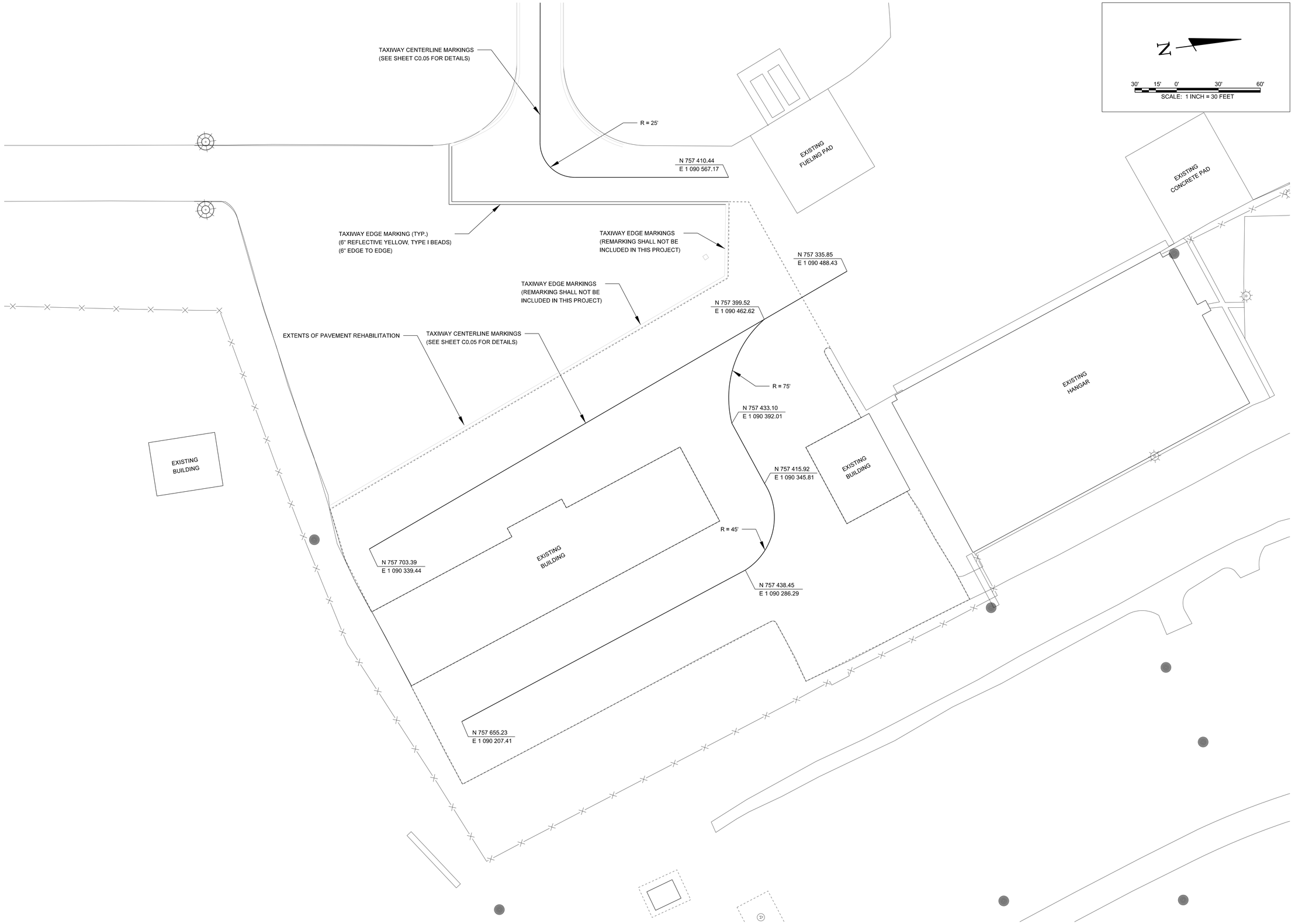
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AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
EVERETT STEWART REGIONAL AIRPORT, UCY
UNION CITY, TENNESSEE

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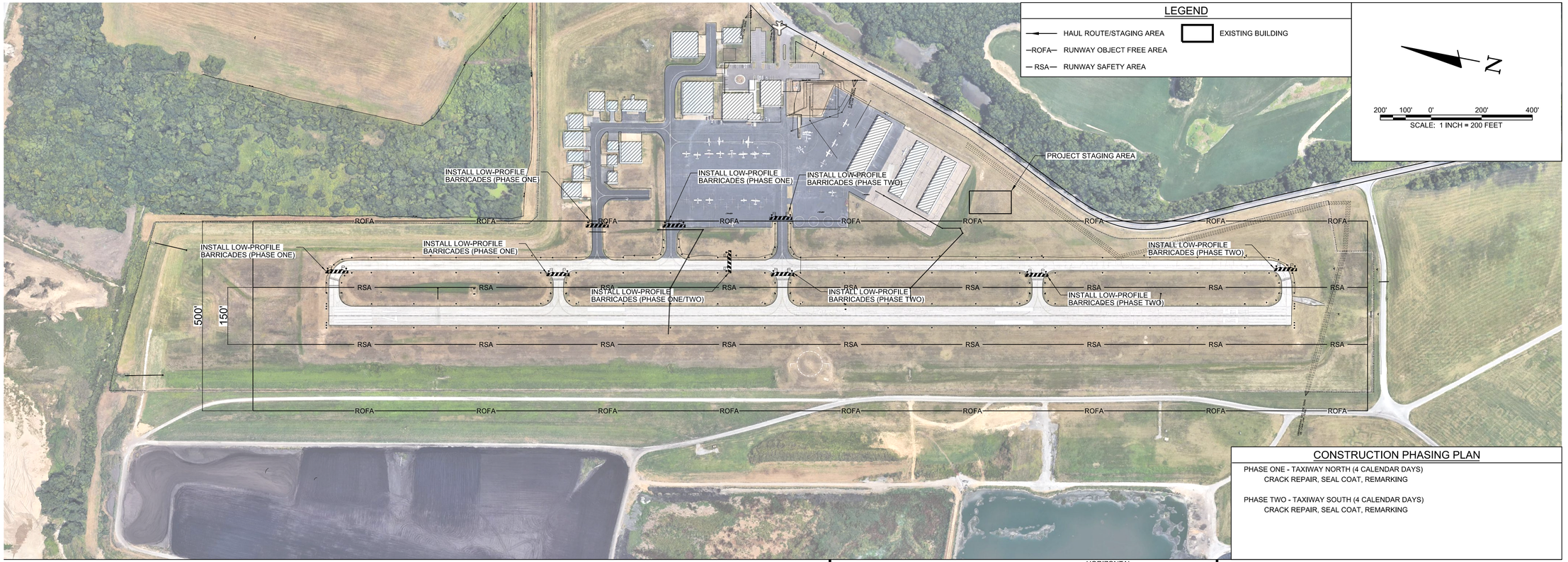
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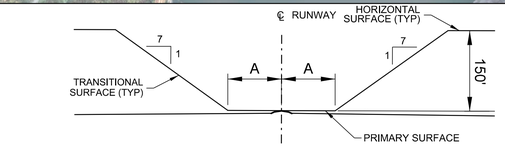
CONSTRUCTION PHASING PLAN

PHASE ONE - TAXIWAY NORTH (4 CALENDAR DAYS)
CRACK REPAIR, SEAL COAT, REMARKING

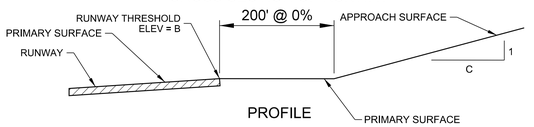
PHASE TWO - TAXIWAY SOUTH (4 CALENDAR DAYS)
CRACK REPAIR, SEAL COAT, REMARKING

CONSTRUCTION SAFETY NOTES

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER AND THE OWNER NOT LESS THAN TWO (2) DAYS PRIOR TO ENTERING THE CONSTRUCTION SITE FOR ANY PURPOSE SO THAT THEY MAY PUBLISH "NOTICES TO AIRMAN" OF THE CONSTRUCTION ACTIVITIES.
2. SUFFICIENT SWEEPERS AND CLEAN UP EQUIPMENT SHALL BE PROVIDED IN ORDER THAT ALL LOOSE MATERIAL, DEBRIS AND MUD CAN BE REMOVED FROM ALL AIRPORT OPERATIONS AREAS ON A CONTINUOUS BASIS.
3. NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR RADIOS, CONSTRUCTION OF AND MAINTENANCE OF HAUL ROUTES AND CONSTRUCTION ENTRANCE, ETC. AS INCLUDED IN THESE NOTES. ALL COSTS ASSOCIATED WITH THESE ITEMS MUST BE INCLUDED IN THE CONTRACT BID PRICES WHICH WOULD MOST LIKELY INCLUDE THEM.
4. THE CONTRACTOR AND PERSONNEL SHALL NOT, AT ANY TIME, BE ON THE RUNWAY OR TAXIWAYS UNLESS THE AIRPORT MANAGER GIVES PRIOR APPROVAL.
5. THE CONTRACTOR SHALL TAKE EXTREME CAUTION AROUND ALL EXISTING AIRPORT EQUIPMENT.
6. THE CONSTRUCTION ENTRANCE, STAGING AREA, EMPLOYEE PARKING, STOCKPILE AREA, WASTE AREA AND BORROW AREA SHALL BE COORDINATED WITH THE AIRPORT MANAGER.
7. THE CONTRACTOR SHALL HAVE A MAN ON 24-HOUR CALL FOR EMERGENCY MAINTENANCE OF AIRPORT HAZARD LIGHTING AND BARRICADES AND OTHER EMERGENCIES WHICH MAY ARISE AS A RESULT OF THIS WORK.
8. THE CONTRACTOR'S PERSONNEL AND EQUIPMENT SHALL NOT BE PERMITTED OUTSIDE THE CONSTRUCTION WORK LIMITS WITHOUT BEING ESCORTED BY THE OWNER APPROVED ESCORT.
9. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW THE SAFETY PROVISIONS INCORPORATED IN THE FOLLOWING FEDERAL AVIATION ADMINISTRATION (FAA) DOCUMENTS, WHICH ARE AVAILABLE FOR REVIEW BY DOWNLOADING THE DOCUMENTS ON-LINE AT HTTP://WWW.FAA.GOV:
   - 9.1 ADVISORY CIRCULAR NUMBER 150/5370-10H, "STANDARDS FOR SPECIFYING CONSTRUCTION OF AIRPORTS"
   - 9.2 ADVISORY CIRCULAR NUMBER 150/5370-2G, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION"
   - 9.3 ADVISORY CIRCULAR NUMBER 150/5210-5D, "PAINTING, MARKING, AND LIGHTING OF VEHICLES USED ON `AN AIRPORT"
10. THE CONTRACTOR SHALL BE REQUIRED TO MINIMIZE DUST CREATED BY CONSTRUCTION ACTIVITIES USING WATER OR OTHER DEVICES. ANY COST ASSOCIATED WITH DUST CONTROL SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. IN THE EVENT DUST WHICH IS CREATED BY CONSTRUCTION ACTIVITIES BECOMES A HAZARD TO AIRFIELD OPERATIONS AND/OR AIRCRAFT NAVIGATION CONSTRUCTION ACTIVITES WILL BE SHUT DOWN. THIS SHUTDOWN TIME WILL NOT BE A BASIS FOR CLAIMS FOR ADDITIONAL CONTRACT TIME OR COMPENSATION.
11. AIRCRAFT OPERATIONS SHALL AT ALL TIMES HAVE PRIORITY OVER ALL VEHICLES, EQUIPMENT AND PERSONNEL. THE CONTRACTOR SHALL EMPLOY STRICT MEASURES TO PREVENT ANY CONFLICT BETWEEN HIS PERSONNEL AND AIRCRAFT ON ANY ACTIVE AIRFIELD PAVEMENT. THE CONTRACTOR SHALL REMAIN CLEAR OF ACTIVE RUNWAYS AND TAXIWAYS.
12. ALL CONTRACTOR VEHICLES, INCLUDING HAULING VEHICLES, THAT ARE AUTHORIZED TO OPERATE ON THE AIRPORT WITHIN THE DESIGNATED LIMITS OF CONSTRUCTION OR HAUL ROUTES AS DEFINED HEREIN, SHALL DISPLAY IN FULL VIEW ABOVE THE VEHICLE A 3'X3' OR LARGER ORANGE AND WHITE CHECKERBOARD FLAG. EACH CHECKERBOARD COLOR BEING 1' SQUARE. WHEN OPERATING DURING PERIODS OF DARKNESS OR LIMITED VISIBILITY, CONTRACTOR'S VEHICLE SHALL BE EQUIPPED WITH ROTATING OR FLASHING AMBER LIGHTS. DURING SUCH PERIODS, HAULING VEHICLES NOT SO EQUIPPED SHALL BE ESCORTED BY A VEHICLE SO EQUIPPED.
13. CONTRACTOR SHALL CONTROL THE ON-AIRPORT MOVEMENT AND ACTIVITIES OF ITS EMPLOYEES AND SUBCONTRACTORS.
14. OPEN-FLAME WELDING OR TORCH-CUTTING OPERATIONS ARE PROHIBITED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS HAVE BEEN APPROVED BY THE OWNER.
15. OPEN TRENCHES, EXCAVATIONS AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHALL BE PROMINENTLY MARKED WITH ORANGE FLAGS AND LIGHTED WITH FLASHING AMBER LIGHT UNITS (ACCEPTABLE TO THE OWNER) DURING HOURS OF RESTRICTED VISIBILITY OR DARKNESS.
16. STOCKPILED MATERIAL SHALL BE CONSTRAINED IN A MANNER TO PREVENT MOVEMENT AS A RESULT OF AIRCRAFT OR WIND.
17. ANY DAMAGE TO THE EXISTING AIRPORT LIGHTING SYSTEM CAUSED BY CONSTRUCTION OPERATIONS SHALL BE IMMEDIATELY NOTED TO THE OWNER AND REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE AND TO THE OWNER'S SPECIFICATIONS.
18. DEBRIS, WASTE AND LOOSE MATERIAL CAPABLE OF CAUSING DAMAGE TO AIRCRAFT LANDING GEAR, PROPELLERS AND ROTORS, OR OF BEING INGESTED BY JET ENGINES SHALL NOT BE LEFT ON ACTIVE AIRCRAFT MOVEMENT AREAS. MATERIAL DROPPED WITHIN THESE AREAS SHALL BE REMOVED CONTINUOUSLY DURING WORKING HOURS.
19. THE CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY REFLECTORIZED SIGNS TO CLEARLY MARK THE DESIGNATED ACCESS ROUTES TO AFFECTED AREAS OF AIRPORT PROPERTY. CONTRACTOR SHALL CONTROL ACCESS TO THE WORKING AREA BY CONSTRUCTION VEHICLES AS DELINEATED ON THIS PLAN.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMING ALL PERSONS UNDER THEIR CONTROL THAT UNAUTHORIZED CONSTRUCTION PERSONNEL FOUND IN RESTRICTED AREAS OF THE AIRPORT SHOWN ON THE SAFETY PLAN ARE SUBJECT TO ARREST FOR A PUNISHABLE FEDERAL OFFENSE AND WILL PROMPTLY AND PERMANENTLY BE REMOVED FROM THE JOB.
21. THE CONTRACTOR SHALL PROVIDE APPROVED FLAGMAN TO CONTROL ALL CONSTRUCTION TRAFFIC AND APPROVED GATE GUARD TO CONTROL ALL CONSTRUCTION TRAFFIC ENTERING PROJECT.
22. CONTRACTOR SHALL CONTROL AND ESCORT ALL CONSTRUCTION TRAFFIC ENTERING AIRPORT TO PREVENT CONFLICTS WITH AIRCRAFT OPERATIONS.
23. SPECIAL ACCESS REQUIREMENTS AND OPERATING LIMITATIONS ARE REQUIRED INSIDE THE SECURITY FENCE. THE CONTRACTOR SHALL DELINEATE WORK LIMITS WITHIN THESE AREAS USING STAKES WITH FLAGGING AS NOTED. CONFINE ALL CONTRACTOR'S PERSONNEL, EQUIPMENT AND MATERIALS INSIDE THE OWNER'S APPROVED WORK LIMITS.
24. THE CONTRACTOR SHALL PERFORM CONSTRUCTION OPERATIONS AS NECESSARY TO MINIMIZE ATTRACTION TO BIRDS CAUSED BY PONDED WATER AND GRASS SEED.
25. THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN FLASHING LIGHTS AND BARRICADES ALONG AIRCRAFT APRON EDGES OR WHERE TEMPORARY PAVEMENT CLOSURES OR AIRCRAFT LIMITATIONS ARE REQUIRED. BARRICADES SHALL BE SPACED NO MORE THAN 8 FEET ON CENTER OR AS NOTED ALONG THE AFFECTED PAVEMENT EDGE OR ACROSS THE PAVEMENT OF A CLOSED TAXIWAY. THE CONTRACTOR SHALL DAILY MAINTAIN THE LIGHTS AND BARRICADES IN AN OPERABLE CONDITION FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL FURNISH THE OWNER A CONTACT NUMBER FOR 24-HOUR MAINTENANCE OF LIGHTS AND BARRICADES. THE COST FOR BARRICADES AND LIGHTS SHALL BE INCIDENTAL TO THE PROJECT.
26. NO CONSTRUCTION TRAFFIC SHALL ENTER OR CROSS ANY ACTIVE AIRPORT OPERATIONAL AREA EXCEPT UPON AUTHORIZATION BY THE OWNER.
27. REFER TO THE GENERAL NOTES FOR REQUIREMENTS PERTAINING TO STORAGE OF CONSTRUCTION EQUIPMENT AND MATERIALS WHEN NOT IN USE.
28. THE CONTRACTOR SHALL COMPLY WITH ALL SECURITY REQUIREMENTS SPECIFIED HEREIN. THE CONTRACTOR SHALL DESIGNATE IN WRITING TO THE OWNER THE NAME OF ITS "CONTRACTOR SECURITY OFFICER". THE CONTRACTOR SECURITY OFFICER SHALL REPRESENT THE CONTRACTOR ON THE SECURITY REQUIREMENTS OF THE CONTRACT.
29. THE CONTRACTOR'S SECURITY OFFICER SHALL BE RESPONSIBLE FOR BRIEFING ALL CONTRACTOR PERSONNEL ON THESE REQUIREMENTS. CONTRACTOR EMPLOYEES SHALL ATTEND THE OWNER'S SECURITY TRAINING SESSION AND SHALL BE BRIEFED ON THESE REQUIREMENTS PRIOR TO WORKING IN THE CONSTRUCTION AREAS.
30. THE CONTRACTOR SHALL ACQUAINT THEIR SUPERVISORS AND EMPLOYEES WITH THE AIRPORT ACTIVITIES AND OPERATIONS THAT ARE INHERENT AT THIS AIRPORT AND SHALL CONDUCT THEIR CONSTRUCTION ACTIVITIES TO CONFORM TO ALL ROUTINE AND EMERGENCY AIR TRAFFIC REQUIREMENTS AND TO THE GUIDELINES ON SAFETY.
31. CONTRACTOR TO FIELD VERIFY AND PROTECT ALL EXISTING UTILITIES BEFORE CONSTRUCTION WORK BEGINS.
32. ALL LOCATIONS USED FOR HAUL ROUTES, STAGING AREAS, EMPLOYEE PARKING AND MATERIAL STORAGE SHALL BE CLEANED UP WHEN ALL CONSTRUCTION IS COMPLETED.
33. ALL FOREMAN'S SUPERINTENDANT'S VEHICLES SHALL CONTAIN RADIOS CAPABLE OF TRANSMITTING AND RECEIVING THE UNICOM FREQUENCY OF 122.70. NORMAL RADIO COMMUNICATIONS BETWEEN CONTRACTOR PERSONNEL WILL NOT BE ALLOWED ON THE UNICOM FREQUENCY OF 122.70 OR ANY OTHER FAA FREQUENCY. THE CONTRACTOR IS REQUIRED TO MONITOR THE AIRPORT FREQUENCY WHENEVER THEIR FORCES ARE ON AIRPORT PROPERTY, WHETHER OR NOT THE RUNWAY IS OPEN OR CLOSED.
34. THE CONTRACTOR IS ENCOURAGED TO DOCUMENT VIA PICTURES AND/OR VIDEO THE PRE-CONSTRUCTION CONDITION OF ALL PAVEMENTS AND STRUCTURES. ANY DAMAGE NOTICED AFTER THE CONTRACTOR'S MOBILIZATION WILL BE ASSUMED TO BE CAUSED BY THE CONTRACTOR AND SHALL BE FULLY REPAIRED AT THE CONTRACTOR'S EXPENSE.
35. NO EQUIPMENT WILL BE ALLOWED WITHIN 150' OF THE PRIMARY RUNWAY 17-35 CENTERLINE. NO EQUIPMENT WILL BE PARKED OR STORED WITHIN 500' OF THE PRIMARY RUNWAY 17-35 CENTERLINE.
36. NO EQUIPMENT WILL BE ALLOWED WITHIN 39.5' OF THE TAXIWAY'S CENTERLINE. NO EQUIPMENT WILL BE PARKED OR STORED WITHIN 65.5' OF TAXIWAY ALPHA'S CENTERLINE.
37. THE EXISTING AIRPORT PAVEMENTS ARE DESIGNED FOR AIRCRAFT TRAFFIC ONLY, AND MAY NOT SUPPORT LOADED TRUCK OR HEAVY EQUIPMENT. ANY DAMAGE RESULTING FROM THE CONTRACTOR'S ACTIONS WILL BE IMMEDIATELY REPAIRED TO FAA STANDARDS AT THE CONTRACTOR'S EXPENSE.



CROSS SECTION OF RUNWAY



PROFILE

RUNWAY END	A	B	C
17	75'	224.8'	34
35	75'	224.8'	34

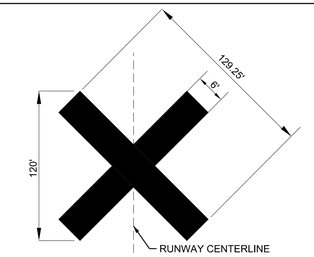
FAR PART 77 SURFACES
DRAWING NOT TO SCALE

NOTE:
THE PART 77 SECTION VIEW IS CENTERED ON THE RUNWAY CENTERLINE AT THE CENTERLINE ELEVATION, AND ON THE EXTENDED RUNWAY CENTERLINE AT THE RUNWAY THRESHOLD ELEVATION TO A POINT 200 FEET BEYOND EACH THRESHOLD. THE SECTION THEN RISES ALONG THE SLOPE INDICATED ON THE PROFILE VIEW.

PAVEMENT	SAFETY AREA WIDTH*
R/W 17-35	150'

*ALL DISTANCES ARE CENTERED ABOUT THE CENTERLINE OF THE AREA LISTED.

SAFETY AREA DIMENSIONS



NOTES:
1. CONTRACTOR SHALL BE REQURIED TO PROVIDE AND MAINTAIN TEMPORARY RUNWAY CLOSURE MARKERS.
2. THE TEMPORARY CLOSED RUNWAY MARKINGS SHALL BE AVIATION YELLOW AND MAY BE CONSTRUCTED OF MATERIAL SUCH AS FABRIC OR PLYWOOD.
3. PLACE MARKINGS AS SHOWN ON THIS SHEET. THE LOCATION OF THE TEMPORARY CLOSED RUNWAY MARKERS SHALL BE PLACED ON THE RUNWAY CENTERLINE.
4. FOR RUNWAYS THAT HAVE BEEN TEMPORARILY CLOSED, PLACE MARKER AT EACH END OF THE RUNWAY DIRECTLY ON OR AS NEAR AS PRACTICABLE TO THE RUNWAY DESIGNATION NUMBERS.
5. FOR A MULTIPLE RUNWAY ENVIRONMENT, IF THE CLOSURE MARKER ON A DESIGNATED NUMBER WILL BE LOCATED IN THE RSA OF AN ADJACENT ACTIVE RUNWAY, LOCATE THE MARKER FARTHER DOWN THE CLOSED RUNWAY TO CLEAR THE RSA OF THE ACTIVE RUNWAY.

1 C8.01 RUNWAY CLOSURE MARKER
SCALE: N.T.S.

AIRPORT CONTACT INFORMATION:
JASON MCBRIDE
2787 NORTH SECOND STREET, MEMPHIS, TN 38127
(901) 358-0028

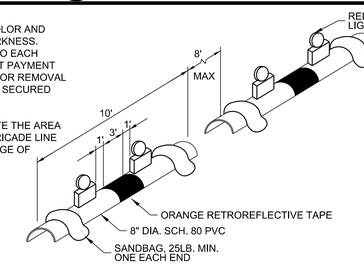
LOCAL EMERGENCY PHONE NUMBERS:
EMERGENCY:
911

MEMPHIS POLICE DEPARTMENT:
(901) 545-2677

MEMPHIS FIRE DEPARTMENT:
(901) 636-1400

LIQUIDATED DAMAGES:
$1,000 PER CALENDAR DAY

NOTES:
1. CAUTION LIGHTS TO BE RED IN COLOR AND FLASHING DURING HOURS OF DARKNESS. UNITS TO BE PLACED ADJACENT TO EACH OTHER. THERE WILL BE NO DIRECT PAYMENT FOR FURNISHING, MAINTENANCE, OR REMOVAL OF THIS BARRIER. UNITS MUST BE SECURED TO PVC.
2. ALL BARRICADES SHALL DELINEATE THE AREA TO BE PROTECTED AND THE BARRICADE LINE SHALL EXTEND TO 10' OFF THE EDGE OF EITHER SIDE OF ANY PAVEMENT.



2 C8.01 AIRFIELD BARRICADE DETAIL
SCALE: N.T.S.

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JEREMY GREEN — REGISTERED ENGINEER — No. 121991 — STATE OF TENNESSEE
5/22/19

CONSTRUCTION SAFETY & PHASING PLAN (CSPP)

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
GENERAL DEWITT SPAIN AIRPORT, M01
MEMPHIS, TENNESSEE

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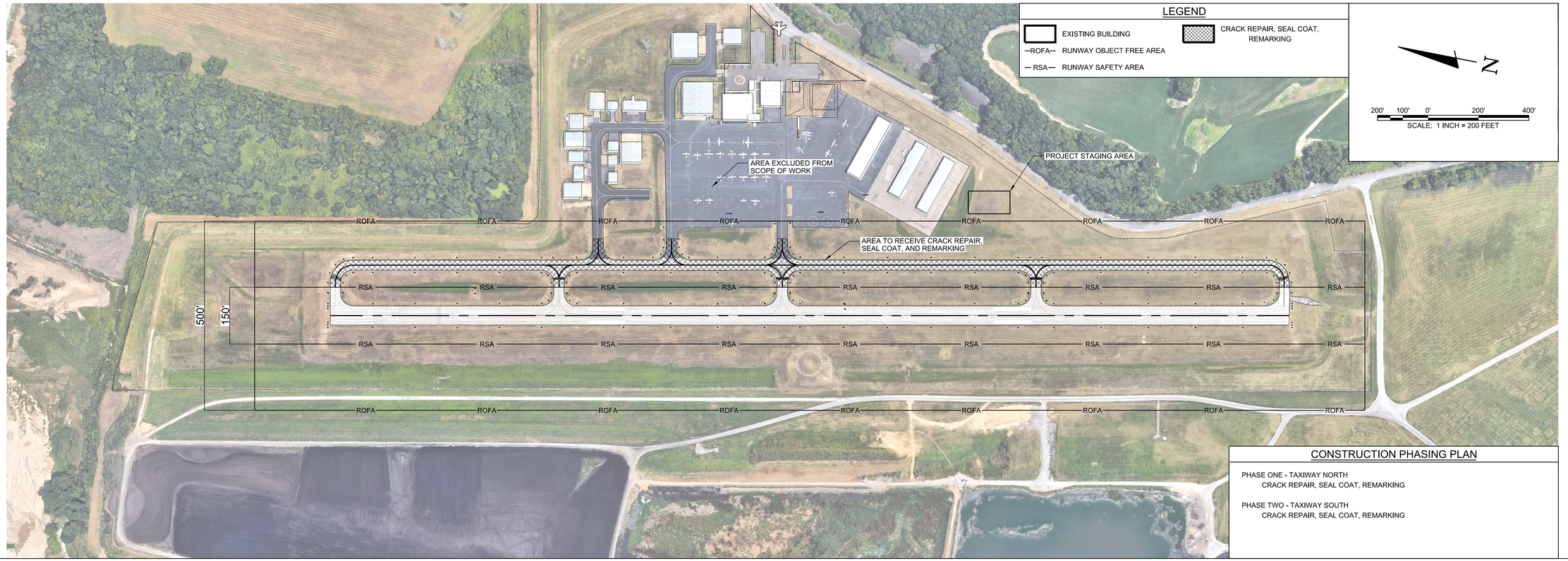
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CONSTRUCTION PHASING PLAN

PHASE ONE - TAXIWAY NORTH
CRACK REPAIR, SEAL COAT, REMARKING

PHASE TWO - TAXIWAY SOUTH
CRACK REPAIR, SEAL COAT, REMARKING

SCHEDULE OF QUANTITIES

GENERAL DEWITT SPAIN AIRPORT, M01

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	28,200
P-101-5.3	AIRFIELD PAVEMENT MARKING REMOVAL	SF	2,700
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	20,200
P-620-5.2	TEMPORARY YELLOW PAINT	SF	3,300
P-620-5.4	YELLOW PAINT WITH REFLECTIVE MEDIA	SF	3,300

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STATE OF TENNESSEE
5/22/19

OVERALL SITE LAYOUT PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
GENERAL DEWITT SPAIN AIRPORT, M01
MEMPHIS, TENNESSEE

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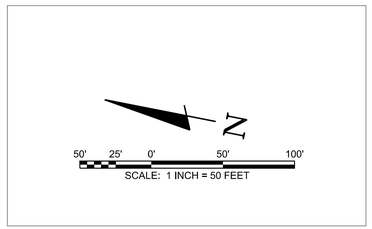
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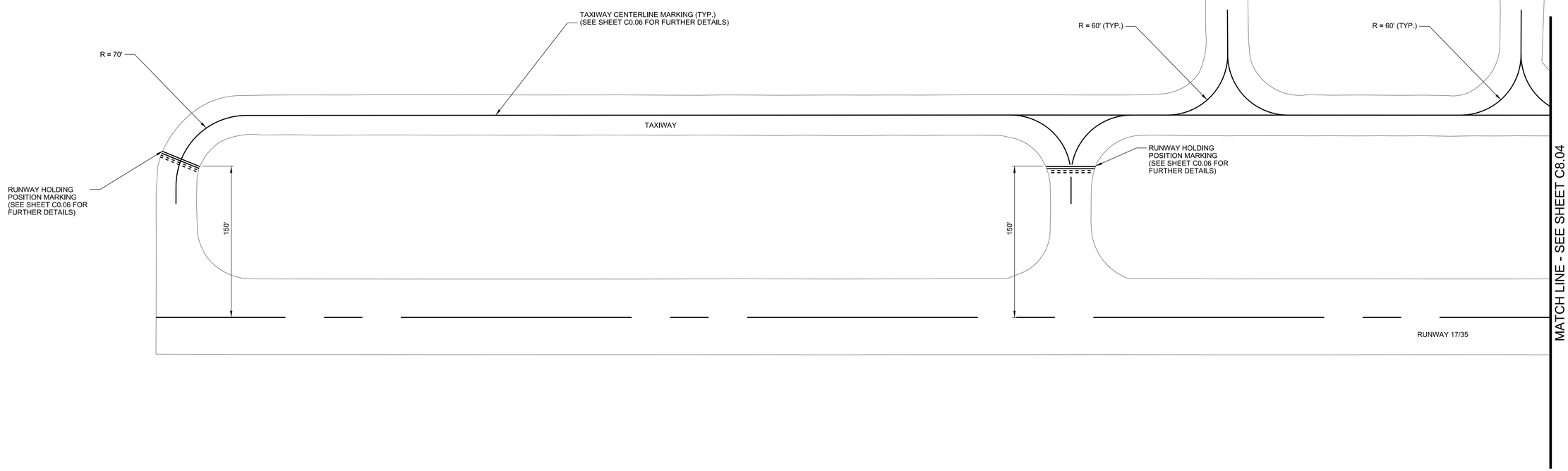
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JEREMY O. GREEN
REGISTERED ENGINEER
NO. 121791
STATE OF TENNESSEE
5/22/19

AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
GENERAL DEWITT SPAIN AIRPORT, M01
MEMPHIS, TENNESSEE

REVISION INFORMATION

REV.	DR.	CHK	DATE	DESCRIPTION
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	JAC	JDG	05/22/2019	ISSUED FOR BID

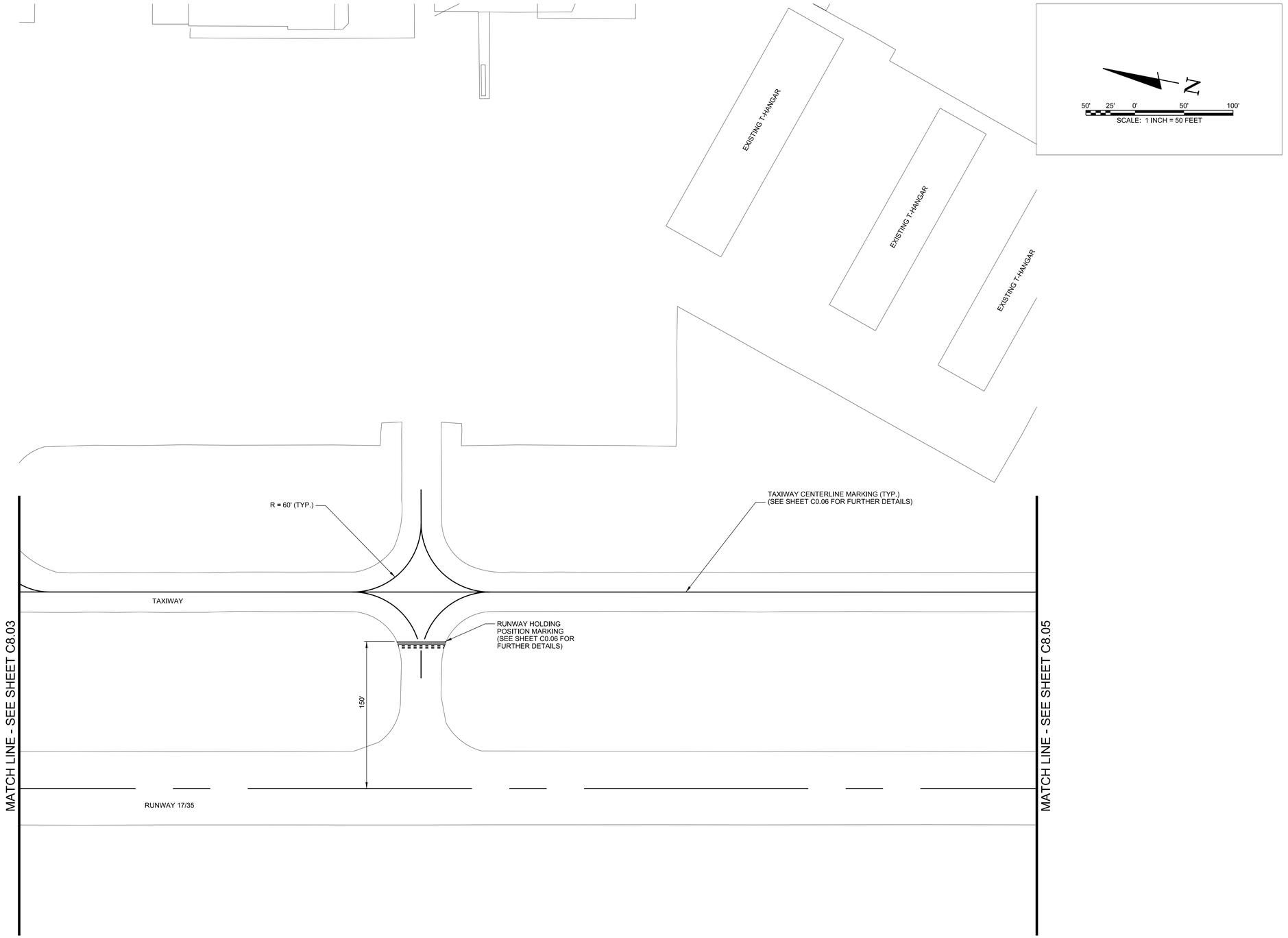
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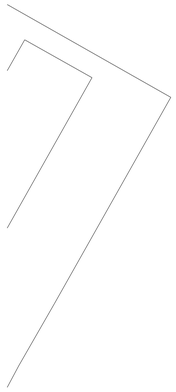
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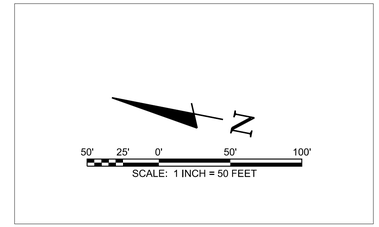
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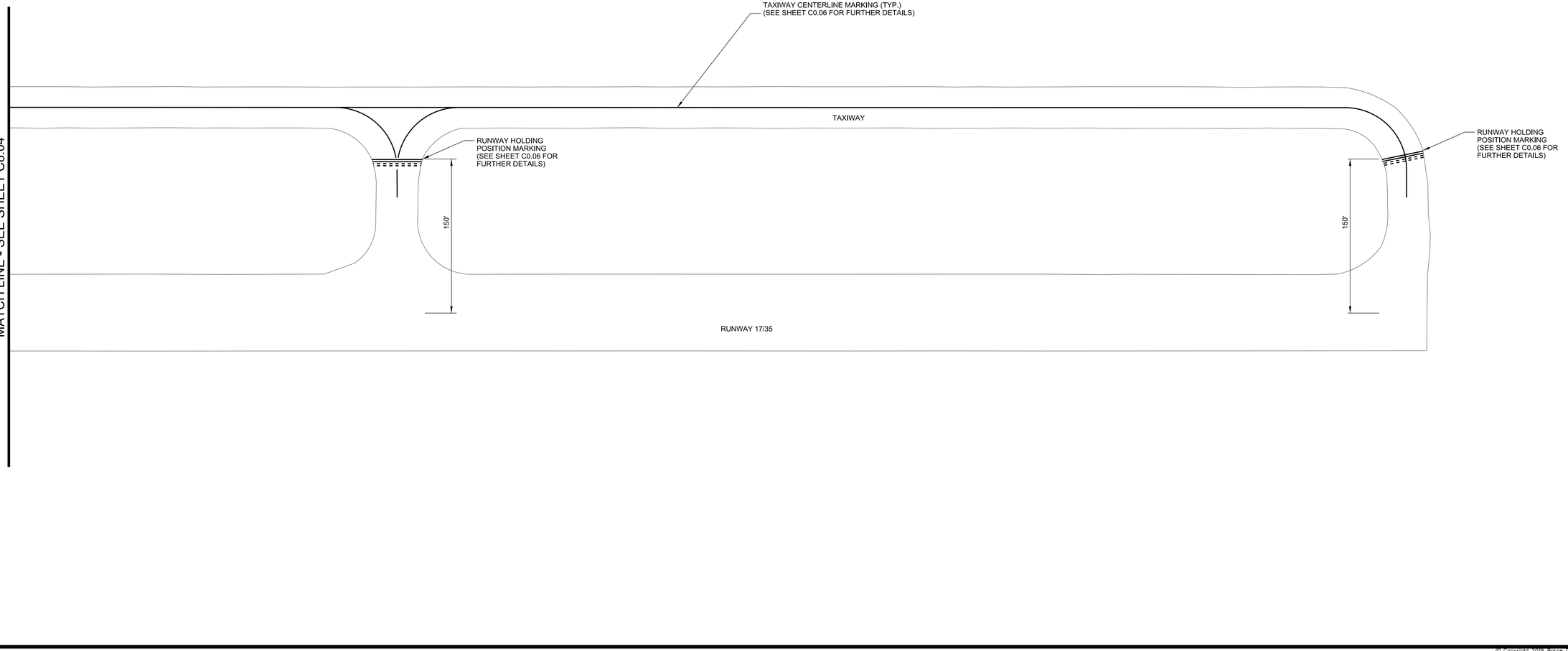
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AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
GENERAL DEWITT SPAIN AIRPORT, M01
MEMPHIS, TENNESSEE

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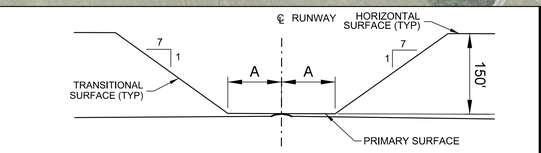


CONSTRUCTION PHASING PLAN

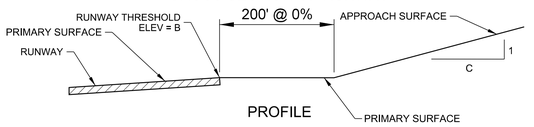
PHASE ONE - RUNWAY (15 CALENDAR DAYS)
CRACK REPAIR, SEAL COAT, REMARKING (RUNWAY CLOSED)

CONSTRUCTION SAFETY NOTES

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER AND THE OWNER NOT LESS THAN TWO (2) DAYS PRIOR TO ENTERING THE CONSTRUCTION SITE FOR ANY PURPOSE SO THAT THEY MAY PUBLISH "NOTICES TO AIRMAN" OF THE CONSTRUCTION ACTIVITIES.
2. SUFFICIENT SWEEPERS AND CLEAN UP EQUIPMENT SHALL BE PROVIDED IN ORDER THAT ALL LOOSE MATERIAL, DEBRIS AND MUD CAN BE REMOVED FROM ALL AIRPORT OPERATIONS AREAS ON A CONTINUOUS BASIS.
3. NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR RADIOS, CONSTRUCTION OF AND MAINTENANCE OF HAUL ROUTES AND CONSTRUCTION ENTRANCE, ETC. AS INCLUDED IN THESE NOTES. ALL COSTS ASSOCIATED WITH THESE ITEMS MUST BE INCLUDED IN THE CONTRACT BID PRICES WHICH WOULD MOST LIKELY INCLUDE THEM.
4. THE CONTRACTOR AND PERSONNEL SHALL NOT, AT ANY TIME, BE ON THE RUNWAY OR TAXIWAYS UNLESS THE AIRPORT MANAGER GIVES PRIOR APPROVAL.
5. THE CONTRACTOR SHALL TAKE EXTREME CAUTION AROUND ALL EXISTING AIRPORT EQUIPMENT.
6. THE CONSTRUCTION ENTRANCE, STAGING AREA, EMPLOYEE PARKING, STOCKPILE AREA, WASTE AREA AND BORROW AREA SHALL BE COORDINATED WITH THE AIRPORT MANAGER.
7. THE CONTRACTOR SHALL HAVE A MAN ON 24-HOUR CALL FOR EMERGENCY MAINTENANCE OF AIRPORT HAZARD LIGHTING AND BARRICADES AND OTHER EMERGENCIES WHICH MAY ARISE AS A RESULT OF THIS WORK.
8. THE CONTRACTOR'S PERSONNEL AND EQUIPMENT SHALL NOT BE PERMITTED OUTSIDE THE CONSTRUCTION WORK LIMITS WITHOUT BEING ESCORTED BY THE OWNER APPROVED ESCORT.
9. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW THE SAFETY PROVISIONS INCORPORATED IN THE FOLLOWING FEDERAL AVIATION ADMINISTRATION (FAA) DOCUMENTS, WHICH ARE AVAILABLE FOR REVIEW BY DOWNLOADING THE DOCUMENTS ON-LINE AT HTTP://WWW.FAA.GOV:
   - 9.1 ADVISORY CIRCULAR NUMBER 150/5370-10H, "STANDARDS FOR SPECIFYING CONSTRUCTION OF AIRPORTS"
   - 9.2 ADVISORY CIRCULAR NUMBER 150/5370-2G, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION"
   - 9.3 ADVISORY CIRCULAR NUMBER 150/5210-5D, "PAINTING, MARKING, AND LIGHTING OF VEHICLES USED ON AN AIRPORT"
10. THE CONTRACTOR SHALL BE REQUIRED TO MINIMIZE DUST CREATED BY CONSTRUCTION ACTIVITIES USING WATER OR OTHER DEVICES. ANY COST ASSOCIATED WITH DUST CONTROL SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. IN THE EVENT DUST WHICH IS CREATED BY CONSTRUCTION ACTIVITIES BECOMES A HAZARD TO AIRFIELD OPERATIONS AND/OR AIRCRAFT NAVIGATION CONSTRUCTION ACTIVITES WILL BE SHUT DOWN. THIS SHUTDOWN TIME WILL NOT BE A BASIS FOR CLAIMS FOR ADDITIONAL CONTRACT TIME OR COMPENSATION.
11. AIRCRAFT OPERATIONS SHALL AT ALL TIMES HAVE PRIORITY OVER ALL VEHICLES, EQUIPMENT AND PERSONNEL. THE CONTRACTOR SHALL EMPLOY STRICT MEASURES TO PREVENT ANY CONFLICT BETWEEN HIS PERSONNEL AND AIRCRAFT ON ANY ACTIVE AIRFIELD PAVEMENT. THE CONTRACTOR SHALL REMAIN CLEAR OF ACTIVE RUNWAYS AND TAXIWAYS.
12. ALL CONTRACTOR VEHICLES, INCLUDING HAULING VEHICLES, THAT ARE AUTHORIZED TO OPERATE ON THE AIRPORT WITHIN THE DESIGNATED LIMITS OF CONSTRUCTION OR HAUL ROUTES AS DEFINED HEREIN, SHALL DISPLAY IN FULL VIEW ABOVE THE VEHICLE A 3'X3' OR LARGER ORANGE AND WHITE CHECKERBOARD FLAG. EACH CHECKERBOARD COLOR BEING 1' SQUARE. WHEN OPERATING DURING PERIODS OF DARKNESS OR LIMITED VISIBILITY, CONTRACTOR'S VEHICLE SHALL BE EQUIPPED WITH ROTATING OR FLASHING AMBER LIGHTS. DURING SUCH PERIODS, HAULING VEHICLES NOT SO EQUIPPED SHALL BE ESCORTED BY A VEHICLE SO EQUIPPED.
13. CONTRACTOR SHALL CONTROL THE ON-AIRPORT MOVEMENT AND ACTIVITIES OF ITS EMPLOYEES AND SUBCONTRACTORS.
14. OPEN-FLAME WELDING OR TORCH-CUTTING OPERATIONS ARE PROHIBITED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS HAVE BEEN APPROVED BY THE OWNER.
15. OPEN TRENCHES, EXCAVATIONS AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHALL BE PROMINENTLY MARKED WITH ORANGE FLAGS AND LIGHTED WITH FLASHING AMBER LIGHT UNITS (ACCEPTABLE TO THE OWNER) DURING HOURS OF RESTRICTED VISIBILITY OR DARKNESS.
16. STOCKPILED MATERIAL SHALL BE CONSTRAINED IN A MANNER TO PREVENT MOVEMENT AS A RESULT OF AIRCRAFT OR WIND.
17. ANY DAMAGE TO THE EXISTING AIRPORT LIGHTING SYSTEM CAUSED BY CONSTRUCTION OPERATIONS SHALL BE IMMEDIATELY NOTED TO THE OWNER AND REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE AND TO THE OWNER'S SPECIFICATIONS.
18. DEBRIS, WASTE AND LOOSE MATERIAL CAPABLE OF CAUSING DAMAGE TO AIRCRAFT LANDING GEAR, PROPELLERS AND ROTORS, OR OF BEING INGESTED BY JET ENGINES SHALL NOT BE LEFT ON ACTIVE AIRCRAFT MOVEMENT AREAS. MATERIAL DROPPED WITHIN THESE AREAS SHALL BE REMOVED CONTINUOUSLY DURING WORKING HOURS.
19. THE CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY REFLECTORIZED SIGNS TO CLEARLY MARK THE DESIGNATED ACCESS ROUTES TO AFFECTED AREAS OF AIRPORT PROPERTY. CONTRACTOR SHALL CONTROL ACCESS TO THE WORKING AREA BY CONSTRUCTION VEHICLES AS DELINEATED ON THIS PLAN.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMING ALL PERSONS UNDER THEIR CONTROL THAT UNAUTHORIZED CONSTRUCTION PERSONNEL FOUND IN RESTRICTED AREAS OF THE AIRPORT SHOWN ON THE SAFETY PLAN ARE SUBJECT TO ARREST FOR A PUNISHABLE FEDERAL OFFENSE AND WILL PROMPTLY AND PERMANENTLY BE REMOVED FROM THE JOB.
21. THE CONTRACTOR SHALL PROVIDE APPROVED FLAGMAN TO CONTROL ALL CONSTRUCTION TRAFFIC AND APPROVED GATE GUARD TO CONTROL ALL CONSTRUCTION TRAFFIC ENTERING PROJECT.
22. CONTRACTOR SHALL CONTROL AND ESCORT ALL CONSTRUCTION TRAFFIC ENTERING AIRPORT TO PREVENT CONFLICTS WITH AIRCRAFT OPERATIONS.
23. SPECIAL ACCESS REQUIREMENTS AND OPERATING LIMITATIONS ARE REQUIRED INSIDE THE SECURITY FENCE. THE CONTRACTOR SHALL DELINEATE WORK LIMITS WITHIN THESE AREAS USING STAKES WITH FLAGGING AS NOTED. CONFINE ALL CONTRACTOR'S PERSONNEL, EQUIPMENT AND MATERIALS INSIDE THE OWNER'S APPROVED WORK LIMITS.
24. THE CONTRACTOR SHALL PERFORM CONSTRUCTION OPERATIONS AS NECESSARY TO MINIMIZE ATTRACTION TO BIRDS CAUSED BY PONDED WATER AND GRASS SEED.
25. THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN FLASHING LIGHTS AND BARRICADES ALONG AIRCRAFT APRON EDGES OR WHERE TEMPORARY PAVEMENT CLOSURES OR AIRCRAFT LIMITATIONS ARE REQUIRED. BARRICADES SHALL BE SPACED NO MORE THAN 8 FEET ON CENTER OR AS NOTED ALONG THE AFFECTED PAVEMENT EDGE OR ACROSS THE PAVEMENT OF A CLOSED TAXIWAY. THE CONTRACTOR SHALL DAILY MAINTAIN THE LIGHTS AND BARRICADES IN AN OPERABLE CONDITION FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL FURNISH THE OWNER A CONTACT NUMBER FOR 24-HOUR MAINTENANCE OF LIGHTS AND BARRICADES. THE COST FOR BARRICADES AND LIGHTS SHALL BE INCIDENTAL TO THE PROJECT.
26. NO CONSTRUCTION TRAFFIC SHALL ENTER OR CROSS ANY ACTIVE AIRPORT OPERATIONAL AREA EXCEPT UPON AUTHORIZATION BY THE OWNER.
27. REFER TO THE GENERAL NOTES FOR REQUIREMENTS PERTAINING TO STORAGE OF CONSTRUCTION EQUIPMENT AND MATERIALS WHEN NOT IN USE.
28. THE CONTRACTOR SHALL COMPLY WITH ALL SECURITY REQUIREMENTS SPECIFIED HEREIN. THE CONTRACTOR SHALL DESIGNATE IN WRITING TO THE OWNER THE NAME OF ITS "CONTRACTOR SECURITY OFFICER". THE CONTRACTOR SECURITY OFFICER SHALL REPRESENT THE CONTRACTOR ON THE SECURITY REQUIREMENTS OF THE CONTRACT.
29. THE CONTRACTOR'S SECURITY OFFICER SHALL BE RESPONSIBLE FOR BRIEFING ALL CONTRACTOR PERSONNEL ON THESE REQUIREMENTS. CONTRACTOR EMPLOYEES SHALL ATTEND THE OWNER'S SECURITY TRAINING SESSION AND SHALL BE BRIEFED ON THESE REQUIREMENTS PRIOR TO WORKING IN THE CONSTRUCTION AREAS.
30. THE CONTRACTOR SHALL ACQUAINT THEIR SUPERVISORS AND EMPLOYEES WITH THE AIRPORT ACTIVITIES AND OPERATIONS THAT ARE INHERENT AT THIS AIRFIELD AND SHALL CONDUCT THEIR CONSTRUCTION ACTIVITIES TO CONFORM TO ALL ROUTINE AND EMERGENCY AIR TRAFFIC REQUIREMENTS AND TO THE GUIDELINES ON SAFETY.
31. CONTRACTOR TO FIELD VERIFY AND PROTECT ALL EXISTING UTILITIES BEFORE CONSTRUCTION WORK BEGINS.
32. ALL LOCATIONS USED FOR HAUL ROUTES, STAGING AREAS, EMPLOYEE PARKING AND MATERIAL STORAGE SHALL BE CLEANED UP WHEN ALL CONSTRUCTION IS COMPLETED.
33. ALL FOREMAN'S SUPERINTENDANT'S VEHICLES SHALL CONTAIN RADIOS CAPABLE OF TRANSMITTING AND RECEIVING THE UNICOM FREQUENCY OF 122.95. NORMAL RADIO COMMUNICATIONS BETWEEN CONTRACTOR PERSONNEL WILL NOT BE ALLOWED ON THE UNICOM FREQUENCY OF 122.95 OR ANY OTHER FAA FREQUENCY. THE CONTRACTOR IS REQUIRED TO MONITOR THE AIRPORT FREQUENCY WHENEVER THEIR FORCES ARE ON AIRPORT PROPERTY, WHETHER OR NOT THE RUNWAY IS OPEN OR CLOSED.
34. THE CONTRACTOR IS ENCOURAGED TO DOCUMENT VIA PICTURES AND/OR VIDEO THE PRE-CONSTRUCTION CONDITION OF ALL PAVEMENTS AND STRUCTURES, ANY DAMAGE NOTICED AFTER THE CONTRACTOR'S MOBILIZATION WILL BE ASSUMED TO BE CAUSED BY THE CONTRACTOR AND SHALL BE FULLY REPAIRED AT THE CONTRACTOR'S EXPENSE.
35. NO EQUIPMENT WILL BE ALLOWED WITHIN 120' OF THE PRIMARY RUNWAY 2-20 CENTERLINE. NO EQUIPMENT WILL BE PARKED OR STORED WITHIN 400' OF THE PRIMARY RUNWAY 2-20 CENTERLINE.
36. NO EQUIPMENT WILL BE ALLOWED WITHIN 39.5' OF THE TAXIWAY'S CENTERLINE. NO EQUIPMENT WILL BE PARKED OR STORED WITHIN 65.5' OF TAXIWAY ALPHA'S CENTERLINE.
37. THE EXISTING AIRPORT PAVEMENTS ARE DESIGNED FOR AIRCRAFT TRAFFIC ONLY, AND MAY NOT SUPPORT LOADED TRUCK OR HEAVY EQUIPMENT. ANY DAMAGE RESULTING FROM THE CONTRACTOR'S ACTIONS WILL BE IMMEDIATELY REPAIRED TO FAA STANDARDS AT THE CONTRACTOR'S EXPENSE.



CROSS SECTION OF RUNWAY



PROFILE

RUNWAY END	A	B	C
2	60'	395.0'	20
20	60'	401.0'	20

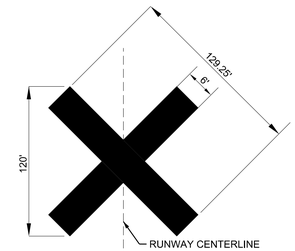
FAR PART 77 SURFACES
DRAWING NOT TO SCALE

NOTE:
THE PART 77 SECTION VIEW IS CENTERED ON THE RUNWAY CENTERLINE AT THE CENTERLINE ELEVATION, AND ON THE EXTENDED RUNWAY CENTERLINE AT THE RUNWAY THRESHOLD ELEVATION TO A POINT 200 FEET BEYOND EACH THRESHOLD. THE SECTION THEN RISES ALONG THE SLOPE INDICATED ON THE PROFILE VIEW.

PAVEMENT	SAFETY AREA WIDTH*
R/W 2-20	120'

*ALL DISTANCES ARE CENTERED ABOUT THE CENTERLINE OF THE AREA LISTED.

SAFETY AREA DIMENSIONS



NOTES:
1. CONTRACTOR SHALL BE REQURIED TO PROVIDE AND MAINTAIN TEMPORARY RUNWAY CLOSURE MARKERS.
2. THE TEMPORARY CLOSED RUNWAY MARKINGS SHALL BE AVIATION YELLOW AND MAY BE CONSTRUCTED OF MATERIAL SUCH AS FABRIC OR PLYWOOD.
3. PLACE MARKINGS AS SHOWN ON THIS SHEET. THE LOCATION OF THE TEMPORARY CLOSED RUNWAY MARKERS SHALL BE PLACED ON THE RUNWAY CENTERLINE.
4. FOR RUNWAYS THAT HAVE BEEN TEMPORARILY CLOSED, PLACE MARKER AT EACH END OF THE RUNWAY DIRECTLY ON OR AS NEAR AS PRACTICABLE TO THE RUNWAY DESIGNATION NUMBERS.
5. FOR A MULTIPLE RUNWAY ENVIRONMENT, IF THE CLOSURE MARKER ON A DESIGNATED NUMBER WILL BE LOCATED IN THE RSA OF AN ADJACENT ACTIVE RUNWAY, LOCATE THE MARKER FARTHER DOWN THE CLOSED RUNWAY TO CLEAR THE RSA OF THE ACTIVE RUNWAY.

1 C9.01 RUNWAY CLOSURE MARKER
SCALE: N.T.S.

AIRPORT CONTACT INFORMATION:
DOUG KIBBEY
BOX 192, CLIFTON, TN 38425
(931) 676-3370

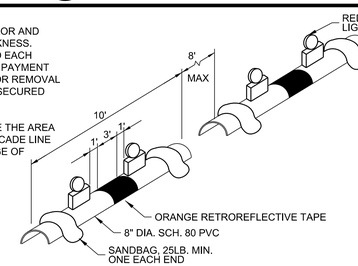
LOCAL EMERGENCY PHONE NUMBERS:
EMERGENCY:
911

CLIFTON POLICE DEPARTMENT:
(931) 676-3435

CLIFTON FIRE DEPARTMENT:
(931) 676-3382

LIQUIDATED DAMAGES:
$1,000 PER CALENDAR DAY

NOTES:
1. CAUTION LIGHTS TO BE RED IN COLOR AND FLASHING DURING HOURS OF DARKNESS. UNITS TO BE PLACED ADJACENT TO EACH OTHER. THERE WILL BE NO DIRECT PAYMENT FOR FURNISHING, MAINTENANCE, OR REMOVAL OF THIS BARRIER. UNITS MUST BE SECURED TO PVC.
2. ALL BARRICADES SHALL DELINEATE THE AREA TO BE PROTECTED AND THE BARRICADE LINE SHALL EXTEND TO 10' OFF THE EDGE OF EITHER SIDE OF ANY PAVEMENT.



2 C9.01 AIRFIELD BARRICADE DETAIL
SCALE: N.T.S.

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5/22/19

CONSTRUCTION SAFETY & PHASING PLAN (CSPP)

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
HASSEL FIELD AIRPORT, M29
CLIFTON, TENNESSEE

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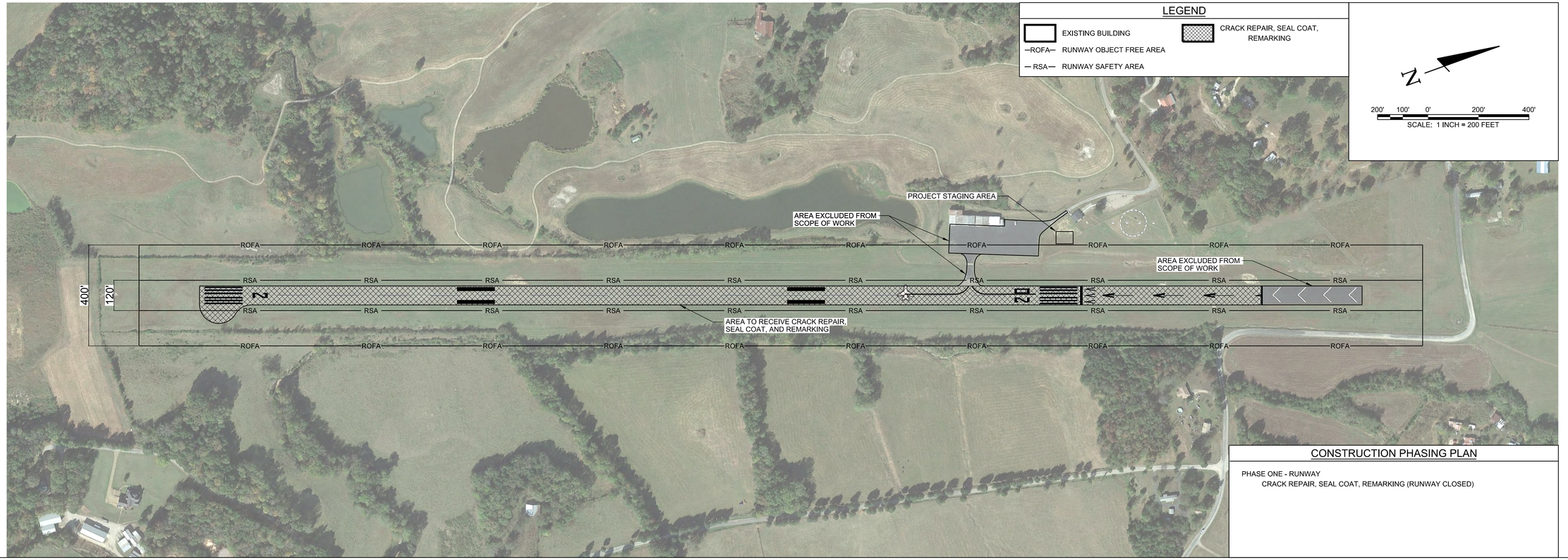
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CONSTRUCTION PHASING PLAN

PHASE ONE - RUNWAY
CRACK REPAIR, SEAL COAT, REMARKING (RUNWAY CLOSED)

SCHEDULE OF QUANTITIES

HASSELL FIELD AIRPORT, M29

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	16,500
P-101-5.3	AIRFIELD PAVEMENT MARKING REMOVAL	SF	39,200
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	36,200
P-620-5.1	TEMPORARY WHITE PAINT	SF	26,200
P-620-5.2	TEMPORARY YELLOW PAINT	SF	275
P-620-5.3	WHITE PAINT WITH REFLECTIVE MEDIA	SF	26,200
P-620-5.4	YELLOW PAINT WITH REFLECTIVE MEDIA	SF	275

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OVERALL SITE LAYOUT PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
HASSEL FIELD AIRPORT, M29
CLIFTON, TENNESSEE

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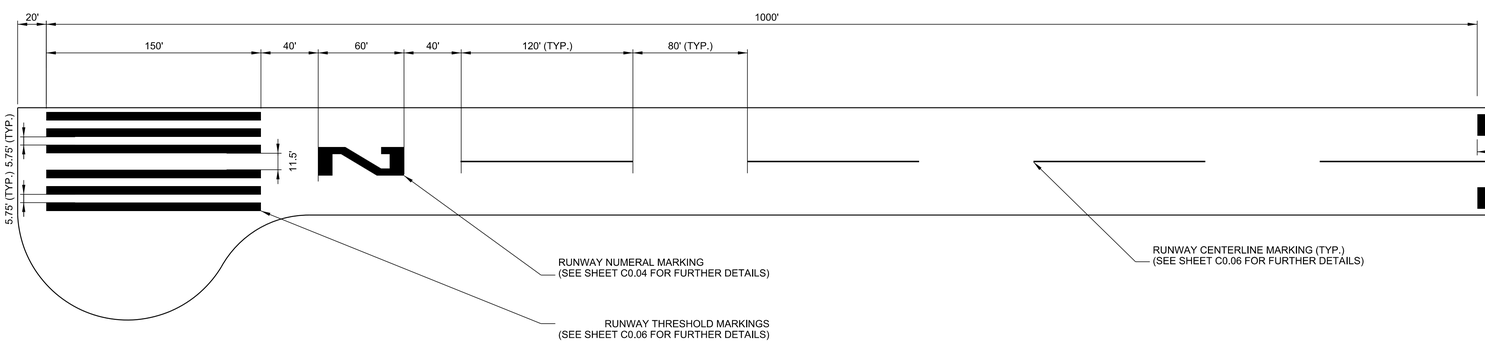
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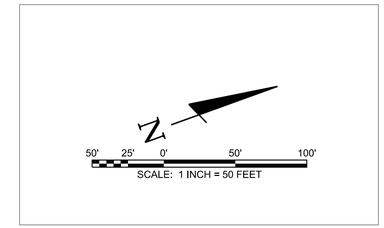
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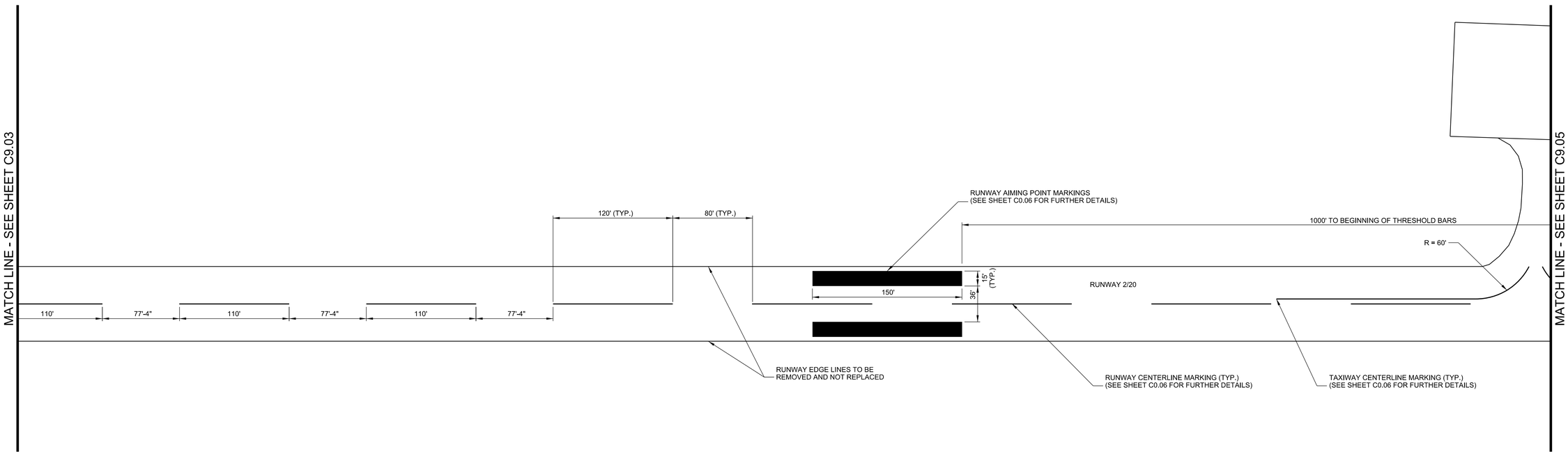
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50' 25' 0' 50' 100'

SCALE: 1 INCH = 50 FEET

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No. 121791
STATE OF TENNESSEE
5/22/19

AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
HASSEL FIELD AIRPORT, M29
CLIFTON, TENNESSEE

REV.	DR.	CHK.	DATE	REVISION INFORMATION DESCRIPTION
	JKB	JDG	04/26/2019	ISSUED FOR 90% REVIEW
	JAC	JDG	05/22/2019	ISSUED FOR BID

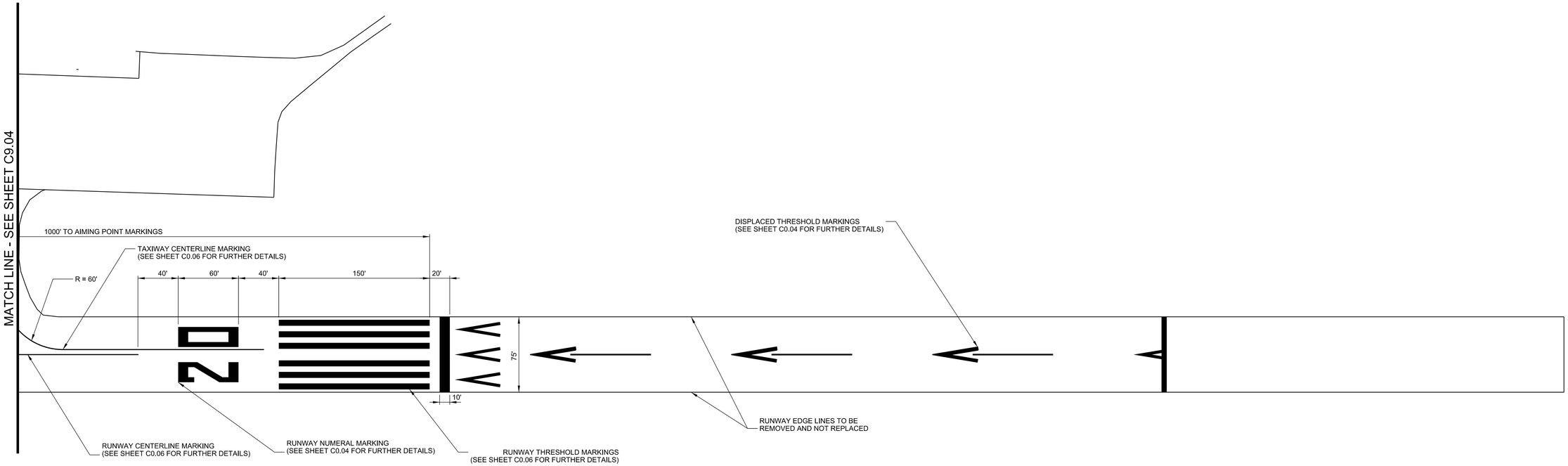
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50' 25' 0' 50' 100'

SCALE: 1 INCH = 50 FEET

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5/22/19

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HASSEL FIELD AIRPORT, M29
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CONSTRUCTION PHASING PLAN

PHASE ONE - RUNWAY AND TAXIWAY (10 CALENDAR DAYS)
CRACK REPAIR, SEAL COAT, REMARKING (RUNWAY CLOSED)

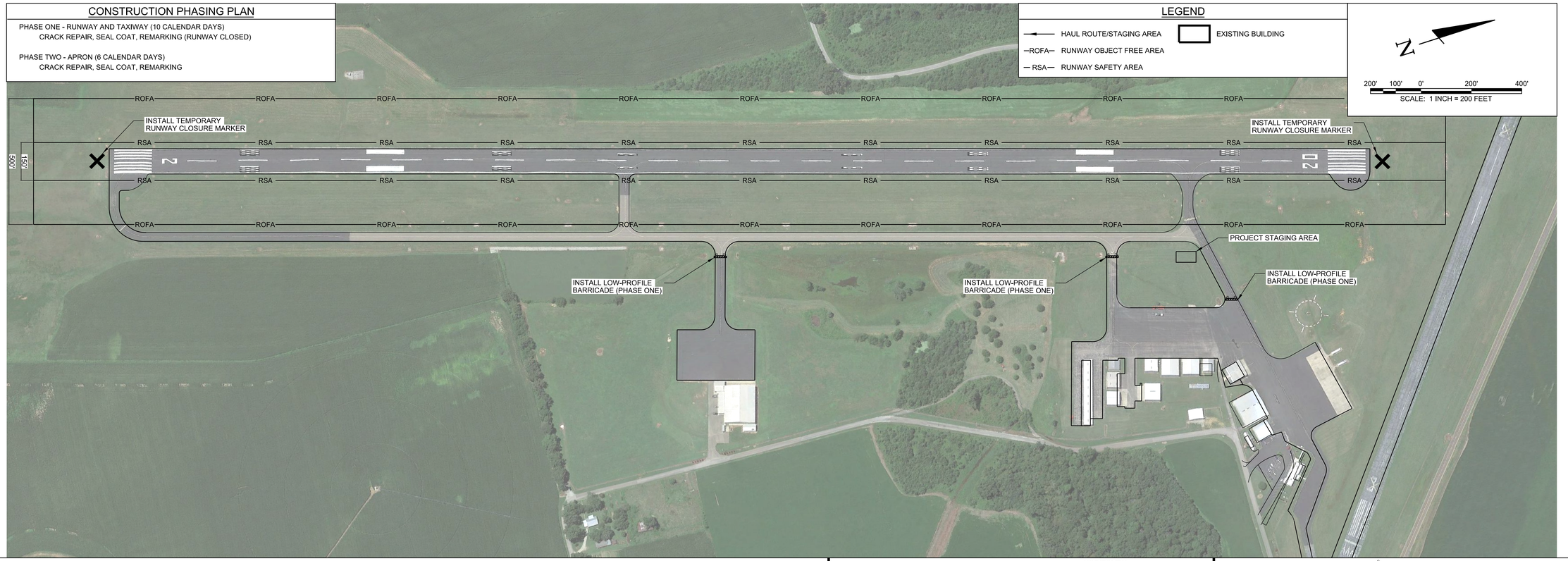
PHASE TWO - APRON (6 CALENDAR DAYS)
CRACK REPAIR, SEAL COAT, REMARKING

LEGEND

HAUL ROUTE/STAGING AREA
EXISTING BUILDING
ROFA RUNWAY OBJECT FREE AREA
RSA RUNWAY SAFETY AREA

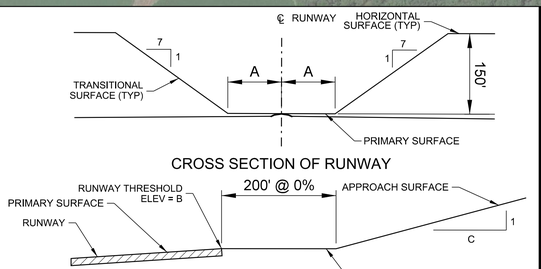
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200' 100' 0' 200' 400'
SCALE: 1 INCH = 200 FEET



CONSTRUCTION SAFETY NOTES

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER AND THE OWNER NOT LESS THAN TWO (2) DAYS PRIOR TO ENTERING THE CONSTRUCTION SITE FOR ANY PURPOSE SO THAT THEY MAY PUBLISH "NOTICES TO AIRMAN" OF THE CONSTRUCTION ACTIVITIES.
2. SUFFICIENT SWEEPERS AND CLEAN UP EQUIPMENT SHALL BE PROVIDED IN ORDER THAT ALL LOOSE MATERIAL, DEBRIS AND MUD CAN BE REMOVED FROM ALL AIRPORT OPERATIONS AREAS ON A CONTINUOUS BASIS.
3. NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR RADIOS, CONSTRUCTION OF AND MAINTENANCE OF HAUL ROUTES AND CONSTRUCTION ENTRANCE, ETC. AS INCLUDED IN THESE NOTES. ALL COSTS ASSOCIATED WITH THESE ITEMS MUST BE INCLUDED IN THE CONTRACT BID PRICES WHICH WOULD MOST LIKELY INCLUDE THEM.
4. THE CONTRACTOR AND PERSONNEL SHALL NOT, AT ANY TIME, BE ON THE RUNWAY OR TAXIWAYS UNLESS THE AIRPORT MANAGER GIVES PRIOR APPROVAL.
5. THE CONTRACTOR SHALL TAKE EXTREME CAUTION AROUND ALL EXISTING AIRPORT EQUIPMENT.
6. THE CONSTRUCTION ENTRANCE, STAGING AREA, EMPLOYEE PARKING, STOCKPILE AREA, WASTE AREA AND BORROW AREA SHALL BE COORDINATED WITH THE AIRPORT MANAGER.
7. THE CONTRACTOR SHALL HAVE A MAN ON 24-HOUR CALL FOR EMERGENCY MAINTENANCE OF AIRPORT HAZARD LIGHTING AND BARRICADES AND OTHER EMERGENCIES WHICH MAY ARISE AS A RESULT OF THIS WORK.
8. THE CONTRACTOR'S PERSONNEL AND EQUIPMENT SHALL NOT BE PERMITTED OUTSIDE THE CONSTRUCTION WORK LIMITS WITHOUT BEING ESCORTED BY THE OWNER APPROVED ESCORT.
9. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW THE SAFETY PROVISIONS INCORPORATED IN THE FOLLOWING FEDERAL AVIATION ADMINISTRATION (FAA) DOCUMENTS, WHICH ARE AVAILABLE FOR REVIEW BY DOWNLOADING THE DOCUMENTS ON-LINE AT HTTP://WWW.FAA.GOV:
   - 9.1 ADVISORY CIRCULAR NUMBER 150/5370-10H, "STANDARDS FOR SPECIFYING CONSTRUCTION OF AIRPORTS"
   - 9.2 ADVISORY CIRCULAR NUMBER 150/5370-2G, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION"
   - 9.3 ADVISORY CIRCULAR NUMBER 150/5210-5D, "PAINTING, MARKING, AND LIGHTING OF VEHICLES USED ON AN AIRPORT"
10. THE CONTRACTOR SHALL BE REQUIRED TO MINIMIZE DUST CREATED BY CONSTRUCTION ACTIVITIES USING WATER OR OTHER DEVICES. ANY COST ASSOCIATED WITH DUST CONTROL SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. IN THE EVENT DUST WHICH IS CREATED BY CONSTRUCTION ACTIVITIES BECOMES A HAZARD TO AIRFIELD OPERATIONS AND/OR AIRCRAFT NAVIGATION CONSTRUCTION ACTIVITES WILL BE SHUT DOWN. THIS SHUTDOWN TIME WILL NOT BE A BASIS FOR CLAIMS FOR ADDITIONAL CONTRACT TIME OR COMPENSATION.
11. AIRCRAFT OPERATIONS SHALL AT ALL TIMES HAVE PRIORITY OVER ALL VEHICLES, EQUIPMENT AND PERSONNEL. THE CONTRACTOR SHALL EMPLOY STRICT MEASURES TO PREVENT ANY CONFLICT BETWEEN HIS PERSONNEL AND AIRCRAFT ON ANY ACTIVE AIRFIELD PAVEMENT. THE CONTRACTOR SHALL REMAIN CLEAR OF ACTIVE RUNWAYS AND TAXIWAYS.
12. ALL CONTRACTOR VEHICLES, INCLUDING HAULING VEHICLES, THAT ARE AUTHORIZED TO OPERATE ON THE AIRPORT WITHIN THE DESIGNATED LIMITS OF CONSTRUCTION OR HAUL ROUTES AS DEFINED HEREIN, SHALL DISPLAY IN FULL VIEW ABOVE THE VEHICLE A 3'X3' OR LARGER ORANGE AND WHITE CHECKERBOARD FLAG. EACH CHECKERBOARD COLOR BEING 1' SQUARE. WHEN OPERATING DURING PERIODS OF DARKNESS OR LIMITED VISIBILITY, CONTRACTOR'S VEHICLE SHALL BE EQUIPPED WITH ROTATING OR FLASHING AMBER LIGHTS. DURING SUCH PERIODS, HAULING VEHICLES NOT SO EQUIPPED SHALL BE ESCORTED BY A VEHICLE SO EQUIPPED.
13. CONTRACTOR SHALL CONTROL THE ON-AIRPORT MOVEMENT AND ACTIVITIES OF ITS EMPLOYEES AND SUBCONTRACTORS.
14. OPEN-FLAME WELDING OR TORCH-CUTTING OPERATIONS ARE PROHIBITED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS HAVE BEEN APPROVED BY THE OWNER.
15. OPEN TRENCHES, EXCAVATIONS AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHALL BE PROMINENTLY MARKED WITH ORANGE FLAGS AND LIGHTED WITH FLASHING AMBER LIGHT UNITS (ACCEPTABLE TO THE OWNER) DURING HOURS OF RESTRICTED VISIBILITY OR DARKNESS.
16. STOCKPILED MATERIAL SHALL BE CONSTRAINED IN A MANNER TO PREVENT MOVEMENT AS A RESULT OF AIRCRAFT OR WIND.
17. ANY DAMAGE TO THE EXISTING AIRPORT LIGHTING SYSTEM CAUSED BY CONSTRUCTION OPERATIONS SHALL BE IMMEDIATELY NOTED TO THE OWNER AND REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE AND TO THE OWNER'S SPECIFICATIONS.
18. DEBRIS, WASTE AND LOOSE MATERIAL CAPABLE OF CAUSING DAMAGE TO AIRCRAFT LANDING GEAR, PROPELLERS AND ROTORS, OR OF BEING INGESTED BY JET ENGINES SHALL NOT BE LEFT ON ACTIVE AIRCRAFT MOVEMENT AREAS. MATERIAL DROPPED WITHIN THESE AREAS SHALL BE REMOVED CONTINUOUSLY DURING WORKING HOURS.
19. THE CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY REFLECTORIZED SIGNS TO CLEARLY MARK THE DESIGNATED ACCESS ROUTES TO AFFECTED AREAS OF AIRPORT PROPERTY. CONTRACTOR SHALL CONTROL ACCESS TO THE WORKING AREA BY CONSTRUCTION VEHICLES AS DELINEATED ON THIS PLAN.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMING ALL PERSONS UNDER THEIR CONTROL THAT UNAUTHORIZED CONSTRUCTION PERSONNEL FOUND IN RESTRICTED AREAS OF THE AIRPORT SHOWN ON THE SAFETY PLAN ARE SUBJECT TO ARREST FOR A PUNISHABLE FEDERAL OFFENSE AND WILL PROMPTLY AND PERMANENTLY BE REMOVED FROM THE JOB.
21. THE CONTRACTOR SHALL PROVIDE APPROVED FLAGMAN TO CONTROL ALL CONSTRUCTION TRAFFIC AND APPROVED GATE GUARD TO CONTROL ALL CONSTRUCTION TRAFFIC ENTERING PROJECT.
22. CONTRACTOR SHALL CONTROL AND ESCORT ALL CONSTRUCTION TRAFFIC ENTERING AIRPORT TO PREVENT CONFLICTS WITH AIRCRAFT OPERATIONS.
23. SPECIAL ACCESS REQUIREMENTS AND OPERATING LIMITATIONS ARE REQUIRED INSIDE THE SECURITY FENCE. THE CONTRACTOR SHALL DELINEATE WORK LIMITS WITHIN THESE AREAS USING STAKES WITH FLAGGING AS NOTED. CONFINE ALL CONTRACTOR'S PERSONNEL, EQUIPMENT AND MATERIALS INSIDE THE OWNER'S APPROVED WORK LIMITS.
24. THE CONTRACTOR SHALL PERFORM CONSTRUCTION OPERATIONS AS NECESSARY TO MINIMIZE ATTRACTION TO BIRDS CAUSED BY PONDED WATER AND GRASS SEED.
25. THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN FLASHING LIGHTS AND BARRICADES ALONG AIRCRAFT APRON EDGES OR WHERE TEMPORARY PAVEMENT CLOSURES OR AIRCRAFT LIMITATIONS ARE REQUIRED. BARRICADES SHALL BE SPACED NO MORE THAN 8 FEET ON CENTER OR AS NOTED ALONG THE AFFECTED PAVEMENT EDGE OR ACROSS THE PAVEMENT OF A CLOSED TAXIWAY. THE CONTRACTOR SHALL DAILY MAINTAIN THE LIGHTS AND BARRICADES IN AN OPERABLE CONDITION FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL FURNISH THE OWNER A CONTACT NUMBER FOR 24-HOUR MAINTENANCE OF LIGHTS AND BARRICADES. THE COST FOR BARRICADES AND LIGHTS SHALL BE INCIDENTAL TO THE PROJECT.
26. NO CONSTRUCTION TRAFFIC SHALL ENTER OR CROSS ANY ACTIVE AIRPORT OPERATIONAL AREA EXCEPT UPON AUTHORIZATION BY THE OWNER.
27. REFER TO THE GENERAL NOTES FOR REQUIREMENTS PERTAINING TO STORAGE OF CONSTRUCTION EQUIPMENT AND MATERIALS WHEN NOT IN USE.
28. THE CONTRACTOR SHALL COMPLY WITH ALL SECURITY REQUIREMENTS SPECIFIED HEREIN. THE CONTRACTOR SHALL DESIGNATE IN WRITING TO THE OWNER THE NAME OF ITS "CONTRACTOR SECURITY OFFICER". THE CONTRACTOR SECURITY OFFICER SHALL REPRESENT THE CONTRACTOR ON THE SECURITY REQUIREMENTS OF THE CONTRACT.
29. THE CONTRACTOR'S SECURITY OFFICER SHALL BE RESPONSIBLE FOR BRIEFING ALL CONTRACTOR PERSONNEL ON THESE REQUIREMENTS. CONTRACTOR EMPLOYEES SHALL ATTEND THE OWNER'S SECURITY TRAINING SESSION AND SHALL BE BRIEFED ON THESE REQUIREMENTS PRIOR TO WORKING IN THE CONSTRUCTION AREAS.
30. THE CONTRACTOR SHALL ACQUAINT THEIR SUPERVISORS AND EMPLOYEES WITH THE AIRPORT ACTIVITIES AND OPERATIONS THAT ARE INHERENT AT THIS AIRPORT AND SHALL CONDUCT THEIR CONSTRUCTION ACTIVITIES TO CONFORM TO ALL ROUTINE AND EMERGENCY AIR TRAFFIC REQUIREMENTS AND TO THE GUIDELINES ON SAFETY.
31. CONTRACTOR TO FIELD VERIFY AND PROTECT ALL EXISTING UTILITIES BEFORE CONSTRUCTION WORK BEGINS.
32. ALL LOCATIONS USED FOR HAUL ROUTES, STAGING AREAS, EMPLOYEE PARKING AND MATERIAL STORAGE SHALL BE CLEANED UP WHEN ALL CONSTRUCTION IS COMPLETED.
33. ALL FOREMAN'S SUPERINTENDANT'S VEHICLES SHALL CONTAIN RADIOS CAPABLE OF TRANSMITTING AND RECEIVING THE UNICOM FREQUENCY OF 123.0. NORMAL RADIO COMMUNICATIONS BETWEEN CONTRACTOR PERSONNEL WILL NOT BE ALLOWED ON THE UNICOM FREQUENCY OF 123.0 OR ANY OTHER FAA FREQUENCY. THE CONTRACTOR IS REQUIRED TO MONITOR THE AIRPORT FREQUENCY WHENEVER THEIR FORCES ARE ON AIRPORT PROPERTY, WHETHER OR NOT THE RUNWAY IS OPEN OR CLOSED.
34. THE CONTRACTOR IS ENCOURAGED TO DOCUMENT VIA PICTURES AND/OR VIDEO THE PRE-CONSTRUCTION CONDITION OF ALL PAVEMENTS AND STRUCTURES, ANY DAMAGE NOTICED AFTER THE CONTRACTOR'S MOBILIZATION WILL BE ASSUMED TO BE CAUSED BY THE CONTRACTOR AND SHALL BE FULLY REPAIRED AT THE CONTRACTOR'S EXPENSE.
35. NO EQUIPMENT WILL BE ALLOWED WITHIN 150' OF THE PRIMARY RUNWAY 2-20 CENTERLINE. NO EQUIPMENT WILL BE PARKED OR STORED WITHIN 500' OF THE PRIMARY RUNWAY 2-20 CENTERLINE.
36. NO EQUIPMENT WILL BE ALLOWED WITHIN 39.5' OF THE TAXIWAY'S CENTERLINE. NO EQUIPMENT WILL BE PARKED OR STORED WITHIN 65.5' OF TAXIWAY ALPHA'S CENTERLINE.
37. THE EXISTING AIRPORT PAVEMENTS ARE DESIGNED FOR AIRCRAFT TRAFFIC ONLY, AND MAY NOT SUPPORT LOADED TRUCK OR HEAVY EQUIPMENT. ANY DAMAGE RESULTING FROM THE CONTRACTOR'S ACTIONS WILL BE IMMEDIATELY REPAIRED TO FAA STANDARDS AT THE CONTRACTOR'S EXPENSE.



CROSS SECTION OF RUNWAY

PROFILE

RUNWAY END	A	B	C
2	75'	580.2'	34
20	75'	568.0'	34

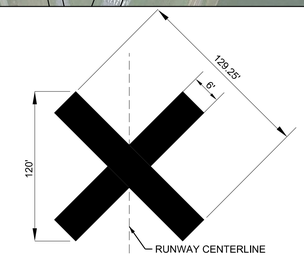
FAR PART 77 SURFACES
DRAWING NOT TO SCALE

NOTE:
THE PART 77 SECTION VIEW IS CENTERED ON THE RUNWAY CENTERLINE AT THE CENTERLINE ELEVATION, AND ON THE EXTENDED RUNWAY CENTERLINE AT THE RUNWAY THRESHOLD ELEVATION TO A POINT 200 FEET BEYOND EACH THRESHOLD. THE SECTION THEN RISES ALONG THE SLOPE INDICATED ON THE PROFILE VIEW.

PAVEMENT	SAFETY AREA WIDTH*
R/W 2-20	150'

*ALL DISTANCES ARE CENTERED ABOUT THE CENTERLINE OF THE AREA LISTED.

SAFETY AREA DIMENSIONS



NOTES:
1. CONTRACTOR SHALL BE REQURIED TO PROVIDE AND MAINTAIN TEMPORARY RUNWAY CLOSURE MARKERS.
2. THE TEMPORARY CLOSED RUNWAY MARKINGS SHALL BE AVIATION YELLOW AND MAY BE CONSTRUCTED OF MATERIAL SUCH AS FABRIC OR PLYWOOD.
3. PLACE MARKINGS AS SHOWN ON THIS SHEET. THE LOCATION OF THE TEMPORARY CLOSED RUNWAY MARKERS SHALL BE PLACED ON THE RUNWAY CENTERLINE.
4. FOR RUNWAYS THAT HAVE BEEN TEMPORARILY CLOSED, PLACE MARKER AT EACH END OF THE RUNWAY DIRECTLY ON OR AS NEAR AS PRACTICABLE TO THE RUNWAY DESIGNATION NUMBERS.
5. FOR A MULTIPLE RUNWAY ENVIRONMENT, IF THE CLOSURE MARKER ON A DESIGNATED NUMBER WILL BE LOCATED IN THE RSA OF AN ADJACENT ACTIVE RUNWAY, LOCATE THE MARKER FARTHER DOWN THE CLOSED RUNWAY TO CLEAR THE RSA OF THE ACTIVE RUNWAY.

1 / C10.01 RUNWAY CLOSURE MARKER
SCALE: N.T.S.

AIRPORT CONTACT INFORMATION:
DON DAVENPORT
1949 DIGGS ROAD, PARIS, TN 38242
(731) 644-7933

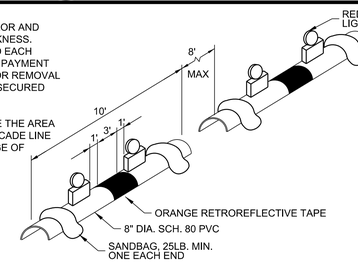
LOCAL EMERGENCY PHONE NUMBERS:
EMERGENCY:
911

PARIS POLICE DEPARTMENT:
(731) 642-2424

PARIS FIRE DEPARTMENT:
(731) 642-1413

LIQUIDATED DAMAGES:
$1,000 PER CALENDAR DAY

NOTES:
1. CAUTION LIGHTS TO BE RED IN COLOR AND FLASHING DURING HOURS OF DARKNESS. UNITS TO BE PLACED ADJACENT TO EACH OTHER. THERE WILL BE NO DIRECT PAYMENT FOR FURNISHING, MAINTENANCE, OR REMOVAL OF THIS BARRIER. UNITS MUST BE SECURED TO PVC.
2. ALL BARRICADES SHALL DELINEATE THE AREA TO BE PROTECTED AND THE BARRICADE LINE SHALL EXTEND TO 10' OFF THE EDGE OF EITHER SIDE OF ANY PAVEMENT.



2 / C10.01 AIRFIELD BARRICADE DETAIL
SCALE: N.T.S.

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STATE OF TENNESSEE
5/22/19

CONSTRUCTION SAFETY & PHASING PLAN (CSPP)

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
HENRY COUNTY AIRPORT, PHT
PARIS, TENNESSEE

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CONSTRUCTION PHASING PLAN

PHASE ONE - RUNWAY AND TAXIWAY
CRACK REPAIR, SEAL COAT, REMARKING (RUNWAY CLOSED)

PHASE TWO - APRON
CRACK REPAIR, SEAL COAT, REMARKING

LEGEND

EXISTING BUILDING

CRACK REPAIR, SEAL COAT, REMARKING

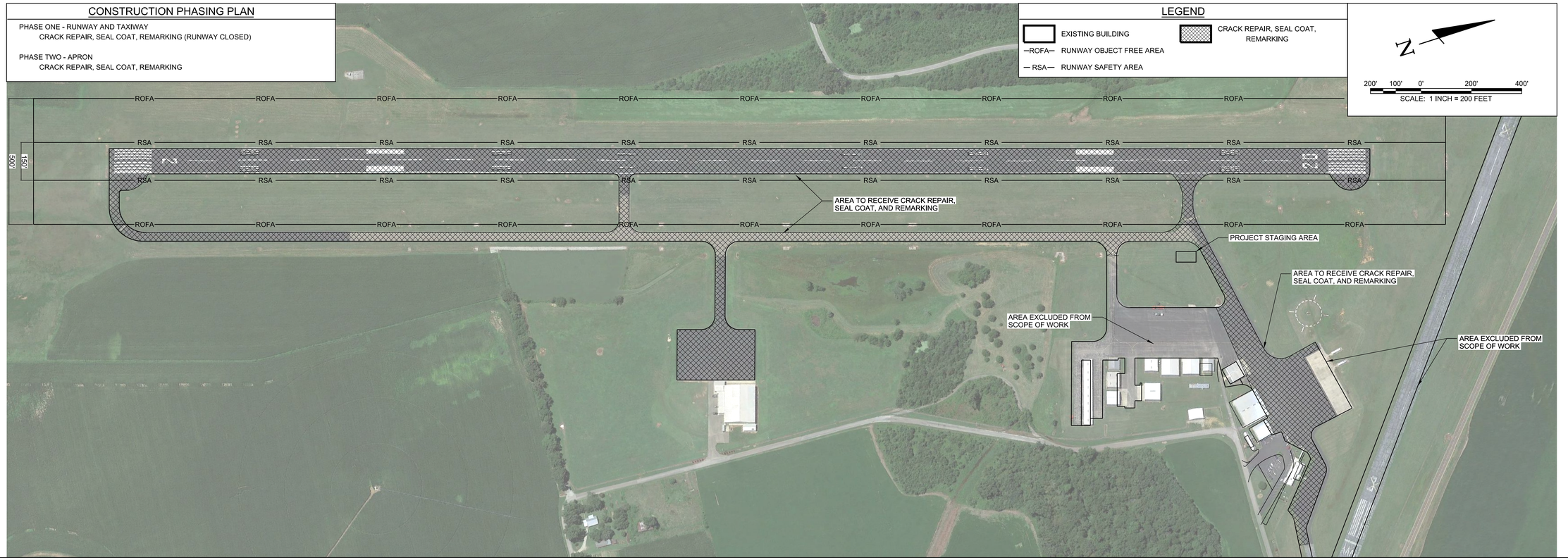
ROFA RUNWAY OBJECT FREE AREA

RSA RUNWAY SAFETY AREA

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200' 100' 0' 200' 400'

SCALE: 1 INCH = 200 FEET



SCHEDULE OF QUANTITIES

HENRY COUNTY AIRPORT, PHT

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	13,700
P-101-5.3	AIRFIELD PAVEMENT MARKING REMOVAL	SF	55,800
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	103,400
P-620-5.1	TEMPORARY WHITE PAINT	SF	36,250
P-620-5.2	TEMPORARY YELLOW PAINT	SF	4,800
P-620-5.3	WHITE PAINT WITH REFLECTIVE MEDIA	SF	36,250
P-620-5.4	YELLOW PAINT WITH REFLECTIVE MEDIA	SF	4,800

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OVERALL SITE LAYOUT PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
HENRY COUNTY AIRPORT, PHT
PARIS, TENNESSEE

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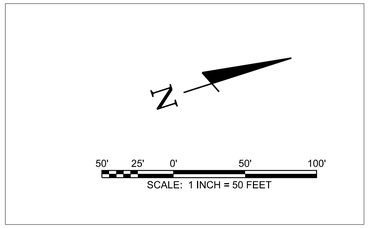
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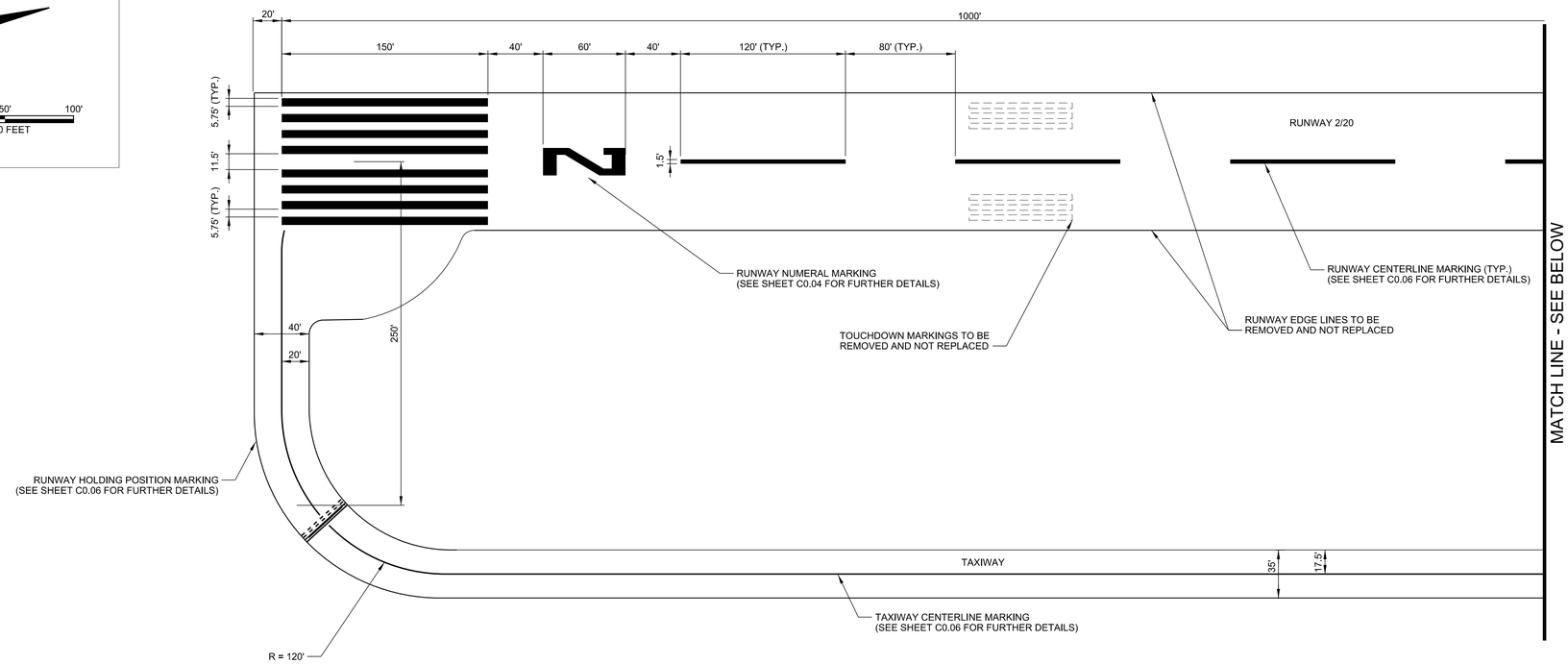
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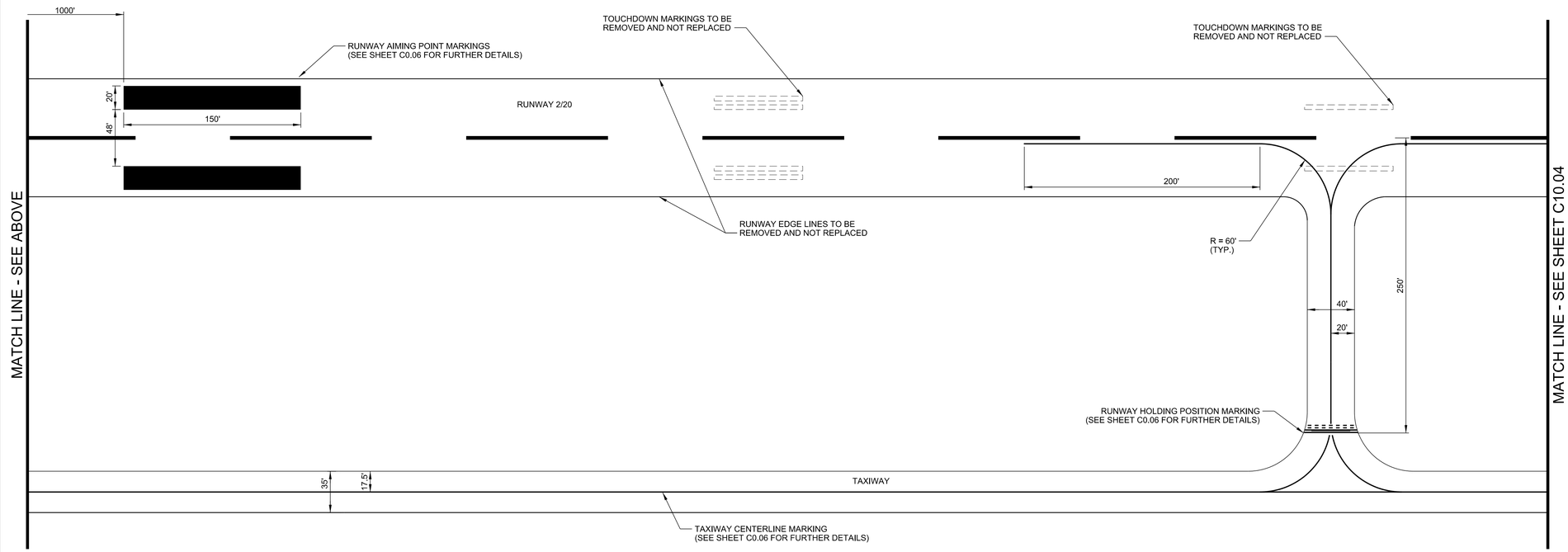
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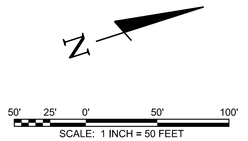
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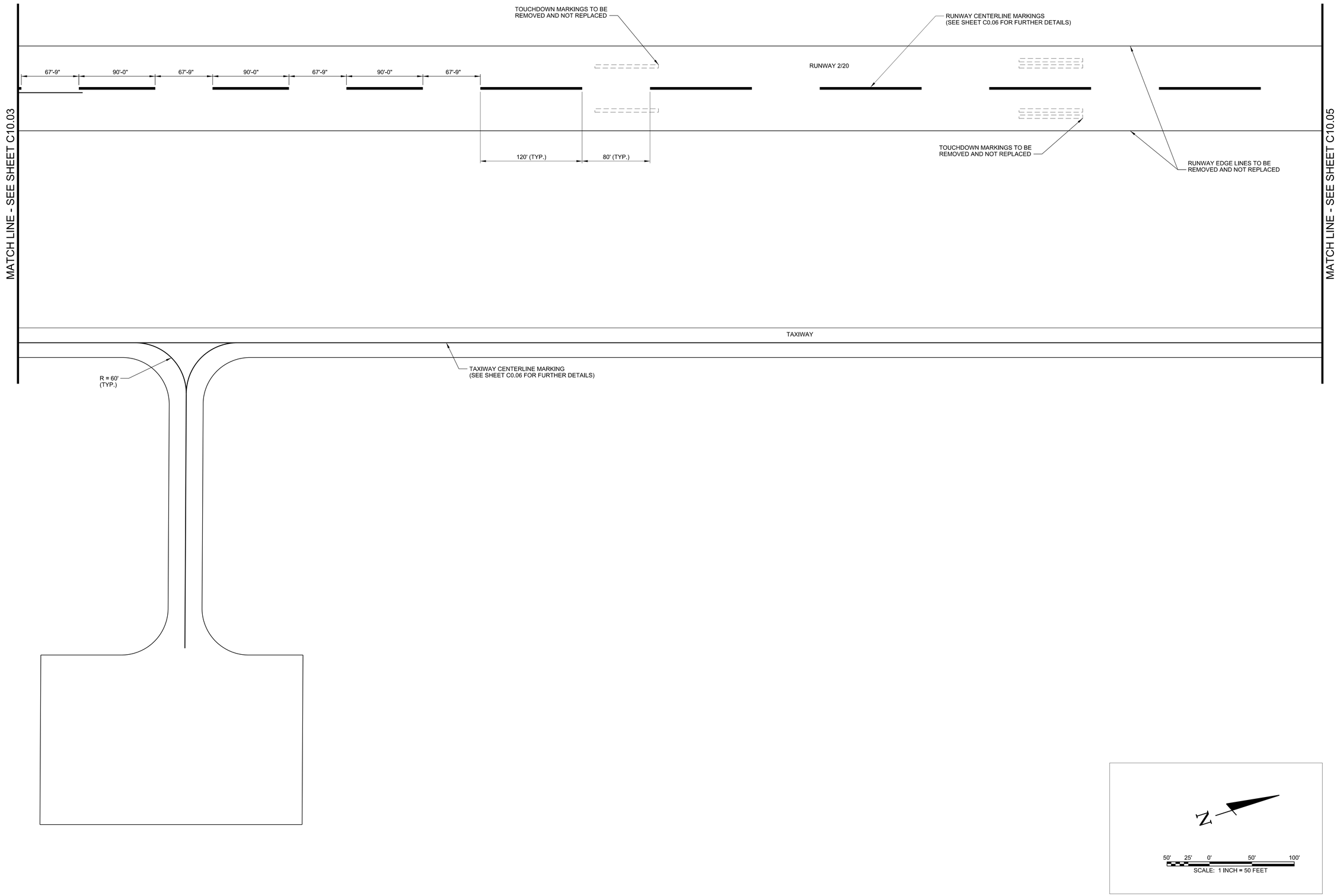
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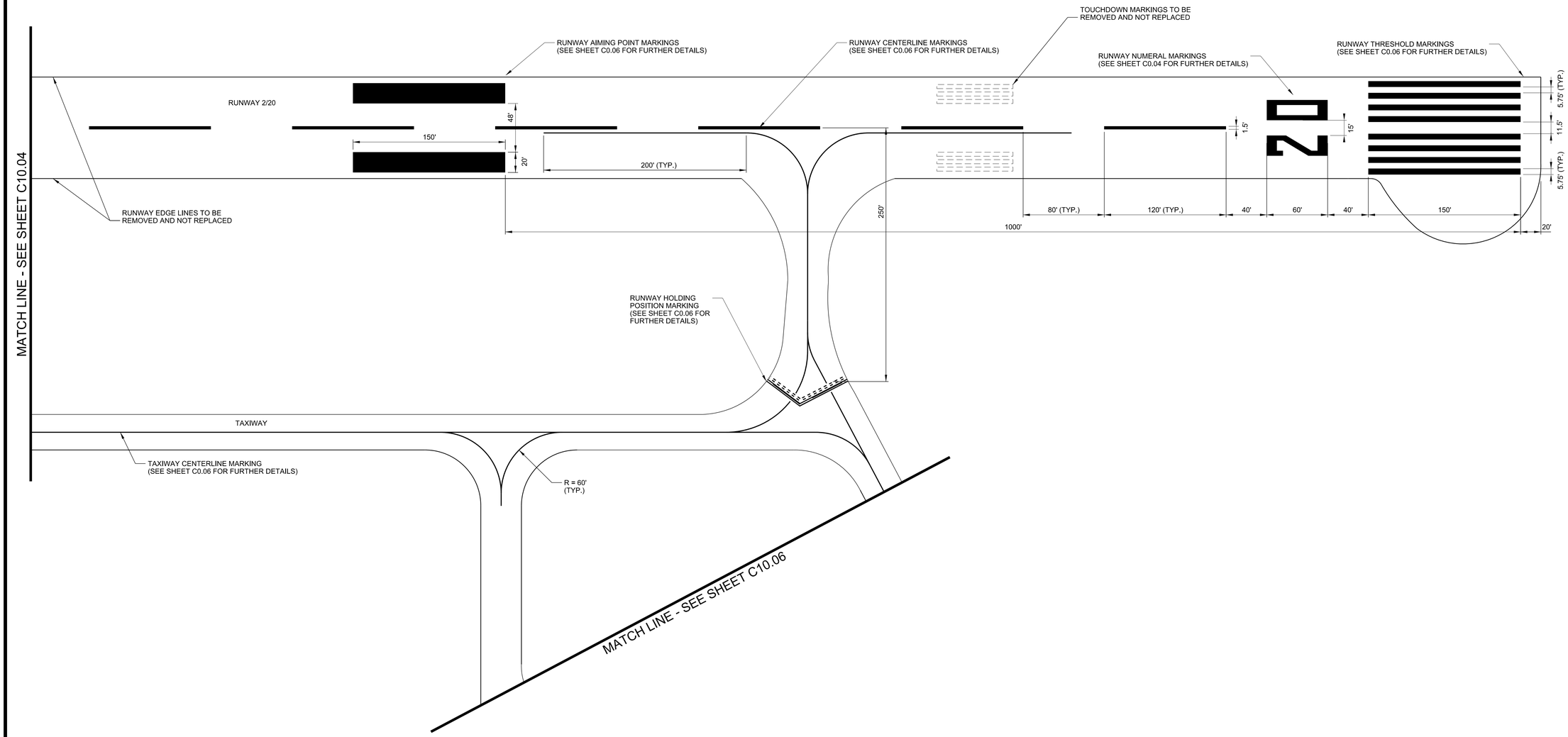
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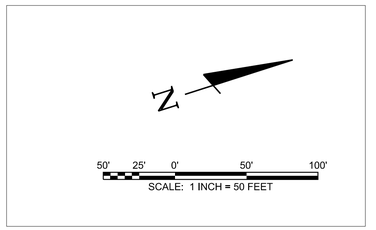
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AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
HENRY COUNTY AIRPORT, PHT
PARIS, TENNESSEE

REV.	DR.	CHK.	DATE	REVISION INFORMATION DESCRIPTION
	JKB	JDG	04/26/2019	ISSUED FOR 90% REVIEW
	JAC	JDG	05/22/2019	ISSUED FOR BID

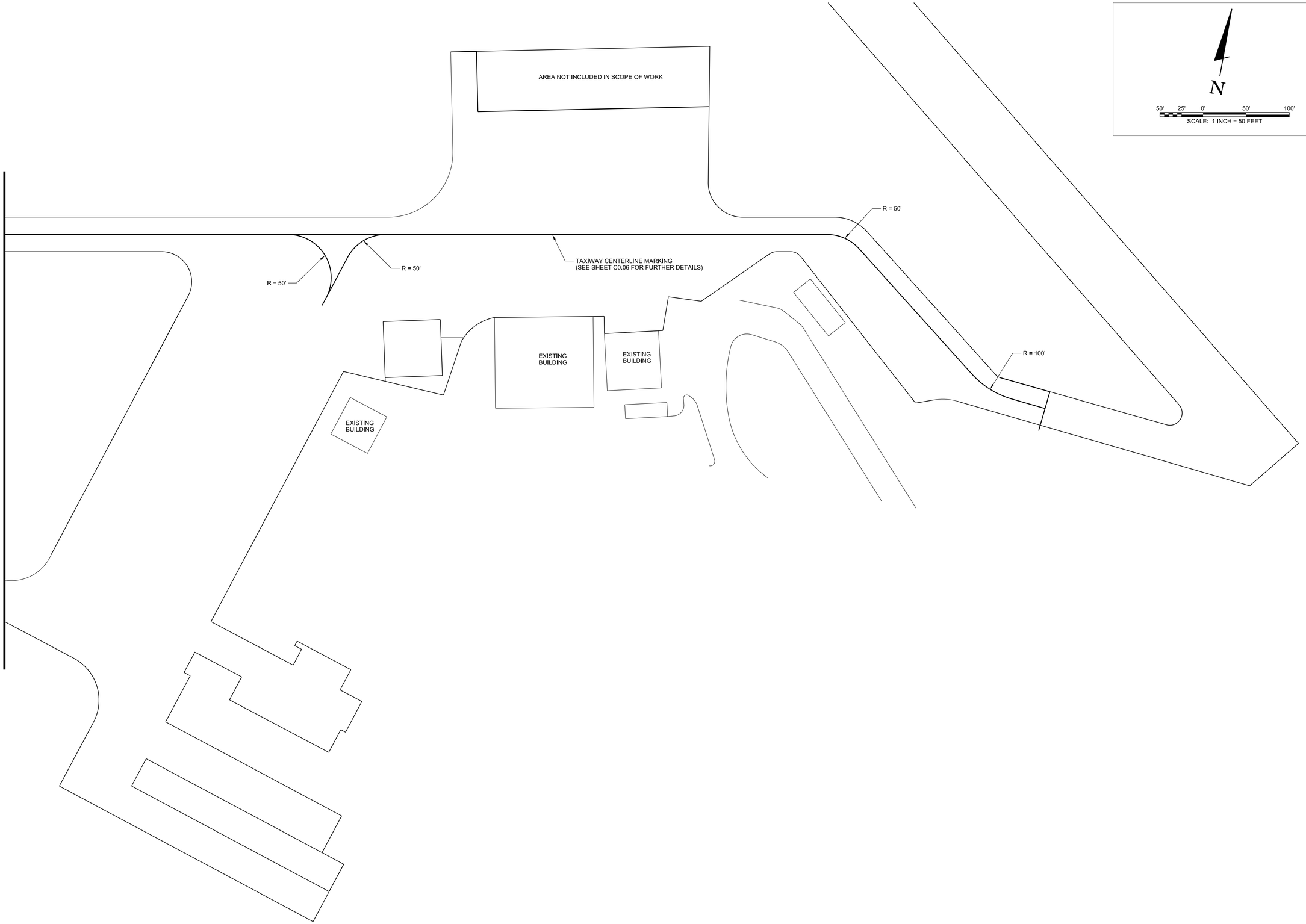
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BARGE DESIGN SOLUTIONS
615 3rd Avenue South // Suite 700 // Nashville, Tennessee 37210
PHONE (615) 254-1500 // FAX (615) 255-6572

JEREMY O. REEN — REGISTERED ENGINEER — No. 121391 — STATE OF TENNESSEE
5/22/19

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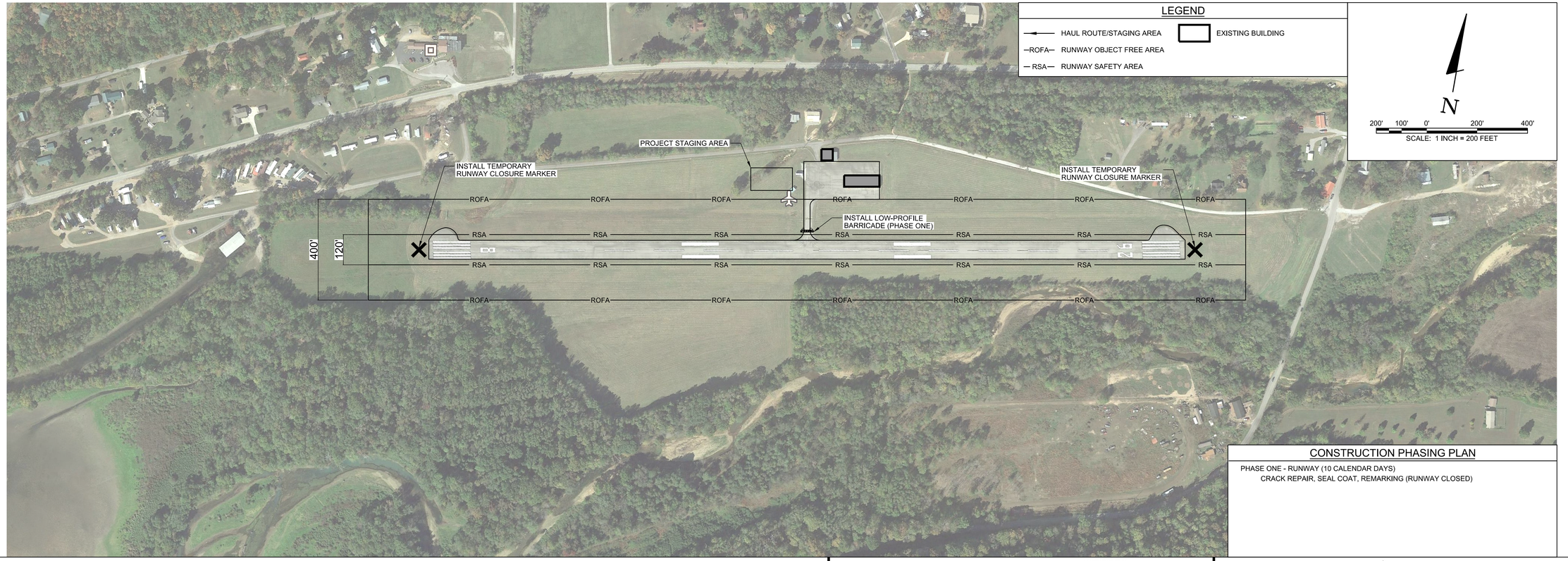
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LEGEND

- HAUL ROUTE/STAGING AREA
- EXISTING BUILDING
- ROFA — RUNWAY OBJECT FREE AREA
- RSA — RUNWAY SAFETY AREA

N

200' 100' 0' 200' 400'

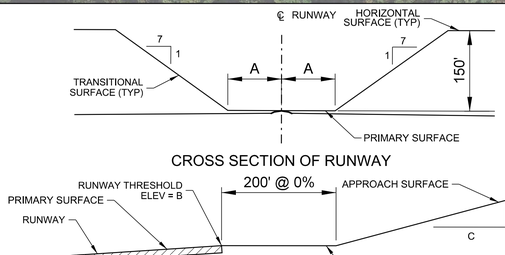
SCALE: 1 INCH = 200 FEET

CONSTRUCTION PHASING PLAN

PHASE ONE - RUNWAY (10 CALENDAR DAYS)
CRACK REPAIR, SEAL COAT, REMARKING (RUNWAY CLOSED)

CONSTRUCTION SAFETY NOTES

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER AND THE OWNER NOT LESS THAN TWO (2) DAYS PRIOR TO ENTERING THE CONSTRUCTION SITE FOR ANY PURPOSE SO THAT THEY MAY PUBLISH "NOTICES TO AIRMAN" OF THE CONSTRUCTION ACTIVITIES.
2. SUFFICIENT SWEEPERS AND CLEAN UP EQUIPMENT SHALL BE PROVIDED IN ORDER THAT ALL LOOSE MATERIAL, DEBRIS AND MUD CAN BE REMOVED FROM ALL AIRPORT OPERATIONS AREAS ON A CONTINUOUS BASIS.
3. NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR RADIOS, CONSTRUCTION OF AND MAINTENANCE OF HAUL ROUTES AND CONSTRUCTION ENTRANCE, ETC. AS INCLUDED IN THESE NOTES. ALL COSTS ASSOCIATED WITH THESE ITEMS MUST BE INCLUDED IN THE CONTRACT BID PRICES WHICH WOULD MOST LIKELY INCLUDE THEM.
4. THE CONTRACTOR AND PERSONNEL SHALL NOT, AT ANY TIME, BE ON THE RUNWAY OR TAXIWAYS UNLESS THE AIRPORT MANAGER GIVES PRIOR APPROVAL.
5. THE CONTRACTOR SHALL TAKE EXTREME CAUTION AROUND ALL EXISTING AIRPORT EQUIPMENT.
6. THE CONSTRUCTION ENTRANCE, STAGING AREA, EMPLOYEE PARKING, STOCKPILE AREA, WASTE AREA AND BORROW AREA SHALL BE COORDINATED WITH THE AIRPORT MANAGER.
7. THE CONTRACTOR SHALL HAVE A MAN ON 24-HOUR CALL FOR EMERGENCY MAINTENANCE OF AIRPORT HAZARD LIGHTING AND BARRICADES AND OTHER EMERGENCIES WHICH MAY ARISE AS A RESULT OF THIS WORK.
8. THE CONTRACTOR'S PERSONNEL AND EQUIPMENT SHALL NOT BE PERMITTED OUTSIDE THE CONSTRUCTION WORK LIMITS WITHOUT BEING ESCORTED BY THE OWNER APPROVED ESCORT.
9. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW THE SAFETY PROVISIONS INCORPORATED IN THE FOLLOWING FEDERAL AVIATION ADMINISTRATION (FAA) DOCUMENTS, WHICH ARE AVAILABLE FOR REVIEW BY DOWNLOADING THE DOCUMENTS ON-LINE AT HTTP://WWW.FAA.GOV:
   - 9.1 ADVISORY CIRCULAR NUMBER 150/5370-10H, "STANDARDS FOR SPECIFYING CONSTRUCTION OF AIRPORTS"
   - 9.2 ADVISORY CIRCULAR NUMBER 150/5370-2G, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION"
   - 9.3 ADVISORY CIRCULAR NUMBER 150/5210-5D, "PAINTING, MARKING, AND LIGHTING OF VEHICLES USED ON AN AIRPORT"
10. THE CONTRACTOR SHALL BE REQUIRED TO MINIMIZE DUST CREATED BY CONSTRUCTION ACTIVITIES USING WATER OR OTHER DEVICES. ANY COST ASSOCIATED WITH DUST CONTROL SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. IN THE EVENT DUST WHICH IS CREATED BY CONSTRUCTION ACTIVITIES BECOMES A HAZARD TO AIRFIELD OPERATIONS AND/OR AIRCRAFT NAVIGATION CONSTRUCTION ACTIVITES WILL BE SHUT DOWN. THIS SHUTDOWN TIME WILL NOT BE A BASIS FOR CLAIMS FOR ADDITIONAL CONTRACT TIME OR COMPENSATION.
11. AIRCRAFT OPERATIONS SHALL AT ALL TIMES HAVE PRIORITY OVER ALL VEHICLES, EQUIPMENT AND PERSONNEL. THE CONTRACTOR SHALL EMPLOY STRICT MEASURES TO PREVENT ANY CONFLICT BETWEEN HIS PERSONNEL AND AIRCRAFT ON ANY ACTIVE AIRFIELD PAVEMENT. THE CONTRACTOR SHALL REMAIN CLEAR OF ACTIVE RUNWAYS AND TAXIWAYS.
12. ALL CONTRACTOR VEHICLES, INCLUDING HAULING VEHICLES, THAT ARE AUTHORIZED TO OPERATE ON THE AIRPORT WITHIN THE DESIGNATED LIMITS OF CONSTRUCTION OR HAUL ROUTES AS DEFINED HEREIN, SHALL DISPLAY IN FULL VIEW ABOVE THE VEHICLE A 3'X3' OR LARGER ORANGE AND WHITE CHECKERBOARD FLAG, EACH CHECKERBOARD COLOR BEING 1' SQUARE, WHEN OPERATING DURING PERIODS OF DARKNESS OR LIMITED VISIBILITY. CONTRACTOR'S VEHICLE SHALL BE EQUIPPED WITH ROTATING OR FLASHING AMBER LIGHTS. DURING SUCH PERIODS, HAULING VEHICLES NOT SO EQUIPPED SHALL BE ESCORTED BY A VEHICLE SO EQUIPPED.
13. CONTRACTOR SHALL CONTROL THE ON-AIRPORT MOVEMENT AND ACTIVITIES OF ITS EMPLOYEES AND SUBCONTRACTORS.
14. OPEN-FLAME WELDING OR TORCH-CUTTING OPERATIONS ARE PROHIBITED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS HAVE BEEN APPROVED BY THE OWNER.
15. OPEN TRENCHES, EXCAVATIONS AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHALL BE PROMINENTLY MARKED WITH ORANGE FLAGS AND LIGHTED WITH FLASHING AMBER LIGHT UNITS (ACCEPTABLE TO THE OWNER) DURING HOURS OF RESTRICTED VISIBILITY OR DARKNESS.
16. STOCKPILED MATERIAL SHALL BE CONSTRAINED IN A MANNER TO PREVENT MOVEMENT AS A RESULT OF AIRCRAFT OR WIND.
17. ANY DAMAGE TO THE EXISTING AIRPORT LIGHTING SYSTEM CAUSED BY CONSTRUCTION OPERATIONS SHALL BE IMMEDIATELY NOTED TO THE OWNER AND REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE AND TO THE OWNER'S SPECIFICATIONS.
18. DEBRIS, WASTE AND LOOSE MATERIAL CAPABLE OF CAUSING DAMAGE TO AIRCRAFT LANDING GEAR, PROPELLERS AND ROTORS, OR OF BEING INGESTED BY JET ENGINES SHALL NOT BE LEFT ON ACTIVE AIRCRAFT MOVEMENT AREAS. MATERIAL DROPPED WITHIN THESE AREAS SHALL BE REMOVED CONTINUOUSLY DURING WORKING HOURS.
19. THE CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY REFLECTORIZED SIGNS TO CLEARLY MARK THE DESIGNATED ACCESS ROUTES TO AFFECTED AREAS OF AIRPORT PROPERTY. CONTRACTOR SHALL CONTROL ACCESS TO THE WORKING AREA BY CONSTRUCTION VEHICLES AS DELINEATED ON THIS PLAN.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMING ALL PERSONS UNDER THEIR CONTROL THAT UNAUTHORIZED CONSTRUCTION PERSONNEL FOUND IN RESTRICTED AREAS OF THE AIRPORT SHOWN ON THE SAFETY PLAN ARE SUBJECT TO ARREST FOR A PUNISHABLE FEDERAL OFFENSE AND WILL PROMPTLY AND PERMANENTLY BE REMOVED FROM THE JOB.
21. THE CONTRACTOR SHALL PROVIDE APPROVED FLAGMAN TO CONTROL ALL CONSTRUCTION TRAFFIC AND APPROVED GATE GUARD TO CONTROL ALL CONSTRUCTION TRAFFIC ENTERING PROJECT.
22. CONTRACTOR SHALL CONTROL AND ESCORT ALL CONSTRUCTION TRAFFIC ENTERING AIRPORT TO PREVENT CONFLICTS WITH AIRCRAFT OPERATIONS.
23. SPECIAL ACCESS REQUIREMENTS AND OPERATING LIMITATIONS ARE REQUIRED INSIDE THE SECURITY FENCE. THE CONTRACTOR SHALL DELINEATE WORK LIMITS WITHIN THESE AREAS USING STAKES WITH FLAGGING AS NOTED. CONFINE ALL CONTRACTOR'S PERSONNEL, EQUIPMENT AND MATERIALS INSIDE THE OWNER'S APPROVED WORK LIMITS.
24. THE CONTRACTOR SHALL PERFORM CONSTRUCTION OPERATIONS AS NECESSARY TO MINIMIZE ATTRACTION TO BIRDS CAUSED BY PONDED WATER AND GRASS SEED.
25. THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN FLASHING LIGHTS AND BARRICADES ALONG AIRCRAFT APRON EDGES OR WHERE TEMPORARY PAVEMENT CLOSURES OR AIRCRAFT LIMITATIONS ARE REQUIRED. BARRICADES SHALL BE SPACED NO MORE THAN 8 FEET ON CENTER OR AS NOTED ALONG THE AFFECTED PAVEMENT EDGE OR ACROSS THE PAVEMENT OF A CLOSED TAXIWAY. THE CONTRACTOR SHALL DAILY MAINTAIN THE LIGHTS AND BARRICADES IN AN OPERABLE CONDITION FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL FURNISH THE OWNER A CONTACT NUMBER FOR 24-HOUR MAINTENANCE OF LIGHTS AND BARRICADES. THE COST FOR BARRICADES AND LIGHTS SHALL BE INCIDENTAL TO THE PROJECT.
26. NO CONSTRUCTION TRAFFIC SHALL ENTER OR CROSS ANY ACTIVE AIRPORT OPERATIONAL AREA EXCEPT UPON AUTHORIZATION BY THE OWNER.
27. REFER TO THE GENERAL NOTES FOR REQUIREMENTS PERTAINING TO STORAGE OF CONSTRUCTION EQUIPMENT AND MATERIALS WHEN NOT IN USE.
28. THE CONTRACTOR SHALL COMPLY WITH ALL SECURITY REQUIREMENTS SPECIFIED HEREIN. THE CONTRACTOR SHALL DESIGNATE IN WRITING TO THE OWNER THE NAME OF ITS "CONTRACTOR SECURITY OFFICER". THE CONTRACTOR SECURITY OFFICER SHALL REPRESENT THE CONTRACTOR ON THE SECURITY REQUIREMENTS OF THE CONTRACT.
29. THE CONTRACTOR'S SECURITY OFFICER SHALL BE RESPONSIBLE FOR BRIEFING ALL CONTRACTOR PERSONNEL ON THESE REQUIREMENTS. CONTRACTOR EMPLOYEES SHALL ATTEND THE OWNER'S SECURITY TRAINING SESSION AND SHALL BE BRIEFED ON THESE REQUIREMENTS PRIOR TO WORKING IN THE CONSTRUCTION AREAS.
30. THE CONTRACTOR SHALL ACQUAINT THEIR SUPERVISORS AND EMPLOYEES WITH THE AIRPORT ACTIVITIES AND OPERATIONS THAT ARE INHERENT AT THIS AIRPORT AND SHALL CONDUCT THEIR CONSTRUCTION ACTIVITIES TO CONFORM TO ALL ROUTINE AND EMERGENCY AIR TRAFFIC REQUIREMENTS AND TO THE GUIDELINES ON SAFETY.
31. CONTRACTOR TO FIELD VERIFY AND PROTECT ALL EXISTING UTILITIES BEFORE CONSTRUCTION WORK BEGINS.
32. ALL LOCATIONS USED FOR HAUL ROUTES, STAGING AREAS, EMPLOYEE PARKING AND MATERIAL STORAGE SHALL BE CLEANED UP WHEN ALL CONSTRUCTION IS COMPLETED.
33. ALL FOREMAN'S SUPERINTENDANT'S VEHICLES SHALL CONTAIN RADIOS CAPABLE OF TRANSMITTING AND RECEIVING THE UNICOM FREQUENCY OF 122.9. NORMAL RADIO COMMUNICATIONS BETWEEN CONTRACTOR PERSONNEL WILL NOT BE ALLOWED ON THE UNICOM FREQUENCY OF 122.9 OR ANY OTHER FAA FREQUENCY. THE CONTRACTOR IS REQUIRED TO MONITOR THE AIRPORT FREQUENCY WHENEVER THEIR FORCES ARE ON AIRPORT PROPERTY, WHETHER OR NOT THE RUNWAY IS OPEN OR CLOSED.
34. THE CONTRACTOR IS ENCOURAGED TO DOCUMENT VIA PICTURES AND/OR VIDEO THE PRE-CONSTRUCTION CONDITION OF ALL PAVEMENTS AND STRUCTURES. ANY DAMAGE NOTICED AFTER THE CONTRACTOR'S MOBILIZATION WILL BE ASSUMED TO BE CAUSED BY THE CONTRACTOR AND SHALL BE FULLY REPAIRED AT THE CONTRACTOR'S EXPENSE.
35. NO EQUIPMENT WILL BE ALLOWED WITHIN 120' OF THE PRIMARY RUNWAY 8-26 CENTERLINE. NO EQUIPMENT WILL BE PARKED OR STORED WITHIN 400' OF THE PRIMARY RUNWAY 8-26 CENTERLINE.
36. NO EQUIPMENT WILL BE ALLOWED WITHIN 39.5' OF THE TAXIWAY'S CENTERLINE. NO EQUIPMENT WILL BE PARKED OR STORED WITHIN 65.5' OF TAXIWAY ALPHA'S CENTERLINE.
37. THE EXISTING AIRPORT PAVEMENTS ARE DESIGNED FOR AIRCRAFT TRAFFIC ONLY, AND MAY NOT SUPPORT LOADED TRUCK OR HEAVY EQUIPMENT. ANY DAMAGE RESULTING FROM THE CONTRACTOR'S ACTIONS WILL BE IMMEDIATELY REPAIRED TO FAA STANDARDS AT THE CONTRACTOR'S EXPENSE.



CROSS SECTION OF RUNWAY

PROFILE

RUNWAY END	A	B	C
8	60'	369.0'	20
26	60'	377.0'	20

FAR PART 77 SURFACES

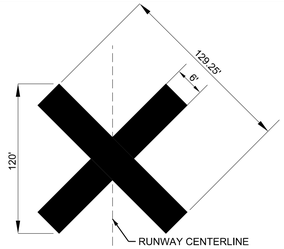
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NOTE:
THE PART 77 SECTION VIEW IS CENTERED ON THE RUNWAY CENTERLINE AT THE CENTERLINE ELEVATION, AND ON THE EXTENDED RUNWAY CENTERLINE AT THE RUNWAY THRESHOLD ELEVATION TO A POINT 200 FEET BEYOND EACH THRESHOLD. THE SECTION THEN RISES ALONG THE SLOPE INDICATED ON THE PROFILE VIEW.

PAVEMENT	SAFETY AREA WIDTH*
R/W 8-26	120'

*ALL DISTANCES ARE CENTERED ABOUT THE CENTERLINE OF THE AREA LISTED.

SAFETY AREA DIMENSIONS



NOTES:
1. CONTRACTOR SHALL BE REQURIED TO PROVIDE AND MAINTAIN TEMPORARY RUNWAY CLOSURE MARKERS.
2. THE TEMPORARY CLOSED RUNWAY MARKINGS SHALL BE AVIATION YELLOW AND MAY BE CONSTRUCTED OF MATERIAL SUCH AS FABRIC OR PLYWOOD.
3. PLACE MARKINGS AS SHOWN ON THIS SHEET. THE LOCATION OF THE TEMPORARY CLOSED RUNWAY MARKERS SHALL BE PLACED ON THE RUNWAY CENTERLINE.
4. FOR RUNWAYS THAT HAVE BEEN TEMPORARILY CLOSED, PLACE MARKER AT EACH END OF THE RUNWAY DIRECTLY ON OR AS NEAR AS PRACTICABLE TO THE RUNWAY DESIGNATION NUMBERS.
5. FOR A MULTIPLE RUNWAY ENVIRONMENT, IF THE CLOSURE MARKER ON A DESIGNATED NUMBER WILL BE LOCATED IN THE RSA OF AN ADJACENT ACTIVE RUNWAY, LOCATE THE MARKER FARTHER DOWN THE CLOSED RUNWAY TO CLEAR THE RSA OF THE ACTIVE RUNWAY.

1 / C11.01 RUNWAY CLOSURE MARKER

SCALE: N.T.S.

AIRPORT CONTACT INFORMATION:
JAMES K. BRIDGES
COUNTY COURT HOUSE, P.O. BOX 366, ERIN, TN 37061
(931) 289-3633

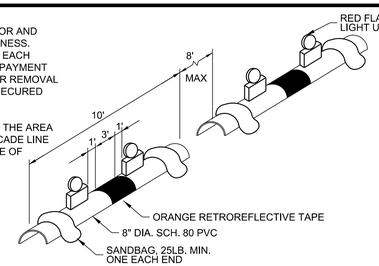
LOCAL EMERGENCY PHONE NUMBERS:
EMERGENCY:
911

ERIN CITY POLICE DEPARTMENT:
(931) 289-2727

HOUSTON COUNTY FIRE DEPARTMENT:
(931) 289-3463

LIQUIDATED DAMAGES:
$1,000 PER CALENDAR DAY

NOTES:
1. CAUTION LIGHTS TO BE RED IN COLOR AND FLASHING DURING HOURS OF DARKNESS. UNITS TO BE PLACED ADJACENT TO EACH OTHER. THERE WILL BE NO DIRECT PAYMENT FOR FURNISHING, MAINTENANCE, OR REMOVAL OF THIS BARRIER. UNITS MUST BE SECURED TO PVC.
2. ALL BARRICADES SHALL DELINEATE THE AREA TO BE PROTECTED AND THE BARRICADE LINE SHALL EXTEND TO 10' OFF THE EDGE OF EITHER SIDE OF ANY PAVEMENT.



2 / C11.01 AIRFIELD BARRICADE DETAIL

SCALE: N.T.S.

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JEREMY C. GREEN — REGISTERED ENGINEER — No. 121791 — STATE OF TENNESSEE
5/22/19

CONSTRUCTION SAFETY & PHASING PLAN (CSPP)

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
HOUSTON COUNTY AIRPORT, M93
MCKINNON, TENNESSEE

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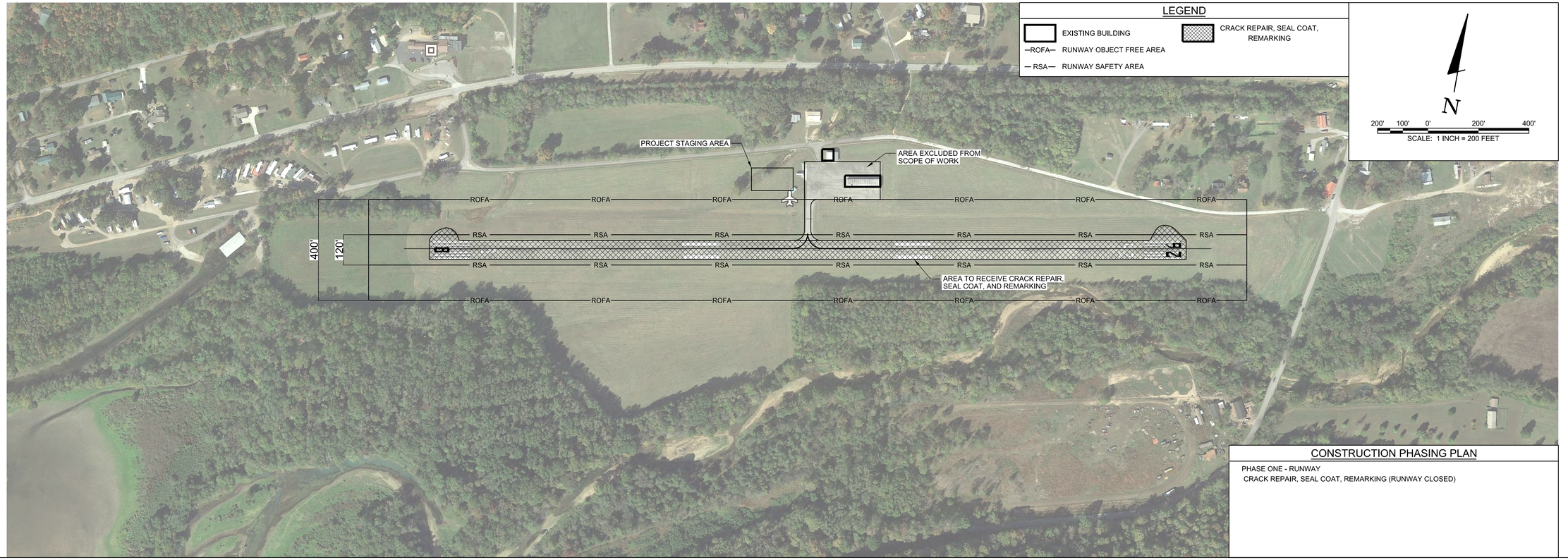
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CONSTRUCTION PHASING PLAN

PHASE ONE - RUNWAY
CRACK REPAIR, SEAL COAT, REMARKING (RUNWAY CLOSED)

SCHEDULE OF QUANTITIES

HOUSTON COUNTY AIRPORT, M93

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	7,900
P-101-5.2	CRACK REPAIR (TYPE II)	LF	100
P-101-5.3	AIRFIELD PAVEMENT MARKING REMOVAL	SF	29,320
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	26,200
P-620-5.1	TEMPORARY WHITE PAINT	SF	3,120
P-620-5.2	TEMPORARY YELLOW PAINT	SF	300
P-620-5.3	WHITE PAINT WITH REFLECTIVE MEDIA	SF	3,120
P-620-5.4	YELLOW PAINT WITH REFLECTIVE MEDIA	SF	300

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STATE OF TENNESSEE
5/22/19

OVERALL SITE LAYOUT PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
HOUSTON COUNTY AIRPORT, M93
MCKINNON, TENNESSEE

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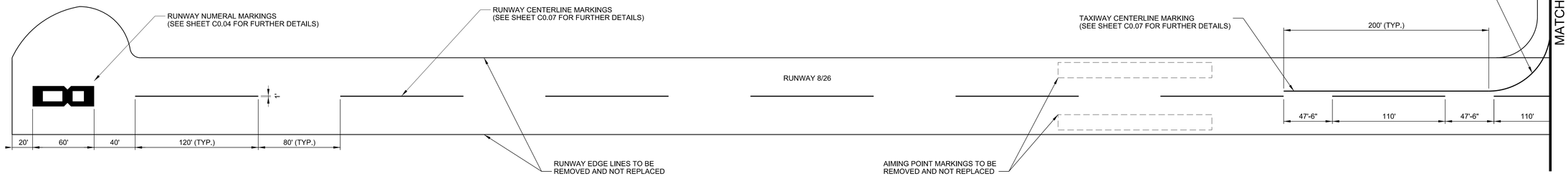
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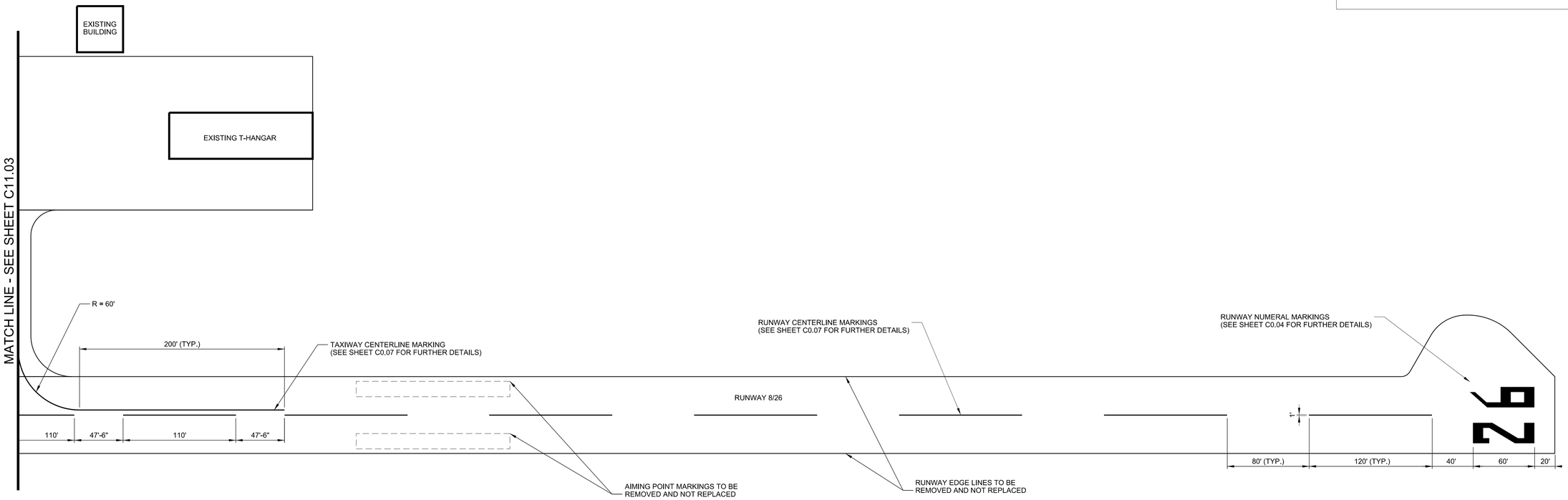
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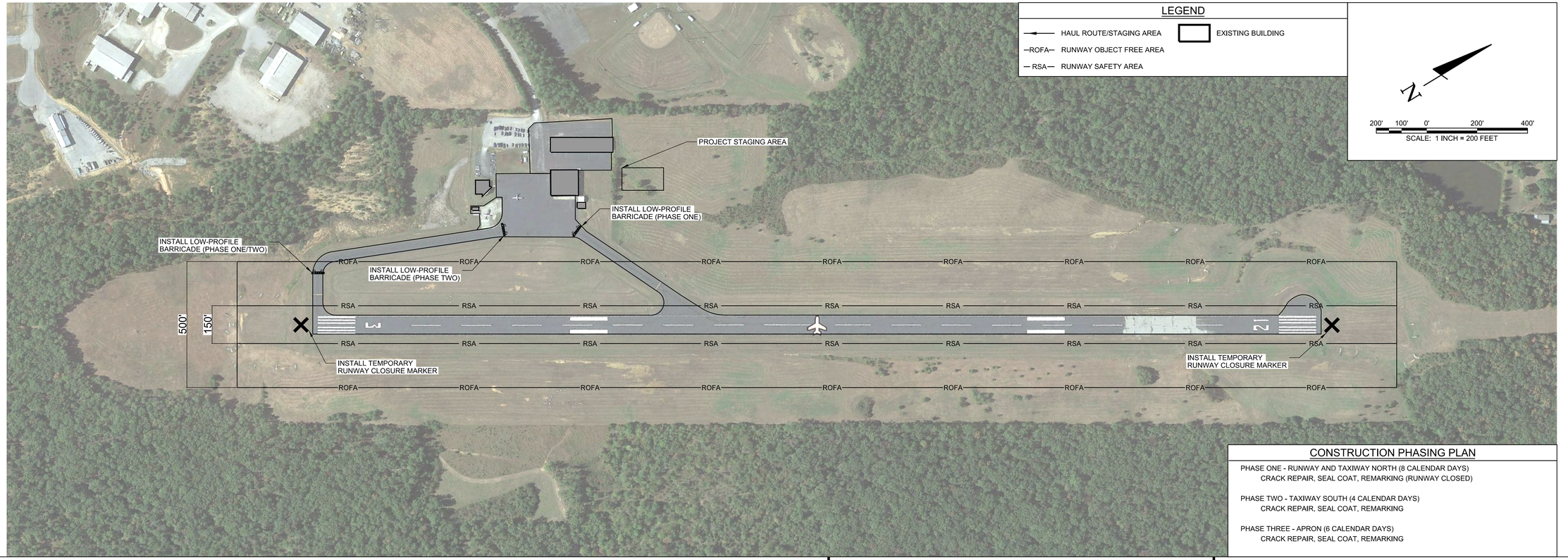
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CONSTRUCTION PHASING PLAN

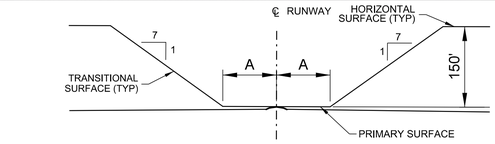
PHASE ONE - RUNWAY AND TAXIWAY NORTH (8 CALENDAR DAYS)
CRACK REPAIR, SEAL COAT, REMARKING (RUNWAY CLOSED)

PHASE TWO - TAXIWAY SOUTH (4 CALENDAR DAYS)
CRACK REPAIR, SEAL COAT, REMARKING

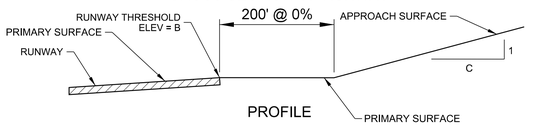
PHASE THREE - APRON (6 CALENDAR DAYS)
CRACK REPAIR, SEAL COAT, REMARKING

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6. THE CONSTRUCTION ENTRANCE, STAGING AREA, EMPLOYEE PARKING, STOCKPILE AREA, WASTE AREA AND BORROW AREA SHALL BE COORDINATED WITH THE AIRPORT MANAGER.
7. THE CONTRACTOR SHALL HAVE A MAN ON 24-HOUR CALL FOR EMERGENCY MAINTENANCE OF AIRPORT HAZARD LIGHTING AND BARRICADES AND OTHER EMERGENCIES WHICH MAY ARISE AS A RESULT OF THIS WORK.
8. THE CONTRACTOR'S PERSONNEL AND EQUIPMENT SHALL NOT BE PERMITTED OUTSIDE THE CONSTRUCTION WORK LIMITS WITHOUT BEING ESCORTED BY THE OWNER APPROVED ESCORT.
9. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW THE SAFETY PROVISIONS INCORPORATED IN THE FOLLOWING FEDERAL AVIATION ADMINISTRATION (FAA) DOCUMENTS, WHICH ARE AVAILABLE FOR REVIEW BY DOWNLOADING THE DOCUMENTS ON-LINE AT HTTP://WWW.FAA.GOV:
   - 9.1 ADVISORY CIRCULAR NUMBER 150/5370-10H, "STANDARDS FOR SPECIFYING CONSTRUCTION OF AIRPORTS"
   - 9.2 ADVISORY CIRCULAR NUMBER 150/5370-2G, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION"
   - 9.3 ADVISORY CIRCULAR NUMBER 150/5210-5D, "PAINTING, MARKING, AND LIGHTING OF VEHICLES USED ON AN AIRPORT"
10. THE CONTRACTOR SHALL BE REQUIRED TO MINIMIZE DUST CREATED BY CONSTRUCTION ACTIVITIES USING WATER OR OTHER DEVICES. ANY COST ASSOCIATED WITH DUST CONTROL SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. IN THE EVENT DUST WHICH IS CREATED BY CONSTRUCTION ACTIVITIES BECOMES A HAZARD TO AIRFIELD OPERATIONS AND/OR AIRCRAFT NAVIGATION CONSTRUCTION ACTIVITES WILL BE SHUT DOWN. THIS SHUTDOWN TIME WILL NOT BE A BASIS FOR CLAIMS FOR ADDITIONAL CONTRACT TIME OR COMPENSATION.
11. AIRCRAFT OPERATIONS SHALL AT ALL TIMES HAVE PRIORITY OVER ALL VEHICLES, EQUIPMENT AND PERSONNEL. THE CONTRACTOR SHALL EMPLOY STRICT MEASURES TO PREVENT ANY CONFLICT BETWEEN HIS PERSONNEL AND AIRCRAFT ON ANY ACTIVE AIRFIELD PAVEMENT. THE CONTRACTOR SHALL REMAIN CLEAR OF ACTIVE RUNWAYS AND TAXIWAYS.
12. ALL CONTRACTOR VEHICLES, INCLUDING HAULING VEHICLES, THAT ARE AUTHORIZED TO OPERATE ON THE AIRPORT WITHIN THE DESIGNATED LIMITS OF CONSTRUCTION OR HAUL ROUTES AS DEFINED HEREIN, SHALL DISPLAY IN FULL VIEW ABOVE THE VEHICLE A 3'X3' OR LARGER ORANGE AND WHITE CHECKERBOARD FLAG. EACH CHECKERBOARD COLOR BEING 1' SQUARE. WHEN OPERATING DURING PERIODS OF DARKNESS OR LIMITED VISIBILITY, CONTRACTOR'S VEHICLE SHALL BE EQUIPPED WITH ROTATING OR FLASHING AMBER LIGHTS. DURING SUCH PERIODS, HAULING VEHICLES NOT SO EQUIPPED SHALL BE ESCORTED BY A VEHICLE SO EQUIPPED.
13. CONTRACTOR SHALL CONTROL THE ON-AIRPORT MOVEMENT AND ACTIVITIES OF ITS EMPLOYEES AND SUBCONTRACTORS.
14. OPEN-FLAME WELDING OR TORCH-CUTTING OPERATIONS ARE PROHIBITED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS HAVE BEEN APPROVED BY THE OWNER.
15. OPEN TRENCHES, EXCAVATIONS AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHALL BE PROMINENTLY MARKED WITH ORANGE FLAGS AND LIGHTED WITH FLASHING AMBER LIGHT UNITS (ACCEPTABLE TO THE OWNER) DURING HOURS OF RESTRICTED VISIBILITY OR DARKNESS.
16. STOCKPILED MATERIAL SHALL BE CONSTRAINED IN A MANNER TO PREVENT MOVEMENT AS A RESULT OF AIRCRAFT OR WIND.
17. ANY DAMAGE TO THE EXISTING AIRPORT LIGHTING SYSTEM CAUSED BY CONSTRUCTION OPERATIONS SHALL BE IMMEDIATELY NOTED TO THE OWNER AND REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE AND TO THE OWNER'S SPECIFICATIONS.
18. DEBRIS, WASTE AND LOOSE MATERIAL CAPABLE OF CAUSING DAMAGE TO AIRCRAFT LANDING GEAR, PROPELLERS AND ROTORS, OR OF BEING INGESTED BY JET ENGINES SHALL NOT BE LEFT ON ACTIVE AIRCRAFT MOVEMENT AREAS. MATERIAL DROPPED WITHIN THESE AREAS SHALL BE REMOVED CONTINUOUSLY DURING WORKING HOURS.
19. THE CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY REFLECTORIZED SIGNS TO CLEARLY MARK THE DESIGNATED ACCESS ROUTES TO AFFECTED AREAS OF AIRPORT PROPERTY. CONTRACTOR SHALL CONTROL ACCESS TO THE WORKING AREA BY CONSTRUCTION VEHICLES AS DELINEATED ON THIS PLAN.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMING ALL PERSONS UNDER THEIR CONTROL THAT UNAUTHORIZED CONSTRUCTION PERSONNEL FOUND IN RESTRICTED AREAS OF THE AIRPORT SHOWN ON THE SAFETY PLAN ARE SUBJECT TO ARREST FOR A PUNISHABLE FEDERAL OFFENSE AND WILL PROMPTLY AND PERMANENTLY BE REMOVED FROM THE JOB.
21. THE CONTRACTOR SHALL PROVIDE APPROVED FLAGMAN TO CONTROL ALL CONSTRUCTION TRAFFIC AND APPROVED GATE GUARD TO CONTROL ALL CONSTRUCTION TRAFFIC ENTERING PROJECT.
22. CONTRACTOR SHALL CONTROL AND ESCORT ALL CONSTRUCTION TRAFFIC ENTERING AIRPORT TO PREVENT CONFLICTS WITH AIRCRAFT OPERATIONS.
23. SPECIAL ACCESS REQUIREMENTS AND OPERATING LIMITATIONS ARE REQUIRED INSIDE THE SECURITY FENCE. THE CONTRACTOR SHALL DELINEATE WORK LIMITS WITHIN THESE AREAS USING STAKES WITH FLAGGING AS NOTED. CONFINE ALL CONTRACTOR'S PERSONNEL, EQUIPMENT AND MATERIALS INSIDE THE OWNER'S APPROVED WORK LIMITS.
24. THE CONTRACTOR SHALL PERFORM CONSTRUCTION OPERATIONS AS NECESSARY TO MINIMIZE ATTRACTION TO BIRDS CAUSED BY PONDED WATER AND GRASS SEED.
25. THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN FLASHING LIGHTS AND BARRICADES ALONG AIRCRAFT APRON EDGES OR WHERE TEMPORARY PAVEMENT CLOSURES OR AIRCRAFT LIMITATIONS ARE REQUIRED. BARRICADES SHALL BE SPACED NO MORE THAN 8 FEET ON CENTER OR AS NOTED ALONG THE AFFECTED PAVEMENT EDGE OR ACROSS THE PAVEMENT OF A CLOSED TAXIWAY. THE CONTRACTOR SHALL DAILY MAINTAIN THE LIGHTS AND BARRICADES IN AN OPERABLE CONDITION FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL FURNISH THE OWNER A CONTACT NUMBER FOR 24-HOUR MAINTENANCE OF LIGHTS AND BARRICADES. THE COST FOR BARRICADES AND LIGHTS SHALL BE INCIDENTAL TO THE PROJECT.
26. NO CONSTRUCTION TRAFFIC SHALL ENTER OR CROSS ANY ACTIVE AIRPORT OPERATIONAL AREA EXCEPT UPON AUTHORIZATION BY THE OWNER.
27. REFER TO THE GENERAL NOTES FOR REQUIREMENTS PERTAINING TO STORAGE OF CONSTRUCTION EQUIPMENT AND MATERIALS WHEN NOT IN USE.
28. THE CONTRACTOR SHALL COMPLY WITH ALL SECURITY REQUIREMENTS SPECIFIED HEREIN. THE CONTRACTOR SHALL DESIGNATE IN WRITING TO THE OWNER THE NAME OF ITS "CONTRACTOR SECURITY OFFICER". THE CONTRACTOR SECURITY OFFICER SHALL REPRESENT THE CONTRACTOR ON THE SECURITY REQUIREMENTS OF THE CONTRACT.
29. THE CONTRACTOR'S SECURITY OFFICER SHALL BE RESPONSIBLE FOR BRIEFING ALL CONTRACTOR PERSONNEL ON THESE REQUIREMENTS. CONTRACTOR EMPLOYEES SHALL ATTEND THE OWNER'S SECURITY TRAINING SESSION AND SHALL BE BRIEFED ON THESE REQUIREMENTS PRIOR TO WORKING IN THE CONSTRUCTION AREAS.
30. THE CONTRACTOR SHALL ACQUAINT THEIR SUPERVISORS AND EMPLOYEES WITH THE AIRPORT ACTIVITIES AND OPERATIONS THAT ARE INHERENT AT THIS AIRPORT AND SHALL CONDUCT THEIR CONSTRUCTION ACTIVITIES TO CONFORM TO ALL ROUTINE AND EMERGENCY AIR TRAFFIC REQUIREMENTS AND TO THE GUIDELINES ON SAFETY.
31. CONTRACTOR TO FIELD VERIFY AND PROTECT ALL EXISTING UTILITIES BEFORE CONSTRUCTION WORK BEGINS.
32. ALL LOCATIONS USED FOR HAUL ROUTES, STAGING AREAS, EMPLOYEE PARKING AND MATERIAL STORAGE SHALL BE CLEANED UP WHEN ALL CONSTRUCTION IS COMPLETED.
33. ALL FOREMAN'S SUPERINTENDANT'S VEHICLES SHALL CONTAIN RADIOS CAPABLE OF TRANSMITTING AND RECEIVING THE UNICOM FREQUENCY OF 122.8. NORMAL RADIO COMMUNICATIONS BETWEEN CONTRACTOR PERSONNEL WILL NOT BE ALLOWED ON THE UNICOM FREQUENCY OF 122.8 OR ANY OTHER FAA FREQUENCY. THE CONTRACTOR IS REQUIRED TO MONITOR THE AIRPORT FREQUENCY WHENEVER THEIR FORCES ARE ON AIRPORT PROPERTY, WHETHER OR NOT THE RUNWAY IS OPEN OR CLOSED.
34. THE CONTRACTOR IS ENCOURAGED TO DOCUMENT VIA PICTURES AND/OR VIDEO THE PRE-CONSTRUCTION CONDITION OF ALL PAVEMENTS AND STRUCTURES, ANY DAMAGE NOTICED AFTER THE CONTRACTOR'S MOBILIZATION WILL BE ASSUMED TO BE CAUSED BY THE CONTRACTOR AND SHALL BE FULLY REPAIRED AT THE CONTRACTOR'S EXPENSE.
35. NO EQUIPMENT WILL BE ALLOWED WITHIN 150' OF THE PRIMARY RUNWAY 3-21 CENTERLINE. NO EQUIPMENT WILL BE PARKED OR STORED WITHIN 500' OF THE PRIMARY RUNWAY 3-21 CENTERLINE.
36. NO EQUIPMENT WILL BE ALLOWED WITHIN 39.5' OF THE TAXIWAY'S CENTERLINE. NO EQUIPMENT WILL BE PARKED OR STORED WITHIN 65.5' OF TAXIWAY ALPHA'S CENTERLINE.
37. THE EXISTING AIRPORT PAVEMENTS ARE DESIGNED FOR AIRCRAFT TRAFFIC ONLY, AND MAY NOT SUPPORT LOADED TRUCK OR HEAVY EQUIPMENT. ANY DAMAGE RESULTING FROM THE CONTRACTOR'S ACTIONS WILL BE IMMEDIATELY REPAIRED TO FAA STANDARDS AT THE CONTRACTOR'S EXPENSE.



CROSS SECTION OF RUNWAY



PROFILE

RUNWAY END	A	B	C
3	75'	754.7'	34
21	75'	739.5	34

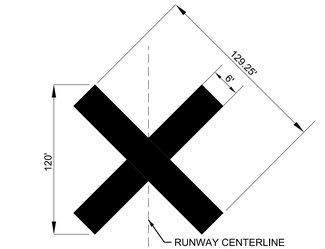
FAR PART 77 SURFACES
DRAWING NOT TO SCALE

NOTE:
THE PART 77 SECTION VIEW IS CENTERED ON THE RUNWAY CENTERLINE AT THE CENTERLINE ELEVATION, AND ON THE EXTENDED RUNWAY CENTERLINE AT THE RUNWAY THRESHOLD ELEVATION TO A POINT 200 FEET BEYOND EACH THRESHOLD. THE SECTION THEN RISES ALONG THE SLOPE INDICATED ON THE PROFILE VIEW.

PAVEMENT	SAFETY AREA WIDTH*
R/W 3-21	150'

*ALL DISTANCES ARE CENTERED ABOUT THE CENTERLINE OF THE AREA LISTED.

SAFETY AREA DIMENSIONS



NOTES:
1. CONTRACTOR SHALL BE REQURIED TO PROVIDE AND MAINTAIN TEMPORARY RUNWAY CLOSURE MARKERS.
2. THE TEMPORARY CLOSED RUNWAY MARKINGS SHALL BE AVIATION YELLOW AND MAY BE CONSTRUCTED OF MATERIAL SUCH AS FABRIC OR PLYWOOD.
3. PLACE MARKINGS AS SHOWN ON THIS SHEET, THE LOCATION OF THE TEMPORARY CLOSED RUNWAY MARKERS SHALL BE PLACED ON THE RUNWAY CENTERLINE.
4. FOR RUNWAYS THAT HAVE BEEN TEMPORARILY CLOSED, PLACE MARKER AT EACH END OF THE RUNWAY DIRECTLY ON OR AS NEAR AS PRACTICABLE TO THE RUNWAY DESIGNATION NUMBERS.
5. FOR A MULTIPLE RUNWAY ENVIRONMENT, IF THE CLOSURE MARKER ON A DESIGNATED NUMBER WILL BE LOCATED IN THE RSA OF AN ADJACENT ACTIVE RUNWAY, LOCATE THE MARKER FARTHER DOWN THE CLOSED RUNWAY TO CLEAR THE RSA OF THE ACTIVE RUNWAY.

1 / C12.01 RUNWAY CLOSURE MARKER
SCALE: N.T.S.

AIRPORT CONTACT INFORMATION:
JEFF FINCHER
1005 AIRPORT ROAD, WAVERLY, TN 37185
(931) 296-2719

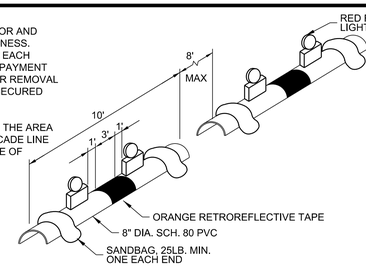
LOCAL EMERGENCY PHONE NUMBERS:
EMERGENCY:
911

WAVERLY POLICE DEPARTMENT:
(931) 296-2301

HUMPHREYS COUNTY FIRE DEPARTMENT:
(931) 296-7795

LIQUIDATED DAMAGES:
$1,000 PER CALENDAR DAY

NOTES:
1. CAUTION LIGHTS TO BE RED IN COLOR AND FLASHING DURING HOURS OF DARKNESS. UNITS TO BE PLACED ADJACENT TO EACH OTHER. THERE WILL BE NO DIRECT PAYMENT FOR FURNISHING, MAINTENANCE, OR REMOVAL OF THIS BARRIER. UNITS MUST BE SECURED TO PVC.
2. ALL BARRICADES SHALL DELINEATE THE AREA TO BE PROTECTED AND THE BARRICADE LINE SHALL EXTEND TO 10' OFF THE EDGE OF EITHER SIDE OF ANY PAVEMENT.



2 / C12.01 AIRFIELD BARRICADE DETAIL
SCALE: N.T.S.

BARGE DESIGN SOLUTIONS
615 3rd Avenue South // Suite 700 // Nashville, Tennessee 37210
PHONE (615) 254-1500 // FAX (615) 255-6572

JEREMY GREEN
REGISTERED ENGINEER
No. 121991
STATE OF TENNESSEE
5/22/19

CONSTRUCTION SAFETY & PHASING PLAN (CSPP)

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
HUMPHREYS COUNTY AIRPORT, 0M5
WAVERLY, TENNESSEE

REV.:	DR.	CHK.	DATE	REVISION INFORMATION
	JKB	JDG	04/26/2019	ISSUED FOR 90% REVIEW
	JAC	JDG	05/22/2019	ISSUED FOR BID

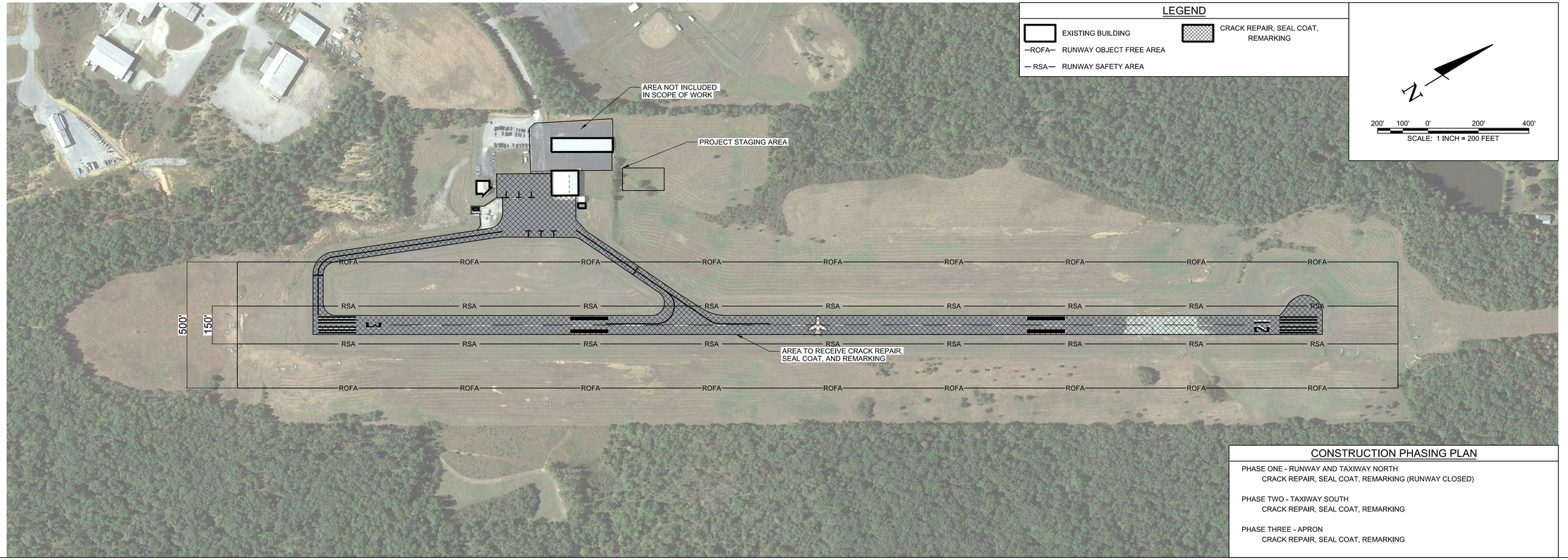
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LEGEND

- EXISTING BUILDING
- CRACK REPAIR, SEAL COAT, REMARKING
- —ROFA— RUNWAY OBJECT FREE AREA
- — RSA — RUNWAY SAFETY AREA

N

200' 100' 0' 200' 400'

SCALE: 1 INCH = 200 FEET

CONSTRUCTION PHASING PLAN

PHASE ONE - RUNWAY AND TAXIWAY NORTH
CRACK REPAIR, SEAL COAT, REMARKING (RUNWAY CLOSED)

PHASE TWO - TAXIWAY SOUTH
CRACK REPAIR, SEAL COAT, REMARKING

PHASE THREE - APRON
CRACK REPAIR, SEAL COAT, REMARKING

SCHEDULE OF QUANTITIES

HUMPHREYS COUNTY AIRPORT, 0M5

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	25,000
P-101-5.2	CRACK REPAIR (TYPE II)	LF	1,100
P-101-5.3	AIRFIELD PAVEMENT MARKING REMOVAL	SF	37,700
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	49,700
P-620-5.1	TEMPORARY WHITE PAINT	SF	24,200
P-620-5.2	TEMPORARY YELLOW PAINT	SF	1,500
P-620-5.3	WHITE PAINT WITH REFLECTIVE MEDIA	SF	24,200
P-620-5.4	YELLOW PAINT WITH REFLECTIVE MEDIA	SF	1,500

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JEREMY O. GREEN
REGISTERED ENGINEER
No. 121991
STATE OF TENNESSEE
5/22/19

OVERALL SITE LAYOUT PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
HUMPHREYS COUNTY AIRPORT, 0M5
WAVERLY, TENNESSEE

REVISION INFORMATION

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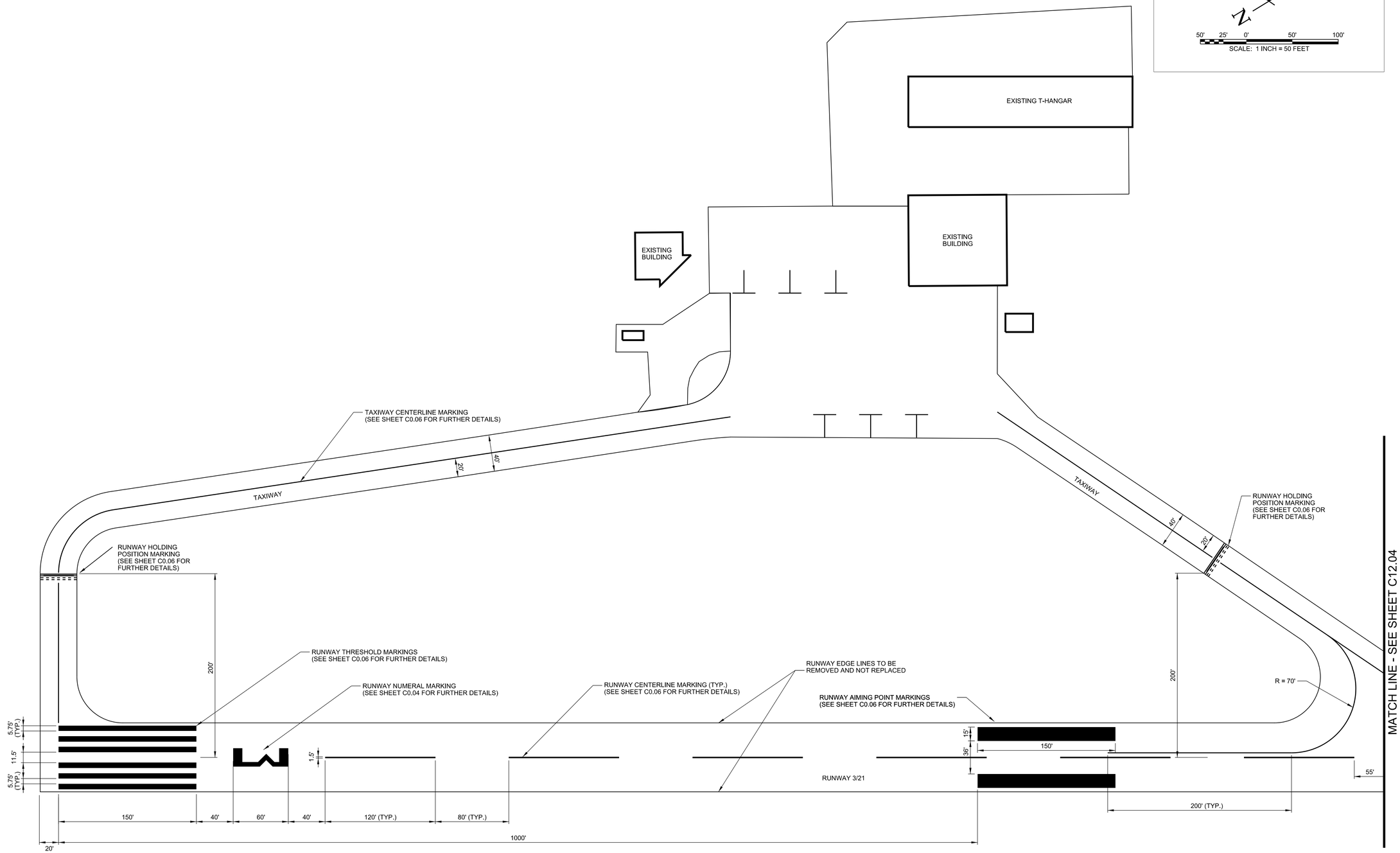
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JEREMY GREEN
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No. 121791
STATE OF TENNESSEE
5/22/19

AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
HUMPHREYS COUNTY AIRPORT, 0M5
WAVERLY, TENNESSEE

REVISION INFORMATION			
REV.	DR.	CHK.	DATE	DESCRIPTION
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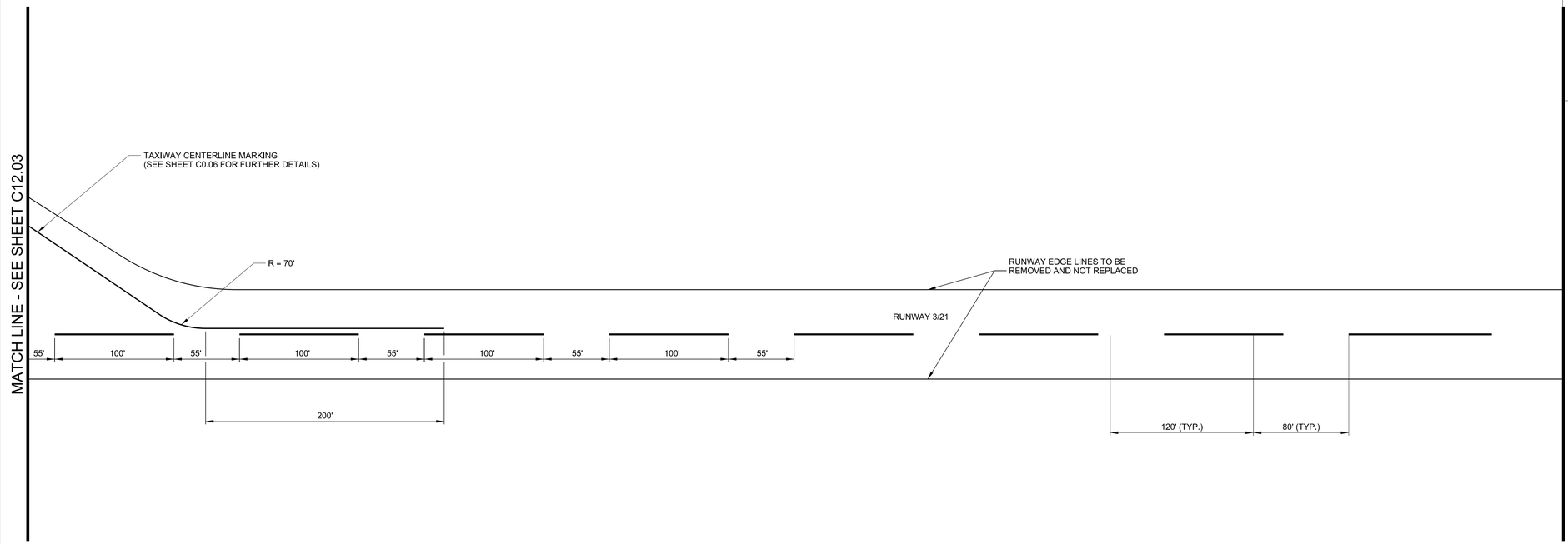
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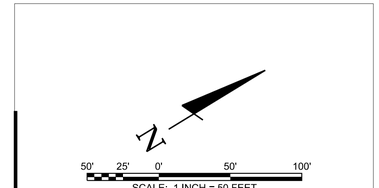
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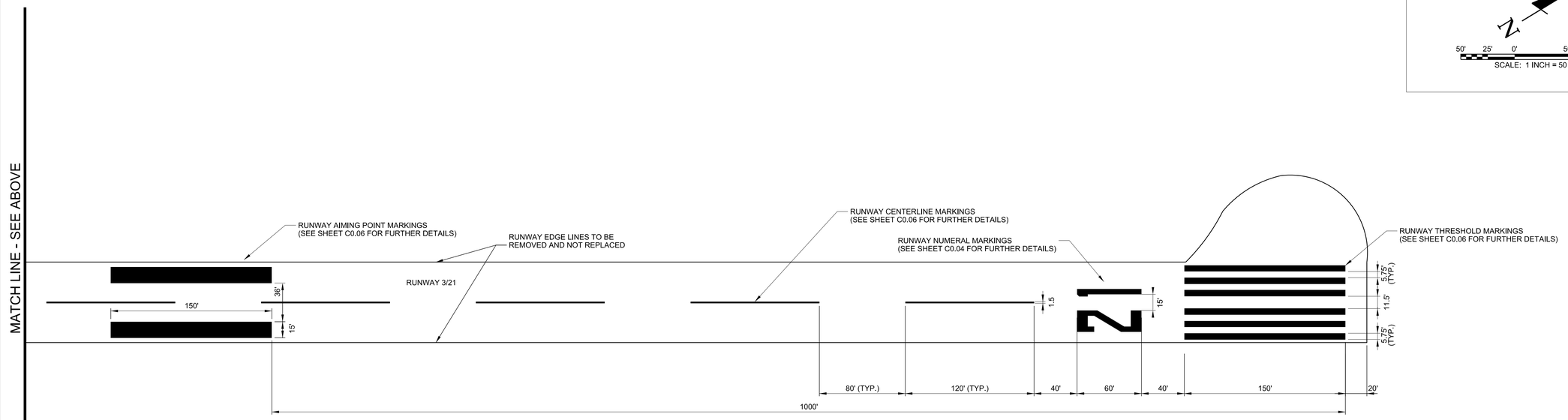
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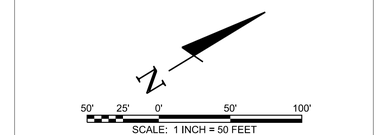
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REGISTERED ENGINEER
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STATE OF TENNESSEE
5/22/19

AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
HUMPHREYS COUNTY AIRPORT, 0M5
WAVERLY, TENNESSEE

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CONSTRUCTION PHASING PLAN

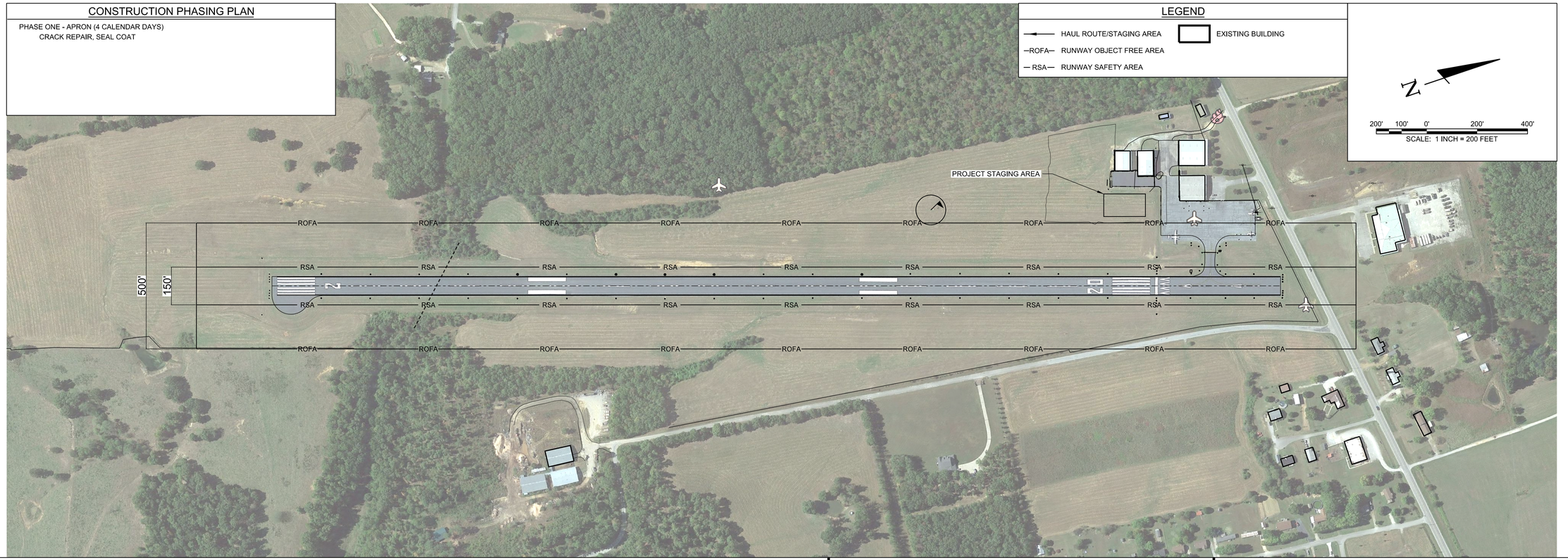
PHASE ONE - APRON (4 CALENDAR DAYS)
CRACK REPAIR, SEAL COAT

LEGEND

HAUL ROUTE/STAGING AREA
EXISTING BUILDING
ROFA RUNWAY OBJECT FREE AREA
RSA RUNWAY SAFETY AREA

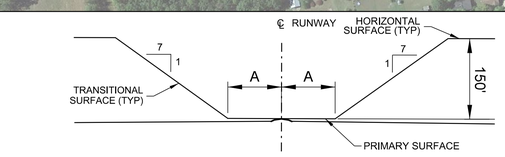
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200' 100' 0' 200' 400'
SCALE: 1 INCH = 200 FEET

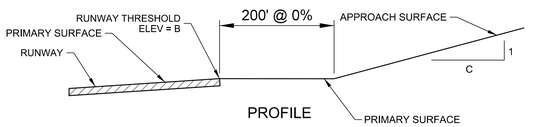


CONSTRUCTION SAFETY NOTES

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER AND THE OWNER NOT LESS THAN TWO (2) DAYS PRIOR TO ENTERING THE CONSTRUCTION SITE FOR ANY PURPOSE SO THAT THEY MAY PUBLISH "NOTICES TO AIRMAN" OF THE CONSTRUCTION ACTIVITIES.
2. SUFFICIENT SWEEPERS AND CLEAN UP EQUIPMENT SHALL BE PROVIDED IN ORDER THAT ALL LOOSE MATERIAL, DEBRIS AND MUD CAN BE REMOVED FROM ALL AIRPORT OPERATIONS AREAS ON A CONTINUOUS BASIS.
3. NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR RADIOS, CONSTRUCTION OF AND MAINTENANCE OF HAUL ROUTES AND CONSTRUCTION ENTRANCE, ETC. AS INCLUDED IN THESE NOTES. ALL COSTS ASSOCIATED WITH THESE ITEMS MUST BE INCLUDED IN THE CONTRACT BID PRICES WHICH WOULD MOST LIKELY INCLUDE THEM.
4. THE CONTRACTOR AND PERSONNEL SHALL NOT, AT ANY TIME, BE ON THE RUNWAY OR TAXIWAYS UNLESS THE AIRPORT MANAGER GIVES PRIOR APPROVAL.
5. THE CONTRACTOR SHALL TAKE EXTREME CAUTION AROUND ALL EXISTING AIRPORT EQUIPMENT.
6. THE CONSTRUCTION ENTRANCE, STAGING AREA, EMPLOYEE PARKING, STOCKPILE AREA, WASTE AREA AND BORROW AREA SHALL BE COORDINATED WITH THE AIRPORT MANAGER.
7. THE CONTRACTOR SHALL HAVE A MAN ON 24-HOUR CALL FOR EMERGENCY MAINTENANCE OF AIRPORT HAZARD LIGHTING AND BARRICADES AND OTHER EMERGENCIES WHICH MAY ARISE AS A RESULT OF THIS WORK.
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13. CONTRACTOR SHALL CONTROL THE ON-AIRPORT MOVEMENT AND ACTIVITIES OF ITS EMPLOYEES AND SUBCONTRACTORS.
14. OPEN-FLAME WELDING OR TORCH-CUTTING OPERATIONS ARE PROHIBITED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS HAVE BEEN APPROVED BY THE OWNER.
15. OPEN TRENCHES, EXCAVATIONS AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHALL BE PROMINENTLY MARKED WITH ORANGE FLAGS AND LIGHTED WITH FLASHING AMBER LIGHT UNITS (ACCEPTABLE TO THE OWNER) DURING HOURS OF RESTRICTED VISIBILITY OR DARKNESS.
16. STOCKPILED MATERIAL SHALL BE CONSTRAINED IN A MANNER TO PREVENT MOVEMENT AS A RESULT OF AIRCRAFT OR WIND.
17. ANY DAMAGE TO THE EXISTING AIRPORT LIGHTING SYSTEM CAUSED BY CONSTRUCTION OPERATIONS SHALL BE IMMEDIATELY NOTED TO THE OWNER AND REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE AND TO THE OWNER'S SPECIFICATIONS.
18. DEBRIS, WASTE AND LOOSE MATERIAL CAPABLE OF CAUSING DAMAGE TO AIRCRAFT LANDING GEAR, PROPELLERS AND ROTORS, OR OF BEING INGESTED BY JET ENGINES SHALL NOT BE LEFT ON ACTIVE AIRCRAFT MOVEMENT AREAS. MATERIAL DROPPED WITHIN THESE AREAS SHALL BE REMOVED CONTINUOUSLY DURING WORKING HOURS.
19. THE CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY REFLECTORIZED SIGNS TO CLEARLY MARK THE DESIGNATED ACCESS ROUTES TO AFFECTED AREAS OF AIRPORT PROPERTY. CONTRACTOR SHALL CONTROL ACCESS TO THE WORKING AREA BY CONSTRUCTION VEHICLES AS DELINEATED ON THIS PLAN.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMING ALL PERSONS UNDER THEIR CONTROL THAT UNAUTHORIZED CONSTRUCTION PERSONNEL FOUND IN RESTRICTED AREAS OF THE AIRPORT SHOWN ON THE SAFETY PLAN ARE SUBJECT TO ARREST FOR A PUNISHABLE FEDERAL OFFENSE AND WILL PROMPTLY AND PERMANENTLY BE REMOVED FROM THE JOB.
21. THE CONTRACTOR SHALL PROVIDE APPROVED FLAGMAN TO CONTROL ALL CONSTRUCTION TRAFFIC AND APPROVED GATE GUARD TO CONTROL ALL CONSTRUCTION TRAFFIC ENTERING PROJECT.
22. CONTRACTOR SHALL CONTROL AND ESCORT ALL CONSTRUCTION TRAFFIC ENTERING AIRPORT TO PREVENT CONFLICTS WITH AIRCRAFT OPERATIONS.
23. SPECIAL ACCESS REQUIREMENTS AND OPERATING LIMITATIONS ARE REQUIRED INSIDE THE SECURITY FENCE. THE CONTRACTOR SHALL DELINEATE WORK LIMITS WITHIN THESE AREAS USING STAKES WITH FLAGGING AS NOTED. CONFINE ALL CONTRACTOR'S PERSONNEL, EQUIPMENT AND MATERIALS INSIDE THE OWNER'S APPROVED WORK LIMITS.
24. THE CONTRACTOR SHALL PERFORM CONSTRUCTION OPERATIONS AS NECESSARY TO MINIMIZE ATTRACTION TO BIRDS CAUSED BY PONDED WATER AND GRASS SEED.
25. THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN FLASHING LIGHTS AND BARRICADES ALONG AIRCRAFT APRON EDGES OR WHERE TEMPORARY PAVEMENT CLOSURES OR AIRCRAFT LIMITATIONS ARE REQUIRED. BARRICADES SHALL BE SPACED NO MORE THAN 8 FEET ON CENTER OR AS NOTED ALONG THE AFFECTED PAVEMENT EDGE OR ACROSS THE PAVEMENT OF A CLOSED TAXIWAY. THE CONTRACTOR SHALL DAILY MAINTAIN THE LIGHTS AND BARRICADES IN AN OPERABLE CONDITION FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL FURNISH THE OWNER A CONTACT NUMBER FOR 24-HOUR MAINTENANCE OF LIGHTS AND BARRICADES. THE COST FOR BARRICADES AND LIGHTS SHALL BE INCIDENTAL TO THE PROJECT.
26. NO CONSTRUCTION TRAFFIC SHALL ENTER OR CROSS ANY ACTIVE AIRPORT OPERATIONAL AREA EXCEPT UPON AUTHORIZATION BY THE OWNER.
27. REFER TO THE GENERAL NOTES FOR REQUIREMENTS PERTAINING TO STORAGE OF CONSTRUCTION EQUIPMENT AND MATERIALS WHEN NOT IN USE.
28. THE CONTRACTOR SHALL COMPLY WITH ALL SECURITY REQUIREMENTS SPECIFIED HEREIN. THE CONTRACTOR SHALL DESIGNATE IN WRITING TO THE OWNER THE NAME OF ITS "CONTRACTOR SECURITY OFFICER". THE CONTRACTOR SECURITY OFFICER SHALL REPRESENT THE CONTRACTOR ON THE SECURITY REQUIREMENTS OF THE CONTRACT.
29. THE CONTRACTOR'S SECURITY OFFICER SHALL BE RESPONSIBLE FOR BRIEFING ALL CONTRACTOR PERSONNEL ON THESE REQUIREMENTS. CONTRACTOR EMPLOYEES SHALL ATTEND THE OWNER'S SECURITY TRAINING SESSION AND SHALL BE BRIEFED ON THESE REQUIREMENTS PRIOR TO WORKING IN THE CONSTRUCTION AREAS.
30. THE CONTRACTOR SHALL ACQUAINT THEIR SUPERVISORS AND EMPLOYEES WITH THE AIRPORT ACTIVITIES AND OPERATIONS THAT ARE INHERENT AT THIS AIRPORT AND SHALL CONDUCT THEIR CONSTRUCTION ACTIVITIES TO CONFORM TO ALL ROUTINE AND EMERGENCY AIR TRAFFIC REQUIREMENTS AND TO THE GUIDELINES ON SAFETY.
31. CONTRACTOR TO FIELD VERIFY AND PROTECT ALL EXISTING UTILITIES BEFORE CONSTRUCTION WORK BEGINS.
32. ALL LOCATIONS USED FOR HAUL ROUTES, STAGING AREAS, EMPLOYEE PARKING AND MATERIAL STORAGE SHALL BE CLEANED UP WHEN ALL CONSTRUCTION IS COMPLETED.
33. ALL FOREMAN'S SUPERINTENDANT'S VEHICLES SHALL CONTAIN RADIOS CAPABLE OF TRANSMITTING AND RECEIVING THE UNICOM FREQUENCY OF 122.8. NORMAL RADIO COMMUNICATIONS BETWEEN CONTRACTOR PERSONNEL WILL NOT BE ALLOWED ON THE UNICOM FREQUENCY OF 122.8 OR ANY OTHER FAA FREQUENCY. THE CONTRACTOR IS REQUIRED TO MONITOR THE AIRPORT FREQUENCY WHENEVER THEIR FORCES ARE ON AIRPORT PROPERTY, WHETHER OR NOT THE RUNWAY IS OPEN OR CLOSED.
34. THE CONTRACTOR IS ENCOURAGED TO DOCUMENT VIA PICTURES AND/OR VIDEO THE PRE-CONSTRUCTION CONDITION OF ALL PAVEMENTS AND STRUCTURES. ANY DAMAGE NOTICED AFTER THE CONTRACTOR'S MOBILIZATION WILL BE ASSUMED TO BE CAUSED BY THE CONTRACTOR AND SHALL BE FULLY REPAIRED AT THE CONTRACTOR'S EXPENSE.
35. NO EQUIPMENT WILL BE ALLOWED WITHIN 150' OF THE PRIMARY RUNWAY 2-20 CENTERLINE. NO EQUIPMENT WILL BE PARKED OR STORED WITHIN 500' OF THE PRIMARY RUNWAY 2-20 CENTERLINE.
36. NO EQUIPMENT WILL BE ALLOWED WITHIN 39.5' OF THE TAXIWAY'S CENTERLINE. NO EQUIPMENT WILL BE PARKED OR STORED WITHIN 65.5' OF TAXIWAY ALPHA'S CENTERLINE.
37. THE EXISTING AIRPORT PAVEMENTS ARE DESIGNED FOR AIRCRAFT TRAFFIC ONLY, AND MAY NOT SUPPORT LOADED TRUCK OR HEAVY EQUIPMENT. ANY DAMAGE RESULTING FROM THE CONTRACTOR'S ACTIONS WILL BE IMMEDIATELY REPAIRED TO FAA STANDARDS AT THE CONTRACTOR'S EXPENSE.



CROSS SECTION OF RUNWAY



PROFILE

RUNWAY END	A	B	C
2	75'	949.4'	34
20	75'	967.5'	20

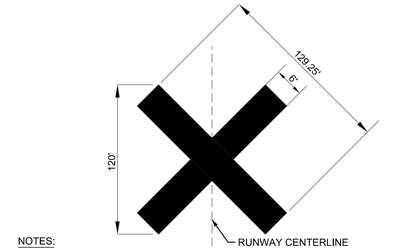
FAR PART 77 SURFACES
DRAWING NOT TO SCALE

NOTE:
THE PART 77 SECTION VIEW IS CENTERED ON THE RUNWAY CENTERLINE AT THE CENTERLINE ELEVATION, AND ON THE EXTENDED RUNWAY CENTERLINE AT THE RUNWAY THRESHOLD ELEVATION TO A POINT 200 FEET BEYOND EACH THRESHOLD. THE SECTION THEN RISES ALONG THE SLOPE INDICATED ON THE PROFILE VIEW.

PAVEMENT	SAFETY AREA WIDTH*
R/W 2-20	150'

*ALL DISTANCES ARE CENTERED ABOUT THE CENTERLINE OF THE AREA LISTED.

SAFETY AREA DIMENSIONS



NOTES:
1. CONTRACTOR SHALL BE REQURIED TO PROVIDE AND MAINTAIN TEMPORARY RUNWAY CLOSURE MARKERS.
2. THE TEMPORARY CLOSED RUNWAY MARKINGS SHALL BE AVIATION YELLOW AND MAY BE CONSTRUCTED OF MATERIAL SUCH AS FABRIC OR PLYWOOD.
3. PLACE MARKINGS AS SHOWN ON THIS SHEET. THE LOCATION OF THE TEMPORARY CLOSED RUNWAY MARKERS SHALL BE PLACED ON THE RUNWAY CENTERLINE.
4. FOR RUNWAYS THAT HAVE BEEN TEMPORARILY CLOSED, PLACE MARKER AT EACH END OF THE RUNWAY DIRECTLY ON OR AS NEAR AS PRACTICABLE TO THE RUNWAY DESIGNATION NUMBERS.
5. FOR A MULTIPLE RUNWAY ENVIRONMENT, IF THE CLOSURE MARKER ON A DESIGNATED NUMBER WILL BE LOCATED IN THE RSA OF AN ADJACENT ACTIVE RUNWAY, LOCATE THE MARKER FARTHER DOWN THE CLOSED RUNWAY TO CLEAR THE RSA OF THE ACTIVE RUNWAY.

1 / C13.01 RUNWAY CLOSURE MARKER
SCALE: N.T.S.

AIRPORT CONTACT INFORMATION:
PAUL BRIDGES
1192 WEST MAIN STREET, HOHENWALD, TN 38462
(931) 796-3448

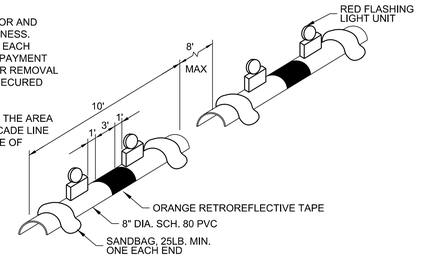
LOCAL EMERGENCY PHONE NUMBERS:
EMERGENCY:
911

HOHENWALD POLICE DEPARTMENT:
(931) 796-3223

HOHENWALD VOLUNTEER FIRE DEPARTMENT:
(931) 796-2241

LIQUIDATED DAMAGES:
$1,000 PER CALENDAR DAY

NOTES:
1. CAUTION LIGHTS TO BE RED IN COLOR AND FLASHING DURING HOURS OF DARKNESS. UNITS TO BE PLACED ADJACENT TO EACH OTHER. THERE WILL BE NO DIRECT PAYMENT FOR FURNISHING, MAINTENANCE, OR REMOVAL OF THIS BARRIER. UNITS MUST BE SECURED TO PVC.
2. ALL BARRICADES SHALL DELINEATE THE AREA TO BE PROTECTED AND THE BARRICADE LINE SHALL EXTEND TO 10' OFF THE EDGE OF EITHER SIDE OF ANY PAVEMENT.



2 / C13.01 AIRFIELD BARRICADE DETAIL
SCALE: N.T.S.

BARGE DESIGN SOLUTIONS
615 3rd Avenue South // Suite 700 // Nashville, Tennessee 37210
PHONE (615) 254-1500 // FAX (615) 255-6572

JEREMY GREEN
REGISTERED ENGINEER
No. 121191
STATE OF TENNESSEE
5/22/19

CONSTRUCTION SAFETY & PHASING PLAN (CSPP)

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
JOHN A BAKER FIELD AIRPORT, 0M3
HOHENWALD, TENNESSEE

REV.	DR.	CHK.	DATE	REVISION INFORMATION
	JKB	JDG	04/26/2019	ISSUED FOR 90% REVIEW
	JAC	JDG	05/22/2019	ISSUED FOR BID

C13.01

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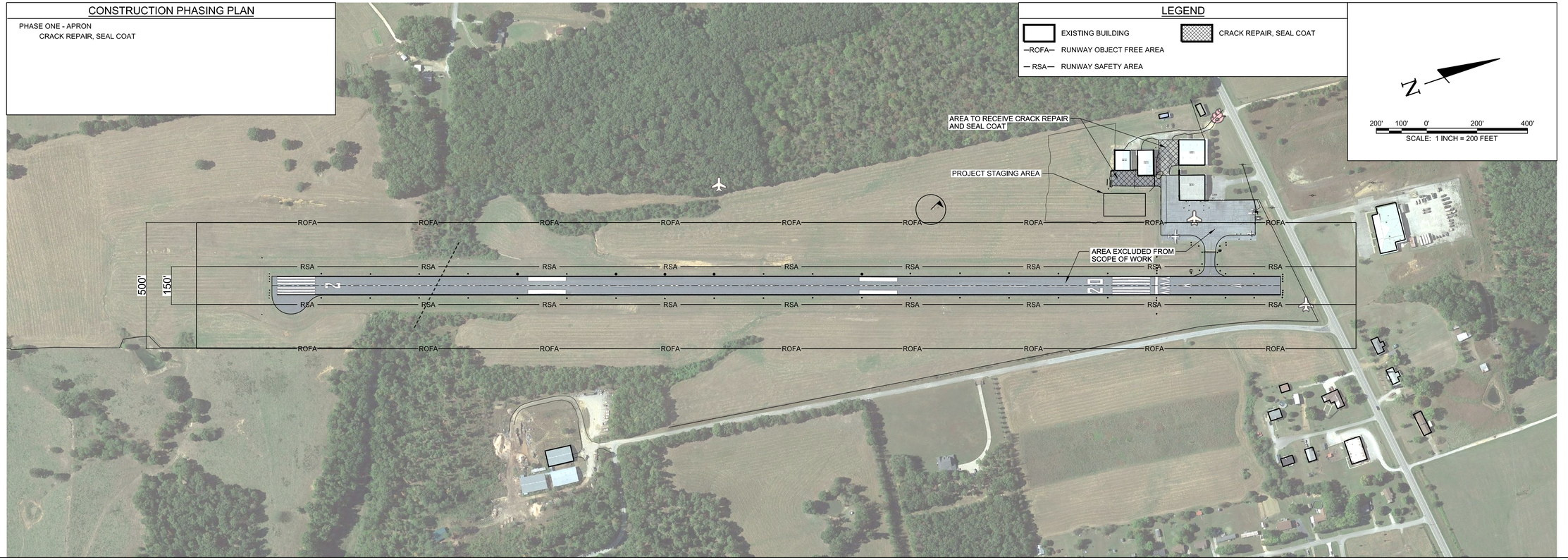
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CONSTRUCTION PHASING PLAN

PHASE ONE - APRON
CRACK REPAIR, SEAL COAT



SCHEDULE OF QUANTITIES

JOHN A. BAKER FIELD AIRPORT, 0M3

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	900
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	19,800

BARGE DESIGN SOLUTIONS
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PHONE (615) 254-1500 // FAX (615) 255-6572

JEREMY GREEN
REGISTERED ENGINEER
No. 121791
STATE OF TENNESSEE
5/22/19

OVERALL SITE LAYOUT PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
JOHN A BAKER FIELD AIRPORT, 0M3
HOHENWALD, TENNESSEE

REV.	DR.	CHK	DATE	DESCRIPTION
	JKB	JDG	04/26/2019	ISSUED FOR 90% REVIEW
	JAC	JDG	05/22/2019	ISSUED FOR BID

REVISION INFORMATION

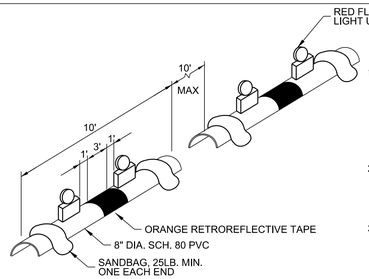
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NOTES:

1. CAUTION LIGHTS TO BE RED IN COLOR AND FLASHING DURING HOURS OF DARKNESS. UNITS TO BE PLACED ADJACENT TO EACH OTHER. THERE WILL BE NO DIRECT PAYMENT FOR FURNISHING, MAINTENANCE, OR REMOVAL OF THIS BARRIER. UNITS MUST BE SECURED TO PVC.
2. ALL BARRICADES SHALL DELINEATE THE AREA TO BE PROTECTED AND THE BARRICADE LINE SHALL EXTEND TO 10' OFF THE EDGE OF EITHER SIDE OF ANY PAVEMENT.
3. ALL BARRICADES SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR.

1 / C14.01 AIRFIELD BARRICADE DETAIL

SCALE: N.T.S.

LEGEND

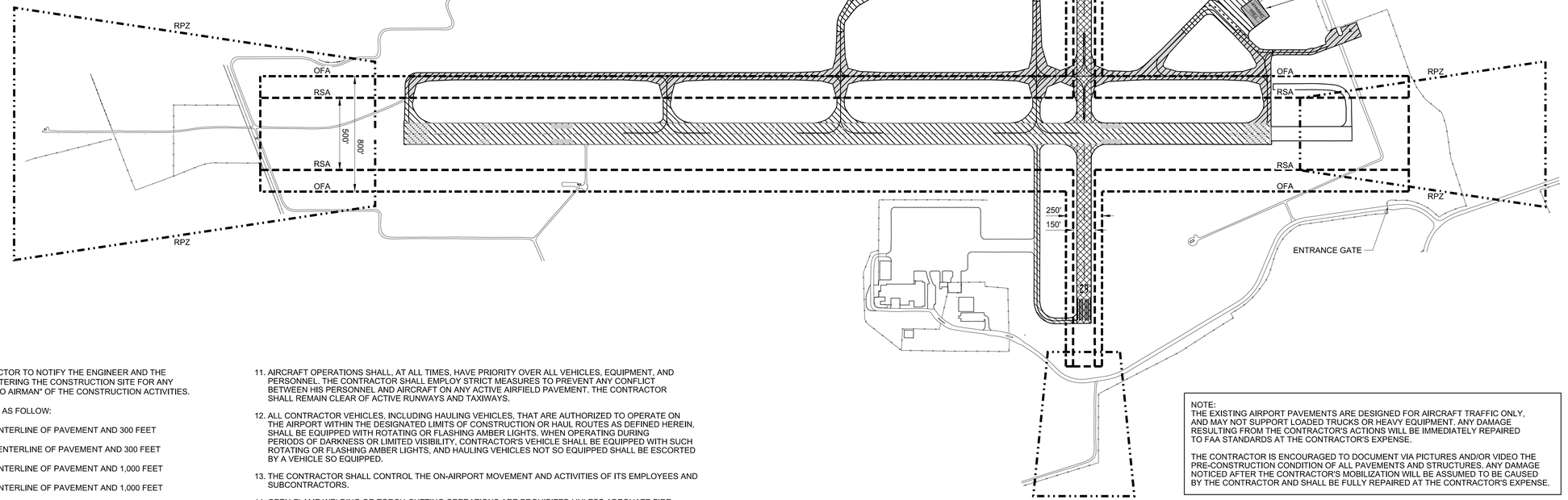
- RUNWAY SAFETY AREA
- RUNWAY OBJECT FREE AREA
- RUNWAY PROTECTION ZONE
- HAUL ROUTE
- AREA FOR CRACK REPAIR, SEAL COAT, & MARKINGS
- AREA FOR CRACK REPAIR & MARKINGS ONLY (SEE NOTE)
- AREA FOR SEAL COAT & MARKINGS ONLY

NOTE:
RUNWAY 2/20 WILL RECEIVE PARTIAL MARKINGS.
SEE DETAIL SHEETS FOR FURTHER INSTRUCTIONS.

PROJECT PHASING PLAN

PHASE ONE: (22 CALENDAR DAYS)
-APRON & TAXIWAYS (OUTSIDE RSA)
CRACK REPAIR, SEAL COAT, AND MARKINGS

PHASE TWO: (22 CALENDAR DAYS)
-RUNWAY 2/20 CRACK REPAIR AND MARKINGS ONLY
-RUNWAY 11/29 SEAL COAT AND MARKINGS
-TAXIWAY (INSIDE RSA) CRACK REPAIR, SEAL COAT, AND MARKINGS



NOTE:
THE EXISTING AIRPORT PAVEMENTS ARE DESIGNED FOR AIRCRAFT TRAFFIC ONLY, AND MAY NOT SUPPORT LOADED TRUCKS OR HEAVY EQUIPMENT. ANY DAMAGE RESULTING FROM THE CONTRACTOR'S ACTIONS WILL BE IMMEDIATELY REPAIRED TO FAA STANDARDS AT THE CONTRACTOR'S EXPENSE.

THE CONTRACTOR IS ENCOURAGED TO DOCUMENT VIA PICTURES AND/OR VIDEO THE PRE-CONSTRUCTION CONDITION OF ALL PAVEMENTS AND STRUCTURES. ANY DAMAGE NOTICED AFTER THE CONTRACTOR'S MOBILIZATION WILL BE ASSUMED TO BE CAUSED BY THE CONTRACTOR AND SHALL BE FULLY REPAIRED AT THE CONTRACTOR'S EXPENSE.

LOCAL EMERGENCY PHONE NUMBERS

EMERGENCY: 911
JACKSON POLICE DEPARTMENT: (731) 425-8400
FIRE DEPARTMENT: (731) 425-8343
AIRPORT CRASH UNIT: (731) 423-0995
AIRPORT: (731) 423-0995
CONTROL TOWER: (731) 425-9313
MEDICAL: (731) 422-5000

UTILITY CONTACTS

JACKSON ENERGY AUTHORITY (JEA): (731) 422-7500

LIQUIDATED DAMAGES

$1,000 PER CALENDAR DAY

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SAFETY NOTES

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER AND THE OWNER NO LESS THAN TWO (2) DAYS PRIOR TO ENTERING THE CONSTRUCTION SITE FOR ANY PURPOSE SO THAT THEY MAY PUBLISH "NOTICES TO AIRMAN" OF THE CONSTRUCTION ACTIVITIES.
2. AIRPORT OPERATION SAFETY AREAS ARE DEFINED AS FOLLOW:
   - 2.1. RUNWAY 11/29 RSA - 75 FEET FROM THE CENTERLINE OF PAVEMENT AND 300 FEET BEYOND RUNWAY END.
   - 2.2. RUNWAY 11/29 OFA - 125 FEET FROM THE CENTERLINE OF PAVEMENT AND 300 FEET BEYOND RUNWAY END.
   - 2.3. RUNWAY 2/20 RSA - 250 FEET FROM THE CENTERLINE OF PAVEMENT AND 1,000 FEET BEYOND RUNWAY END.
   - 2.4. RUNWAY 2/20 OFA - 400 FEET FROM THE CENTERLINE OF PAVEMENT AND 1,000 FEET BEYOND RUNWAY END.
   - 2.5. TAXIWAY SAFETY AREA - 39.5' FROM CENTERLINE OF PAVEMENT.
   - 2.6. TAXIWAY OBJECT FREE AREA - 65.5' FROM CENTERLINE OF PAVEMENT.
3. NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR RADIOS, CONSTRUCTION OF AND MAINTENANCE OF HAUL ROUTES AND CONSTRUCTION ENTRANCE, ETC. AS INCLUDED IN THESE NOTES. ALL COSTS ASSOCIATED WITH THESE ITEMS MUST BE INCLUDED IN THE CONTRACT BID PRICES WHICH WOULD MOST LIKELY INCLUDE THEM.
4. THE CONTRACTOR AND PERSONNEL SHALL NOT, AT ANY TIME, BE ON THE RUNWAY, TAXIWAYS, OR MAIN APRON UNLESS THE AIRPORT MANAGER GIVES PRIOR APPROVAL.
5. THE CONTRACTOR SHALL TAKE EXTREME CAUTION AROUND ALL EXISTING AIRPORT EQUIPMENT.
6. THE CONSTRUCTION ENTRANCE, STAGING AREA, EMPLOYEE PARKING, STOCKPILE AREA, WASTE AREA AND BORROW AREA SHALL BE COORDINATED WITH THE AIRPORT MANAGER.
7. THE CONTRACTOR SHALL HAVE SOMEONE ON 24-HOUR CALL FOR EMERGENCY MAINTENANCE OF AIRPORT HAZARD LIGHTING , BARRICADES, AND OTHER EMERGENCIES WHICH MAY ARISE AS A RESULT OF WORK.
8. THE CONTRACTOR'S PERSONNEL AND EQUIPMENT SHALL NOT BE PERMITTED OUTSIDE THE CONSTRUCTION WORK LIMITS WITHOUT BEING ESCORTED BY THE OWNER-APPROVED ESCORT.
9. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW THE SAFETY PROVISIONS INCORPORATED IN THE FOLLOWING FEDERAL AVIATION ADMINISTRATION (FAA) DOCUMENTS, WHICH ARE AVAILABLE FOR REVIEW BY DOWNLOADING THE DOCUMENTS ON LINE AT HTTP://WWW.FAA.GOV:
   - 9.1. ADVISORY CIRCULAR NUMBER 150/5370-10H, "STANDARDS FOR SPECIFYING CONSTRUCTION OF AIRPORTS"
   - 9.2. ADVISORY CIRCULAR NUMBER 150/5370-2G, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION"
   - 9.3. ADVISORY CIRCULAR NUMBER 150/5210-5D, "PAINTING, MARKING, AND LIGHTING OF VEHICLES USED ON AN AIRPORT"
10. THE CONTRACTOR SHALL BE REQUIRED TO MINIMIZE DUST CREATED BY CONSTRUCTION ACTIVITIES USING WATER OR OTHER DEVICES. ANY COST ASSOCIATED WITH DUST CONTROL SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. IN THE EVENT DUST WHICH IS CREATED BY CONSTRUCTION ACTIVITIES BECOMES A HAZARD TO AIRFIELD OPERATIONS AND/OR AIRCRAFT NAVIGATION, CONSTRUCTION ACTIVITIES WILL BE SHUT DOWN. THIS SHUTDOWN TIME WILL NOT BE A BASIS FOR CLAIMS FOR ADDITIONAL CONTRACT TIME OR COMPENSATION.
11. AIRCRAFT OPERATIONS SHALL, AT ALL TIMES, HAVE PRIORITY OVER ALL VEHICLES, EQUIPMENT, AND PERSONNEL. THE CONTRACTOR SHALL EMPLOY STRICT MEASURES TO PREVENT ANY CONFLICT BETWEEN HIS PERSONNEL AND AIRCRAFT ON ANY ACTIVE AIRFIELD PAVEMENT. THE CONTRACTOR SHALL REMAIN CLEAR OF ACTIVE RUNWAYS AND TAXIWAYS.
12. ALL CONTRACTOR VEHICLES, INCLUDING HAULING VEHICLES, THAT ARE AUTHORIZED TO OPERATE ON THE AIRPORT WITHIN THE DESIGNATED LIMITS OF CONSTRUCTION OR HAUL ROUTES AS DEFINED HEREIN, SHALL BE EQUIPPED WITH ROTATING OR FLASHING AMBER LIGHTS. WHEN OPERATING DURING PERIODS OF DARKNESS OR LIMITED VISIBILITY, CONTRACTOR'S VEHICLE SHALL BE EQUIPPED WITH SUCH ROTATING OR FLASHING AMBER LIGHTS, AND HAULING VEHICLES NOT SO EQUIPPED SHALL BE ESCORTED BY A VEHICLE SO EQUIPPED.
13. THE CONTRACTOR SHALL CONTROL THE ON-AIRPORT MOVEMENT AND ACTIVITIES OF ITS EMPLOYEES AND SUBCONTRACTORS.
14. OPEN-FLAME WELDING OR TORCH-CUTTING OPERATIONS ARE PROHIBITED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS HAVE BEEN APPROVED BY THE OWNER.
15. OPEN TRENCHES, EXCAVATIONS AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHALL BE PROMINENTLY MARKED WITH ORANGE FLAGS AND LIGHTED WITH FLASHING AMBER LIGHT UNITS (ACCEPTABLE TO THE OWNER) DURING HOURS OF RESTRICTED VISIBILITY OR DARKNESS.
16. STOCKPILED MATERIAL SHALL BE CONSTRAINED IN A MANNER TO PREVENT MOVEMENT AS A RESULT OF AIRCRAFT OR WIND.
17. ALL VEHICLES BELONGING TO THE FOREMAN AND SUPERINTENDENT SHALL CONTAIN RADIOS CAPABLE OF TRANSMITTING AND RECEIVING THE UNICOM FREQUENCY OF 122.95 MHZ. NORMAL RADIO COMMUNICATIONS BETWEEN CONTRACTOR WILL NOT BE ALLOWED ON ANY OTHER FAA FREQUENCY.
18. ALL CONSTRUCTION TRAFFIC WHICH CROSSES AIRPORT OPERATIONAL SAFETY AREAS MUST BE CONTROLLED BY FLAGMEN. ALL FLAGMEN CONTROLLING CONSTRUCTION TRAFFIC ACROSS AIRPORT OPERATIONAL AREAS SHALL ALSO BE EQUIPPED WITH A RADIO WHICH WILL OPERATE ON THE UNICOM FREQUENCY OF 122.95 MHZ.
19. THERE SHALL BE A MINIMUM OF TWO (2) RADIOS CAPABLE OF OPERATING ON 122.95 MHZ ON THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION.
20. ANY DAMAGE TO THE EXISTING AIRPORT LIGHTING SYSTEM CAUSED BY CONSTRUCTION OPERATIONS SHALL BE IMMEDIATELY NOTED TO THE OWNER AND REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE AND TO THE OWNER'S SPECIFICATIONS.
21. DEBRIS, WASTE, AND LOOSE MATERIAL CAPABLE OF CAUSING DAMAGE TO AIRCRAFT LANDING GEAR, PROPELLERS AND ROTORS, OR OF BEING INGESTED BY JET ENGINES SHALL NOT BE LEFT ON ACTIVE AIRCRAFT MOVEMENT AREAS. MATERIAL DROPPED WITHIN THESE AREAS SHALL BE REMOVED CONTINUOUSLY DURING WORKING HOURS.
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMING ALL PERSONS UNDER THEIR CONTROL THAT UNAUTHORIZED CONSTRUCTION PERSONNEL FOUND IN RESTRICTED AREAS OF THE AIRPORT SHOWN ON THE SAFETY PLAN ARE SUBJECT TO ARREST FOR A PUNISHABLE FEDERAL OFFENSE AND WILL PROMPTLY AND PERMANENTLY BE REMOVED FROM THE JOB. ALL AREAS INSIDE THE PERIMETER FENCE ARE RESTRICTED. PERSONNEL ARE ONLY AUTHORIZED IN CONSTRUCTION AREAS.
23. THE CONTRACTOR SHALL PERFORM CONSTRUCTION OPERATIONS AS NECESSARY TO MINIMIZE ATTRACTION TO BIRDS CAUSED BY PONDED WATER AND GRASS SEED.
24. THE CONTRACTOR SHALL MAINTAIN ANY FLASHING LIGHTS AND BARRICADES PROVIDED BY THE OWNER ALONG AIRCRAFT APRON EDGES OR WHERE TEMPORARY PAVEMENT CLOSURES OR AIRCRAFT LIMITATIONS ARE REQUIRED. BARRICADES SHALL BE PLACED WITH A MAXIMUM SPACING OF 10' ON CENTER OR AS NOTED ALONG THE AFFECTED PAVEMENT EDGE OR ACROSS THE PAVEMENT OF A CLOSED TAXIWAY. THE CONTRACTOR SHALL DAILY MAINTAIN THE LIGHTS AND BARRICADES IN AN OPERABLE CONDITION FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL FURNISH THE OWNER A CONTACT NUMBER FOR 24-HOUR MAINTENANCE OF LIGHTS AND BARRICADES. NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR BARRICADES. ALL COSTS ASSOCIATED WITH THESE ITEMS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
25. THE CONTRACTOR SHALL COMPLY WITH ALL SECURITY REQUIREMENTS SPECIFIED HEREIN. THE CONTRACTOR SHALL DESIGNATE IN WRITING TO THE OWNER THE NAME OF ITS "CONTRACTOR SECURITY OFFICER". THE CONTRACTOR SECURITY OFFICER SHALL REPRESENT THE CONTRACTOR ON THE SECURITY REQUIREMENTS OF THE CONTRACT.
26. THE CONTRACTOR'S SECURITY OFFICER SHALL BE RESPONSIBLE FOR BRIEFING ALL CONTRACTOR PERSONNEL ON THESE REQUIREMENTS.
27. THE CONTRACTOR SHALL ACQUAINT THEIR SUPERVISORS AND EMPLOYEES WITH THE AIRPORT ACTIVITIES AND OPERATIONS THAT ARE INHERENT AT THIS AIRPORT AND SHALL CONDUCT THEIR CONSTRUCTION ACTIVITIES TO CONFORM TO ALL ROUTINE AND EMERGENCY AIR TRAFFIC REQUIREMENTS AND TO THE GUIDELINES ON SAFETY.
28. CONTRACTOR TO FIELD VERIFY AND PROTECT ALL EXISTING UTILITIES BEFORE CONSTRUCTION WORK BEGINS.
29. ALL LOCATIONS USED FOR HAUL ROUTES, STAGING AREAS, EMPLOYEE PARKING AND MATERIAL STORAGE SHALL BE CLEANED UP WHEN ALL CONSTRUCTION IS COMPLETED.
30. THE CONTRACTOR IS ENCOURAGED TO DOCUMENT VIA PICTURES OR VIDEO THE PRECONSTRUCTION CONDITION OF ALL AIRPORT PAVEMENTS AND STRUCTURES. ANY DAMAGE NOTICED AFTER THE CONTRACTOR'S MOBILIZATION WILL BE ASSUMED TO BE CAUSED BY THE CONTRACTOR AND SHALL BE FULLY REPAIRED AT THE CONTRACTOR'S EXPENSE.
31. SUFFICIENT SWEEPERS AND CLEAN UP EQUIPMENT SHALL BE PROVIDED IN ORDER THAT ALL LOOSE MATERIAL, DEBRIS AND MUD CAN BE REMOVED FROM ALL AIRPORT OPERATIONS AREAS ON A CONTINUOUS BASIS.
32. GATES AT CONSTRUCTION ENTRANCES SHALL REMAIN CLOSED AND LOCKED AT ALL TIMES WHEN THE ENTRANCE IS NOT IN USE BY CONSTRUCTION PERSONNEL.

BARGE DESIGN SOLUTIONS
615 3rd Avenue South // Suite 700 // Nashville, Tennessee 37210
PHONE (615) 254-1500 // FAX (615) 255-6572

JEREMY O'REEN — REGISTERED ENGINEER — No. 121991 — STATE OF TENNESSEE
5/22/19

AIRFIELD SAFETY PLAN & SAFETY NOTES

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
MCKELLAR-SIPES REGIONAL AIRPORT, MKL
JACKSON, TENNESSEE

REVISION INFORMATION			
REV.	DR.	CHK.	DATE
	JKB	JDG	04/26/2019
	JAC	JDG	05/22/2019

ISSUED FOR 90% REVIEW
ISSUED FOR BID

C14.01

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LEGEND



300' 150' 0' 300' 600'

SCALE: 1 INCH = 300 FEET

CRACK REPAIR, SEAL COAT, & MARKINGS

CRACK REPAIR & MARKINGS ONLY (SEE NOTE 4)

AREA FOR SEAL COAT & MARKINGS ONLY

NOTES:

1.ALL AIRFIELD MARKINGS ARE INCLUDED IN THIS PROJECT, EXCEPT RUNWAY 2/20 WILL ONLY RECEIVE PARTIAL MARKINGS. THE MARKINGS TO BE REMARKED INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING: RUNWAY 11/29 SURFACE MARKINGS (ALT #1), TAXIWAY SURFACE MARKINGS, ENHANCED RUNWAY HOLDING POSITIONS, SURFACE PAINTED HOLDING POSITION SIGNS, ENHANCED TAXIWAY CENTERLINE, APRON MARKINGS, TIE-DOWNS, AND HELIPAD MARKINGS.

2.AIRFIELD MARKINGS SHALL FOLLOW THE STANDARDS SET FOR IN ADVISORY CIRCULAR 150/5340-IL "STANDARDS FOR AIRPORT MARKINGS".

3.WORK ON THESE AREAS SHALL ONLY INCLUDE CRACK REPAIR AND MARKINGS. RUNWAY 2/20 SHALL ON RECEIVE PARTIAL MARKINGS. SEE SHEETS C14.03-C14.06 FOR MORE DETAIL.

4. THE FUEL FARM AND HELIPAD CONCRETE SHALL NOT RECEIVE CRACK REPAIR.

5.REPAINTING THE COMPASS ROSE SHALL NOT BE INCLUDED IN THE SCOPE OF THE PROJECT.

SCHEDULE OF QUANTITIES

MCKELLAR-SIPES REGIONAL AIRPORT, MKL

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	158,000
P-101-5.3	AIRFIELD PAVEMENT MARKING REMOVAL	SF	31,300
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	118,000
P-620-5.1	TEMPORARY WHITE PAINT	SF	74,500
P-620-5.2	TEMPORARY YELLOW PAINT	SF	19,600
P-620-5.3	WHITE PAINT WITH REFLECTIVE MEDIA	SF	74,500
P-620-5.4	YELLOW PAINT WITH REFLECTIVE MEDIA	SF	19,600
P-620-5.5	BLACK PAINT WITH REFLECTIVE MEDIA	SF	14,900
P-620-5.6	RED PAINT WITH REFLECTIVE MEDIA	SF	2,900

BARGE DESIGN SOLUTIONS
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No. 121791
STATE OF TENNESSEE
5/22/19

OVERALL SITE LAYOUT PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
MCKELLAR-SIPES REGIONAL AIRPORT, MKL
JACKSON, TENNESSEE

REV.	DR.	CHK.	DATE	REVISION INFORMATION DESCRIPTION
	JKB	JDG	04/26/2019	ISSUED FOR 90% REVIEW
	JAC	JDG	05/22/2019	ISSUED FOR BID

C14.02

FILE NO. 36821-03

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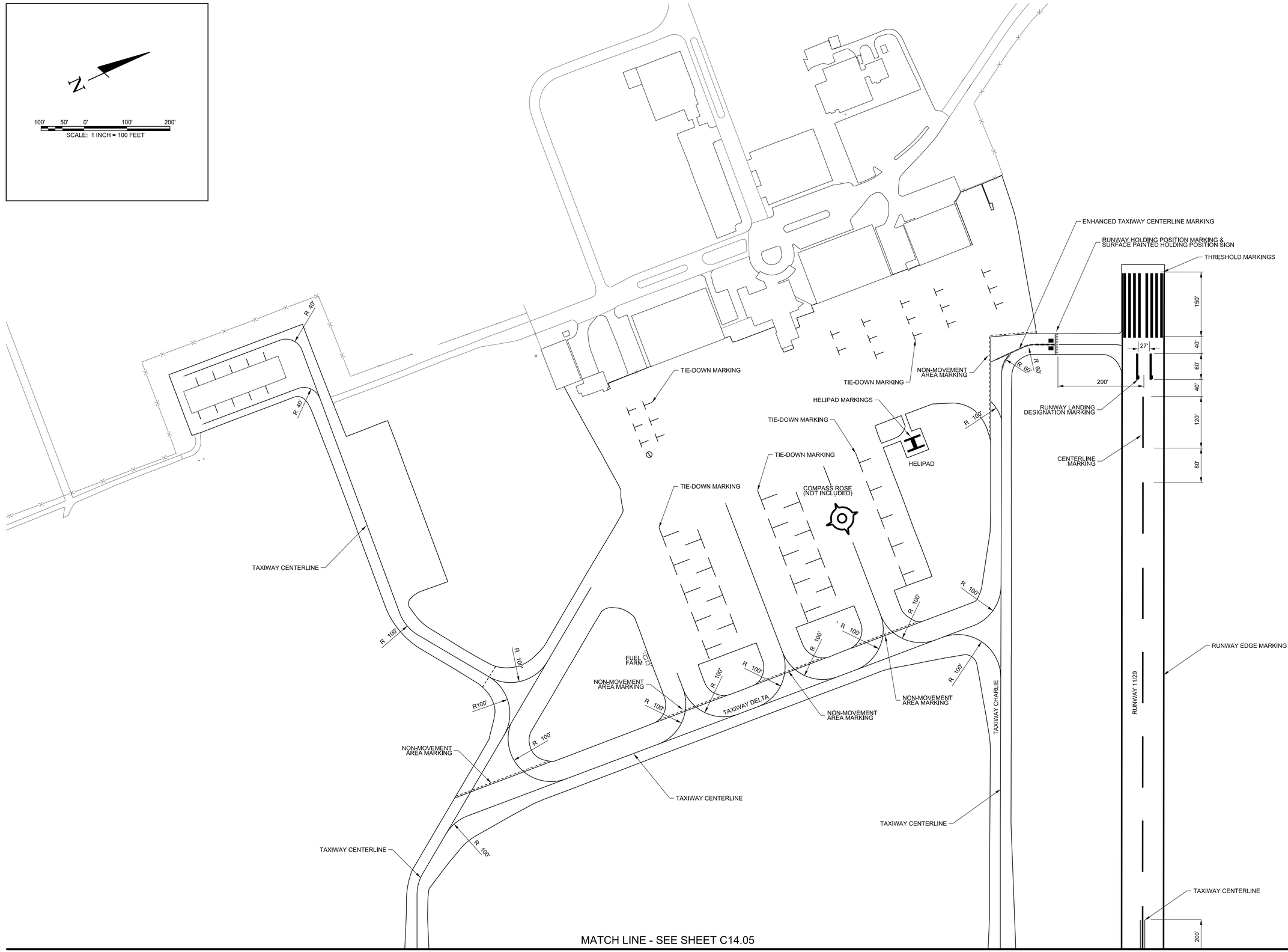
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100' 50' 0' 100' 200'

SCALE: 1 INCH = 100 FEET



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JEREMY GREEN
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STATE OF TENNESSEE
5/22/19

AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
MCKELLAR-SIPES REGIONAL AIRPORT, MKL
JACKSON, TENNESSEE

REV.	DR.	CHK.	DATE	REVISION INFORMATION DESCRIPTION
	JKB	JDG	04/26/2019	ISSUED FOR 90% REVIEW
	JAC	JDG	06/22/2019	ISSUED FOR BID

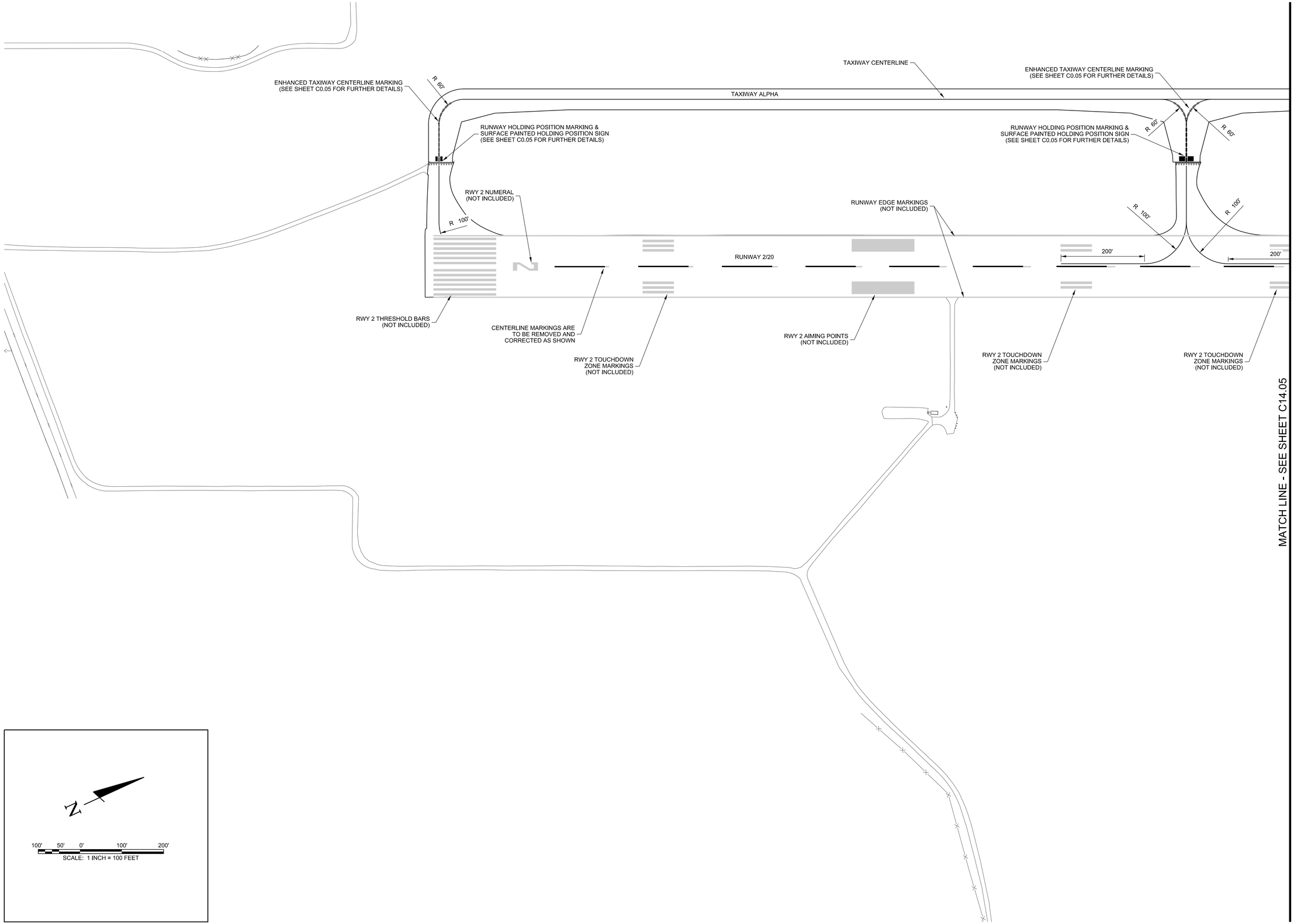
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JEREMY O. GREEN
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No. 121991
STATE OF TENNESSEE
5/22/19

AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
MCKELLAR-SIPES REGIONAL AIRPORT, MKL
JACKSON, TENNESSEE

REVISION INFORMATION

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C14.04

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MATCH LINE - SEE SHEET C14.03

MATCH LINE - SEE SHEET C14.04

MATCH LINE - SEE SHEET C14.06

TAXIWAY ALPHA

TAXIWAY CENTERLINE

R 60'

ENHANCED TAXIWAY CENTERLINE MARKING
(SEE SHEET C0.05 FOR FURTHER DETAILS)

RUNWAY HOLDING POSITION MARKING &
SURFACE PAINTED HOLDING POSITION SIGN
(SEE SHEET C0.05 FOR FURTHER DETAILS)

RUNWAY 2/20
EDGE MARKINGS
(NOT INCLUDED)

R 100'

200'

RUNWAY 2/20

RWY 2 TOUCHDOWN
ZONE MARKINGS
(NOT INCLUDED)

CENTERLINE MARKINGS ARE
TO BE REMOVED AND
CORRECTED AS SHOWN
(SEE SHEET C0.05 FOR FURTHER DETAILS)

RUNWAY EDGE MARKING

ENHANCED TAXIWAY
CENTERLINE MARKING
(SEE SHEET C0.05 FOR
FURTHER DETAILS)

1,000' TO THE
BEGINNING OF
THRESHOLD BARS

150'

30' (TYP.)

72'

RWY 20 AIMING POINTS
ARE TO BE REMOVED AND
CORRECTED AS SHOWN

TAXIWAY CHARLIE

RUNWAY 11/29

CENTERLINE
MARKING

RUNWAY LANDING
DESIGNATION MARKING

THRESHOLD MARKINGS

80'

120'

40'

60'

40'

150'

29

N

100' 50' 0' 100' 200'

SCALE: 1 INCH = 100 FEET

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STATE OF TENNESSEE
5/22/19

AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
MCKELLAR-SIPES REGIONAL AIRPORT, MKL
JACKSON, TENNESSEE

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C14.05

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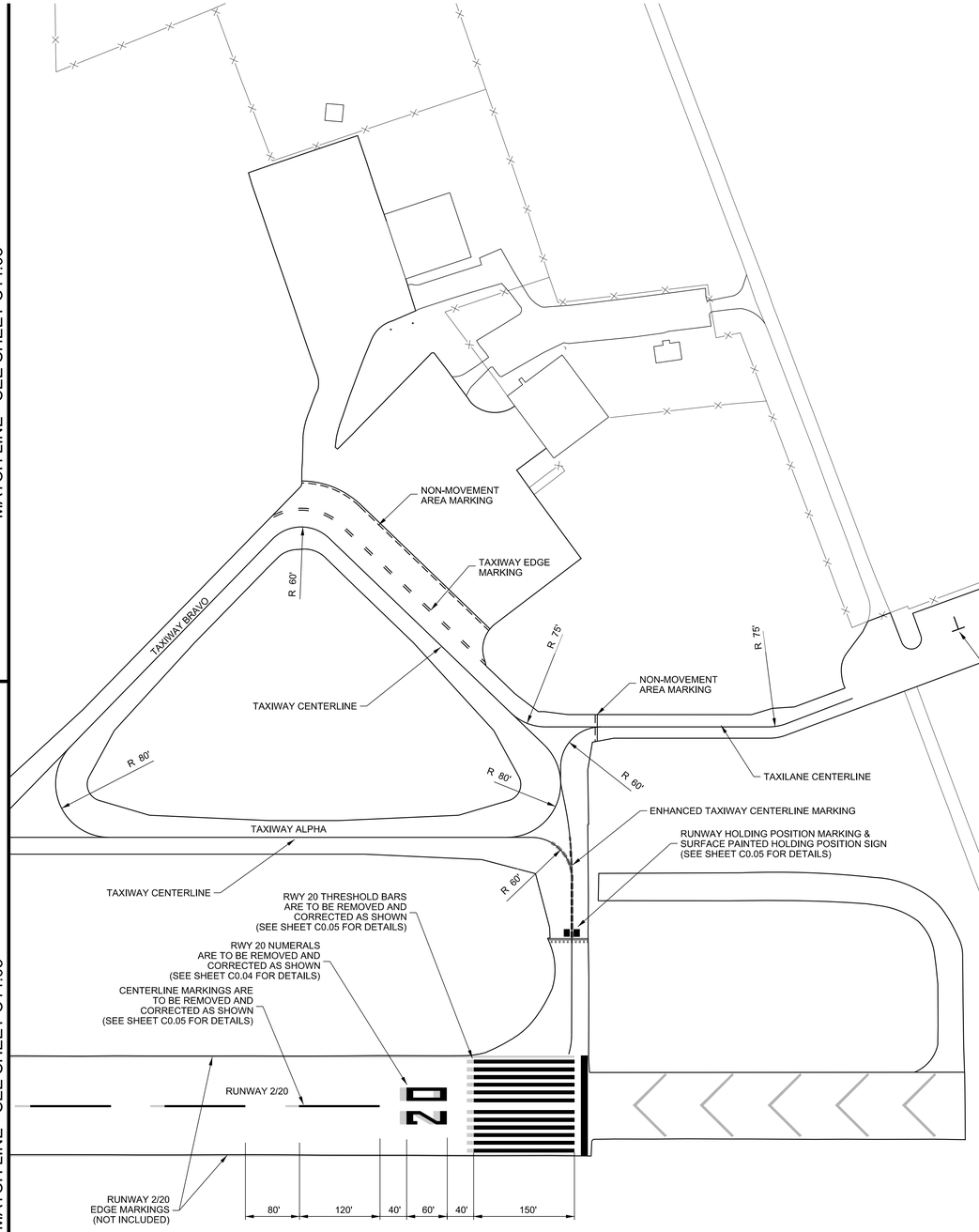
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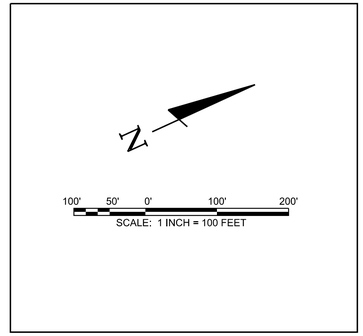
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MATCH LINE - SEE SHEET C14.03

MATCH LINE - SEE SHEET C14.05





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AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
MCKELLAR-SIPES REGIONAL AIRPORT, MKL
JACKSON, TENNESSEE

REVISION INFORMATION			
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	JKB	JDG	04/26/2019
	JAC	JDG	05/22/2019

ISSUED FOR 90% REVIEW
ISSUED FOR BID

C14.06

FILE NO. 36821-03

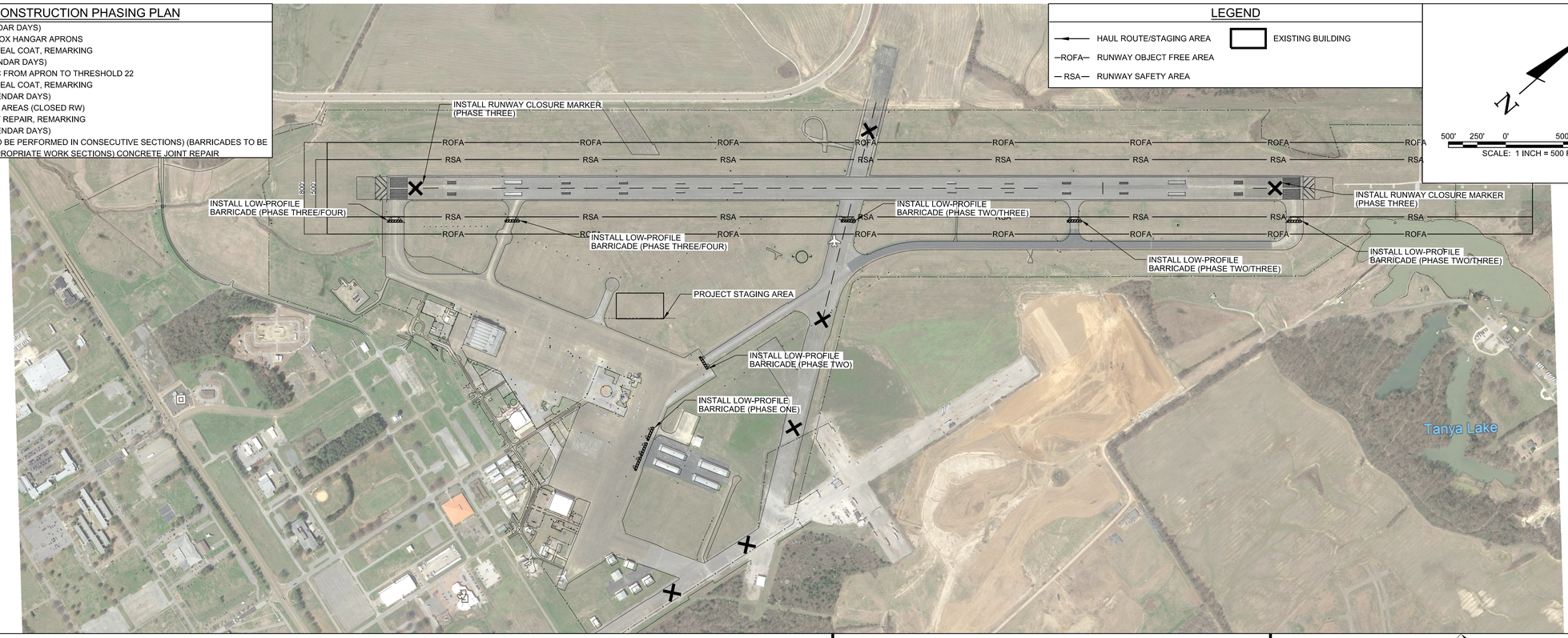
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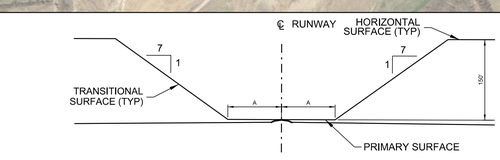
CONSTRUCTION PHASING PLAN

PHASE ONE - (7 CALENDAR DAYS)
T-HANGAR AND BOX HANGAR APRONS
CRACK REPAIR, SEAL COAT, REMARKING
PHASE TWO - (16 CALENDAR DAYS)
TAXIWAY E AND C FROM APRON TO THRESHOLD 22
CRACK REPAIR, SEAL COAT, REMARKING
PHASE THREE - (7 CALENDAR DAYS)
RUNWAY SAFETY AREAS (CLOSED RW)
CONCRETE JOINT REPAIR, REMARKING
PHASE FOUR - (90 CALENDAR DAYS)
APRON (WORK TO BE PERFORMED IN CONSECUTIVE SECTIONS) (BARRICADES TO BE MOVED WITH APPROPRIATE WORK SECTIONS) CONCRETE JOINT REPAIR



CONSTRUCTION SAFETY NOTES

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER AND THE OWNER NOT LESS THAN TWO (2) DAYS PRIOR TO ENTERING THE CONSTRUCTION SITE FOR ANY PURPOSE SO THAT THEY MAY PUBLISH "NOTICES TO AIRMAN" OF THE CONSTRUCTION ACTIVITIES.
2. SUFFICIENT SWEEPERS AND CLEAN UP EQUIPMENT SHALL BE PROVIDED IN ORDER THAT ALL LOOSE MATERIAL, DEBRIS AND MUD CAN BE REMOVED FROM ALL AIRPORT OPERATIONS AREAS ON A CONTINUOUS BASIS.
3. NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR RADIOS, CONSTRUCTION OF AND MAINTENANCE OF HAUL ROUTES AND CONSTRUCTION ENTRANCE, ETC. AS INCLUDED IN THESE NOTES. ALL COSTS ASSOCIATED WITH THESE ITEMS MUST BE INCLUDED IN THE CONTRACT BID PRICES WHICH WOULD MOST LIKELY INCLUDE THEM.
4. THE CONTRACTOR AND PERSONNEL SHALL NOT, AT ANY TIME, BE ON THE RUNWAY OR TAXIWAYS UNLESS THE AIRPORT MANAGER GIVES PRIOR APPROVAL.
5. THE CONTRACTOR SHALL TAKE EXTREME CAUTION AROUND ALL EXISTING AIRPORT EQUIPMENT.
6. THE CONSTRUCTION ENTRANCE, STAGING AREA, EMPLOYEE PARKING, STOCKPILE AREA, WASTE AREA AND BORROW AREA SHALL BE COORDINATED WITH THE AIRPORT MANAGER.
7. THE CONTRACTOR SHALL HAVE A MAN ON 24-HOUR CALL FOR EMERGENCY MAINTENANCE OF AIRPORT HAZARD LIGHTING AND BARRICADES AND OTHER EMERGENCIES WHICH MAY ARISE AS A RESULT OF THIS WORK.
8. THE CONTRACTOR'S PERSONNEL AND EQUIPMENT SHALL NOT BE PERMITTED OUTSIDE THE CONSTRUCTION WORK LIMITS WITHOUT BEING ESCORTED BY THE OWNER APPROVED ESCORT.
9. IT SHALL BE THE RESPONSIBILTY OF THE CONTRACTOR TO REVIEW THE SAFETY PROVISIONS INCORPORATED IN THE FOLLOWING FEDERAL AVIATION ADMINISTRATION (FAA) DOCUMENTS, WHICH ARE AVAILABLE FOR REVIEW BY DOWNLOADING THE DOCUMENTS ON-LINE AT HTTP://WWW.FAA.GOV:
   9.1 ADVISORY CIRCULAR NUMBER 150/5370-10H, "STANDARDS FOR SPECIFYING CONSTRUCTION OF AIRPORTS"
   9.2 ADVISORY CIRCULAR NUMBER 150/5370-2G, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTON"
   9.3 ADVISORY CIRCULAR NUMBER 150/5210-5D, "PAINTING, MARKING, AND LIGHTING OF VEHICLES USED ON AN AIRPORT"
10. THE CONTRACTOR SHALL BE REQUIRED TO MINIMIZE DUST CREATED BY CONSTRUCTION ACTIVITIES USING WATER OR OTHER DEVICES. ANY COST ASSOCIATED WITH DUST CONTROL SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. IN THE EVENT DUST WHICH IS CREATED BY CONSTRUCTION ACTIVITIES BECOMES A HAZARD TO AIRFIELD OPERATIONS AND/OR AIRCRAFT NAVIGATION CONSTRUCTION ACTIVITES WILL BE SHUT DOWN. THIS SHUTDOWN TIME WILL NOT BE A BASIS FOR CLAIMS FOR ADDITIONAL CONTRACT TIME OR COMPENSATION.
11. AIRCRAFT OPERATIONS SHALL AT ALL TIMES HAVE PRIORITY OVER ALL VEHICLES, EQUIPMENT AND PERSONNEL. THE CONTRACTOR SHALL EMPLOY STRICT MEASURES TO PREVENT ANY CONFLICT BETWEEN HIS PERSONNEL AND AIRCRAFT ON ANY ACTIVE AIRFIELD PAVEMENT. THE CONTRACTOR SHALL REMAIN CLEAR OF ACTIVE RUNWAYS AND TAXIWAYS.
12. ALL CONTRACTOR VEHICLES, INCLUDING HAULING VEHICLES, THAT ARE AUTHORIZED TO OPERATE ON THE AIRPORT WITHIN THE DESIGNATED LIMITS OF CONSTRUCTION OR HAUL ROUTES AS DEFINED HEREIN, SHALL DISPLAY IN FULL VIEW ABOVE THE VEHICLE A 3'X3' OR LARGER ORANGE AND WHITE CHECKERBOARD FLAG, EACH CHECKERBOARD COLOR BEING 1' SQUARE. WHEN OPERATING DURING PERIODS OF DARKNESS OR LIMITED VISIBILITY, CONTRACTOR'S VEHICLE SHALL BE EQUIPPED WITH ROTATING OR FLASHING AMBER LIGHTS. DURING SUCH PERIODS, HAULING VEHICLES NOT SO EQUIPPED SHALL BE ESCORTED BY A VEHICLE SO EQUIPPED.
13. CONTRACTOR SHALL CONTROL THE ON-AIRPORT MOVEMENT AND ACTIVITIES OF ITS EMPLOYEES AND SUBCONTRACTORS.
14. OPEN-FLAME WELDING OR TORCH-CUTTING OPERATIONS ARE PROHIBITED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS HAVE BEEN APPROVED BY THE OWNER.
15. OPEN TRENCHES, EXCAVATIONS AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHALL BE PROMINENTLY MARKED WITH ORANGE FLAGS AND LIGHTED WITH FLASHING AMBER LIGHT UNITS (ACCEPTABLE TO THE OWNER) DURING HOURS OF RESTRICTED VISIBILITY OR DARKNESS.
16. STOCKPILED MATERIAL SHALL BE CONSTRAINED IN A MANNER TO PREVENT MOVEMENT AS A RESULT OF AIRCRAFT OR WIND.
17. ANY DAMAGE TO THE EXISTING AIRPORT LIGHTING SYSTEM CAUSED BY CONSTRUCTION OPERATIONS SHALL BE IMMEDIATELY NOTED TO THE OWNER AND REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE AND TO THE OWNER'S SPECIFICATIONS.
18. DEBRIS, WASTE AND LOOSE MATERIAL CAPABLE OF CAUSING DAMAGE TO AIRCRAFT LANDING GEAR, PROPELLERS AND ROTORS, OR OF BEING INGESTED BY JET ENGINES SHALL NOT BE LEFT ON ACTIVE AIRCRAFT MOVEMENT AREAS. MATERIAL DROPPED WITHIN THESE AREAS SHALL BE REMOVED CONTINUOUSLY DURING WORKING HOURS.
19. THE CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY REFLECTORIZED SIGNS TO CLEARLY MARK THE DESIGNATED ACCESS ROUTES TO AFFECTED AREAS OF AIRPORT PROPERTY. CONTRACTOR SHALL CONTROL ACCESS TO THE WORKING AREA BY CONSTRUCTION VEHICLES AS DELINEATED ON THIS PLAN.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMING ALL PERSONS UNDER THEIR CONTROL THAT UNAUTHORIZED CONSTRUCTION PERSONNEL FOUND IN RESTRICTED AREAS OF THE AIRPORT SHOWN ON THE SAFETY PLAN ARE SUBJECT TO ARREST FOR A PUNISHABLE FEDERAL OFFENSE AND WILL PROMPTLY AND PERMANENTLY BE REMOVED FROM THE JOB.
21. THE CONTRACTOR SHALL PROVIDE APPROVED FLAGMAN TO CONTROL ALL CONSTRUCTION TRAFFIC AND APPROVED GATE GUARD TO CONTROL ALL CONSTRUCTION TRAFFIC ENTERING PROJECT.
22. CONTRACTOR SHALL CONTROL AND ESCORT ALL CONSTRUCTION TRAFFIC ENTERING AIRPORT TO PREVENT CONFLICTS WITH AIRCRAFT OPERATIONS.
23. SPECIAL ACCESS REQUIREMENTS AND OPERATING LIMITATIONS ARE REQUIRED INSIDE THE SECURITY FENCE. THE CONTRACTOR SHALL DELINEATE WORK LIMITS WITHIN THESE AREAS USING STAKES WITH FLAGGING AS NOTED. CONFINE ALL CONTRACTOR'S PERSONNEL, EQUIPMENT AND MATERIALS INSIDE THE OWNER'S APPROVED WORK LIMITS.
24. THE CONTRACTOR SHALL PERFORM CONSTRUCTION OPERATIONS AS NECESSARY TO MINIMIZE ATTRACTION TO BIRDS CAUSED BY PONDED WATER AND GRASS SEED.
25. THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN FLASHING LIGHTS AND BARRICADES ALONG AIRCRAFT APRON EDGES OR WHERE TEMPORARY PAVEMENT CLOSURES OR AIRCRAFT LIMITATIONS ARE REQUIRED. BARRICADES SHALL BE SPACED NO MORE THAN 8 FEET ON CENTER OR AS NOTED ALONG THE AFFECTED PAVEMENT EDGE OR ACROSS THE PAVEMENT OF A CLOSED TAXIWAY. THE CONTRACTOR SHALL DAILY MAINTAIN THE LIGHTS AND BARRICADES IN AN OPERABLE CONDITION FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL FURNISH THE OWNER A CONTACT NUMBER FOR 24-HOUR MAINTENANCE OF LIGHTS AND BARRICADES. THE COST FOR BARRICADES AND LIGHTS SHALL BE INCIDENTAL TO THE PROJECT.
26. NO CONSTRUCTION TRAFFIC SHALL ENTER OR CROSS ANY ACTIVE AIRPORT OPERATIONAL AREA EXCEPT UPON AUTHORIZATION BY THE OWNER.
27. REFER TO THE GENERAL NOTES FOR REQUIREMENTS PERTAINING TO STORAGE OF CONSTRUCTION EQUIPMENT AND MATERIALS WHEN NOT IN USE.
28. THE CONTRACTOR SHALL COMPLY WITH ALL SECURITY REQUIREMENTS SPECIFIED HEREIN. THE CONTRACTOR SHALL DESIGNATE IN WRITING TO THE OWNER THE NAME OF ITS "CONTRACTOR SECURITY OFFICER". THE CONTRACTOR SECURITY OFFICER SHALL REPRESENT THE CONTRACTOR ON THE SECURITY REQUIREMENTS OF THE CONTRACT.
29. THE CONTRACTOR'S SECURITY OFFICER SHALL BE RESPONSIBLE FOR BRIEFING ALL CONTRACTOR PERSONNEL ON THESE REQUIREMENTS. CONTRACTOR EMPLOYEES SHALL ATTEND THE OWNER'S SECURITY TRAINING SESSION AND SHALL BE BRIEFED ON THESE REQUIREMENTS PRIOR TO WORKING IN THE CONSTRUCTION AREAS.
30. THE CONTRACTOR SHALL ACQUAINT THEIR SUPERVISORS AND EMPLOYEES WITH THE AIRPORT ACTIVITIES AND OPERATIONS THAT ARE INHERENT AT THIS AIRPORT AND SHALL CONDUCT THEIR CONSTRUCTION ACTIVITIES TO CONFORM TO ALL ROUTINE AND EMERGENCY AIR TRAFFIC REQUIREMENTS AND TO THE GUIDELINES ON SAFETY.
31. CONTRACTOR TO FIELD VERIFY AND PROTECT ALL EXISTING UTILITIES BEFORE CONSTRUCTION WORK BEGINS.
32. ALL LOCATIONS USED FOR HAUL ROUTES, STAGING AREAS, EMPLOYEE PARKING AND MATERIAL STORAGE SHALL BE CLEANED UP WHEN ALL CONSTRUCTION IS COMPLETED.
33. ALL FOREMAN'S SUPERINTENDANT'S VEHICLES SHALL CONTAIN RADIOS CAPABLE OF TRANSMITTING AND RECEIVING THE UNICOM FREQUENCY OF 122.95. NORMAL RADIO COMMUNICATIONS BETWEEN CONTRACTOR PERSONNEL WILL NOT BE ALLOWED ON THE UNICOM FREQUENCY OF 122.95 OR ANY OTHER FAA FREQUENCY. THE CONTRACTOR IS REQUIRED TO MONITOR THE AIRPORT FREQUENCY WHENEVER THEIR FORCES ARE ON AIRPORT PROPERTY, WHETHER OR NOT THE RUNWAY IS OPEN OR CLOSED.
34. THE CONTRACTOR IS ENCOURAGED TO DOCUMENT VIA PICTURES AND/OR VIDEO THE PRE-CONSTRUCTION CONDITION OF ALL PAVEMENTS AND STRUCTURES. ANY DAMAGE NOTICED AFTER THE CONTRACTOR'S MOBILIZATION WILL BE ASSUMED TO BE CAUSED BY THE CONTRACTOR AND SHALL BE FULLY REPAIRED AT THE CONTRACTOR'S EXPENSE.
35. NO EQUIPMENT WILL BE ALLOWED WITHIN 500' OF THE PRIMARY RUNWAY 4-22 CENTERLINE. NO EQUIPMENT WILL BE PARKED OR STORED WITHIN 800' OF THE PRIMARY RUNWAY 4-22 CENTERLINE.
36. NO EQUIPMENT WILL BE ALLOWED WITHIN 39.5' OF THE TAXIWAY'S CENTERLINE. NO EQUIPMENT WILL BE PARKED OR STORED WITHIN 65.5' OF TAXIWAY ALPHA'S CENTERLINE.
37. THE EXISTING AIRPORT PAVEMENTS ARE DESIGNED FOR AIRCRAFT TRAFFIC ONLY, AND MAY NOT SUPPORT LOADED TRUCK OR HEAVY EQUIPMENT. ANY DAMAGE RESULTING FROM THE CONTRACTOR'S ACTIONS WILL BE IMMEDIATELY REPAIRED TO FAA STANDARDS AT THE CONTRACTOR'S EXPENSE.



CROSS SECTION OF RUNWAY

PROFILE

RUNWAY END	A	B	C
4	250'	275.8'	34
22	250'	319.7'	50

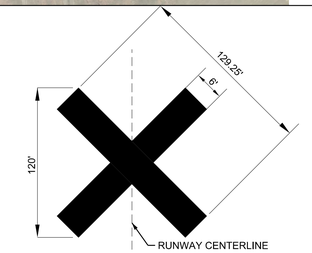
FAR PART 77 SURFACES
DRAWING NOT TO SCALE

NOTE:
THE PART 77 SECTION VIEW IS CENTERED ON THE RUNWAY CENTERLINE AT THE CENTERLINE ELEVATION, AND ON THE EXTENDED RUNWAY CENTERLINE AT THE RUNWAY THRESHOLD ELEVATION TO A POINT 200 FEET BEYOND EACH THRESHOLD. THE SECTION THEN RISES ALONG THE SLOPE INDICATED ON THE PROFILE VIEW.

PAVEMENT	SAFETY AREA WIDTH*
R/W 4-22	500'

*ALL DISTANCES ARE CENTERED ABOUT THE CENTERLINE OF THE AREA LISTED.

SAFETY AREA DIMENSIONS



NOTES:
1. CONTRACTOR SHALL BE REQURIED TO PROVIDE AND MAINTAIN TEMPORARY RUNWAY CLOSURE MARKERS.
2. THE TEMPORARY CLOSED RUNWAY MARKINGS SHALL BE AVIATION YELLOW AND MAY BE CONSTRUCTED OF MATERIAL SUCH AS FABRIC OR PLYWOOD.
3. PLACE MARKINGS AS SHOWN ON THIS SHEET. THE LOCATION OF THE TEMPORARY CLOSED RUNWAY MARKERS SHALL BE PLACED ON THE RUNWAY CENTERLINE.
4. FOR RUNWAYS THAT HAVE BEEN TEMPORARILY CLOSED, PLACE MARKER AT EACH END OF THE RUNWAY DIRECTLY ON OR AS NEAR AS PRACTICABLE TO THE RUNWAY DESIGNATION NUMBERS.
5. FOR A MULTIPLE RUNWAY ENVIRONMENT, IF THE CLOSURE MARKER ON A DESIGNATED NUMBER WILL BE LOCATED IN THE RSA OF AN ADJACENT ACTIVE RUNWAY, LOCATE THE MARKER FARTHER DOWN THE CLOSED RUNWAY TO CLEAR THE RSA OF THE ACTIVE RUNWAY.

1 / C15.01 RUNWAY CLOSURE MARKER
SCALE: N.T.S.

AIRPORT CONTACT INFORMATION:
ROY REMINGTON
8182 HORNET AVENUE, MILLINGTON, TN 38053
(901) 872-7495

LOCAL EMERGENCY PHONE NUMBERS:
EMERGENCY:
911

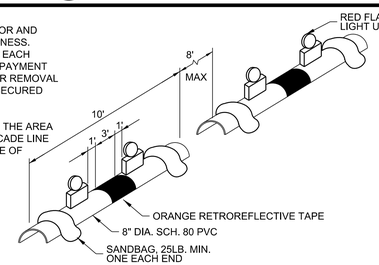
MILLINGTON POLICE DEPARTMENT:
(901) 872-3333

MILLINGTON CITY FIRE DEPARTMENT:
(901) 872-7851

MILLINGTON AIRPORT FIRE STATION
(901) 351-4860

LIQUIDATED DAMAGES:
$1,000 PER CALENDAR DAY

NOTES:
1. CAUTION LIGHTS TO BE RED IN COLOR AND FLASHING DURING HOURS OF DARKNESS. UNITS TO BE PLACED ADJACENT TO EACH OTHER. THERE WILL BE NO DIRECT PAYMENT FOR FURNISHING, MAINTENANCE, OR REMOVAL OF THIS BARRIER. UNITS MUST BE SECURED TO PVC.
2. ALL BARRICADES SHALL DELINEATE THE AREA TO BE PROTECTED AND THE BARRICADE LINE SHALL EXTEND TO 10' OFF THE EDGE OF EITHER SIDE OF ANY PAVEMENT.



2 / C15.01 AIRFIELD BARRICADE DETAIL
SCALE: N.T.S.

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615 3rd Avenue South // Suite 700 // Nashville, Tennessee 37210
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JEREMY GREEN — REGISTERED ENGINEER — No. 121991 — STATE OF TENNESSEE
5/22/19

CONSTRUCTION SAFETY & PHASING PLAN (CSPP)
AIRFIELD PAVEMENT AND MARKING MAINTENANCE
MILLINGTON-MEMPHIS AIRPORT, NQA
MILLINGTON, TENNESSEE

REV.	DR.	CHK.	DATE	REVISION INFORMATION
	JKB	JDG	04/26/2019	ISSUED FOR 90% REVIEW
	JAC	JDG	05/22/2019	ISSUED FOR BID

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CONSTRUCTION PHASING PLAN

PHASE ONE: T-HANGAR AND BOX HANGAR APRONS
CRACK REPAIR, SEAL COAT, REMARKING

PHASE TWO: TAXIWAY E AND C FROM APRON TO THRESHOLD 22
CRACK REPAIR, SEAL COAT, REMARKING

PHASE THREE: RUNWAY SAFETY AREAS (CLOSED RW)
CONCRETE JOINT REPAIR, REMARKING

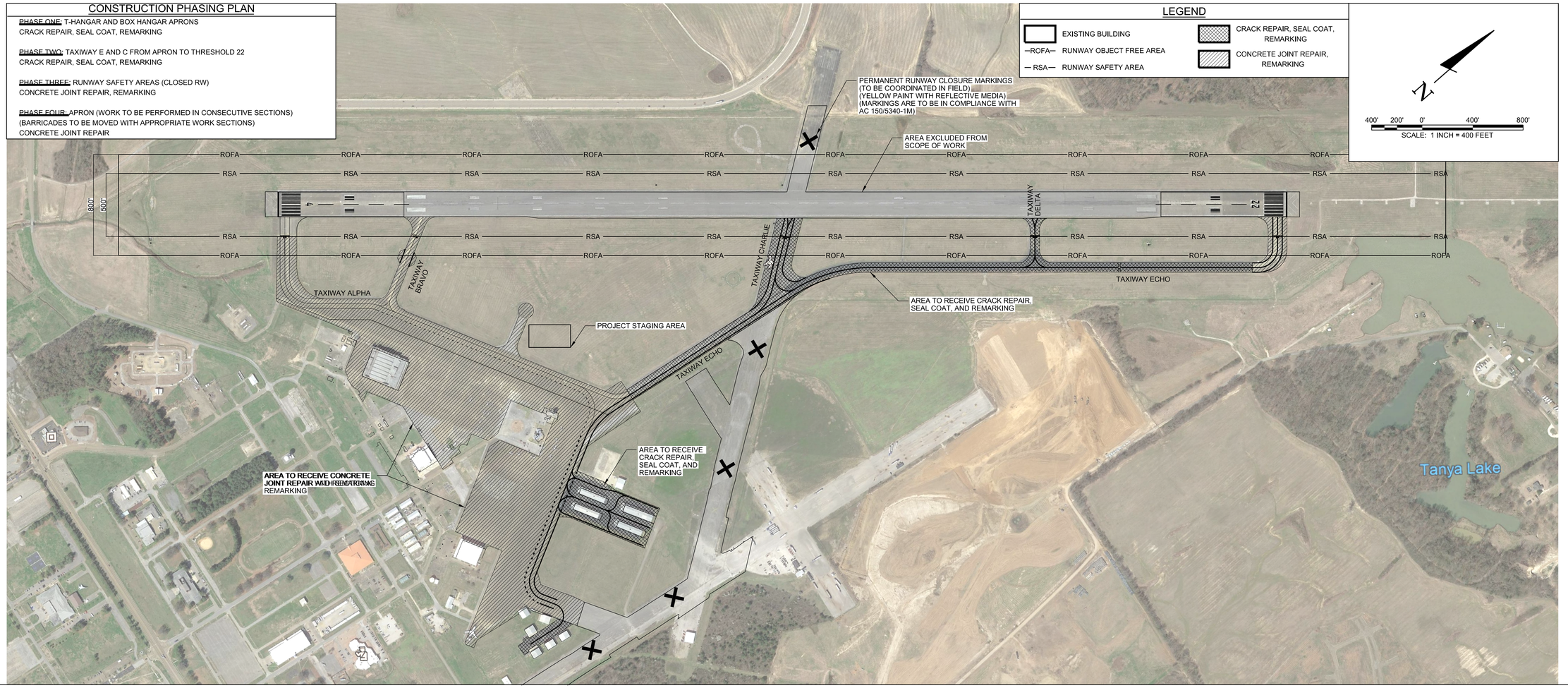
PHASE FOUR: APRON (WORK TO BE PERFORMED IN CONSECUTIVE SECTIONS)
(BARRICADES TO BE MOVED WITH APPROPRIATE WORK SECTIONS)
CONCRETE JOINT REPAIR

LEGEND

- EXISTING BUILDING
- ROFA — RUNWAY OBJECT FREE AREA
- RSA — RUNWAY SAFETY AREA
- CRACK REPAIR, SEAL COAT, REMARKING
- CONCRETE JOINT REPAIR, REMARKING

N

400' 200' 0' 400' 800'
SCALE: 1 INCH = 400 FEET



SCHEDULE OF QUANTITIES

MILLINGTON-MEMPHIS AIRPORT, NQA

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	32,200
P-101-5.3	AIRFIELD PAVEMENT MARKING REMOVAL	SF	43,300
P-605-5.1	JOINT SEALING FILLER	LF	522,500
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	70,130
P-620-5.1	TEMPORARY WHITE PAINT	SF	400
P-620-5.2	TEMPORARY YELLOW PAINT	SF	10,150
P-620-5.3	WHITE PAINT WITH REFLECTIVE MEDIA	SF	400
P-620-5.4	YELLOW PAINT WITH REFLECTIVE MEDIA	SF	10,150
P-620-5.5	BLACK PAINT WITH REFLECTIVE MEDIA	SF	8,950
P-620-5.6	RED PAINT WITH REFLECTIVE MEDIA	SF	1,100

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JEREMY GREEN
REGISTERED ENGINEER
No. 121991
STATE OF TENNESSEE
5/22/19

OVERALL SITE LAYOUT PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
MILLINGTON-MEMPHIS AIRPORT, NQA
MILLINGTON, TENNESSEE

REVISION INFORMATION			
REV.	DR.	CHK.	DATE	DESCRIPTION
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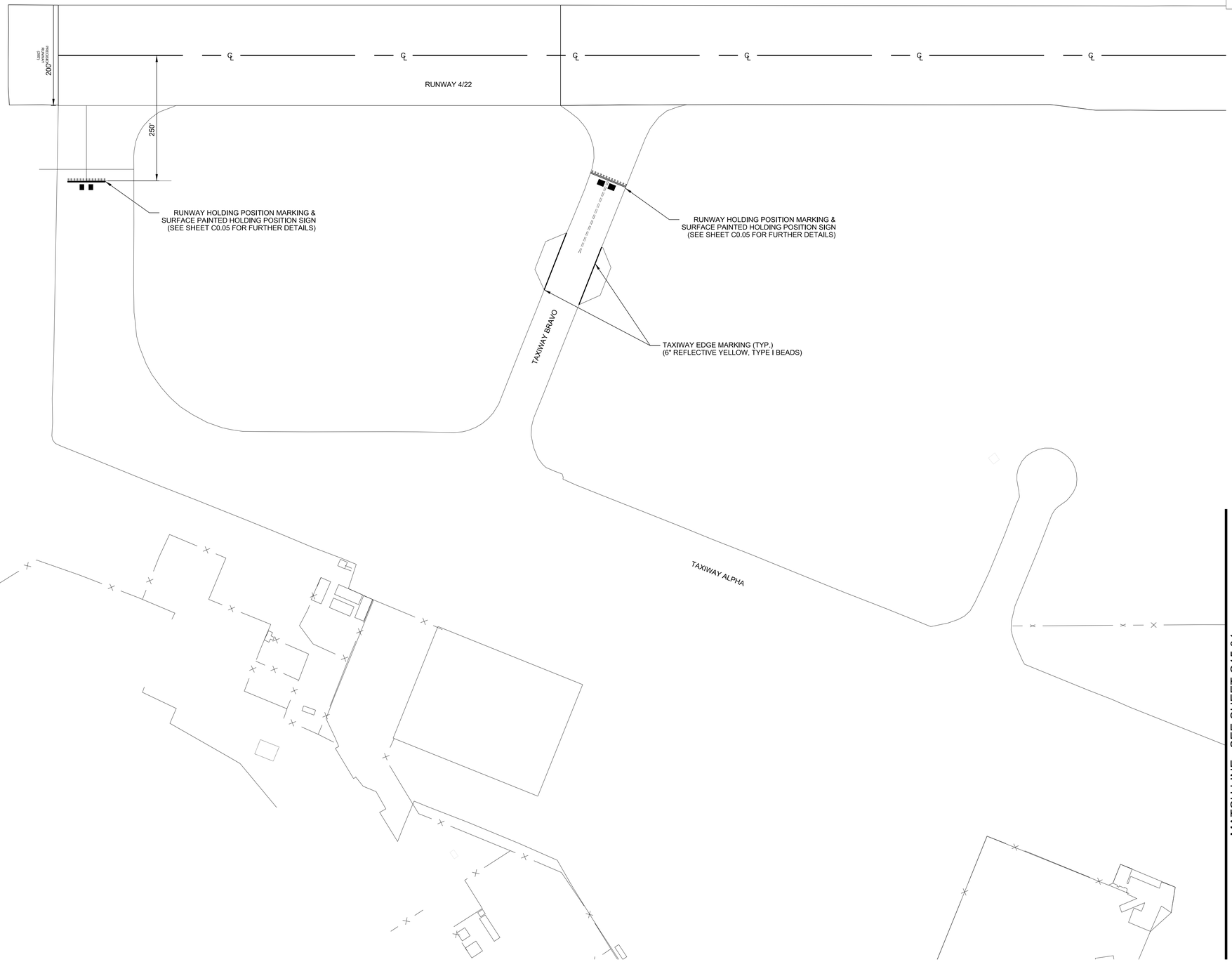
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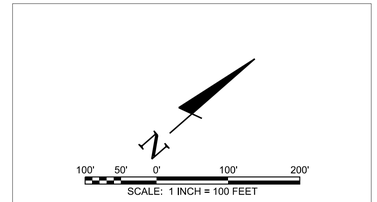
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AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
MILLINGTON-MEMPHIS AIRPORT, NQA
MILLINGTON, TENNESSEE

REV.	DR.	CHK.	DATE	REVISION INFORMATION DESCRIPTION
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C15.03

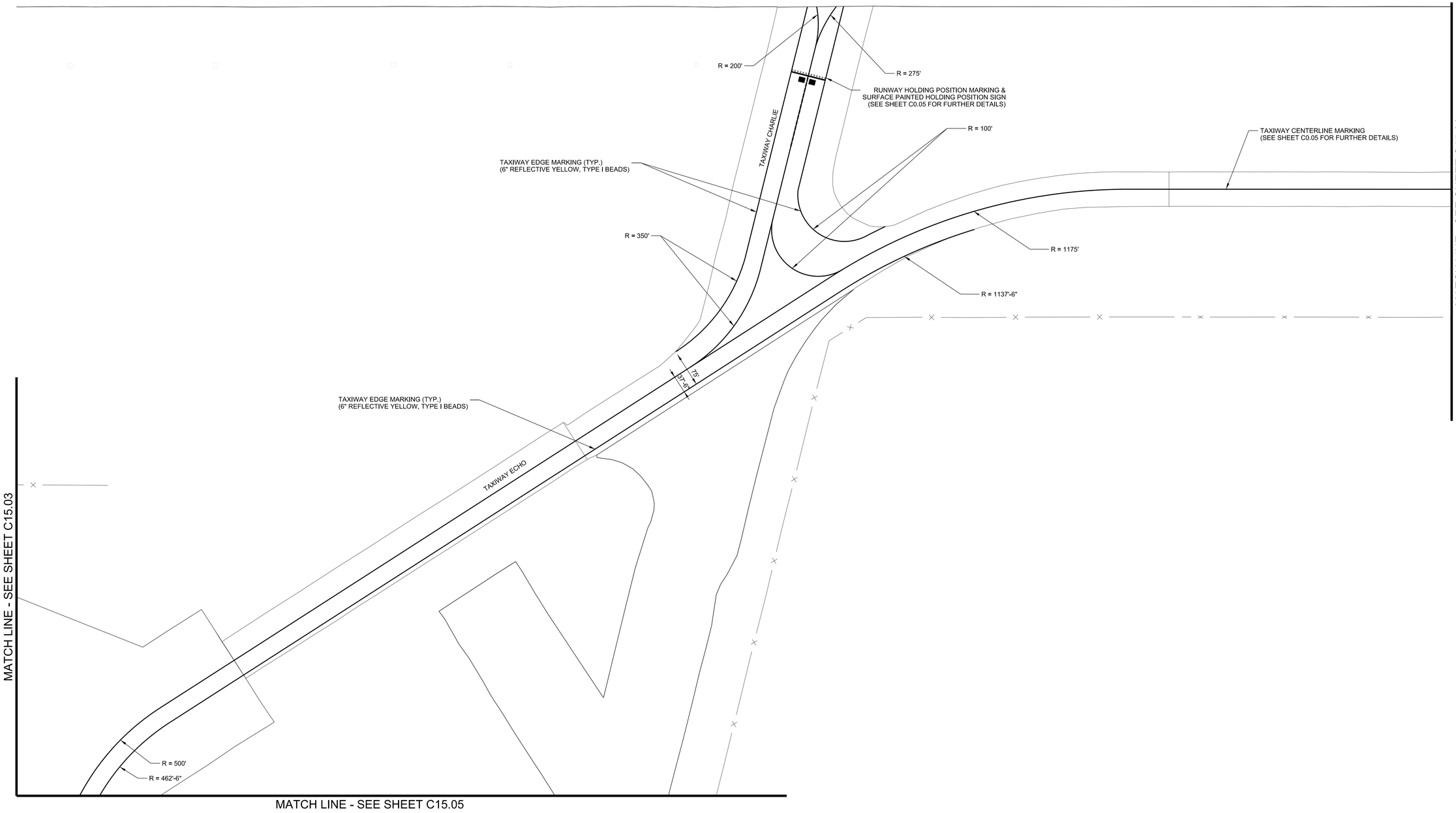
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RUNWAY 4/22



MATCH LINE - SEE SHEET C15.03

MATCH LINE - SEE SHEET C15.05

MATCH LINE - SEE SHEET C15.06

100' 50' 0' 100' 200'

SCALE: 1 INCH = 100 FEET

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JEREMY GREEN
REGISTERED ENGINEER
No. 121791
STATE OF TENNESSEE
5/22/19

AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
MILLINGTON-MEMPHIS AIRPORT, NQA
MILLINGTON, TENNESSEE

REV.	DR.	CHK.	DATE	REVISION INFORMATION DESCRIPTION
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C15.04

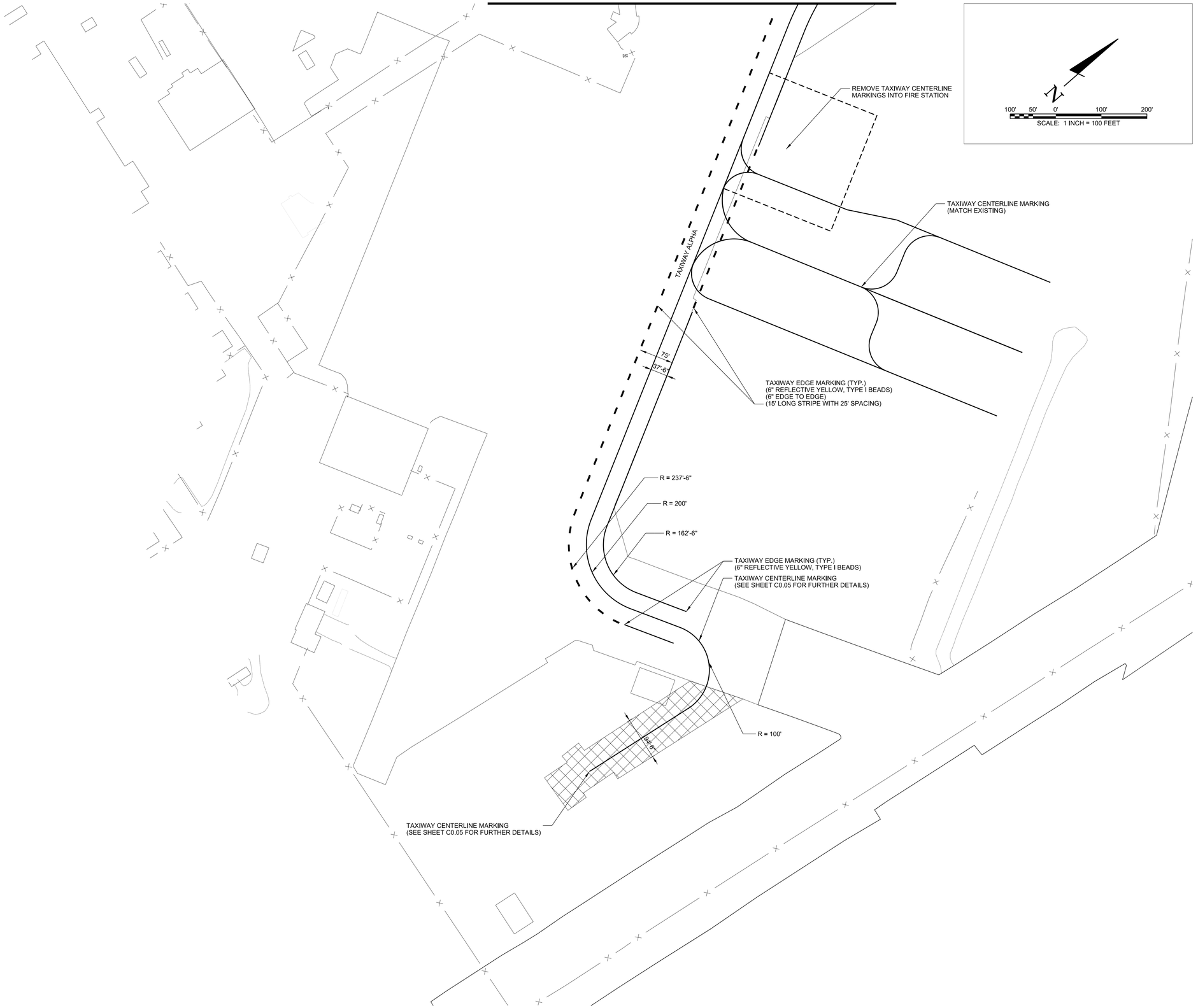
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MATCH LINE - SEE SHEET C15.04



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5/22/19

AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
MILLINGTON-MEMPHIS AIRPORT, NQA
MILLINGTON, TENNESSEE

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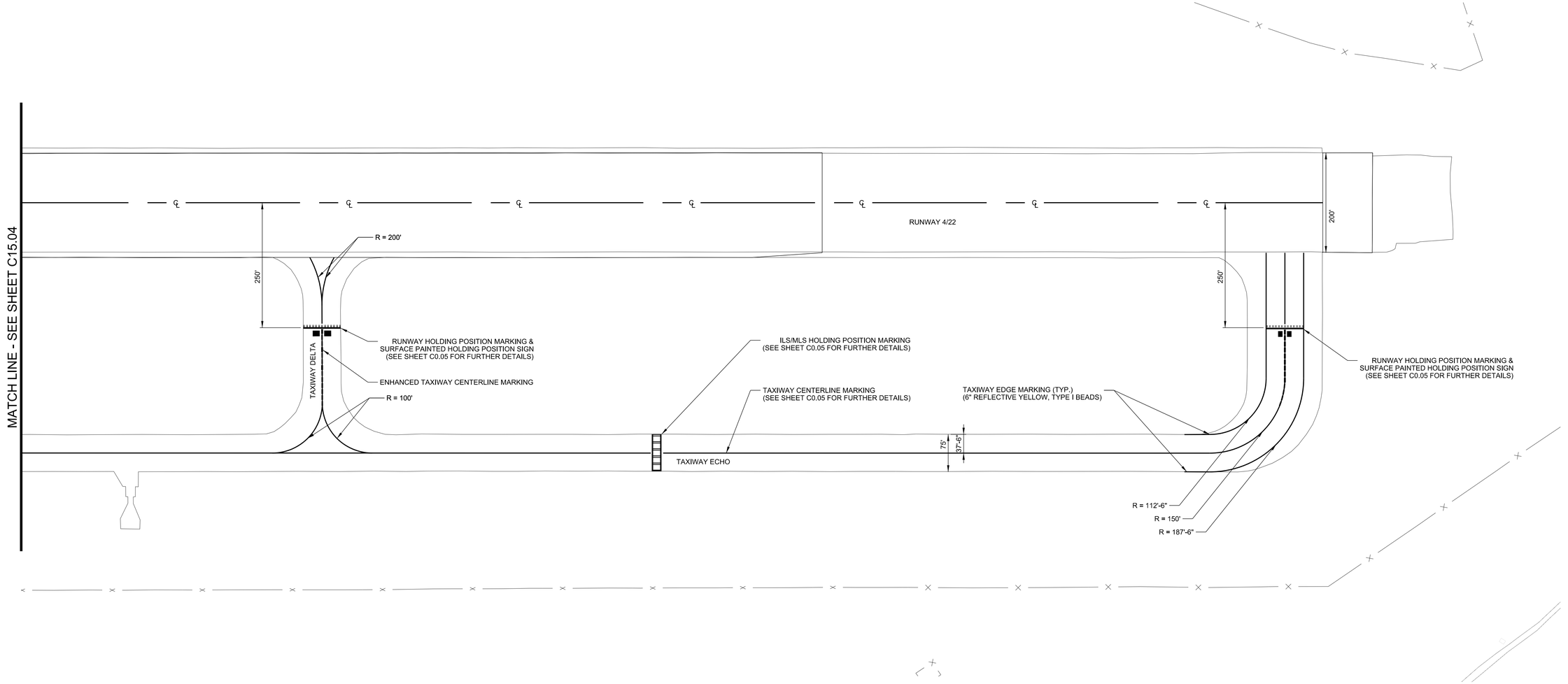
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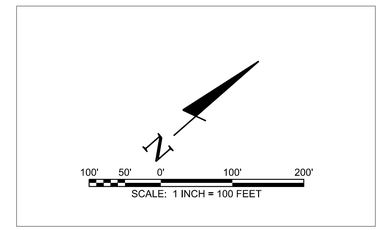
FILE NO. 36821-03

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No. 121991
STATE OF TENNESSEE
5/22/19

AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
MILLINGTON-MEMPHIS AIRPORT, NQA
MILLINGTON, TENNESSEE

REVISION INFORMATION			
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C15.06

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CONSTRUCTION PHASING PLAN

PHASE ONE - RUNWAY (9 CALENDAR DAYS)
CRACK REPAIR, SEAL COAT, REMARKING (RUNWAY CLOSED)

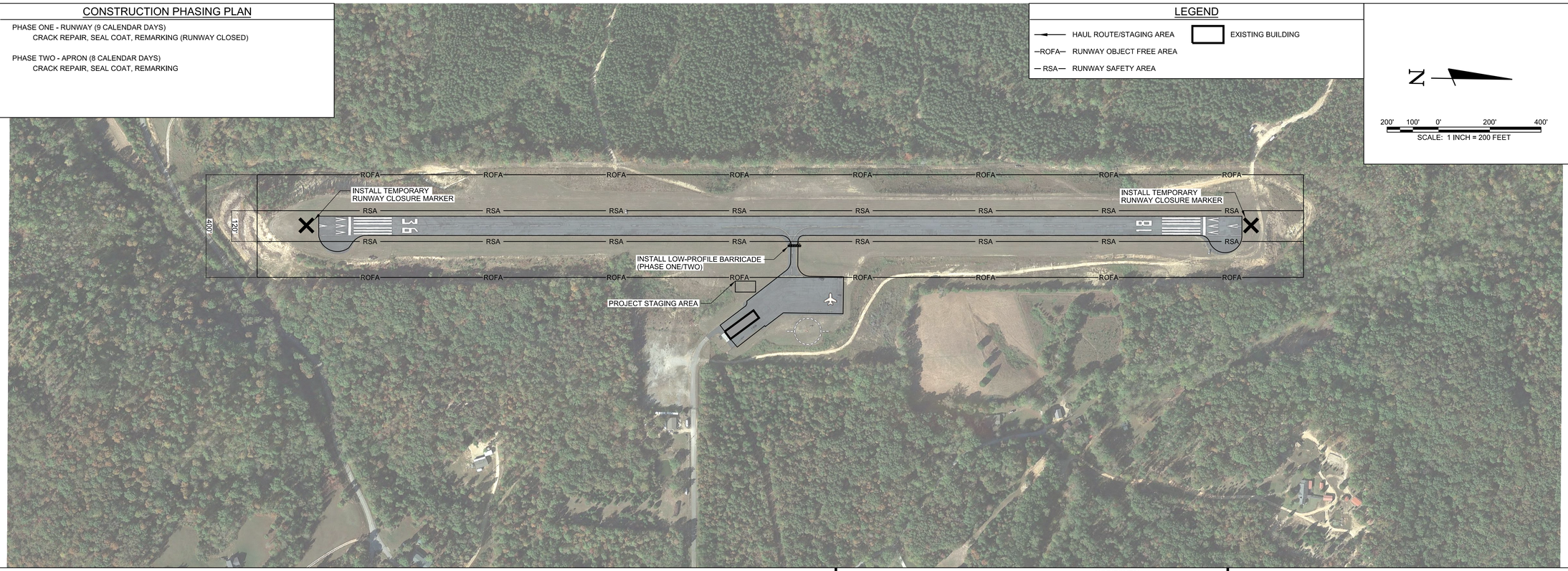
PHASE TWO - APRON (8 CALENDAR DAYS)
CRACK REPAIR, SEAL COAT, REMARKING

LEGEND

HAUL ROUTE/STAGING AREA
EXISTING BUILDING
ROFA RUNWAY OBJECT FREE AREA
RSA RUNWAY SAFETY AREA

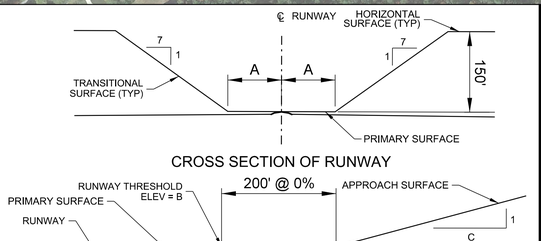
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200' 100' 0' 200' 400'
SCALE: 1 INCH = 200 FEET



CONSTRUCTION SAFETY NOTES

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER AND THE OWNER NOT LESS THAN TWO (2) DAYS PRIOR TO ENTERING THE CONSTRUCTION SITE FOR ANY PURPOSE SO THAT THEY MAY PUBLISH "NOTICES TO AIRMAN" OF THE CONSTRUCTION ACTIVITIES.
2. SUFFICIENT SWEEPERS AND CLEAN UP EQUIPMENT SHALL BE PROVIDED IN ORDER THAT ALL LOOSE MATERIAL, DEBRIS AND MUD CAN BE REMOVED FROM ALL AIRPORT OPERATIONS AREAS ON A CONTINUOUS BASIS.
3. NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR RADIOS, CONSTRUCTION OF AND MAINTENANCE OF HAUL ROUTES AND CONSTRUCTION ENTRANCE, ETC. AS INCLUDED IN THESE NOTES. ALL COSTS ASSOCIATED WITH THESE ITEMS MUST BE INCLUDED IN THE CONTRACT BID PRICES WHICH WOULD MOST LIKELY INCLUDE THEM.
4. THE CONTRACTOR AND PERSONNEL SHALL NOT, AT ANY TIME, BE ON THE RUNWAY OR TAXIWAYS UNLESS THE AIRPORT MANAGER GIVES PRIOR APPROVAL.
5. THE CONTRACTOR SHALL TAKE EXTREME CAUTION AROUND ALL EXISTING AIRPORT EQUIPMENT.
6. THE CONSTRUCTION ENTRANCE, STAGING AREA, EMPLOYEE PARKING, STOCKPILE AREA, WASTE AREA AND BORROW AREA SHALL BE COORDINATED WITH THE AIRPORT MANAGER.
7. THE CONTRACTOR SHALL HAVE A MAN ON 24-HOUR CALL FOR EMERGENCY MAINTENANCE OF AIRPORT HAZARD LIGHTING AND BARRICADES AND OTHER EMERGENCIES WHICH MAY ARISE AS A RESULT OF THIS WORK.
8. THE CONTRACTOR'S PERSONNEL AND EQUIPMENT SHALL NOT BE PERMITTED OUTSIDE THE CONSTRUCTION WORK LIMITS WITHOUT BEING ESCORTED BY THE OWNER APPROVED ESCORT.
9. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW THE SAFETY PROVISIONS INCORPORATED IN THE FOLLOWING FEDERAL AVIATION ADMINISTRATION (FAA) DOCUMENTS, WHICH ARE AVAILABLE FOR REVIEW BY DOWNLOADING THE DOCUMENTS ON-LINE AT HTTP://WWW.FAA.GOV:
   - 9.1 ADVISORY CIRCULAR NUMBER 150/5370-10H, "STANDARDS FOR SPECIFYING CONSTRUCTION OF AIRPORTS"
   - 9.2 ADVISORY CIRCULAR NUMBER 150/5370-2G, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION"
   - 9.3 ADVISORY CIRCULAR NUMBER 150/5210-5D, "PAINTING, MARKING, AND LIGHTING OF VEHICLES USED ON AN AIRPORT"
10. THE CONTRACTOR SHALL BE REQUIRED TO MINIMIZE DUST CREATED BY CONSTRUCTION ACTIVITIES USING WATER OR OTHER DEVICES. ANY COST ASSOCIATED WITH DUST CONTROL SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. IN THE EVENT DUST WHICH IS CREATED BY CONSTRUCTION ACTIVITIES BECOMES A HAZARD TO AIRFIELD OPERATIONS AND/OR AIRCRAFT NAVIGATION CONSTRUCTION ACTIVITES WILL BE SHUT DOWN. THIS SHUTDOWN TIME WILL NOT BE A BASIS FOR CLAIMS FOR ADDITIONAL CONTRACT TIME OR COMPENSATION.
11. AIRCRAFT OPERATIONS SHALL AT ALL TIMES HAVE PRIORITY OVER ALL VEHICLES, EQUIPMENT AND PERSONNEL. THE CONTRACTOR SHALL EMPLOY STRICT MEASURES TO PREVENT ANY CONFLICT BETWEEN HIS PERSONNEL AND AIRCRAFT ON ANY ACTIVE AIRFIELD PAVEMENT. THE CONTRACTOR SHALL REMAIN CLEAR OF ACTIVE RUNWAYS AND TAXIWAYS.
12. ALL CONTRACTOR VEHICLES, INCLUDING HAULING VEHICLES, THAT ARE AUTHORIZED TO OPERATE ON THE AIRPORT WITHIN THE DESIGNATED LIMITS OF CONSTRUCTION OR HAUL ROUTES AS DEFINED HEREIN, SHALL DISPLAY IN FULL VIEW ABOVE THE VEHICLE A 3'X3' OR LARGER ORANGE AND WHITE CHECKERBOARD FLAG. EACH CHECKERBOARD COLOR BEING 1' SQUARE. WHEN OPERATING DURING PERIODS OF DARKNESS OR LIMITED VISIBILITY, CONTRACTOR'S VEHICLE SHALL BE EQUIPPED WITH ROTATING OR FLASHING AMBER LIGHTS. DURING SUCH PERIODS, HAULING VEHICLES NOT SO EQUIPPED SHALL BE ESCORTED BY A VEHICLE SO EQUIPPED.
13. CONTRACTOR SHALL CONTROL THE ON-AIRPORT MOVEMENT AND ACTIVITIES OF ITS EMPLOYEES AND SUBCONTRACTORS.
14. OPEN-FLAME WELDING OR TORCH-CUTTING OPERATIONS ARE PROHIBITED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS HAVE BEEN APPROVED BY THE OWNER.
15. OPEN TRENCHES, EXCAVATIONS AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHALL BE PROMINENTLY MARKED WITH ORANGE FLAGS AND LIGHTED WITH FLASHING AMBER LIGHT UNITS (ACCEPTABLE TO THE OWNER) DURING HOURS OF RESTRICTED VISIBILITY OR DARKNESS.
16. STOCKPILED MATERIAL SHALL BE CONSTRAINED IN A MANNER TO PREVENT MOVEMENT AS A RESULT OF AIRCRAFT OR WIND.
17. ANY DAMAGE TO THE EXISTING AIRPORT LIGHTING SYSTEM CAUSED BY CONSTRUCTION OPERATIONS SHALL BE IMMEDIATELY NOTED TO THE OWNER AND REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE AND TO THE OWNER'S SPECIFICATIONS.
18. DEBRIS, WASTE AND LOOSE MATERIAL CAPABLE OF CAUSING DAMAGE TO AIRCRAFT LANDING GEAR, PROPELLERS AND ROTORS, OR OF BEING INGESTED BY JET ENGINES SHALL NOT BE LEFT ON ACTIVE AIRCRAFT MOVEMENT AREAS. MATERIAL DROPPED WITHIN THESE AREAS SHALL BE REMOVED CONTINUOUSLY DURING WORKING HOURS.
19. THE CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY REFLECTORIZED SIGNS TO CLEARLY MARK THE DESIGNATED ACCESS ROUTES TO AFFECTED AREAS OF AIRPORT PROPERTY. CONTRACTOR SHALL CONTROL ACCESS TO THE WORKING AREA BY CONSTRUCTION VEHICLES AS DELINEATED ON THIS PLAN.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMING ALL PERSONS UNDER THEIR CONTROL THAT UNAUTHORIZED CONSTRUCTION PERSONNEL FOUND IN RESTRICTED AREAS OF THE AIRPORT SHOWN ON THE SAFETY PLAN ARE SUBJECT TO ARREST FOR A PUNISHABLE FEDERAL OFFENSE AND WILL PROMPTLY AND PERMANENTLY BE REMOVED FROM THE JOB.
21. THE CONTRACTOR SHALL PROVIDE APPROVED FLAGMAN TO CONTROL ALL CONSTRUCTION TRAFFIC AND APPROVED GATE GUARD TO CONTROL ALL CONSTRUCTION TRAFFIC ENTERING PROJECT.
22. CONTRACTOR SHALL CONTROL AND ESCORT ALL CONSTRUCTION TRAFFIC ENTERING AIRPORT TO PREVENT CONFLICTS WITH AIRCRAFT OPERATIONS.
23. SPECIAL ACCESS REQUIREMENTS AND OPERATING LIMITATIONS ARE REQUIRED INSIDE THE SECURITY FENCE. THE CONTRACTOR SHALL DELINEATE WORK LIMITS WITHIN THESE AREAS USING STAKES WITH FLAGGING AS NOTED. CONFINE ALL CONTRACTOR'S PERSONNEL, EQUIPMENT AND MATERIALS INSIDE THE OWNER'S APPROVED WORK LIMITS.
24. THE CONTRACTOR SHALL PERFORM CONSTRUCTION OPERATIONS AS NECESSARY TO MINIMIZE ATTRACTION TO BIRDS CAUSED BY PONDED WATER AND GRASS SEED.
25. THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN FLASHING LIGHTS AND BARRICADES ALONG AIRCRAFT APRON EDGES OR WHERE TEMPORARY PAVEMENT CLOSURES OR AIRCRAFT LIMITATIONS ARE REQUIRED. BARRICADES SHALL BE SPACED NO MORE THAN 8 FEET ON CENTER OR AS NOTED ALONG THE AFFECTED PAVEMENT EDGE OR ACROSS THE PAVEMENT OF A CLOSED TAXIWAY. THE CONTRACTOR SHALL DAILY MAINTAIN THE LIGHTS AND BARRICADES IN AN OPERABLE CONDITION FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL FURNISH THE OWNER A CONTACT NUMBER FOR 24-HOUR MAINTENANCE OF LIGHTS AND BARRICADES. THE COST FOR BARRICADES AND LIGHTS SHALL BE INCIDENTAL TO THE PROJECT.
26. NO CONSTRUCTION TRAFFIC SHALL ENTER OR CROSS ANY ACTIVE AIRPORT OPERATIONAL AREA EXCEPT UPON AUTHORIZATION BY THE OWNER.
27. REFER TO THE GENERAL NOTES FOR REQUIREMENTS PERTAINING TO STORAGE OF CONSTRUCTION EQUIPMENT AND MATERIALS WHEN NOT IN USE.
28. THE CONTRACTOR SHALL COMPLY WITH ALL SECURITY REQUIREMENTS SPECIFIED HEREIN. THE CONTRACTOR SHALL DESIGNATE IN WRITING TO THE OWNER THE NAME OF ITS "CONTRACTOR SECURITY OFFICER". THE CONTRACTOR SECURITY OFFICER SHALL REPRESENT THE CONTRACTOR ON THE SECURITY REQUIREMENTS OF THE CONTRACT.
29. THE CONTRACTOR'S SECURITY OFFICER SHALL BE RESPONSIBLE FOR BRIEFING ALL CONTRACTOR PERSONNEL ON THESE REQUIREMENTS. CONTRACTOR EMPLOYEES SHALL ATTEND THE OWNER'S SECURITY TRAINING SESSION AND SHALL BE BRIEFED ON THESE REQUIREMENTS PRIOR TO WORKING IN THE CONSTRUCTION AREAS.
30. THE CONTRACTOR SHALL ACQUAINT THEIR SUPERVISORS AND EMPLOYEES WITH THE AIRPORT ACTIVITIES AND OPERATIONS THAT ARE INHERENT AT THIS AIRPORT AND SHALL CONDUCT THEIR CONSTRUCTION ACTIVITIES TO CONFORM TO ALL ROUTINE AND EMERGENCY AIR TRAFFIC REQUIREMENTS AND TO THE GUIDELINES ON SAFETY.
31. CONTRACTOR TO FIELD VERIFY AND PROTECT ALL EXISTING UTILITIES BEFORE CONSTRUCTION WORK BEGINS.
32. ALL LOCATIONS USED FOR HAUL ROUTES, STAGING AREAS, EMPLOYEE PARKING AND MATERIAL STORAGE SHALL BE CLEANED UP WHEN ALL CONSTRUCTION IS COMPLETED.
33. ALL FOREMAN'S SUPERINTENDANT'S VEHICLES SHALL CONTAIN RADIOS CAPABLE OF TRANSMITTING AND RECEIVING THE UNICOM FREQUENCY OF 122.90. NORMAL RADIO COMMUNICATIONS BETWEEN CONTRACTOR PERSONNEL WILL NOT BE ALLOWED ON THE UNICOM FREQUENCY OF 122.90 OR ANY OTHER FAA FREQUENCY. THE CONTRACTOR IS REQUIRED TO MONITOR THE AIRPORT FREQUENCY WHENEVER THEIR FORCES ARE ON AIRPORT PROPERTY, WHETHER OR NOT THE RUNWAY IS OPEN OR CLOSED.
34. THE CONTRACTOR IS ENCOURAGED TO DOCUMENT VIA PICTURES AND/OR VIDEO THE PRE-CONSTRUCTION CONDITION OF ALL PAVEMENTS AND STRUCTURES, ANY DAMAGE NOTICED AFTER THE CONTRACTOR'S MOBILIZATION WILL BE ASSUMED TO BE CAUSED BY THE CONTRACTOR AND SHALL BE FULLY REPAIRED AT THE CONTRACTOR'S EXPENSE.
35. NO EQUIPMENT WILL BE ALLOWED WITHIN 120' OF THE PRIMARY RUNWAY 18-36 CENTERLINE. NO EQUIPMENT WILL BE PARKED OR STORED WITHIN 400' OF THE PRIMARY RUNWAY 18-36 CENTERLINE.
36. NO EQUIPMENT WILL BE ALLOWED WITHIN 39.5' OF THE TAXIWAY'S CENTERLINE. NO EQUIPMENT WILL BE PARKED OR STORED WITHIN 65.5' OF TAXIWAY ALPHA'S CENTERLINE.
37. THE EXISTING AIRPORT PAVEMENTS ARE DESIGNED FOR AIRCRAFT TRAFFIC ONLY, AND MAY NOT SUPPORT LOADED TRUCK OR HEAVY EQUIPMENT. ANY DAMAGE RESULTING FROM THE CONTRACTOR'S ACTIONS WILL BE IMMEDIATELY REPAIRED TO FAA STANDARDS AT THE CONTRACTOR'S EXPENSE.



CROSS SECTION OF RUNWAY

PROFILE

RUNWAY END	A	B	C
18	60'	738.0'	20
36	60'	710.0'	20

FAR PART 77 SURFACES
DRAWING NOT TO SCALE

NOTE:
THE PART 77 SECTION VIEW IS CENTERED ON THE RUNWAY CENTERLINE AT THE CENTERLINE ELEVATION, AND ON THE EXTENDED RUNWAY CENTERLINE AT THE RUNWAY THRESHOLD ELEVATION TO A POINT 200 FEET BEYOND EACH THRESHOLD. THE SECTION THEN RISES ALONG THE SLOPE INDICATED ON THE PROFILE VIEW.

PAVEMENT	SAFETY AREA WIDTH*
R/W 18-36	120'

*ALL DISTANCES ARE CENTERED ABOUT THE CENTERLINE OF THE AREA LISTED.

SAFETY AREA DIMENSIONS

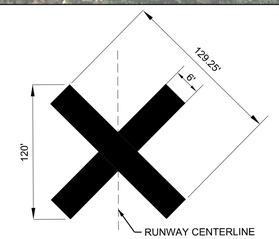
AIRPORT CONTACT INFORMATION:
BOB OUSLEY
COUNTY COURTHOUSE, P.O. BOX 16, LINDEN, TN 37096

LOCAL EMERGENCY PHONE NUMBERS:
EMERGENCY:
911

PERRY COUNTY SHERIFF'S DEPARTMENT:
(931) 295-0303

LINDEN FIRE DEPARTMENT:
(931) 589-3911

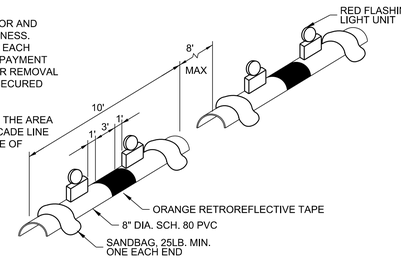
LIQUIDATED DAMAGES:
$1,000 PER CALENDAR DAY



NOTES:
1. CONTRACTOR SHALL BE REQURIED TO PROVIDE AND MAINTAIN TEMPORARY RUNWAY CLOSURE MARKERS.
2. THE TEMPORARY CLOSED RUNWAY MARKINGS SHALL BE AVIATION YELLOW AND MAY BE CONSTRUCTED OF MATERIAL SUCH AS FABRIC OR PLYWOOD.
3. PLACE MARKINGS AS SHOWN ON THIS SHEET. THE LOCATION OF THE TEMPORARY CLOSED RUNWAY MARKERS SHALL BE PLACED ON THE RUNWAY CENTERLINE.
4. FOR RUNWAYS THAT HAVE BEEN TEMPORARILY CLOSED, PLACE MARKER AT EACH END OF THE RUNWAY DIRECTLY ON OR AS NEAR AS PRACTICABLE TO THE RUNWAY DESIGNATION NUMBERS.
5. FOR A MULTIPLE RUNWAY ENVIRONMENT, IF THE CLOSURE MARKER ON A DESIGNATED NUMBER WILL BE LOCATED IN THE RSA OF AN ADJACENT ACTIVE RUNWAY, LOCATE THE MARKER FARTHER DOWN THE CLOSED RUNWAY TO CLEAR THE RSA OF THE ACTIVE RUNWAY.

1 / C16.01 RUNWAY CLOSURE MARKER
SCALE: N.T.S.

NOTES:
1. CAUTION LIGHTS TO BE RED IN COLOR AND FLASHING DURING HOURS OF DARKNESS. UNITS TO BE PLACED ADJACENT TO EACH OTHER. THERE WILL BE NO DIRECT PAYMENT FOR FURNISHING, MAINTENANCE, OR REMOVAL OF THIS BARRIER. UNITS MUST BE SECURED TO PVC.
2. ALL BARRICADES SHALL DELINEATE THE AREA TO BE PROTECTED AND THE BARRICADE LINE SHALL EXTEND TO 10' OFF THE EDGE OF EITHER SIDE OF ANY PAVEMENT.



2 / C16.01 AIRFIELD BARRICADE DETAIL
SCALE: N.T.S.

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5/22/19

CONSTRUCTION SAFETY & PHASING PLAN (CSPP)

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
PERRY COUNTY AIRPORT, M15
LINDEN, TENNESSEE

REV.:	DR.	CHK.	DATE	REVISION INFORMATION
	JKB	JDG	04/26/2019	ISSUED FOR 90% REVIEW
	JAC	JDG	05/22/2019	ISSUED FOR BID

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CONSTRUCTION PHASING PLAN

PHASE ONE - RUNWAY
CRACK REPAIR, SEAL COAT, REMARKING (RUNWAY CLOSED)

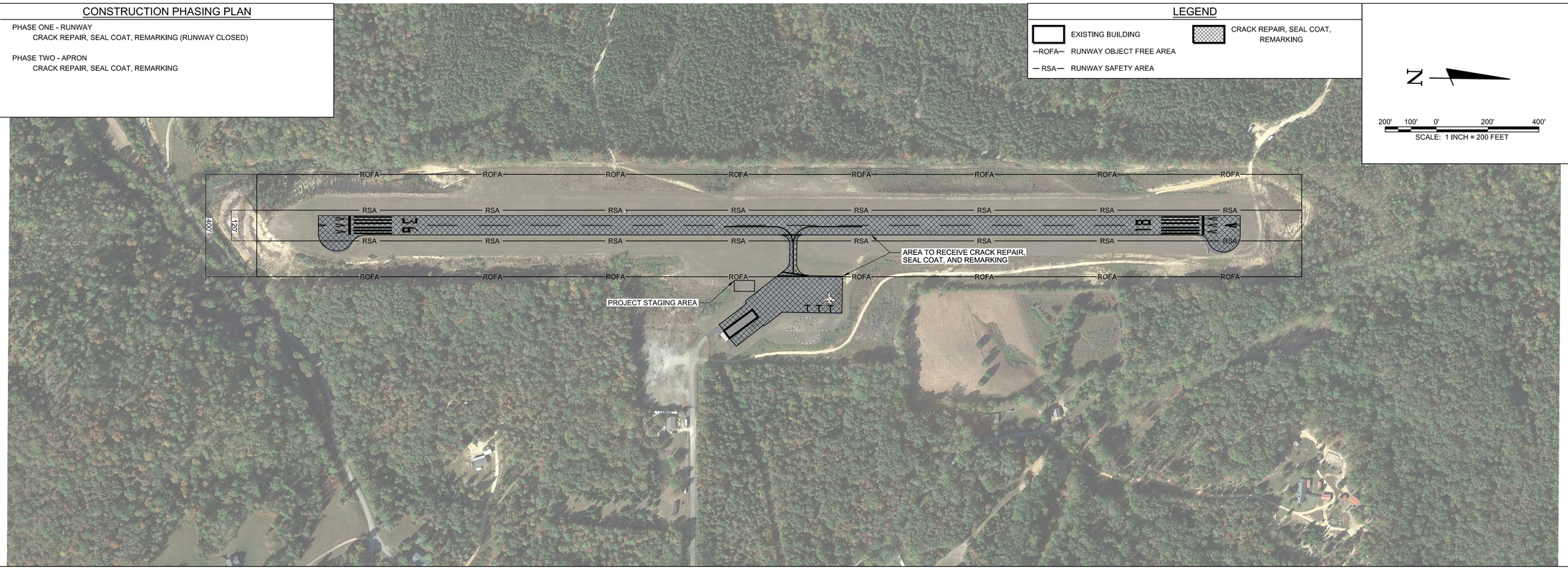
PHASE TWO - APRON
CRACK REPAIR, SEAL COAT, REMARKING

LEGEND

EXISTING BUILDING
CRACK REPAIR, SEAL COAT, REMARKING
ROFA RUNWAY OBJECT FREE AREA
RSA RUNWAY SAFETY AREA

N

200' 100' 0' 200' 400'
SCALE: 1 INCH = 200 FEET



SCHEDULE OF QUANTITIES

PERRY COUNTY AIRPORT, M15

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	52,900
P-101-5.2	CRACK REPAIR (TYPE II)	LF	900
P-101-5.3	AIRFIELD PAVEMENT MARKING REMOVAL	SF	29,400
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	39,000
P-620-5.1	TEMPORARY WHITE PAINT	SF	17,800
P-620-5.2	TEMPORARY YELLOW PAINT	SF	850
P-620-5.3	WHITE PAINT WITH REFLECTIVE MEDIA	SF	17,800
P-620-5.4	YELLOW PAINT WITH REFLECTIVE MEDIA	SF	850

BARGE DESIGN SOLUTIONS
615 3rd Avenue South // Suite 700 // Nashville, Tennessee 37210
PHONE (615) 254-1500 // FAX (615) 255-6572

JEREMY O. GREEN
REGISTERED ENGINEER
NO. 121791
STATE OF TENNESSEE
5/22/19

OVERALL SITE LAYOUT PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
PERRY COUNTY AIRPORT, M15
LINDEN, TENNESSEE

REVISION INFORMATION

REV.	DR.	CHK.	DATE	DESCRIPTION
	JKB	JDG	04/26/2019	ISSUED FOR 90% REVIEW
	JAC	JDG	05/22/2019	ISSUED FOR BID

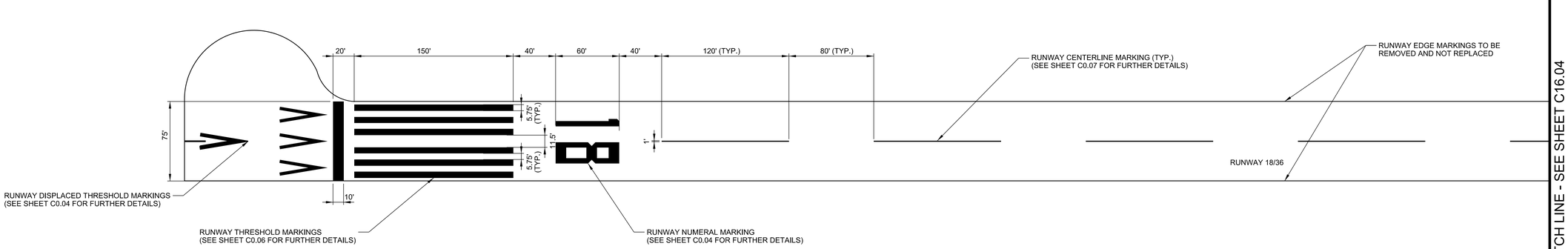
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FILE NO. 36821-03

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MATCH LINE - SEE SHEET C16.04

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50' 25' 0' 50' 100'

SCALE: 1 INCH = 50 FEET

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615 3rd Avenue South // Suite 700 // Nashville, Tennessee 37210
PHONE (615) 254-1500 // FAX (615) 255-6572

JEREMY GREEN
REGISTERED ENGINEER
No. 121791
STATE OF TENNESSEE
5/22/19

AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
PERRY COUNTY AIRPORT, M15
LINDEN, TENNESSEE

REV.	DR.	CHK.	DATE	REVISION INFORMATION DESCRIPTION
	JKB	JDG	04/26/2019	ISSUED FOR 90% REVIEW
	JAC	JDG	05/22/2019	ISSUED FOR BID

C16.03

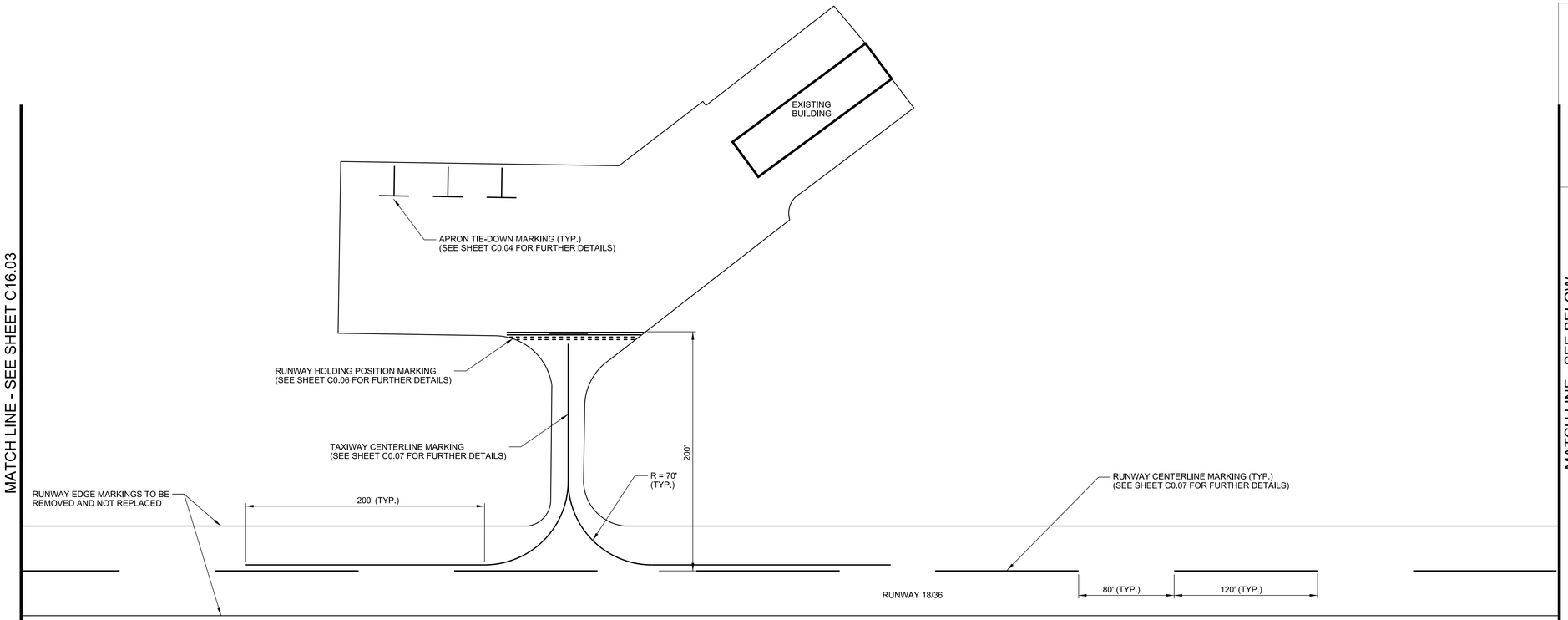
FILE NO. 36821-03

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MATCH LINE - SEE SHEET C16.03



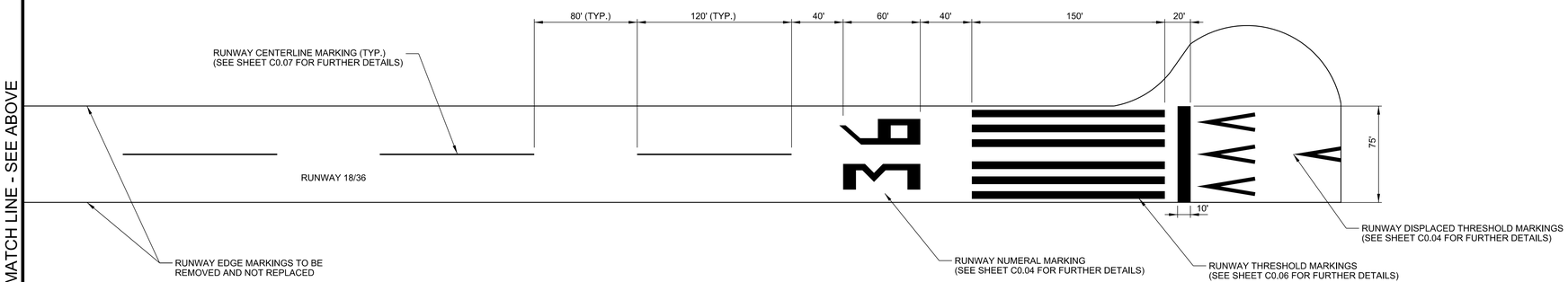
MATCH LINE - SEE BELOW

N

50' 25' 0' 50' 100'

SCALE: 1 INCH = 50 FEET

MATCH LINE - SEE ABOVE



N

50' 25' 0' 50' 100'

SCALE: 1 INCH = 50 FEET

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615 3rd Avenue South // Suite 700 // Nashville, Tennessee 37210
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STATE OF TENNESSEE
5/22/19

AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
PERRY COUNTY AIRPORT, M15
LINDEN, TENNESSEE

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CONSTRUCTION PHASING PLAN

PHASE ONE - T-HANGAR AREAS (4 CALENDAR DAYS)
CRACK REPAIR, SEAL COAT, REMARKING

PHASE TWO - RUNWAY AND CONNECTOR NORTH (3 CALENDAR DAYS)
CRACK REPAIR, SEAL COAT (CONNECTOR ONLY), REMARKING (CONNECTOR ONLY)
(RUNWAY CLOSED) (PHASE TWO SHALL INCLUDE ALL WORK INSIDE THE RSA WHILE THE RUNWAY IS CLOSED)

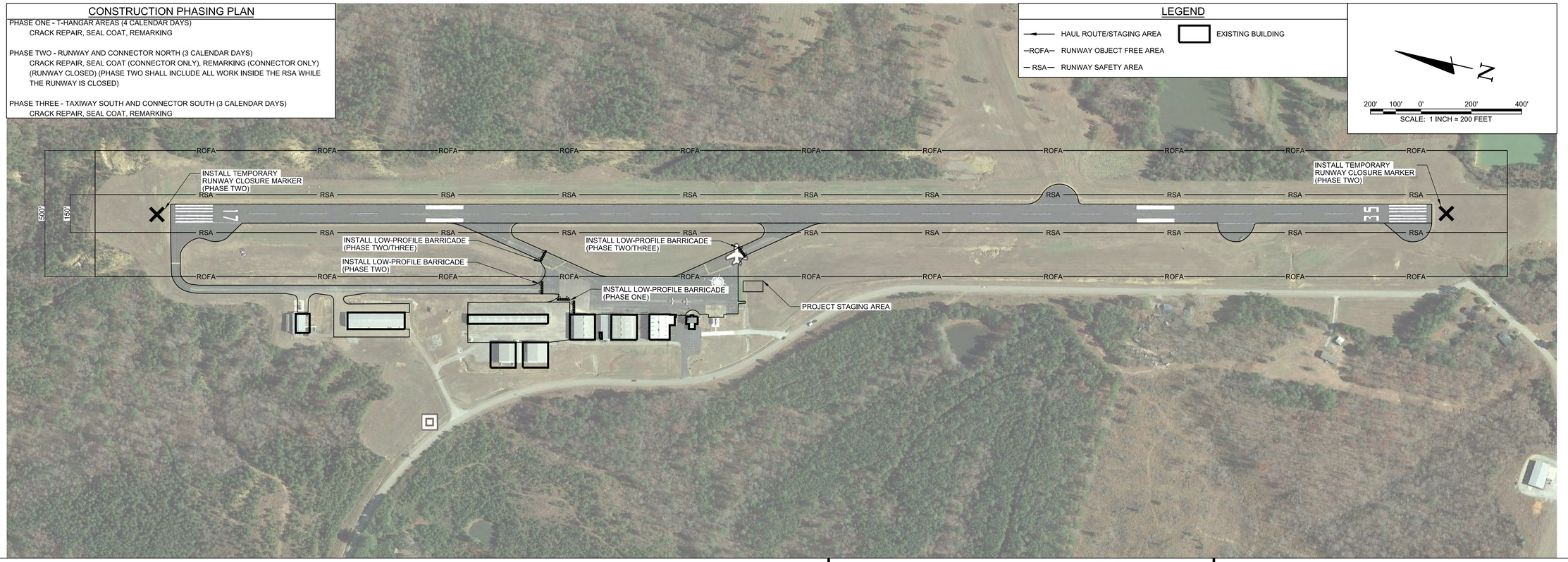
PHASE THREE - TAXIWAY SOUTH AND CONNECTOR SOUTH (3 CALENDAR DAYS)
CRACK REPAIR, SEAL COAT, REMARKING

LEGEND

HAUL ROUTE/STAGING AREA
EXISTING BUILDING
ROFA RUNWAY OBJECT FREE AREA
RSA RUNWAY SAFETY AREA

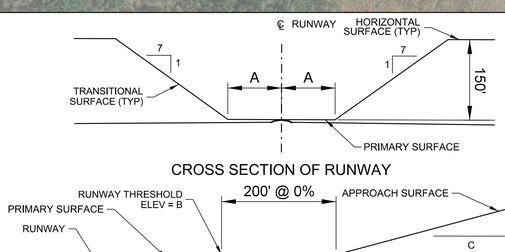
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200' 100' 0' 200' 400'
SCALE: 1 INCH = 200 FEET



CONSTRUCTION SAFETY NOTES

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER AND THE OWNER NOT LESS THAN TWO (2) DAYS PRIOR TO ENTERING THE CONSTRUCTION SITE FOR ANY PURPOSE SO THAT THEY MAY PUBLISH "NOTICES TO AIRMAN" OF THE CONSTRUCTION ACTIVITIES.
2. SUFFICIENT SWEEPERS AND CLEAN UP EQUIPMENT SHALL BE PROVIDED IN ORDER THAT ALL LOOSE MATERIAL, DEBRIS AND MUD CAN BE REMOVED FROM ALL AIRPORT OPERATIONS AREAS ON A CONTINUOUS BASIS.
3. NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR RADIOS, CONSTRUCTION OF AND MAINTENANCE OF HAUL ROUTES AND CONSTRUCTION ENTRANCE, ETC. AS INCLUDED IN THESE NOTES. ALL COSTS ASSOCIATED WITH THESE ITEMS MUST BE INCLUDED IN THE CONTRACT BID PRICES WHICH WOULD MOST LIKELY INCLUDE THEM.
4. THE CONTRACTOR AND PERSONNEL SHALL NOT, AT ANY TIME, BE ON THE RUNWAY OR TAXIWAYS UNLESS THE AIRPORT MANAGER GIVES PRIOR APPROVAL.
5. THE CONTRACTOR SHALL TAKE EXTREME CAUTION AROUND ALL EXISTING AIRPORT EQUIPMENT.
6. THE CONSTRUCTION ENTRANCE, STAGING AREA, EMPLOYEE PARKING, STOCKPILE AREA, WASTE AREA AND BORROW AREA SHALL BE COORDINATED WITH THE AIRPORT MANAGER.
7. THE CONTRACTOR SHALL HAVE A MAN ON 24-HOUR CALL FOR EMERGENCY MAINTENANCE OF AIRPORT HAZARD LIGHTING AND BARRICADES AND OTHER EMERGENCIES WHICH MAY ARISE AS A RESULT OF THIS WORK.
8. THE CONTRACTOR'S PERSONNEL AND EQUIPMENT SHALL NOT BE PERMITTED OUTSIDE THE CONSTRUCTION WORK LIMITS WITHOUT BEING ESCORTED BY THE OWNER APPROVED ESCORT.
9. IT SHALL BE THE RESPONSIBILTY OF THE CONTRACTOR TO REVIEW THE SAFETY PROVISIONS INCORPORATED IN THE FOLLOWING FEDERAL AVIATION ADMINISTRATION (FAA) DOCUMENTS, WHICH ARE AVAILABLE FOR REVIEW BY DOWNLOADING THE DOCUMENTS ON-LINE AT HTTP://WWW.FAA.GOV:
   - 9.1 ADVISORY CIRCULAR NUMBER 150/5370-10H, "STANDARDS FOR SPECIFYING CONSTRUCTION OF AIRPORTS"
   - 9.2 ADVISORY CIRCULAR NUMBER 150/5370-2G, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTON"
   - 9.3 ADVISORY CIRCULAR NUMBER 150/5210-5D, "PAINTING, MARKING, AND LIGHTING OF VEHICLES USED ON AN AIRPORT"
10. THE CONTRACTOR SHALL BE REQUIRED TO MINIMIZE DUST CREATED BY CONSTRUCTION ACTIVITIES USING WATER OR OTHER DEVICES. ANY COST ASSOCIATED WITH DUST CONTROL SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. IN THE EVENT DUST WHICH IS CREATED BY CONSTRUCTION ACTIVITIES BECOMES A HAZARD TO AIRFIELD OPERATIONS AND/OR AIRCRAFT NAVIGATION CONSTRUCTION ACTIVITES WILL BE SHUT DOWN. THIS SHUTDOWN TIME WILL NOT BE A BASIS FOR CLAIMS FOR ADDITIONAL CONTRACT TIME OR COMPENSATION.
11. AIRCRAFT OPERATIONS SHALL AT ALL TIMES HAVE PRIORITY OVER ALL VEHICLES, EQUIPMENT AND PERSONNEL. THE CONTRACTOR SHALL EMPLOY STRICT MEASURES TO PREVENT ANY CONFLICT BETWEEN HIS PERSONNEL AND AIRCRAFT ON ANY ACTIVE AIRFIELD PAVEMENT. THE CONTRACTOR SHALL REMAIN CLEAR OF ACTIVE RUNWAYS AND TAXIWAYS.
12. ALL CONTRACTOR VEHICLES, INCLUDING HAULING VEHICLES, THAT ARE AUTHORIZED TO OPERATE ON THE AIRPORT WITHIN THE DESIGNATED LIMITS OF CONSTRUCTION OR HAUL ROUTES AS DEFINED HEREIN, SHALL DISPLAY IN FULL VIEW ABOVE THE VEHICLE A 3'X3' OR LARGER ORANGE AND WHITE CHECKERBOARD FLAG, EACH CHECKERBOARD COLOR BEING 1' SQUARE, WHEN OPERATING DURING PERIODS OF DARKNESS OR LIMITED VISIBILITY. CONTRACTOR'S VEHICLE SHALL BE EQUIPPED WITH ROTATING OR FLASHING AMBER LIGHTS. DURING SUCH PERIODS, HAULING VEHICLES NOT SO EQUIPPED SHALL BE ESCORTED BY A VEHICLE SO EQUIPPED.
13. CONTRACTOR SHALL CONTROL THE ON-AIRPORT MOVEMENT AND ACTIVITIES OF ITS EMPLOYEES AND SUBCONTRACTORS.
14. OPEN-FLAME WELDING OR TORCH-CUTTING OPERATIONS ARE PROHIBITED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS HAVE BEEN APPROVED BY THE OWNER.
15. OPEN TRENCHES, EXCAVATIONS AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHALL BE PROMINENTLY MARKED WITH ORANGE FLAGS AND LIGHTED WITH FLASHING AMBER LIGHT UNITS (ACCEPTABLE TO THE OWNER) DURING HOURS OF RESTRICTED VISIBILITY OR DARKNESS.
16. STOCKPILED MATERIAL SHALL BE CONSTRAINED IN A MANNER TO PREVENT MOVEMENT AS A RESULT OF AIRCRAFT OR WIND.
17. ANY DAMAGE TO THE EXISTING AIRPORT LIGHTING SYSTEM CAUSED BY CONSTRUCTION OPERATIONS SHALL BE IMMEDIATELY NOTED TO THE OWNER AND REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE AND TO THE OWNER'S SPECIFICATIONS.
18. DEBRIS, WASTE AND LOOSE MATERIAL CAPABLE OF CAUSING DAMAGE TO AIRCRAFT LANDING GEAR, PROPELLERS AND ROTORS, OR OF BEING INGESTED BY JET ENGINES SHALL NOT BE LEFT ON ACTIVE AIRCRAFT MOVEMENT AREAS. MATERIAL DROPPED WITHIN THESE AREAS SHALL BE REMOVED CONTINUOUSLY DURING WORKING HOURS.
19. THE CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY REFLECTORIZED SIGNS TO CLEARLY MARK THE DESIGNATED ACCESS ROUTES TO AFFECTED AREAS OF AIRPORT PROPERTY. CONTRACTOR SHALL CONTROL ACCESS TO THE WORKING AREA BY CONSTRUCTION VEHICLES AS DELINEATED ON THIS PLAN.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMING ALL PERSONS UNDER THEIR CONTROL THAT UNAUTHORIZED CONSTRUCTION PERSONNEL FOUND IN RESTRICTED AREAS OF THE AIRPORT SHOWN ON THE SAFETY PLAN ARE SUBJECT TO ARREST FOR A PUNISHABLE FEDERAL OFFENSE AND WILL PROMPTLY AND PERMANENTLY BE REMOVED FROM THE JOB.
21. THE CONTRACTOR SHALL PROVIDE APPROVED FLAGMAN TO CONTROL ALL CONSTRUCTION TRAFFIC AND APPROVED GATE GUARD TO CONTROL ALL CONSTRUCTION TRAFFIC ENTERING PROJECT.
22. CONTRACTOR SHALL CONTROL AND ESCORT ALL CONSTRUCTION TRAFFIC ENTERING AIRPORT TO PREVENT CONFLICTS WITH AIRCRAFT OPERATIONS.
23. SPECIAL ACCESS REQUIREMENTS AND OPERATING LIMITATIONS ARE REQUIRED INSIDE THE SECURITY FENCE. THE CONTRACTOR SHALL DELINEATE WORK LIMITS WITHIN THESE AREAS USING STAKES WITH FLAGGING AS NOTED. CONFINE ALL CONTRACTOR'S PERSONNEL, EQUIPMENT AND MATERIALS INSIDE THE OWNER'S APPROVED WORK LIMITS.
24. THE CONTRACTOR SHALL PERFORM CONSTRUCTION OPERATIONS AS NECESSARY TO MINIMIZE ATTRACTION TO BIRDS CAUSED BY PONDED WATER AND GRASS SEED.
25. THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN FLASHING LIGHTS AND BARRICADES ALONG AIRCRAFT APRON EDGES OR WHERE TEMPORARY PAVEMENT CLOSURES OR AIRCRAFT LIMITATIONS ARE REQUIRED. BARRICADES SHALL BE SPACED NO MORE THAN 8 FEET ON CENTER OR AS NOTED ALONG THE AFFECTED PAVEMENT EDGE OR ACROSS THE PAVEMENT OF A CLOSED TAXIWAY. THE CONTRACTOR SHALL DAILY MAINTAIN THE LIGHTS AND BARRICADES IN AN OPERABLE CONDITION FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL FURNISH THE OWNER A CONTACT NUMBER FOR 24-HOUR MAINTENANCE OF LIGHTS AND BARRICADES. THE COST FOR BARRICADES AND LIGHTS SHALL BE INCIDENTAL TO THE PROJECT.
26. NO CONSTRUCTION TRAFFIC SHALL ENTER OR CROSS ANY ACTIVE AIRPORT OPERATIONAL AREA EXCEPT UPON AUTHORIZATION BY THE OWNER.
27. REFER TO THE GENERAL NOTES FOR REQUIREMENTS PERTAINING TO STORAGE OF CONSTRUCTION EQUIPMENT AND MATERIALS WHEN NOT IN USE.
28. THE CONTRACTOR SHALL COMPLY WITH ALL SECURITY REQUIREMENTS SPECIFIED HEREIN. THE CONTRACTOR SHALL DESIGNATE IN WRITING TO THE OWNER THE NAME OF ITS "CONTRACTOR SECURITY OFFICER". THE CONTRACTOR SECURITY OFFICER SHALL REPRESENT THE CONTRACTOR ON THE SECURITY REQUIREMENTS OF THE CONTRACT.
29. THE CONTRACTOR'S SECURITY OFFICER SHALL BE RESPONSIBLE FOR BRIEFING ALL CONTRACTOR PERSONNEL ON THESE REQUIREMENTS. CONTRACTOR EMPLOYEES SHALL ATTEND THE OWNER'S SECURITY TRAINING SESSION AND SHALL BE BRIEFED ON THESE REQUIREMENTS PRIOR TO WORKING IN THE CONSTRUCTION AREAS.
30. THE CONTRACTOR SHALL ACQUAINT THEIR SUPERVISORS AND EMPLOYEES WITH THE AIRPORT ACTIVITIES AND OPERATIONS THAT ARE INHERENT AT THIS AIRPORT AND SHALL CONDUCT THEIR CONSTRUCTION ACTIVITIES TO CONFORM TO ALL ROUTINE AND EMERGENCY AIR TRAFFIC REQUIREMENTS AND TO THE GUIDELINES ON SAFETY.
31. CONTRACTOR TO FIELD VERIFY AND PROTECT ALL EXISTING UTILITIES BEFORE CONSTRUCTION WORK BEGINS.
32. ALL LOCATIONS USED FOR HAUL ROUTES, STAGING AREAS, EMPLOYEE PARKING AND MATERIAL STORAGE SHALL BE CLEANED UP WHEN ALL CONSTRUCTION IS COMPLETED.
33. ALL FOREMAN'S SUPERINTENDANT'S VEHICLES SHALL CONTAIN RADIOS CAPABLE OF TRANSMITTING AND RECEIVING THE UNICOM FREQUENCY OF 122.70. NORMAL RADIO COMMUNICATIONS BETWEEN CONTRACTOR PERSONNEL WILL NOT BE ALLOWED ON THE UNICOM FREQUENCY OF 122.70 OR ANY OTHER FAA FREQUENCY. THE CONTRACTOR IS REQUIRED TO MONITOR THE AIRPORT FREQUENCY WHENEVER THEIR FORCES ARE ON AIRPORT PROPERTY, WHETHER OR NOT THE RUNWAY IS OPEN OR CLOSED.
34. THE CONTRACTOR IS ENCOURAGED TO DOCUMENT VIA PICTURES AND/OR VIDEO THE PRE-CONSTRUCTION CONDITION OF ALL PAVEMENTS AND STRUCTURES. ANY DAMAGE NOTICED AFTER THE CONTRACTOR'S MOBILIZATION WILL BE ASSUMED TO BE CAUSED BY THE CONTRACTOR AND SHALL BE FULLY REPAIRED AT THE CONTRACTOR'S EXPENSE.
35. NO EQUIPMENT WILL BE ALLOWED WITHIN 150' OF THE PRIMARY RUNWAY 17-35 CENTERLINE. NO EQUIPMENT WILL BE PARKED OR STORED WITHIN 500' OF THE PRIMARY RUNWAY 17-35 CENTERLINE.
36. NO EQUIPMENT WILL BE ALLOWED WITHIN 39.5' OF THE TAXIWAY'S CENTERLINE. NO EQUIPMENT WILL BE PARKED OR STORED WITHIN 65.5' OF TAXIWAY ALPHA'S CENTERLINE.
37. THE EXISTING AIRPORT PAVEMENTS ARE DESIGNED FOR AIRCRAFT TRAFFIC ONLY, AND MAY NOT SUPPORT LOADED TRUCK OR HEAVY EQUIPMENT. ANY DAMAGE RESULTING FROM THE CONTRACTOR'S ACTIONS WILL BE IMMEDIATELY REPAIRED TO FAA STANDARDS AT THE CONTRACTOR'S EXPENSE.



RUNWAY END	A	B	C
17	75'	602.4'	34
35	75'	609.8'	34

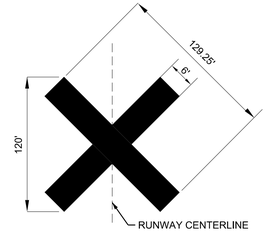
FAR PART 77 SURFACES
DRAWING NOT TO SCALE

NOTE:
THE PART 77 SECTION VIEW IS CENTERED ON THE RUNWAY CENTERLINE AT THE CENTERLINE ELEVATION, AND ON THE EXTENDED RUNWAY CENTERLINE AT THE RUNWAY THRESHOLD ELEVATION TO A POINT 200 FEET BEYOND EACH THRESHOLD. THE SECTION THEN RISES ALONG THE SLOPE INDICATED ON THE PROFILE VIEW.

PAVEMENT	SAFETY AREA WIDTH*
R/W 17-35	150'

*ALL DISTANCES ARE CENTERED ABOUT THE CENTERLINE OF THE AREA LISTED.

SAFETY AREA DIMENSIONS



NOTES:
1. CONTRACTOR SHALL BE REQURIED TO PROVIDE AND MAINTAIN TEMPORARY RUNWAY CLOSURE MARKERS.
2. THE TEMPORARY CLOSED RUNWAY MARKINGS SHALL BE AVIATION YELLOW AND MAY BE CONSTRUCTED OF MATERIAL SUCH AS FABRIC OR PLYWOOD.
3. PLACE MARKINGS AS SHOWN ON THIS SHEET. THE LOCATION OF THE TEMPORARY CLOSED RUNWAY MARKERS SHALL BE PLACED ON THE RUNWAY CENTERLINE.
4. FOR RUNWAYS THAT HAVE BEEN TEMPORARILY CLOSED, PLACE MARKER AT EACH END OF THE RUNWAY DIRECTLY ON OR AS NEAR AS PRACTICABLE TO THE RUNWAY DESIGNATION NUMBERS.
5. FOR A MULTIPLE RUNWAY ENVIRONMENT, IF THE CLOSURE MARKER ON A DESIGNATED NUMBER WILL BE LOCATED IN THE RSA OF AN ADJACENT ACTIVE RUNWAY, LOCATE THE MARKER FARTHER DOWN THE CLOSED RUNWAY TO CLEAR THE RSA OF THE ACTIVE RUNWAY.

1 / C17.01 RUNWAY CLOSURE MARKER
SCALE: N.T.S.

AIRPORT CONTACT INFORMATION:
CHRIS TULL
2282 AIRPORT ROAD, SELMER, TN 38375
(731) 645-3014

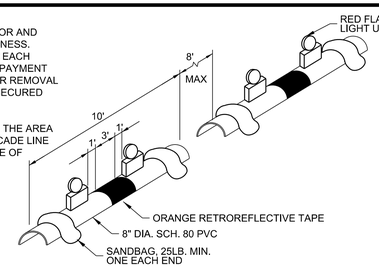
LOCAL EMERGENCY PHONE NUMBERS:
EMERGENCY:
911

McNAIRY COUNTY SHERIFF'S OFFICE:
(731) 645-1004

SELMER FIRE DEPARTMENT:
(731) 646-1788

LIQUIDATED DAMAGES:
$1,000 PER CALENDAR DAY

NOTES:
1. CAUTION LIGHTS TO BE RED IN COLOR AND FLASHING DURING HOURS OF DARKNESS. UNITS TO BE PLACED ADJACENT TO EACH OTHER. THERE WILL BE NO DIRECT PAYMENT FOR FURNISHING, MAINTENANCE, OR REMOVAL OF THIS BARRIER. UNITS MUST BE SECURED TO PVC.
2. ALL BARRICADES SHALL DELINEATE THE AREA TO BE PROTECTED AND THE BARRICADE LINE SHALL EXTEND TO 10' OFF THE EDGE OF EITHER SIDE OF ANY PAVEMENT.



2 / C17.01 AIRFIELD BARRICADE DETAIL
SCALE: N.T.S.

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615 3rd Avenue South // Suite 700 // Nashville, Tennessee 37210
PHONE (615) 254-1500 // FAX (615) 255-6572

JEREMY GREEN — REGISTERED ENGINEER — No. 121191 — STATE OF TENNESSEE
5/22/19

CONSTRUCTION SAFETY & PHASING PLAN (CSPP)

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
ROBERT SIBLEY AIRPORT, SZY
SELMER, TENNESSEE

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CONSTRUCTION PHASING PLAN

PHASE ONE - T-HANGAR AREAS
CRACK REPAIR, SEAL COAT, REMARKING

PHASE TWO - RUNWAY AND CONNECTOR NORTH
CRACK REPAIR, SEAL COAT (CONNECTOR ONLY), REMARKING (CONNECTOR ONLY)
(RUNWAY CLOSED)

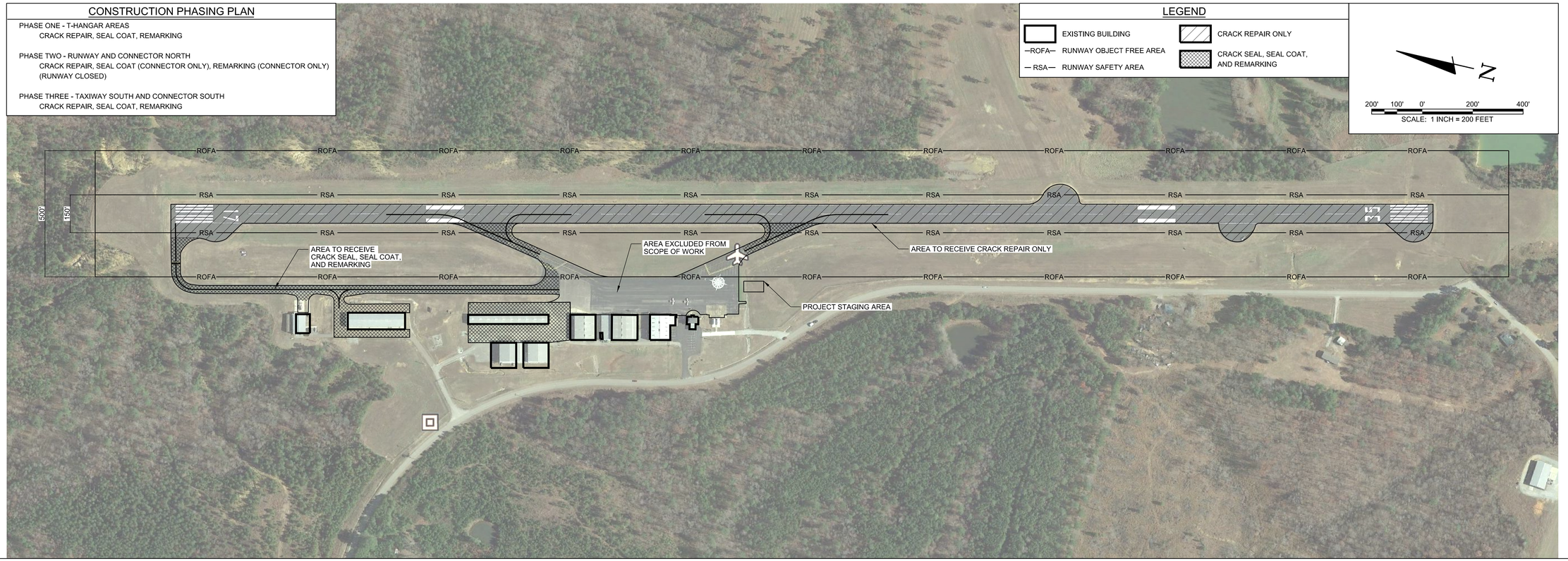
PHASE THREE - TAXIWAY SOUTH AND CONNECTOR SOUTH
CRACK REPAIR, SEAL COAT, REMARKING

LEGEND

- EXISTING BUILDING
- ROFA — RUNWAY OBJECT FREE AREA
- RSA — RUNWAY SAFETY AREA
- CRACK REPAIR ONLY
- CRACK SEAL, SEAL COAT, AND REMARKING

N

200' 100' 0' 200' 400'
SCALE: 1 INCH = 200 FEET



SCHEDULE OF QUANTITIES

ROBERT SIBLEY AIRPORT, SZY

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	22,000
P-101-5.3	AIRFIELD PAVEMENT MARKING REMOVAL	SF	1,500
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	15,000
P-620-5.2	TEMPORARY YELLOW PAINT	SF	2,050
P-620-5.4	YELLOW PAINT WITH REFLECTIVE MEDIA	SF	2,050

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AIRFIELD PAVEMENT AND MARKING MAINTENANCE
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SELMER, TENNESSEE

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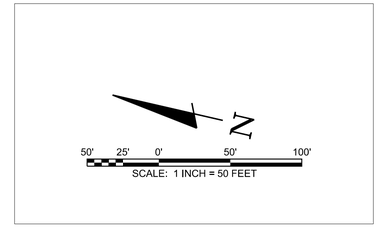
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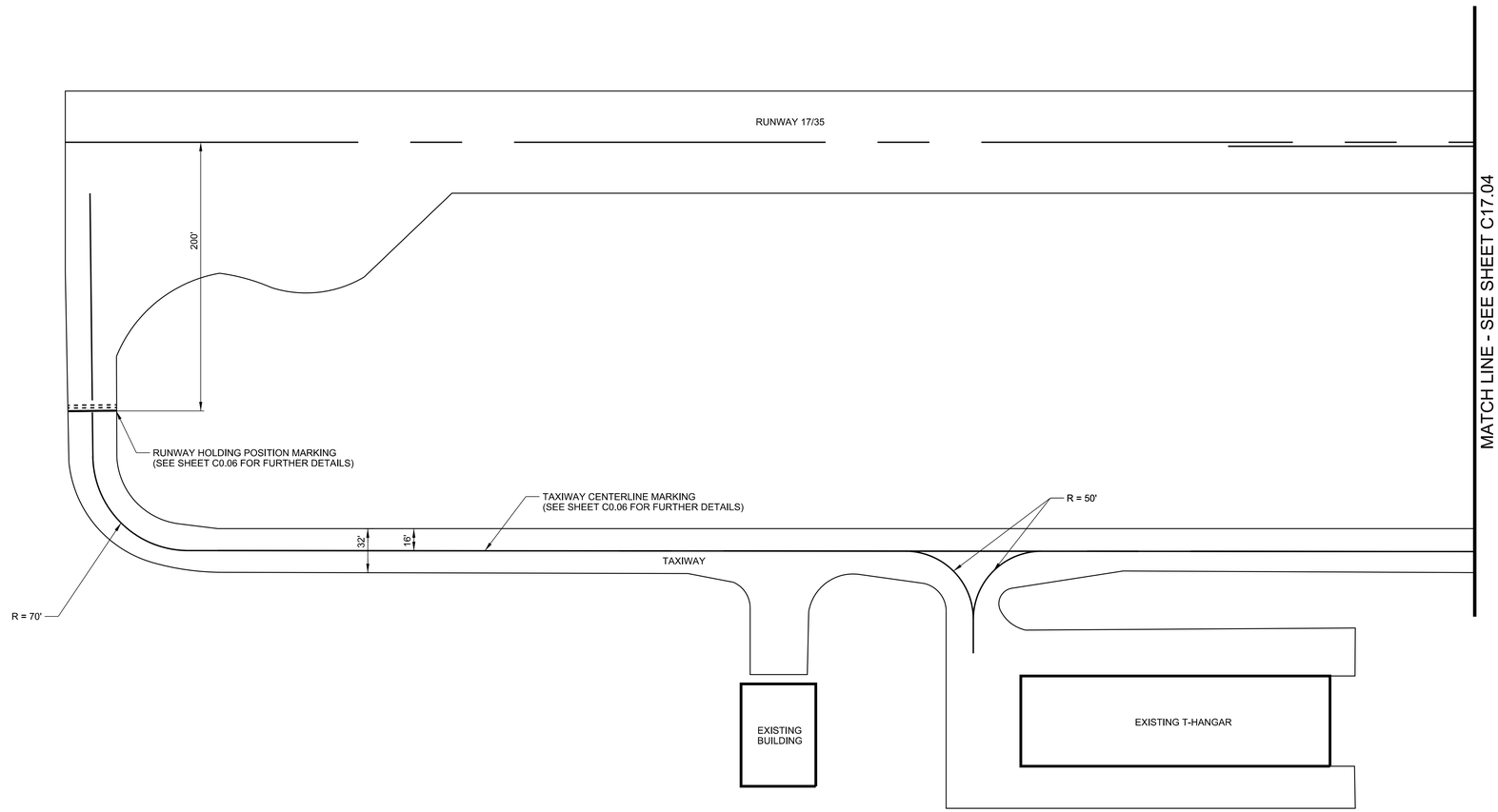
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JEREMY GREEN
REGISTERED ENGINEER
No. 121791
STATE OF TENNESSEE
5/22/19

AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
ROBERT SIBLEY AIRPORT, SZY
SELMER, TENNESSEE

REV.	DR.	CHK.	DATE	REVISION INFORMATION DESCRIPTION
	JKB	JDG	04/26/2019	ISSUED FOR 90% REVIEW
	JAC	JDG	05/22/2019	ISSUED FOR BID

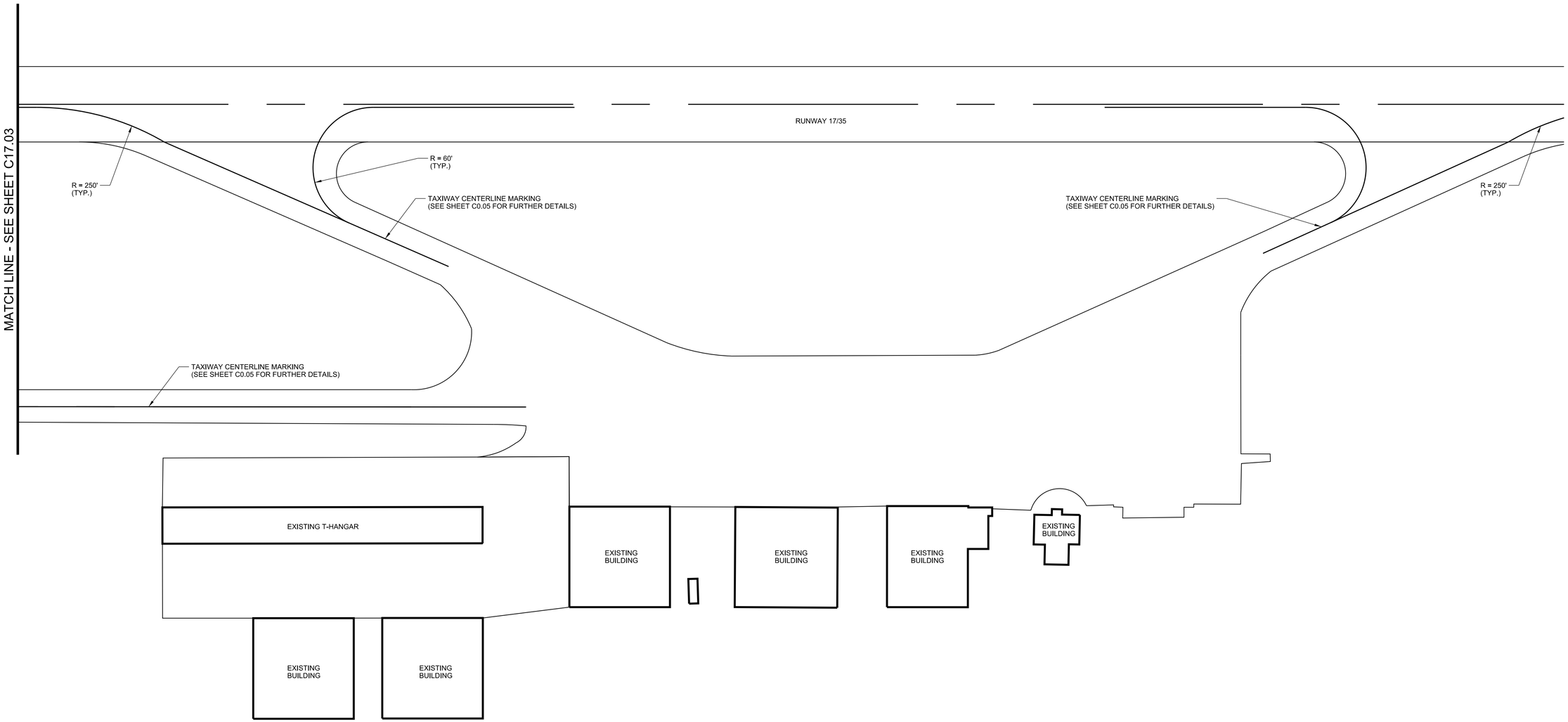
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CONSTRUCTION PHASING PLAN

PHASE ONE - RUNWAY AND TAXIWAY NORTH (11 CALENDAR DAYS)
CRACK REPAIR, SEAL COAT, REMARKING (RUNWAY CLOSED)

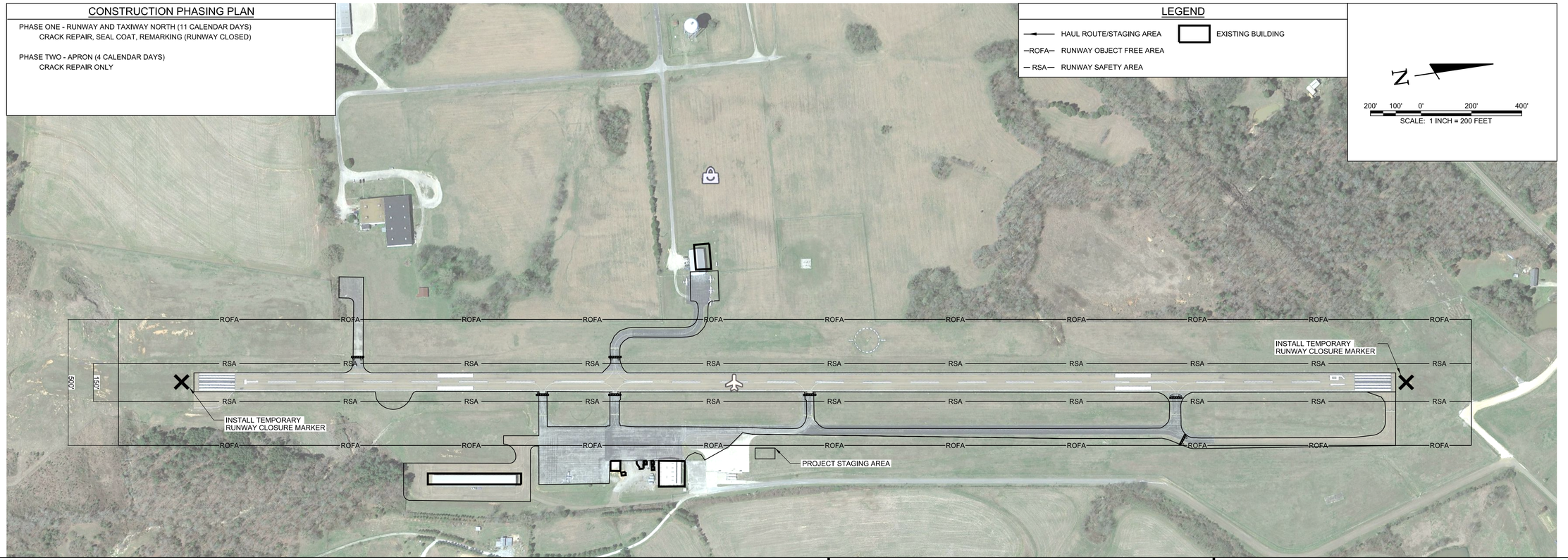
PHASE TWO - APRON (4 CALENDAR DAYS)
CRACK REPAIR ONLY

LEGEND

HAUL ROUTE/STAGING AREA
EXISTING BUILDING
ROFA RUNWAY OBJECT FREE AREA
RSA RUNWAY SAFETY AREA

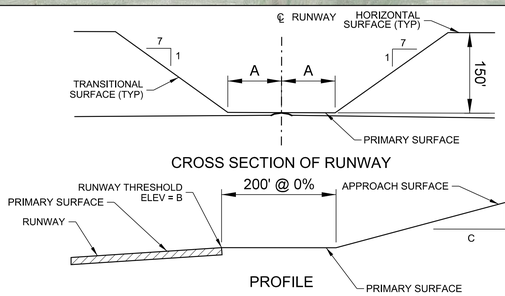
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200' 100' 0' 200' 400'
SCALE: 1 INCH = 200 FEET



CONSTRUCTION SAFETY NOTES

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER AND THE OWNER NOT LESS THAN TWO (2) DAYS PRIOR TO ENTERING THE CONSTRUCTION SITE FOR ANY PURPOSE SO THAT THEY MAY PUBLISH "NOTICES TO AIRMAN" OF THE CONSTRUCTION ACTIVITIES.
2. SUFFICIENT SWEEPERS AND CLEAN UP EQUIPMENT SHALL BE PROVIDED IN ORDER THAT ALL LOOSE MATERIAL, DEBRIS AND MUD CAN BE REMOVED FROM ALL AIRPORT OPERATIONS AREAS ON A CONTINUOUS BASIS.
3. NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR RADIOS, CONSTRUCTION OF AND MAINTENANCE OF HAUL ROUTES AND CONSTRUCTION ENTRANCE, ETC. AS INCLUDED IN THESE NOTES. ALL COSTS ASSOCIATED WITH THESE ITEMS MUST BE INCLUDED IN THE CONTRACT BID PRICES WHICH WOULD MOST LIKELY INCLUDE THEM.
4. THE CONTRACTOR AND PERSONNEL SHALL NOT, AT ANY TIME, BE ON THE RUNWAY OR TAXIWAYS UNLESS THE AIRPORT MANAGER GIVES PRIOR APPROVAL.
5. THE CONTRACTOR SHALL TAKE EXTREME CAUTION AROUND ALL EXISTING AIRPORT EQUIPMENT.
6. THE CONSTRUCTION ENTRANCE, STAGING AREA, EMPLOYEE PARKING, STOCKPILE AREA, WASTE AREA AND BORROW AREA SHALL BE COORDINATED WITH THE AIRPORT MANAGER.
7. THE CONTRACTOR SHALL HAVE A MAN ON 24-HOUR CALL FOR EMERGENCY MAINTENANCE OF AIRPORT HAZARD LIGHTING AND BARRICADES AND OTHER EMERGENCIES WHICH MAY ARISE AS A RESULT OF THIS WORK.
8. THE CONTRACTOR'S PERSONNEL AND EQUIPMENT SHALL NOT BE PERMITTED OUTSIDE THE CONSTRUCTION WORK LIMITS WITHOUT BEING ESCORTED BY THE OWNER APPROVED ESCORT.
9. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW THE SAFETY PROVISIONS INCORPORATED IN THE FOLLOWING FEDERAL AVIATION ADMINISTRATION (FAA) DOCUMENTS, WHICH ARE AVAILABLE FOR REVIEW BY DOWNLOADING THE DOCUMENTS ON-LINE AT HTTP://WWW.FAA.GOV:
   - 9.1 ADVISORY CIRCULAR NUMBER 150/5370-10H, "STANDARDS FOR SPECIFYING CONSTRUCTION OF AIRPORTS"
   - 9.2 ADVISORY CIRCULAR NUMBER 150/5370-2G, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTON"
   - 9.3 ADVISORY CIRCULAR NUMBER 150/5210-5D, "PAINTING, MARKING, AND LIGHTING OF VEHICLES USED ON AN AIRPORT"
10. THE CONTRACTOR SHALL BE REQUIRED TO MINIMIZE DUST CREATED BY CONSTRUCTION ACTIVITIES USING WATER OR OTHER DEVICES. ANY COST ASSOCIATED WITH DUST CONTROL SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. IN THE EVENT DUST WHICH IS CREATED BY CONSTRUCTION ACTIVITIES BECOMES A HAZARD TO AIRFIELD OPERATIONS AND/OR AIRCRAFT NAVIGATION CONSTRUCTION ACTIVITES WILL BE SHUT DOWN. THIS SHUTDOWN TIME WILL NOT BE A BASIS FOR CLAIMS FOR ADDITIONAL CONTRACT TIME OR COMPENSATION.
11. AIRCRAFT OPERATIONS SHALL AT ALL TIMES HAVE PRIORITY OVER ALL VEHICLES, EQUIPMENT AND PERSONNEL. THE CONTRACTOR SHALL EMPLOY STRICT MEASURES TO PREVENT ANY CONFLICT BETWEEN HIS PERSONNEL AND AIRCRAFT ON ANY ACTIVE AIRFIELD PAVEMENT. THE CONTRACTOR SHALL REMAIN CLEAR OF ACTIVE RUNWAYS AND TAXIWAYS.
12. ALL CONTRACTOR VEHICLES, INCLUDING HAULING VEHICLES, THAT ARE AUTHORIZED TO OPERATE ON THE AIRPORT WITHIN THE DESIGNATED LIMITS OF CONSTRUCTION OR HAUL ROUTES AS DEFINED HEREIN, SHALL DISPLAY IN FULL VIEW ABOVE THE VEHICLE A 3'X3' OR LARGER ORANGE AND WHITE CHECKERBOARD FLAG. EACH CHECKERBOARD COLOR BEING 1' SQUARE. WHEN OPERATING DURING PERIODS OF DARKNESS OR LIMITED VISIBILITY, CONTRACTOR'S VEHICLE SHALL BE EQUIPPED WITH ROTATING OR FLASHING AMBER LIGHTS. DURING SUCH PERIODS, HAULING VEHICLES NOT SO EQUIPPED SHALL BE ESCORTED BY A VEHICLE SO EQUIPPED.
13. CONTRACTOR SHALL CONTROL THE ON-AIRPORT MOVEMENT AND ACTIVITIES OF ITS EMPLOYEES AND SUBCONTRACTORS.
14. OPEN-FLAME WELDING OR TORCH-CUTTING OPERATIONS ARE PROHIBITED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS HAVE BEEN APPROVED BY THE OWNER.
15. OPEN TRENCHES, EXCAVATIONS AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHALL BE PROMINENTLY MARKED WITH ORANGE FLAGS AND LIGHTED WITH FLASHING AMBER LIGHT UNITS (ACCEPTABLE TO THE OWNER) DURING HOURS OF RESTRICTED VISIBILITY OR DARKNESS.
16. STOCKPILED MATERIAL SHALL BE CONSTRAINED IN A MANNER TO PREVENT MOVEMENT AS A RESULT OF AIRCRAFT OR WIND.
17. ANY DAMAGE TO THE EXISTING AIRPORT LIGHTING SYSTEM CAUSED BY CONSTRUCTION OPERATIONS SHALL BE IMMEDIATELY NOTED TO THE OWNER AND REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE AND TO THE OWNER'S SPECIFICATIONS.
18. DEBRIS, WASTE AND LOOSE MATERIAL CAPABLE OF CAUSING DAMAGE TO AIRCRAFT LANDING GEAR, PROPELLERS AND ROTORS, OR OF BEING INGESTED BY JET ENGINES SHALL NOT BE LEFT ON ACTIVE AIRCRAFT MOVEMENT AREAS. MATERIAL DROPPED WITHIN THESE AREAS SHALL BE REMOVED CONTINUOUSLY DURING WORKING HOURS.
19. THE CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY REFLECTORIZED SIGNS TO CLEARLY MARK THE DESIGNATED ACCESS ROUTES TO AFFECTED AREAS OF AIRPORT PROPERTY. CONTRACTOR SHALL CONTROL ACCESS TO THE WORKING AREA BY CONSTRUCTION VEHICLES AS DELINEATED ON THIS PLAN.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMING ALL PERSONS UNDER THEIR CONTROL THAT UNAUTHORIZED CONSTRUCTION PERSONNEL FOUND IN RESTRICTED AREAS OF THE AIRPORT SHOWN ON THE SAFETY PLAN ARE SUBJECT TO ARREST FOR A PUNISHABLE FEDERAL OFFENSE AND WILL PROMPTLY AND PERMANENTLY BE REMOVED FROM THE JOB.
21. THE CONTRACTOR SHALL PROVIDE APPROVED FLAGMAN TO CONTROL ALL CONSTRUCTION TRAFFIC AND APPROVED GATE GUARD TO CONTROL ALL CONSTRUCTION TRAFFIC ENTERING PROJECT.
22. CONTRACTOR SHALL CONTROL AND ESCORT ALL CONSTRUCTION TRAFFIC ENTERING AIRPORT TO PREVENT CONFLICTS WITH AIRCRAFT OPERATIONS.
23. SPECIAL ACCESS REQUIREMENTS AND OPERATING LIMITATIONS ARE REQUIRED INSIDE THE SECURITY FENCE. THE CONTRACTOR SHALL DELINEATE WORK LIMITS WITHIN THESE AREAS USING STAKES WITH FLAGGING AS NOTED. CONFINE ALL CONTRACTOR'S PERSONNEL, EQUIPMENT AND MATERIALS INSIDE THE OWNER'S APPROVED WORK LIMITS.
24. THE CONTRACTOR SHALL PERFORM CONSTRUCTION OPERATIONS AS NECESSARY TO MINIMIZE ATTRACTION TO BIRDS CAUSED BY PONDED WATER AND GRASS SEED.
25. THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN FLASHING LIGHTS AND BARRICADES ALONG AIRCRAFT APRON EDGES OR WHERE TEMPORARY PAVEMENT CLOSURES OR AIRCRAFT LIMITATIONS ARE REQUIRED. BARRICADES SHALL BE SPACED NO MORE THAN 8 FEET ON CENTER OR AS NOTED ALONG THE AFFECTED PAVEMENT EDGE OR ACROSS THE PAVEMENT OF A CLOSED TAXIWAY. THE CONTRACTOR SHALL DAILY MAINTAIN THE LIGHTS AND BARRICADES IN AN OPERABLE CONDITION FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL FURNISH THE OWNER A CONTACT NUMBER FOR 24-HOUR MAINTENANCE OF LIGHTS AND BARRICADES. THE COST FOR BARRICADES AND LIGHTS SHALL BE INCIDENTAL TO THE PROJECT.
26. NO CONSTRUCTION TRAFFIC SHALL ENTER OR CROSS ANY ACTIVE AIRPORT OPERATIONAL AREA EXCEPT UPON AUTHORIZATION BY THE OWNER.
27. REFER TO THE GENERAL NOTES FOR REQUIREMENTS PERTAINING TO STORAGE OF CONSTRUCTION EQUIPMENT AND MATERIALS WHEN NOT IN USE.
28. THE CONTRACTOR SHALL COMPLY WITH ALL SECURITY REQUIREMENTS SPECIFIED HEREIN. THE CONTRACTOR SHALL DESIGNATE IN WRITING TO THE OWNER THE NAME OF ITS "CONTRACTOR SECURITY OFFICER". THE CONTRACTOR SECURITY OFFICER SHALL REPRESENT THE CONTRACTOR ON THE SECURITY REQUIREMENTS OF THE CONTRACT.
29. THE CONTRACTOR'S SECURITY OFFICER SHALL BE RESPONSIBLE FOR BRIEFING ALL CONTRACTOR PERSONNEL ON THESE REQUIREMENTS. CONTRACTOR EMPLOYEES SHALL ATTEND THE OWNER'S SECURITY TRAINING SESSION AND SHALL BE BRIEFED ON THESE REQUIREMENTS PRIOR TO WORKING IN THE CONSTRUCTION AREAS.
30. THE CONTRACTOR SHALL ACQUAINT THEIR SUPERVISORS AND EMPLOYEES WITH THE AIRPORT ACTIVITIES AND OPERATIONS THAT ARE INHERENT AT THIS AIRPORT AND SHALL CONDUCT THEIR CONSTRUCTION ACTIVITIES TO CONFORM TO ALL ROUTINE AND EMERGENCY AIR TRAFFIC REQUIREMENTS AND TO THE GUIDELINES ON SAFETY.
31. CONTRACTOR TO FIELD VERIFY AND PROTECT ALL EXISTING UTILITIES BEFORE CONSTRUCTION WORK BEGINS.
32. ALL LOCATIONS USED FOR HAUL ROUTES, STAGING AREAS, EMPLOYEE PARKING AND MATERIAL STORAGE SHALL BE CLEANED UP WHEN ALL CONSTRUCTION IS COMPLETED.
33. ALL FOREMAN'S SUPERINTENDANT'S VEHICLES SHALL CONTAIN RADIOS CAPABLE OF TRANSMITTING AND RECEIVING THE UNICOM FREQUENCY OF 123.0. NORMAL RADIO COMMUNICATIONS BETWEEN CONTRACTOR PERSONNEL WILL NOT BE ALLOWED ON THE UNICOM FREQUENCY OF 123.0 OR ANY OTHER FAA FREQUENCY. THE CONTRACTOR IS REQUIRED TO MONITOR THE AIRPORT FREQUENCY WHENEVER THEIR FORCES ARE ON AIRPORT PROPERTY, WHETHER OR NOT THE RUNWAY IS OPEN OR CLOSED.
34. THE CONTRACTOR IS ENCOURAGED TO DOCUMENT VIA PICTURES AND/OR VIDEO THE PRE-CONSTRUCTION CONDITION OF ALL PAVEMENTS AND STRUCTURES. ANY DAMAGE NOTICED AFTER THE CONTRACTOR'S MOBILIZATION WILL BE ASSUMED TO BE CAUSED BY THE CONTRACTOR AND SHALL BE FULLY REPAIRED AT THE CONTRACTOR'S EXPENSE.
35. NO EQUIPMENT WILL BE ALLOWED WITHIN 150' OF THE PRIMARY RUNWAY 1-19 CENTERLINE. NO EQUIPMENT WILL BE PARKED OR STORED WITHIN 500' OF THE PRIMARY RUNWAY 1-19 CENTERLINE.
36. NO EQUIPMENT WILL BE ALLOWED WITHIN 39.5' OF THE TAXIWAY'S CENTERLINE. NO EQUIPMENT WILL BE PARKED OR STORED WITHIN 65.5' OF TAXIWAY ALPHA'S CENTERLINE.
37. THE EXISTING AIRPORT PAVEMENTS ARE DESIGNED FOR AIRCRAFT TRAFFIC ONLY, AND MAY NOT SUPPORT LOADED TRUCK OR HEAVY EQUIPMENT. ANY DAMAGE RESULTING FROM THE CONTRACTOR'S ACTIONS WILL BE IMMEDIATELY REPAIRED TO FAA STANDARDS AT THE CONTRACTOR'S EXPENSE.



CROSS SECTION OF RUNWAY

PROFILE

RUNWAY END	A	B	C
1	75'	499.0'	34
19	75'	493.0'	34

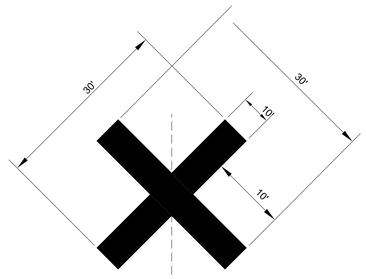
FAR PART 77 SURFACES
DRAWING NOT TO SCALE

NOTE:
THE PART 77 SECTION VIEW IS CENTERED ON THE RUNWAY CENTERLINE AT THE CENTERLINE ELEVATION, AND ON THE EXTENDED RUNWAY CENTERLINE AT THE RUNWAY THRESHOLD ELEVATION TO A POINT 200 FEET BEYOND EACH THRESHOLD. THE SECTION THEN RISES ALONG THE SLOPE INDICATED ON THE PROFILE VIEW.

PAVEMENT	SAFETY AREA WIDTH*
R/W 1-19	150'

*ALL DISTANCES ARE CENTERED ABOUT THE CENTERLINE OF THE AREA LISTED.

SAFETY AREA DIMENSIONS



CONTRACTOR SHALL BE REQURIED TO PROVIDE AND MAINTAIN TEMPORARY RUNWAY CLOSURE MARKERS. THE TEMPORARY CLOSED RUNWAY MARKINGS SHALL BE AVIATION YELLOW AND MAY BE CONSTRUCTED OF MATERIAL SUCH AS FABRIC OR PLYWOOD. PLACE MARKINGS AS SHOWN ON THIS SHEET. THE LOCATION OF THE TEMPORARY CLOSED RUNWAY MARKERS SHALL BE PLACED ON THE RUNWAY CENTERLINE.

1 C18.01 RUNWAY CLOSURE MARKER
SCALE: N.T.S.

AIRPORT CONTACT INFORMATION:
SHELBY W. ISHAM
800 AIRPORT ROAD, BOLIVAR, TN 38008
(731) 658-7422

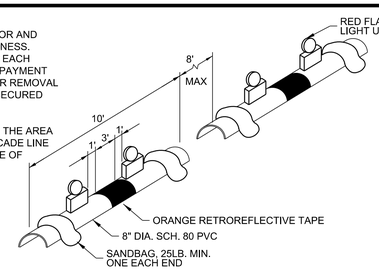
LOCAL EMERGENCY PHONE NUMBERS:
EMERGENCY:
911

BOLIVAR CITY POLICE DEPARTMENT::
(731) 658-4284

BOLIVAR FIRE DEPARTMENT;
(731) 658-9545

LIQUIDATED DAMAGES;
$1,000 PER CALENDAR DAY

NOTES:
1. CAUTION LIGHTS TO BE RED IN COLOR AND FLASHING DURING HOURS OF DARKNESS. UNITS TO BE PLACED ADJACENT TO EACH OTHER. THERE WILL BE NO DIRECT PAYMENT FOR FURNISHING, MAINTENANCE, OR REMOVAL OF THIS BARRIER. UNITS MUST BE SECURED TO PVC.
2. ALL BARRICADES SHALL DELINEATE THE AREA TO BE PROTECTED AND THE BARRICADE LINE SHALL EXTEND TO 10' OFF THE EDGE OF EITHER SIDE OF ANY PAVEMENT.



2 C18.01 AIRFIELD BARRICADE DETAIL
SCALE: N.T.S.

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STATE OF TENNESSEE
5/22/19

CONSTRUCTION SAFETY & PHASING PLAN (CSPP)

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
WILLIAM L WHITEHURST AIRPORT, M08
BOLIVAR, TENNESSEE

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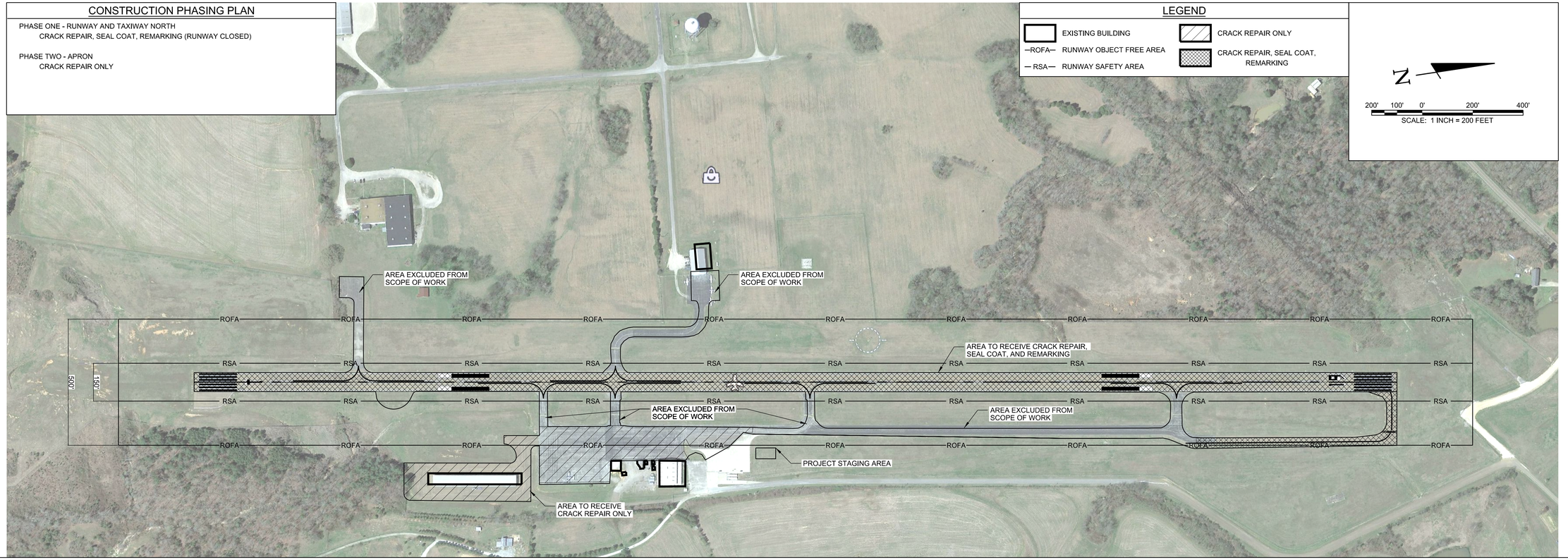
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CONSTRUCTION PHASING PLAN

PHASE ONE - RUNWAY AND TAXIWAY NORTH
CRACK REPAIR, SEAL COAT, REMARKING (RUNWAY CLOSED)

PHASE TWO - APRON
CRACK REPAIR ONLY



SCHEDULE OF QUANTITIES

WILLIAM L. WHITEHURST FIELD AIRPORT, M08

Item No.	Description	Unit	Quantity
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
C-105	MOBILIZATION	LS	1
P-101-5.1	CRACK REPAIR (TYPE I)	LF	20,500
P-101-5.3	AIRFIELD PAVEMENT MARKING REMOVAL	SF	39,700
P-608-8.1	EMULSIFIED ASPHALT SEAL COAT	SY	44,700
P-620-5.1	TEMPORARY WHITE PAINT	SF	24,700
P-620-5.2	TEMPORARY YELLOW PAINT	SF	2,375
P-620-5.3	WHITE PAINT WITH REFLECTIVE MEDIA	SF	24,700
P-620-5.4	YELLOW PAINT WITH REFLECTIVE MEDIA	SF	2,375

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OVERALL SITE LAYOUT PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
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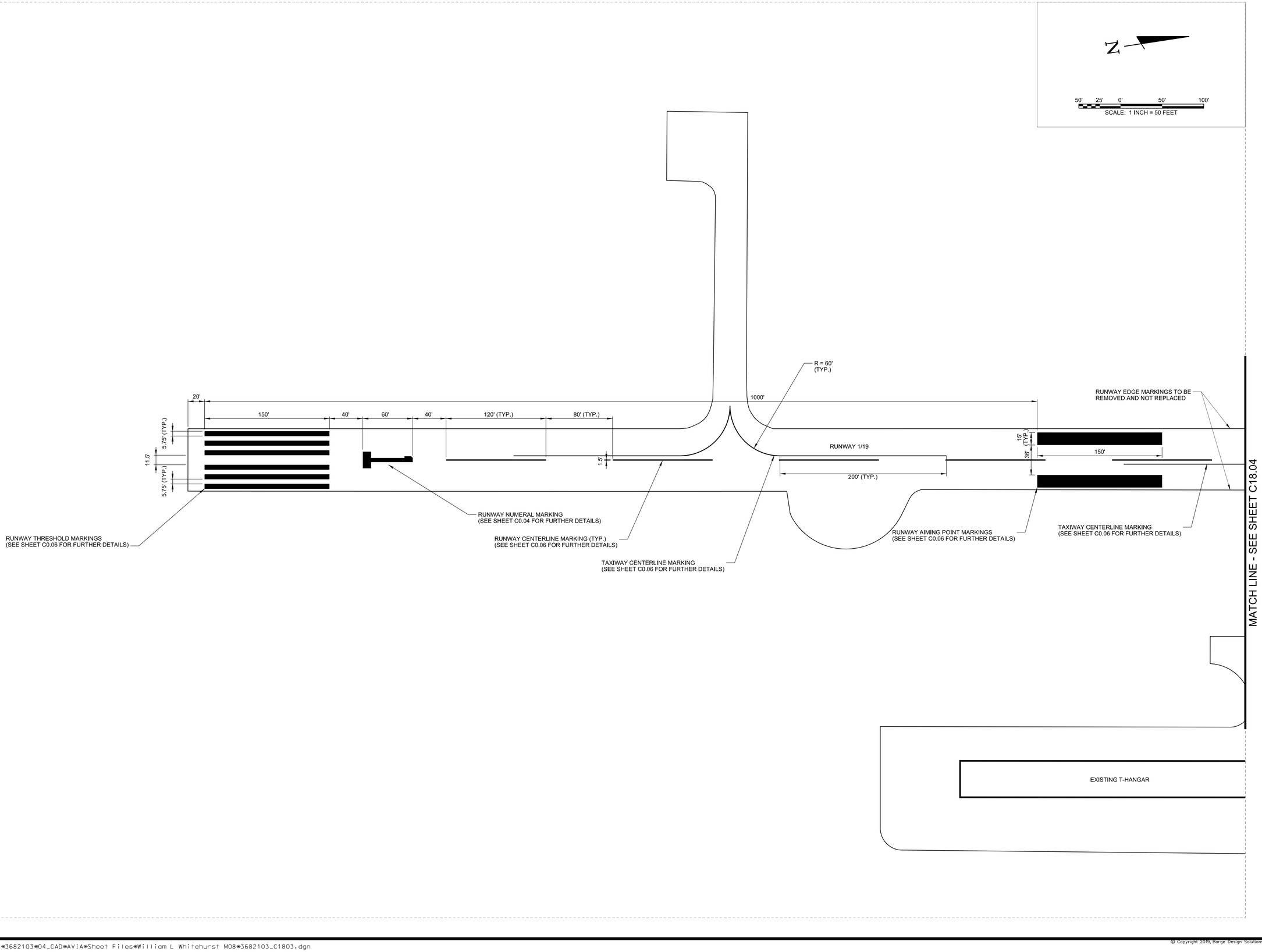
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AIRFIELD MARKING PLAN

AIRFIELD PAVEMENT AND MARKING MAINTENANCE
WILLIAM L WHITEHURST AIRPORT, M08
BOLIVAR, TENNESSEE

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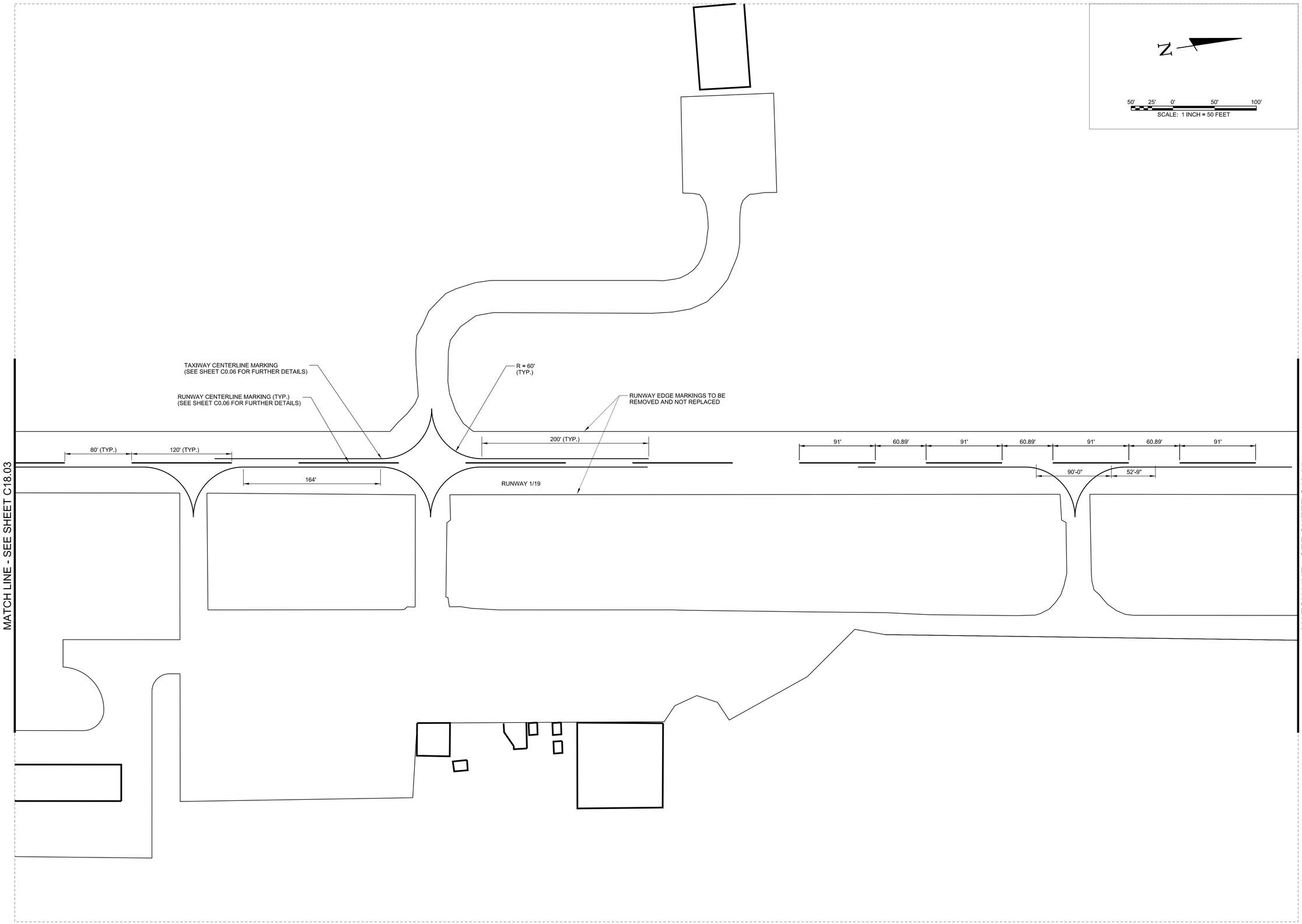
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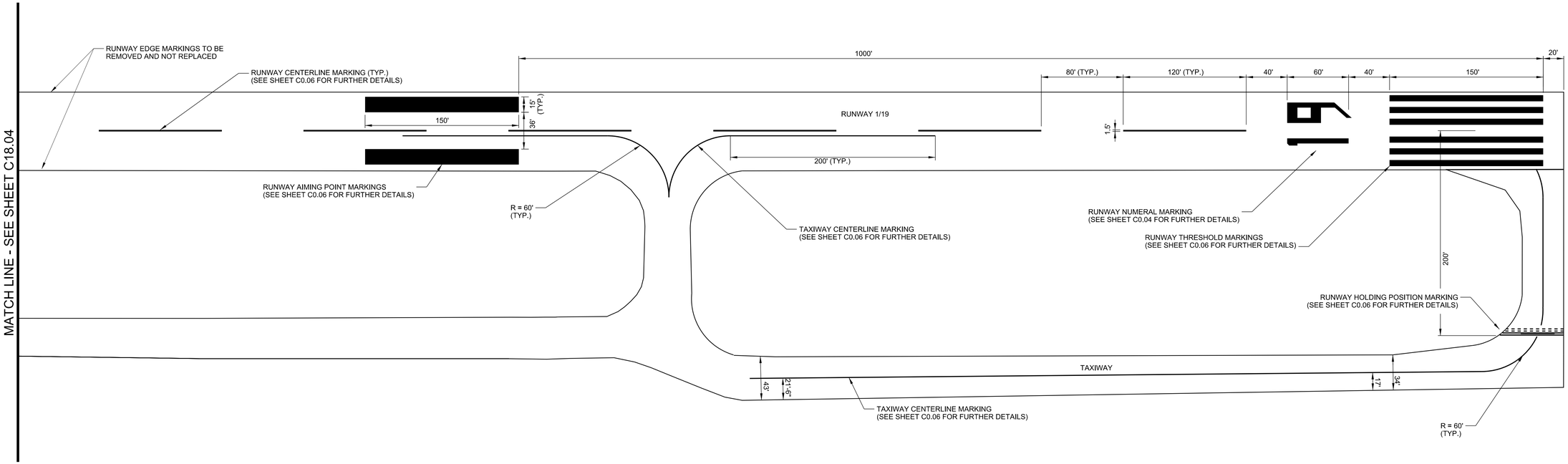
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