

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE:

PROJECT NO: 20A100D

CAD FILE: G-002-FLP.DWG

DESIGN BY: MJD 11/25/2020

DRAWN BY: MJD 03/03/2021

REVIEWED BY: LDH

GENERAL NOTES

1. THE PROJECT PAY ITEMS ARE INTENDED TO BE INCLUSIVE OF ALL WORK TO BE PERFORMED AS SHOWN IN THESE PLANS. ALL INCIDENTAL WORK REQUIRED TO COMPLETE THE PROJECT TO THE SATISFACTION OF THE RESIDENT ENGINEER IS TO BE INCLUDED IN THE COSTS OF PERFORMING THESE ITEMS. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, EQUIPMENT, AND TRANSPORTATION NECESSARY TO CONSTRUCT ALL ELEMENTS OF THE PROJECT AS DESCRIBED IN THE CONSTRUCTION PLANS AND SPECIFICATIONS.
2. THE RULES, REGULATIONS, AND SPECIFICATIONS ENUMERATED HEREIN SHALL BE CONSIDERED AS MINIMUM REQUIREMENTS. THEY SHALL NOT PROHIBIT THE CONTRACTOR FROM FURNISHING AND INSTALLING HIGHER GRADES OF MATERIAL THAN ARE SPECIFIED HEREIN, IF APPROVED BY THE ENGINEER.
3. ACCESS TO THE SITE SHALL BE RESTRICTED EXCLUSIVELY TO THE DESIGNATED CONSTRUCTION ENTRANCE, STAGING AREA, AND HAUL ROUTE. NO EQUIPMENT OR PERSONNEL SHALL BE PERMITTED OUTSIDE THE GENERAL PROJECT AREA.
4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT AND KEEP CLEAN OF DEBRIS ALL EXISTING AIRFIELD AND ROADWAY PAVEMENTS AT ALL TIMES. ANY DAMAGE TO EXISTING ELECTRICAL, DRAINAGE, AND PAVEMENT STRUCTURES SHALL BE IMMEDIATELY REPAIRED AT NO ADDITIONAL COST TO THE CONTRACT.
5. CONTRACTOR IS REQUIRED TO PROVIDE THEIR OWN RESTROOM FACILITIES.
6. THE OWNER SHALL HAVE THE RIGHT OF FIRST REFUSAL FOR ALL SALVAGEABLE MATERIAL REMOVED ON THE PROJECT.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING PERMITS FOR HAULING ON PUBLIC ROADS, AS APPLICABLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY DAMAGES TO ANY PAVEMENTS (PUBLIC OR PRIVATE) CAUSED BY HIS/HER CONSTRUCTION EQUIPMENT OR PERSONNEL.
8. THE CONTRACTOR SHALL PROVIDE ONE SET OF PRELIMINARY REDLINED RECORD DRAWINGS TO THE RESIDENT ENGINEER AT THE COMPLETION OF THE PROJECT FOR INCORPORATION INTO THE OFFICIAL RECORD DRAWINGS HE WILL PREPARE.
9. APPROXIMATE LOCATIONS OF UNDERGROUND UTILITIES ARE SHOWN THROUGHOUT THESE PLANS. THE CONTRACTOR SHALL DETERMINE EXACT LOCATIONS AND PROTECT THESE UTILITIES DURING CONSTRUCTION. ANY UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. CONTRACTOR SHALL COORDINATE WITH THE PROPER AUTHORITIES FOR THE PURPOSE OF LOCATING AND PROTECTING EXISTING UNDERGROUND UTILITIES.
10. **NPDES PERMIT** - THIS PROJECT WILL NOT DISTURB MORE THAN 1 ACRE, THEREFORE A NPDES PERMIT IS **NOT** REQUIRED.
11. **MATERIAL CERTIFICATIONS** - MATERIALS **CANNOT** BE INSTALLED UNTIL **ALL** THE MATERIAL CERTIFICATIONS FOR THAT ITEM HAVE BEEN RECEIVED, REVIEWED AND ACCEPTED BY THE RESIDENT ENGINEER. MATERIALS INSTALLED WITHOUT APPROVAL ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
12. **CERTIFIED PAYROLLS** - THE RESIDENT ENGINEER **CANNOT** FORWARD A CONSTRUCTION REPORT FOR PAYMENT TO THE IDOT-DIVISION OF AERONAUTICS FOR PROCESSING UNTIL **ALL** CERTIFIED PAYROLLS FOR THAT PERIOD HAVE BEEN RECEIVED.

SUMMARY OF QUANTITIES - BASE BID

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	AS-BUILT QUANTITY
AR150520	MOBILIZATION	L.S.	1	
AR201661	CLEAN & SEAL BITUMINOUS CRACKS	L.F.	5,000	
AR401916	REM & REP BIT PAVEMENT-TYPE B	S.Y.	205	
AR608510	EXISTING ASPHALT SURFACE TREATMENT	S.Y.	36,307	
AR608530	FRICTION TESTING	L.S.	1	
AR620520	PAVEMENT MARKING-WATERBORNE	S.F.	25,027	
AR620525	PAVEMENT MARKING-BLACK BORDER	S.F.	10,811	

INDEX TO SHEETS

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5	SITE AND SAFETY PLAN PHASE 3
6	SITE AND SAFETY PLAN PHASE 4
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8	TYPICAL PAVEMENT SECTIONS
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18	PROPOSED MARKING PLAN SHEET 5
19	MARKING DETAILS

UTILITY NOTE

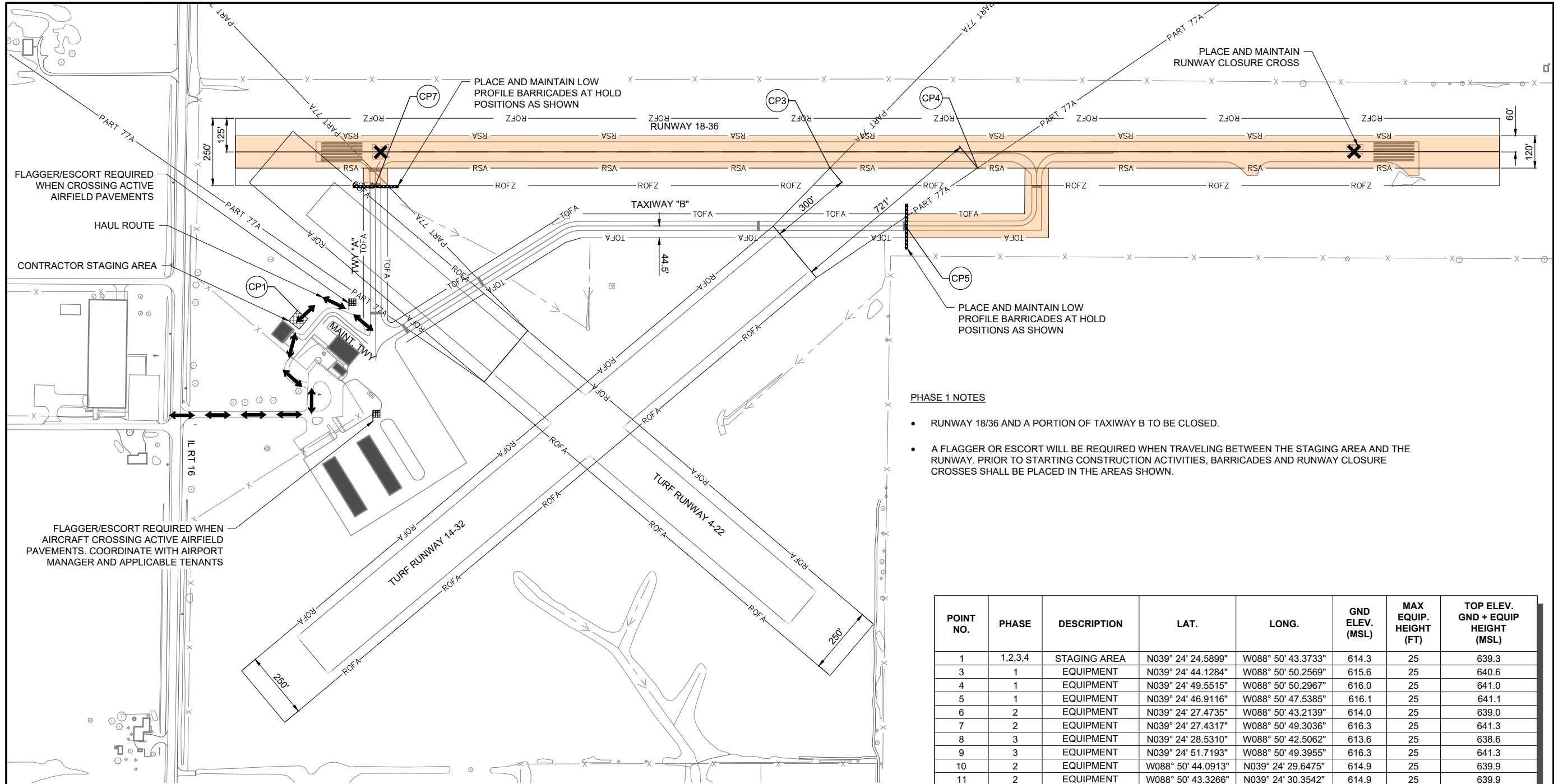
THE LOCATION, SIZE, AND TYPE OF MATERIAL OF EXISTING UNDERGROUND AND/OR ABOVEGROUND UTILITIES INDICATED ON THE PLANS ARE NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY IN RESPECT TO THE ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE LOCATIONS, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE OWNER'S REPRESENTATIVE AND/OR THE RESIDENT ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY DAMAGE TO SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT. ALL UTILITY CABLES AND LINES SHALL BE LOCATED BY THE RESPECTIVE UTILITY. CONTACT JULIE (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS) FOR UTILITY INFORMATION, PHONE: 1-800-892-0123. CONTACT THE FAA (FEDERAL AVIATION ADMINISTRATION) FOR ASSISTANCE IN LOCATING FAA CABLES AND UTILITIES. LOCATION OF FAA POWER, CONTROL, AND COMMUNICATION CABLES SHALL BE COORDINATED WITH AND/OR LOCATED BY THE FAA. ALSO CONTACT AIRPORT DIRECTOR/MANAGER AND AIRPORT PERSONNEL FOR ASSISTANCE IN LOCATING UNDERGROUND AIRPORT CABLES AND/OR UTILITIES. ALSO COORDINATE WORK WITH ALL ABOVEGROUND UTILITIES.

J.U.L.I.E. INFORMATION

COUNTY _____ SHELBY
CITY _____ SHELBYVILLE
TOWNSHIP _____ ROSE TOWNSHIP
TOWNSHIP _____ 11N
RANGE _____ 3E
SECTION _____ 10,11
ADDRESS _____ SHELBY COUNTY AIRPORT
RR #2
SHELBYVILLE, IL 62565

MARKING SCHEDULE - AIRFIELD

AR620520 - PAVEMENT MARKING - WATERBORNE (WHITE)			
DESCRIPTION	UNIT AREA (S.F.)	NO. REQUIRED	TOTAL AREA (S.F.)
DESIGNATION NUMERAL 1	318	1	318
DESIGNATION NUMERAL 8	876	1	876
DESIGNATION NUMERAL 3	636	1	636
DESIGNATION NUMERAL 6	712	1	712
THRESHOLD STRIPE	862.5	12	10350
RUNWAY CENTERLINE STRIPE	360	18	6480
AR620520 - PAVEMENT MARKING - WATERBORNE (YELLOW)			
DESCRIPTION	UNIT AREA (S.F.)	NO. REQUIRED	TOTAL AREA (S.F.)
TIEDOWN	39	11	429
HOLDING POSITION - TAXIWAY A (VAR. WIDTH)	140	1	140
HOLDING POSITION - TAXIWAY A (40 FT WIDE)	122	2	244
HOLDING POSITION - TAXIWAY B (35 FT WIDE)	104	5	520
TAXIWAY CENTERLINE(S)	4322	1	4322
AR620525 PAVEMENT MARKING - BLACK BORDER			
DESCRIPTION	UNIT AREA (S.F.)	NO. REQUIRED	TOTAL AREA (S.F.)
DESIGNATION NUMERAL 1	68	1	68
DESIGNATION NUMERAL 8	132	1	132
DESIGNATION NUMERAL 3	103	1	103
DESIGNATION NUMERAL 6	114	1	114
THRESHOLD STRIPE	156.75	12	1881
RUNWAY CENTERLINE STRIPE	124	18	2232
TIEDOWN	41	11	451
HOLDING POSITION - TAXIWAY A (VAR. WIDTH)	232	1	232
HOLDING POSITION - TAXIWAY A (40 FT WIDE)	198	2	396
HOLDING POSITION - TAXIWAY B (35 FT WIDE)	176	5	880
TAXIWAY CENTERLINE(S)	4322	1	4322



PHASE 1 NOTES

- RUNWAY 18/36 AND A PORTION OF TAXIWAY B TO BE CLOSED.
- A FLAGGER OR ESCORT WILL BE REQUIRED WHEN TRAVELING BETWEEN THE STAGING AREA AND THE RUNWAY. PRIOR TO STARTING CONSTRUCTION ACTIVITIES, BARRICADES AND RUNWAY CLOSURE CROSSES SHALL BE PLACED IN THE AREAS SHOWN.

PROJECT SITE AND SAFETY NOTES

1. **SCOPE** - RE-MARK ALL AIRFIELD MARKINGS, PERFORM CRACK SEALING ON AIRFIELD PAVEMENTS, APPLY AN ASPHALT SURFACE TREATMENT TO RUNWAY 18/36 AND THE MAINTENANCE TAXIWAY, AND REPAIR WIDE TRANSVERSE CRACKS WITH FULL DEPTH PATCHING ON TAXIWAY A & B.
2. **GENERAL** - THE SHELBY COUNTY AIRPORT (2H0) IS NON-TOWER-CONTROLLED, NON-PART 139 GENERAL AVIATION AIRPORT COMPRISED OF 3 RUNWAYS - ONE PAVED AND TWO TURF. THE PROPOSED CONSTRUCTION WILL NECESSITATE THE CLOSURE OF EACH OF THE RUNWAYS AT SOME POINT DURING THE PROJECT. ANYTIME THE CONTRACTOR IS WORKING WITHIN 200' OF THE CENTERLINE OF A RUNWAY, THE RUNWAY WILL BE CLOSED.
3. **CLOSURES** - ALL RUNWAY/TAXIWAY/APRON CLOSURES SHALL BE COORDINATED WITH THE AIRPORT MANAGER A MINIMUM OF 72 HOURS BEFORE THE DESIRED CLOSING TIME. THE AIRPORT MANAGER HAS COMPLETE AUTHORITY IN DETERMINING WHEN THE RUNWAY/TAXIWAY/APRON MAY BE CLOSED.

RUNWAY/TAXIWAY CLOSURE PROCEDURES:

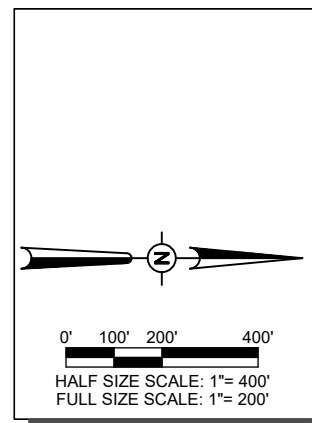
- CONTACT THE AIRPORT MANAGEMENT OR ASSIGNED REPRESENTATIVE A MINIMUM OF 72 HOURS BEFORE THE DESIRED CLOSING TIME.
- ISSUANCE OF NOTAM AND DEACTIVATION OF THE APPLICABLE AIRFIELD LIGHTING AND NAVAIDS BY THE AIRPORT MANAGEMENT AND/OR FAA.
- PLACEMENT OF CROSSES AND BARRICADES.
- ONLY AT THE TIME THAT ALL OF THE ABOVE ARE COMPLETED MAY ANY CONSTRUCTION OPERATIONS BEGIN WITHIN THE RUNWAY/TAXIWAY AIR OPERATIONS AREA.

RUNWAY/TAXIWAY RE-OPENING PROCEDURES:

- ENSURE ALL PERSONNEL, EQUIPMENT AND MATERIALS ARE CLEAR OF THE AIR OPERATIONS AREA.
- INSPECT THE AREA FOR LOOSE OR TRACKED DEBRIS, PAVEMENT DROP-OFFS, AND OPEN TRENCHES.
- REMOVE BARRICADES AND CROSSES.
- NOTIFY THE AIRPORT MANAGEMENT OR REPRESENTATIVE TO CANCEL THE NOTAM.
- ACTIVATION OF THE AIRFIELD LIGHTING AND NAVAIDS AND CANCELLATION OF THE NOTAM BY THE AIRPORT MANAGEMENT AND/OR FAA.

POINT NO.	PHASE	DESCRIPTION	LAT.	LONG.	GND ELEV. (MSL)	MAX EQUIP. HEIGHT (FT)	TOP ELEV. GND + EQUIP HEIGHT (MSL)
1	1,2,3,4	STAGING AREA	N039° 24' 24.5899"	W088° 50' 43.3733"	614.3	25	639.3
3	1	EQUIPMENT	N039° 24' 44.1284"	W088° 50' 50.2569"	615.6	25	640.6
4	1	EQUIPMENT	N039° 24' 49.5515"	W088° 50' 50.2967"	616.0	25	641.0
5	1	EQUIPMENT	N039° 24' 46.9116"	W088° 50' 47.5385"	616.1	25	641.1
6	2	EQUIPMENT	N039° 24' 27.4735"	W088° 50' 43.2139"	614.0	25	639.0
7	2	EQUIPMENT	N039° 24' 27.4317"	W088° 50' 49.3036"	616.3	25	641.3
8	3	EQUIPMENT	N039° 24' 28.5310"	W088° 50' 42.5062"	613.6	25	638.6
9	3	EQUIPMENT	N039° 24' 51.7193"	W088° 50' 49.3955"	616.3	25	641.3
10	2	EQUIPMENT	W088° 50' 44.0913"	N039° 24' 29.6475"	614.9	25	639.9
11	2	EQUIPMENT	W088° 50' 43.3266"	N039° 24' 30.3542"	614.9	25	639.9
12	2	EQUIPMENT	W088° 50' 39.0443"	N039° 24' 34.3115"	613.1	25	638.1
13	2	EQUIPMENT	W088° 50' 36.9664"	N039° 24' 36.2316"	612.5	25	637.5
14	3	EQUIPMENT	W088° 50' 46.9508"	N039° 24' 27.0048"	616.1	25	641.1
15	3	EQUIPMENT	W088° 50' 45.9946"	N039° 24' 27.8885"	615.7	25	640.7

EXISTING	PROPOSED	LEGEND
		RUNWAY SAFETY AREA (RSA)
		RUNWAY OBJECT FREE AREA (ROFA)
		TAXIWAY OBJECT FREE AREA (TOFA)
		APPROACH SURFACE (PART 77A)
		RUNWAY OBSTACLE FREE ZONE (ROFZ)
		PROPOSED AIRFIELD WORK AREA
		STAGING AREA
		TEMPORARY RUNWAY CLOSURE CROSS
		LOW PROFILE BARRICADE
		TEMPORARY HAUL ROUTE / ACCESS ROUTE
		ESCORT/FLAGMAN LOCATION
		SAFETY CRITICAL POINT



AIRFIELD PAVEMENT MAINTENANCE AND MARKING

IDA No: 2H0-4487
 SBG No.: 3-17-SBGP-139/144

Contract No. SE006

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 DESIGN BY: MJD 11/10/2020
 DRAWN BY: CWS 11/12/2020
 REVIEWED BY: LDH

SITE AND SAFETY PLAN PHASE 1

**AIRFIELD PAVEMENT
 MAINTENANCE AND
 MARKING**

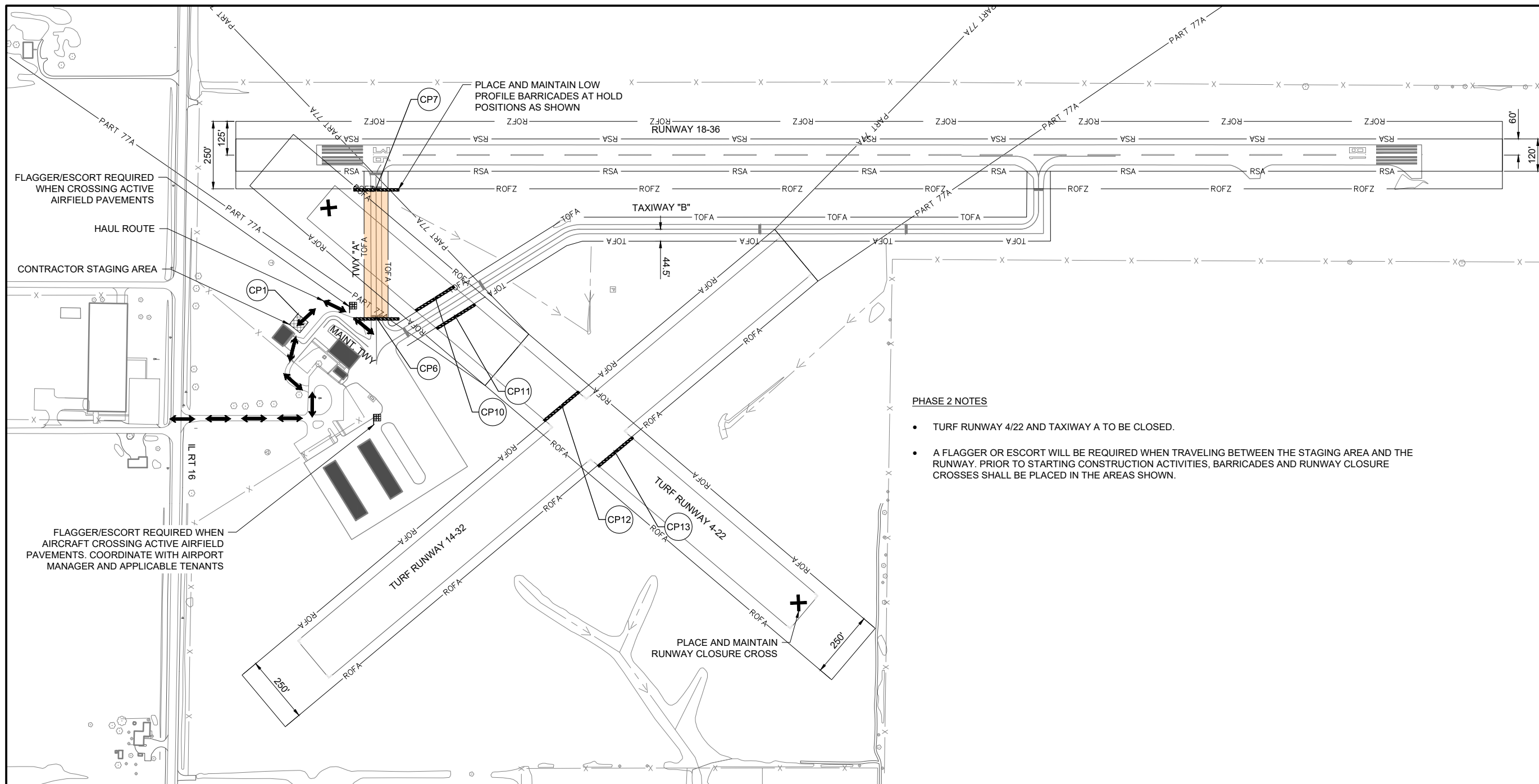
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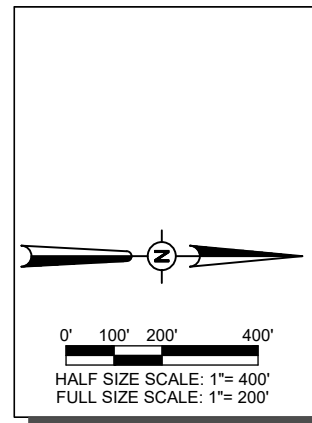
**SITE AND SAFETY
 PLAN PHASE 2**



PHASE 2 NOTES

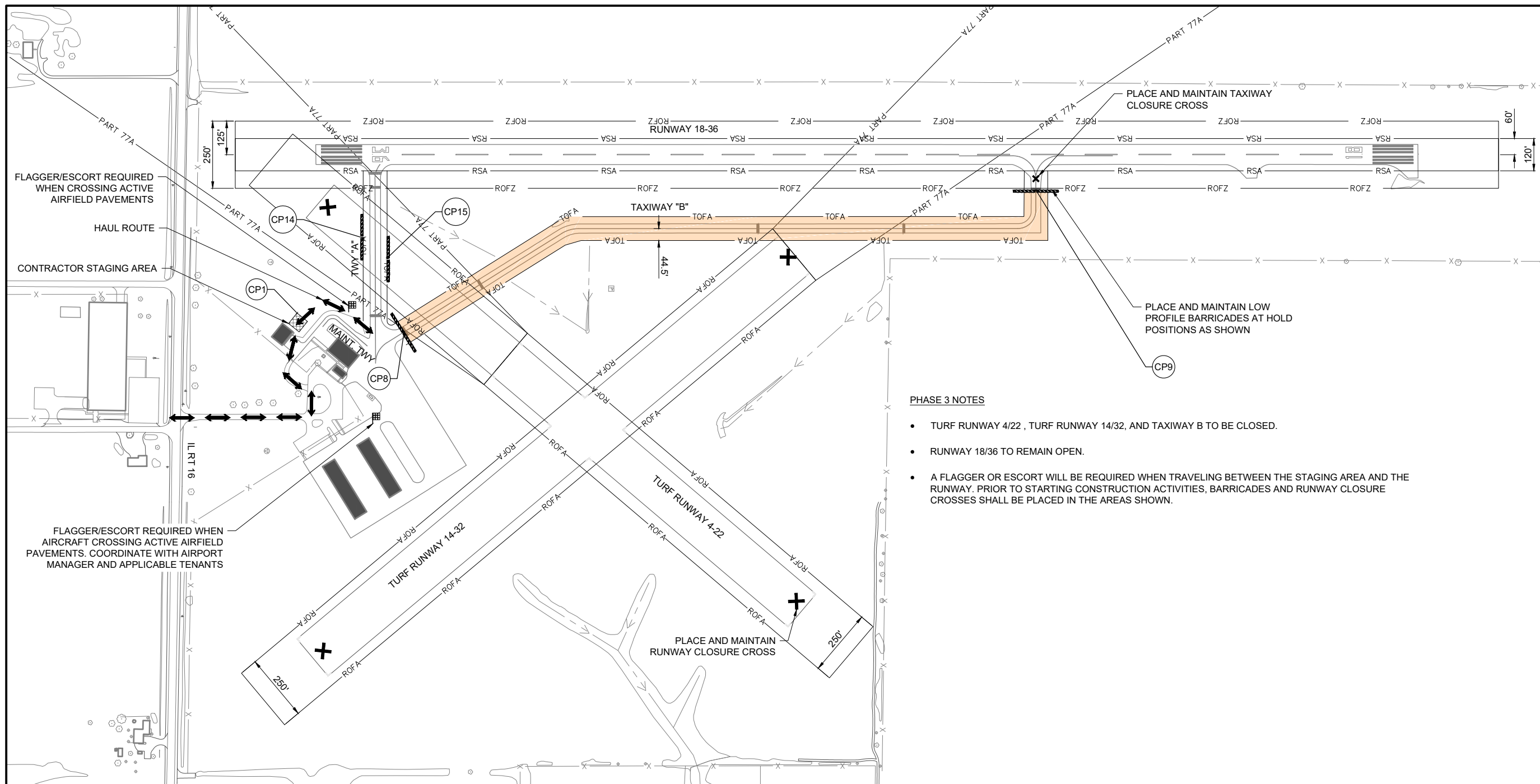
- TURF RUNWAY 4/22 AND TAXIWAY A TO BE CLOSED.
- A FLAGGER OR ESCORT WILL BE REQUIRED WHEN TRAVELING BETWEEN THE STAGING AREA AND THE RUNWAY. PRIOR TO STARTING CONSTRUCTION ACTIVITIES, BARRICADES AND RUNWAY CLOSURE CROSSES SHALL BE PLACED IN THE AREAS SHOWN.

EXISTING	PROPOSED	LEGEND
		RUNWAY SAFETY AREA (RSA)
		RUNWAY OBJECT FREE AREA (ROFA)
		TAXIWAY OBJECT FREE AREA (TOFA)
		APPROACH SURFACE (PART 77A)
		RUNWAY OBSTACLE FREE ZONE (ROFZ)
		PROPOSED AIRFIELD WORK AREA
		STAGING AREA
		TEMPORARY RUNWAY CLOSURE CROSS
		LOW PROFILE BARRICADE
		TEMPORARY HAUL ROUTE / ACCESS ROUTE
		ESCORT/FLAGMAN LOCATION
		SAFETY CRITICAL POINT



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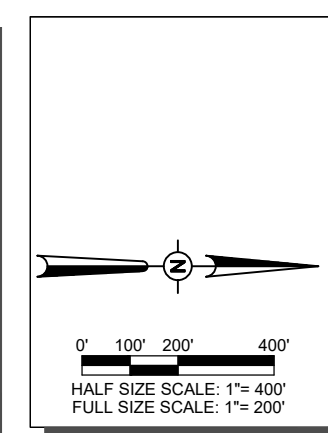
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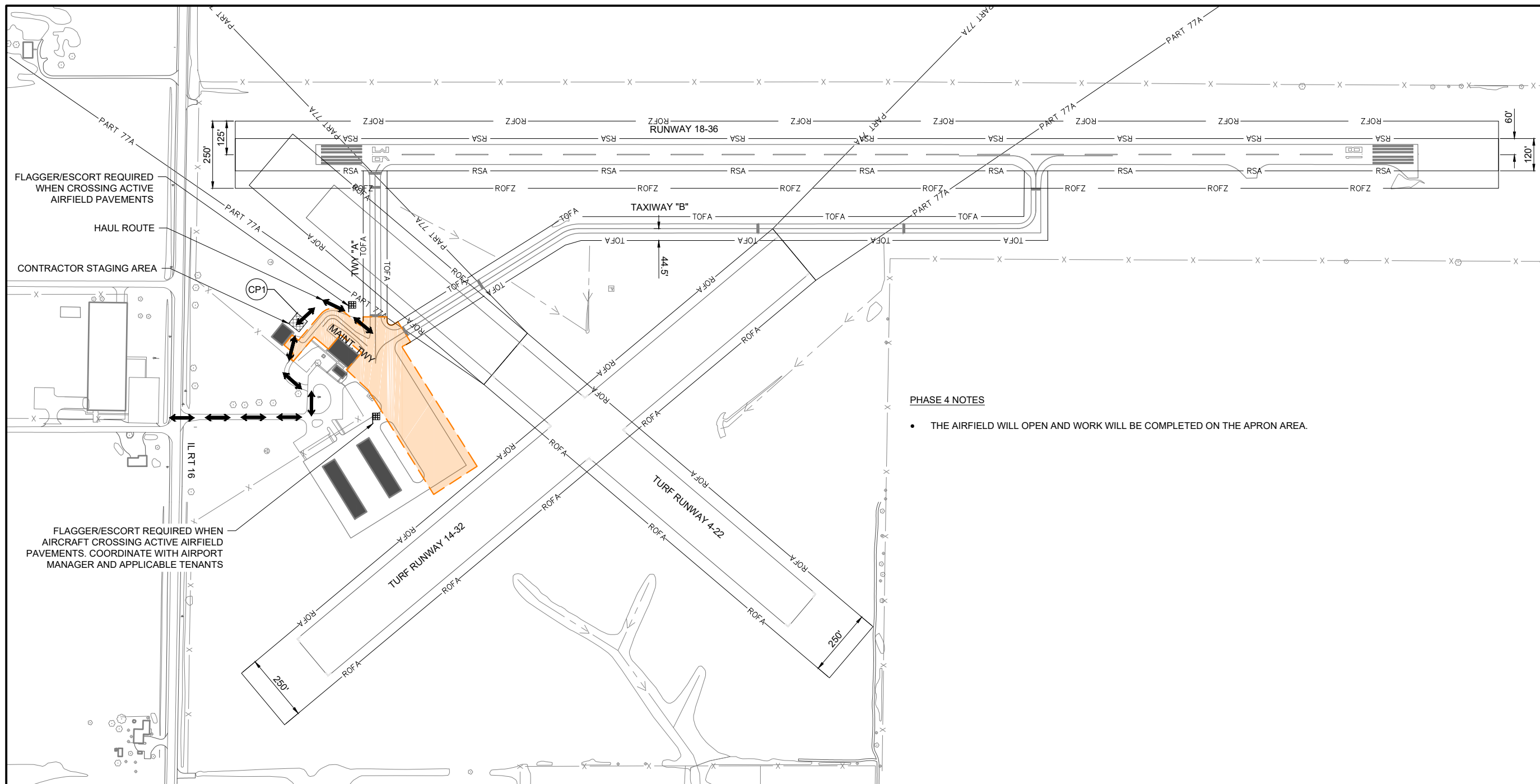


PHASE 3 NOTES

- TURF RUNWAY 4/22, TURF RUNWAY 14/32, AND TAXIWAY B TO BE CLOSED.
- RUNWAY 18/36 TO REMAIN OPEN.
- A FLAGGER OR ESCORT WILL BE REQUIRED WHEN TRAVELING BETWEEN THE STAGING AREA AND THE RUNWAY. PRIOR TO STARTING CONSTRUCTION ACTIVITIES, BARRICADES AND RUNWAY CLOSURE CROSSES SHALL BE PLACED IN THE AREAS SHOWN.

EXISTING	PROPOSED	LEGEND
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		RUNWAY OBJECT FREE AREA (ROFA)
		TAXIWAY OBJECT FREE AREA (TOFA)
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		RUNWAY OBSTACLE FREE ZONE (ROFZ)
		PROPOSED AIRFIELD WORK AREA
		STAGING AREA
		TEMPORARY RUNWAY CLOSURE CROSS
		LOW PROFILE BARRICADE
		TEMPORARY HAUL ROUTE / ACCESS ROUTE
		ESCORT/FLAGMAN LOCATION
		SAFETY CRITICAL POINT





PHASE 4 NOTES

- THE AIRFIELD WILL OPEN AND WORK WILL BE COMPLETED ON THE APRON AREA.

FLAGGER/ESCORT REQUIRED WHEN CROSSING ACTIVE AIRFIELD PAVEMENTS

HAUL ROUTE

CONTRACTOR STAGING AREA

FLAGGER/ESCORT REQUIRED WHEN AIRCRAFT CROSSING ACTIVE AIRFIELD PAVEMENTS. COORDINATE WITH AIRPORT MANAGER AND APPLICABLE TENANTS

AIRFIELD PAVEMENT MAINTENANCE AND MARKING

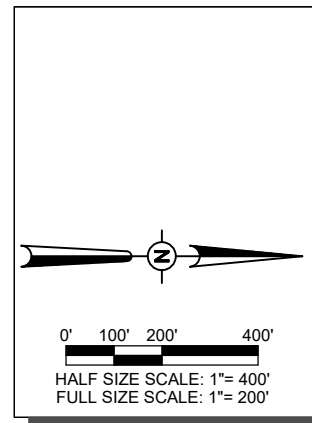
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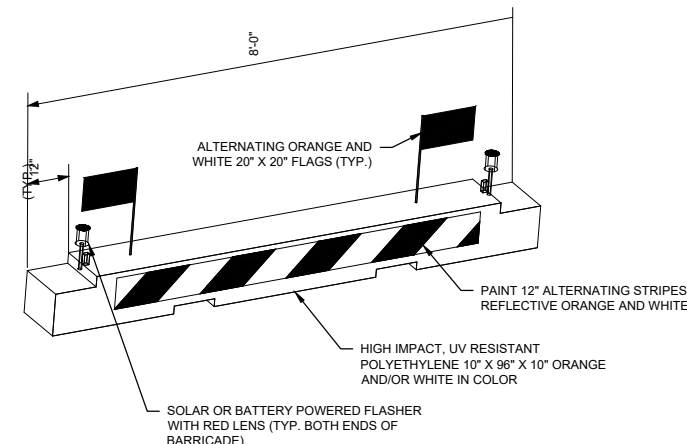
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		LOW PROFILE BARRICADE
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CONSTRUCTION SAFETY NOTES

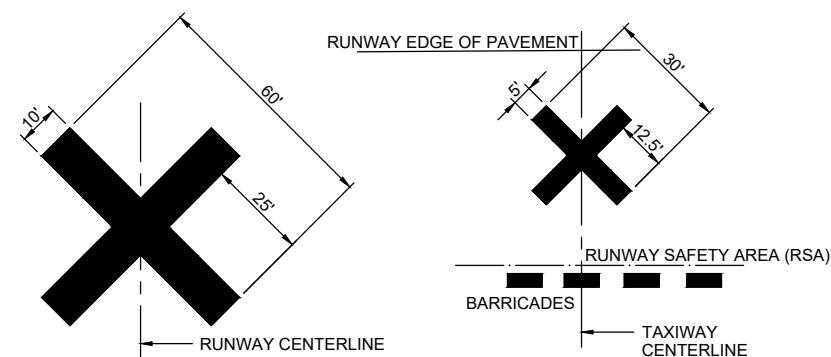
- ALL PROVISIONS OF THE LATEST EDITION OF FAA ADVISORY CIRCULAR AC 150/5370-2 (CURRENT EDITION), "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION", APPLY TO THIS CONTRACT, EXCEPT AS MODIFIED BY THIS SAFETY PLAN, OR AS MODIFIED BY THE OWNER THROUGH THE RESIDENT ENGINEER/TECHNICIAN.
- ALL COSTS ASSOCIATED WITH THE WORK AND MATERIALS INVOLVING CONSTRUCTION SAFETY & PHASING AS SHOWN OR DESCRIBED IN THE CONTRACT DOCUMENTS, OR AS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER/TECHNICIAN OR AIRPORT MANAGER THROUGHOUT THE PROJECT, SHALL BE INCIDENTAL TO THE CONTRACT.
- AIRFIELD SAFETY ASSURANCE - AIRFIELD SAFETY SHALL BE HELD PARAMOUNT AT ALL TIMES. ANY INDIVIDUALS RESPONSIBLE FOR INCURSIONS OR POTENTIAL INCURSIONS WITH AIR TRAFFIC DUE TO NON-COMPLIANCE WITH REQUIREMENTS SET FORTH IN THESE PLANS, SPECIFICATIONS, SPECIAL PROVISIONS, AND FAA ADVISORY CIRCULAR 150/5370-2 (CURRENT EDITION) WILL BE SUBJECT TO AN IMMEDIATE SUSPENSION OF DRIVING PRIVILEGES ON THE AIRPORT OR A COMPLETE RESTRICTION OF ACCESS TO THE AIRFIELD ALTOGETHER. THE AIRPORT MANAGER OR RESIDENT ENGINEER/TECHNICIAN MAY STOP THE WORK AT ANY TIME THEY BELIEVE AIRFIELD SAFETY IS BEING COMPROMISED.
- THE CONTRACTOR SHALL PROVIDE THE AIRPORT MANAGER AND RESIDENT ENGINEER/TECHNICIAN WITH CONTACT INFORMATION FOR A PERSON ON CALL 24 HOURS A DAY FOR EMERGENCY MAINTENANCE OF BARRICADES AND HAZARD LIGHTING.
- ALL CONSTRUCTION EQUIPMENT OPERATING IN THE PRESCRIBED CONSTRUCTION AREA IS REQUIRED TO DISPLAY A CHECKERBOARD FLAG PROPERLY LOCATED OR A ROTATING BEACON (STROBE) AS SPECIFIED IN AC 150/5210-5, "PAINTING, MARKING, AND LIGHTING OF VEHICLES USED ON AN AIRPORT" (CURRENT EDITION).
- CLOSED AIRFIELD WORK AREAS, OPEN TRENCHES, AND OTHER HAZARDOUS AREAS AT THE CONSTRUCTION SITE SHALL BE PROMINENTLY MARKED WITH LIGHTED BARRICADES WITH STEADY BURNING OR FLASHING RED LIGHTS AS SPECIFIED IN 150/5370-2, "OPERATIONAL SAFETY ON AIRPORT DURING CONSTRUCTION, LATEST EDITION. LIGHTED BARRICADES MUST BE NO TALLER THAN 18" (EXCLUSIVE OF SUPPLEMENTARY LIGHTS AND FLAGS) ON THE TAXIWAYS AND COMPLY WITH ADVISORY CIRCULAR 150/5370-2, LATEST EDITION. CONTRACTOR SHALL NIGHT CHECK BARRICADES DAILY FOR PROPER OPERATION.
- NO PAVEMENT EDGE DROP-OFFS GREATER THAN 3" ARE ALLOWED TO REMAIN ON ANY ACTIVE AIRFIELD PAVEMENT AREA. TEMPORARY EARTH SHOULDERS SHALL BE PLACED IF AN INCOMPLETE AREA IS TO BE REOPENED TO AIRCRAFT TRAFFIC.
- AIRPORT SECURITY - AIRPORT SECURITY WILL BE MAINTAINED AT ALL TIMES. NO CONTRACTOR PERSONNEL OR EQUIPMENT WILL BE PERMITTED OUTSIDE OF THE CONSTRUCTION LIMITS DEPICTED ON THESE PLANS. PERSONAL VEHICLES OF CONTRACTOR EMPLOYEES SHALL BE PARKED IN THE DESIGNATED STAGING AREA AND ARE NOT ALLOWED ACCESS ON THE SITE. THE CONTRACTOR WILL CLOSE AND LOCK THE GATE AT THE DESIGNATED CONSTRUCTION ENTRANCE AT THE END OF EACH DAY. ALL CONTRACTOR EMPLOYEES SHALL WEAR A GARMENT IDENTIFYING THEM AS CONSTRUCTION PERSONNEL.
- NO CONSTRUCTION EQUIPMENT GREATER THAN 25' TALL WILL BE PERMITTED ON THE AIRPORT WITHOUT THE APPROVAL OF THE AIRPORT MANAGER AND AIRSPACE APPROVAL BY THE FAA.
- SOIL, DEBRIS, AND LOOSE MATERIAL DROPPED OR TRUCKED ONTO AIRPORT ROADS, TAXIWAYS, AND SOD SURFACES, OR WHICH CAN BE BLOWN ONTO SUCH SURFACES, SHALL BE IMMEDIATELY SWEEPED, PICKED UP AND REMOVED, OR PLACED INTO CLOSED CONTAINERS. ANY DAMAGE TO AIRPORT PROPERTY SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- EACH CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND MAINTAINING AIRPORT LIGHTING AND NAVIGATIONAL ELECTRICAL SYSTEMS DURING CONSTRUCTION. A CONTACT PERSON AND TELEPHONE NUMBER FOR 24 HOUR EMERGENCY IMMEDIATE REPAIR SHALL BE SUBMITTED TO THE AIRPORT MANAGER AND ENGINEER. HAUL ROUTES CROSSING PAVEMENT, DRAINAGE, MISCELLANEOUS STRUCTURES AND/OR AIRFIELD CABLES SHALL BE PROTECTED FROM DAMAGE.
- ALL AIRCRAFT AND AIRPORT OPERATIONS HAVE THE RIGHT-OF-WAY. CONTRACTOR TO YIELD TO VEHICLES AND REMAIN CLEAR AT ALL TIMES.
- THE CONTRACTOR SHALL UTILIZE WATER AND/OR CHEMICALS APPROVED BY THE RESIDENT ENGINEER AS NECESSARY TO CONTROL DUST.
- RADIO CONTROL - THE CONTRACTOR WILL BE REQUIRED TO REMAIN CONSTANT TWO-WAY RADIO CONTACT WITH THE SHELBY COUNTY AIRPORT UNICOM (122.8 MHz) AT ALL TIMES WHILE HE HAS PERSONNEL OR EQUIPMENT ON THE AIRFIELD.



LOW PROFILE BARRICADE EXAMPLE
NOT TO SCALE

BARRICADE NOTES

- ALL CONSTRUCTION SIGNS AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES INCLUDING THE ILLINOIS SUPPLEMENT (LATEST EDITION) AND THE FAA ADVISORY CIRCULARS (LATEST EDITION) UNLESS NOTED OTHERWISE. THE FAA OR MORE STRINGENT SPECIFICATIONS SHALL GOVERN.
- BARRICADES SHALL BE SPACED END TO END THE WIDTH OF THE PAVEMENT WITH A MAXIMUM SPACING OF 4' BETWEEN ENDS. BARRICADES ARE TO BE SET BACK FROM THE ACTIVE RUNWAY OR TAXIWAY CENTERLINE THE DISTANCE AS SHOWN ON THE PLANS.
- CONSTRUCTION RED WARNING LIGHT: THESE ARE PORTABLE, LENS DIRECTED, ENCLOSED LIGHTS. THE COLOR OF THE LIGHT EMITTED SHALL BE RED. THEY MAY BE USED IN EITHER A STEADY BURN (TYPE C) OR LOW INTENSITY FLASHING MODE (TYPE A) UNLESS NOTED OTHERWISE.
- THE LIGHTING SHALL BE MAINTAINED IN OPERATION DURING THE HOURS OF DARKNESS BETWEEN 1/2 HOUR AFTER SUNSET AND 1/2 HOUR BEFORE SUNRISE AND WHEN CONDITIONS EXIST WHICH TEND TO OBSCURE VISION.
- BARRICADES SHALL BE SECURED TO THE GROUND BY APPROVED METHODS TO PREVENT MOVEMENT BY PROP WASH, JET BLAST OR OTHER WIND CURRENTS.
- THE ONLY COLOR COMBINATION ON BARRICADES IS ORANGE AND WHITE. THE ORANGE STRIPES SHALL BE ENCAPSULATED LENS REFLECTIVE SHEETING. THE WHITE STRIPES SHALL BE EITHER ENCAPSULATED OR ENCLOSED LENS REFLECTIVE SHEETING AND MUST BE IN ACCEPTABLE CONDITION.
- COST FOR PROVIDING, PLACING, MAINTAINING, RELOCATING AND REMOVING BARRICADES SHALL BE INCLUDED AS AN INCIDENTAL COST TO THE CONTRACT.
- BARRICADES MUST BE IN ACCEPTABLE CONDITION.



TEMPORARY CLOSURE CROSS DETAIL
NOT TO SCALE

TEMPORARY CLOSURE CROSS NOTES

- TEMPORARY CLOSED RUNWAY AND CLOSED TAXIWAY MARKINGS SHALL BE AVIATION YELLOW.
- TEMPORARY CLOSED RUNWAY MARKINGS SHALL BE CONSTRUCTED OF PLYWOOD, DOUBLE-LAYERED SNOW FENCE OR APPROVED FABRIC AND SHALL BE SECURED TO PAVEMENT BY SANDBAGS OR OTHER APPROVED METHOD.
- TEMPORARY CLOSED RUNWAY MARKINGS SHALL BE PLACED OVER THE RUNWAY DESIGNATION NUMBERS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- TEMPORARY CLOSED TAXIWAY MARKINGS SHALL BE PLACED WHEN AN ADJACENT RUNWAY IS OPEN AND THE TAXIWAY IS CLOSED MORE THAN 72 HOURS. THE CLOSED TAXIWAY MARKINGS SHALL BE PLACED AS SHOWN ON THIS SHEET. MARKINGS SHALL BE CONSTRUCTED USING A TEMPORARY PAINT THAT CAN BE EASILY REMOVED WITH WATER WITHOUT DEFACING THE PAVEMENT.
- THE PROPOSED CROSSES WILL BE PLACED EACH DAY THE RUNWAY OR TAXIWAY IS CLOSED AND REMOVED WHEN THE RUNWAY OR TAXIWAY IS RE-OPENED. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PLACEMENT AND REMOVAL OF THE CROSSES.

AIRFIELD PAVEMENT MAINTENANCE AND MARKING

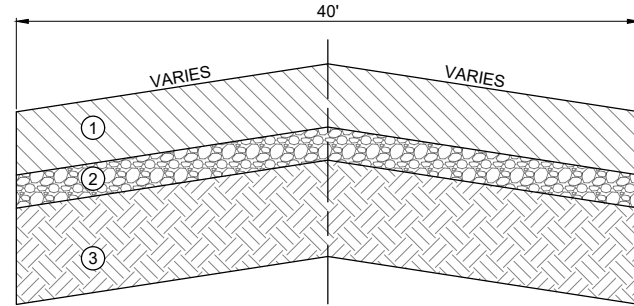
IDA No: 2H0-4487
SBG No.:
3-17-SBGP-139/144

Contract No. SE006

NO.	DATE	DESCRIPTION		
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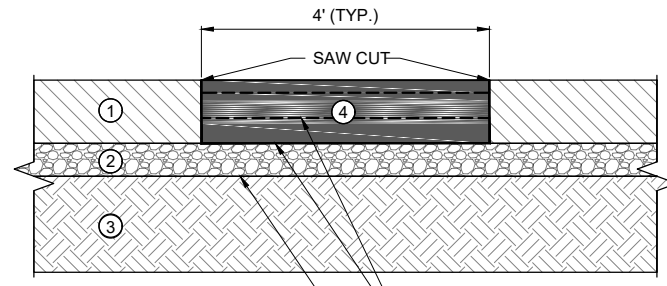
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PROJECT NO: 20A100D
CAD FILE: G-003-SFY.DWG
DESIGN BY: MJD 03/18/2021
DRAWN BY: MJD 03/18/2021
REVIEWED BY: LDH

CONSTRUCTION SAFETY PHASING NOTES AND DETAILS



TYPICAL SECTION TAXIWAY "A"

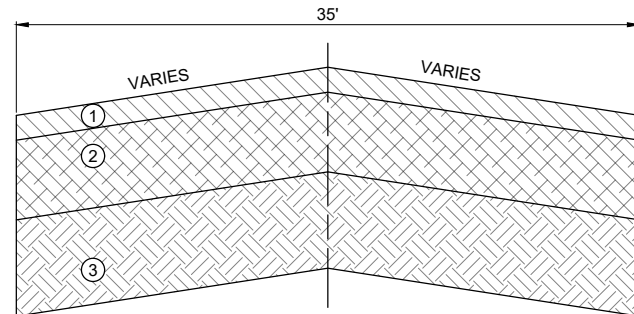
- ① EXISTING BIT. SURFACE COURSE (7 1/2" AVG.)
- ② EXISTING CRUSHED AGGREGATE BASE COURSE (6" AVE.)
- ③ EXISTING EARTH SUBGRADE



TACK COAT BETWEEN LIFTS & EXPOSED EDGES
COMPACT EXISTING CRUSHED
AGGREGATE BASE COURSE TO SATISFACTION OF RESIDENT ENGINEER

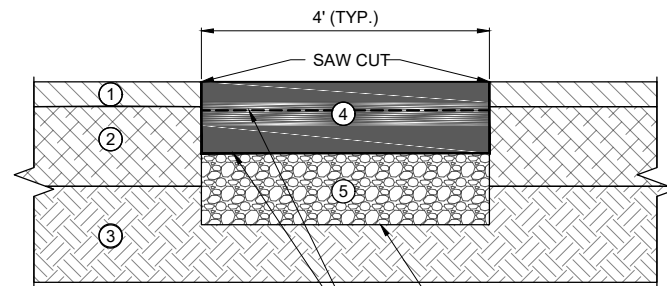
FULL DEPTH REMOVE & REPLACE BIT. PAVEMENT AT TAXIWAY "A"

- ① EXISTING BIT. SURFACE COURSE (7 1/2" AVG.)
- ② EXISTING CRUSHED AGGREGATE BASE COURSE (6" AVE.)
- ③ EXISTING EARTH SUBGRADE
- ④ PROPOSED BITUMINOUS SURFACE COURSE - 3" MAXIMUM LIFTS (7.5")



TYPICAL SECTION TAXIWAY "B"

- ① EXISTING BIT. SURFACE COURSE (1.5" AVG.)
- ② EXISTING RECYCLED BASE COURSE (6" AVE.)
- ③ EXISTING LIME MODIFIED SUBGRADE (12")



COMPACT CRUSHED
AGGREGATE BASE COURSE (209)
TACK COAT BETWEEN
LIFTS & EXPOSED EDGES

FULL DEPTH REMOVE & REPLACE BIT. PAVEMENT AT TAXIWAY "B"

- ① EXISTING BIT. SURFACE COURSE (1.5" AVG.)
- ② EXISTING RECYCLED BASE COURSE (6" AVE.)
- ③ EXISTING LIME MODIFIED SUBGRADE (12")
- ④ PROPOSED BITUMINOUS SURFACE COURSE (5") - 3' MAXIMUM LIFTS
- ⑤ PROPOSED COMPACTED CRUSHED AGGREGATE BASE (6")

SHELBY COUNTY AIRPORT

P.O. BOX 295
Assumption, IL 62510

AIRFIELD PAVEMENT
MAINTENANCE AND
MARKING

IDA No: 2H0-4487
SBG No.:
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Contract No. SE006

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE:
PROJECT NO: 20A100D
CAD FILE: C-301-TYP.DWG
DESIGN BY: CWS 11/25/2020
DRAWN BY: CWS 11/13/2020
REVIEWED BY: LDH

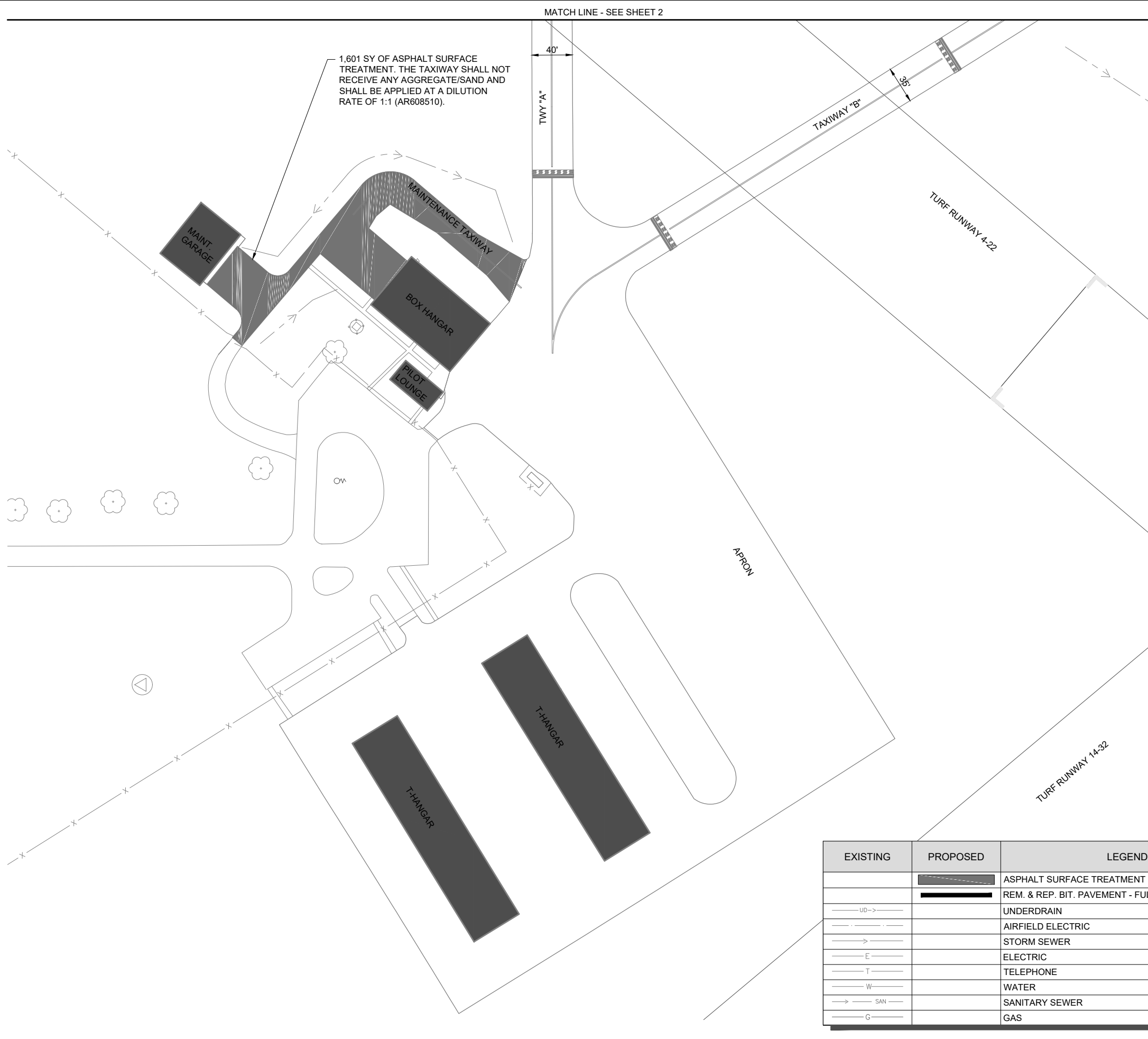
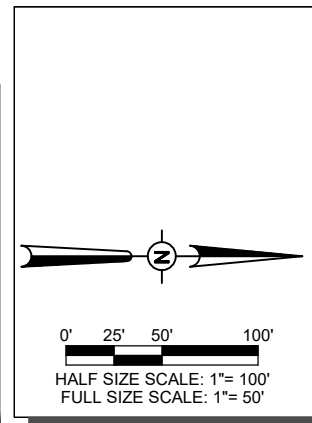
TYPICAL PAVEMENT
SECTIONS

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE:
PROJECT NO: 20A100D
CAD FILE: C-101-CON.DWG
DESIGN BY: CWS 11/24/2020
DRAWN BY: CWS 11/24/2020
REVIEWED BY: LDH

- UTILITY NOTES**
1. THE CONTRACTOR SHALL EXAMINE THE SITE TO CONFIRM AND FIELD VERIFY EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL FIELD VERIFY RESPECTIVE CIRCUITS AND POWER SOURCES PRIOR TO REMOVING, DISCONNECTING, WORKING ON, RELOCATING, RECONNECTING, AND/OR INSTALLING THE RESPECTIVE AIRFIELD LIGHTING, TAXI SIGN, NAVAD, OR OTHER DEVICES. CONTRACTOR SHALL REPORT ANY VARIATIONS, DEFICIENCIES, AND/OR APPARENT SAFETY CONCERNS TO THE RESIDENT ENGINEER/TECHNICIAN.
 2. WHEN A RUNWAY IS CLOSED THE RESPECTIVE LIGHTING AND NAVAIDS SHALL BE SHUT OFF. WHEN A TAXIWAY IS CLOSED THE RESPECTIVE LIGHTING SYSTEM SHALL BE SHUT OFF.
 3. ALL WORK, POWER OUTAGES, AND/OR SHUT DOWN OF EXISTING SYSTEMS SHALL BE COORDINATED WITH THE AIRPORT MANAGER/DIRECTOR AND RESIDENT ENGINEER/TECHNICIAN.
- CONSTRUCTION NOTES**
- ASPHALT SURFACE TREATMENT**
1. THE EXISTING ASPHALT SURFACE TREATMENT, INCLUDING FRICTION TESTING, SHALL BE COMPLETED IN ACCORDANCE WITH ITEM 608 OF THE SPECIAL PROVISIONS.
 2. THE ASPHALT SURFACE TREATMENT WILL REQUIRE A 30 DAY CURE TIME BEFORE THE SECOND COAT OF PAVEMENT MARKING IS APPLIED. CONTRACT TIME WILL BE SUSPENDED OVER THAT PERIOD.
 3. THE ASPHALT SURFACE TREATMENT PRODUCT SHALL BE APPLIED AT A DILUTION RATE OF 2:1 (2 PARTS PRODUCT TO 1 PART WATER) FOR RUNWAY PAVEMENT AND A RATE OF 1:1 ON TAXIWAY PAVEMENT. THE APPLICATION RATE SHALL BE BETWEEN 0.08 TO 0.17 GAL/SY, AND WILL BE DETERMINED BY THE PRODUCTS TECHNICAL REPRESENTATIVE.
- CLEAN & SEAL BITUMINOUS CRACKS**
1. A NOMINAL QUANTITY OF AR201661 "CLEAN AND SEAL BITUMINOUS CRACKS" HAS BEEN INCLUDED AND WILL BE LAID OUT BY THE RESIDENT ENGINEER.
- REMOVE & REPLACE BITUMINOUS PAVEMENT**
1. SEE TYPICAL SECTIONS FOR PATCHING. PATCHING LOCATIONS ARE APPROXIMATE AND WILL BE CONFIRMED AND LAID OUT BY THE RESIDENT ENGINEER/TECHNICIAN.
 2. ALL PATCHES ARE FULL DEPTH AND WERE DETERMINED DURING A FIELD SURVEY. UPON INSPECTION BY RESIDENT ENGINEER/TECHNICIAN, PATCHES WILL BE LAID OUT AND MAY EITHER BE LOCATED ON EITHER TAXIWAY A OR B. ALL PATCHES WILL BE MEASURED AND PAID FOR BY AR401916.

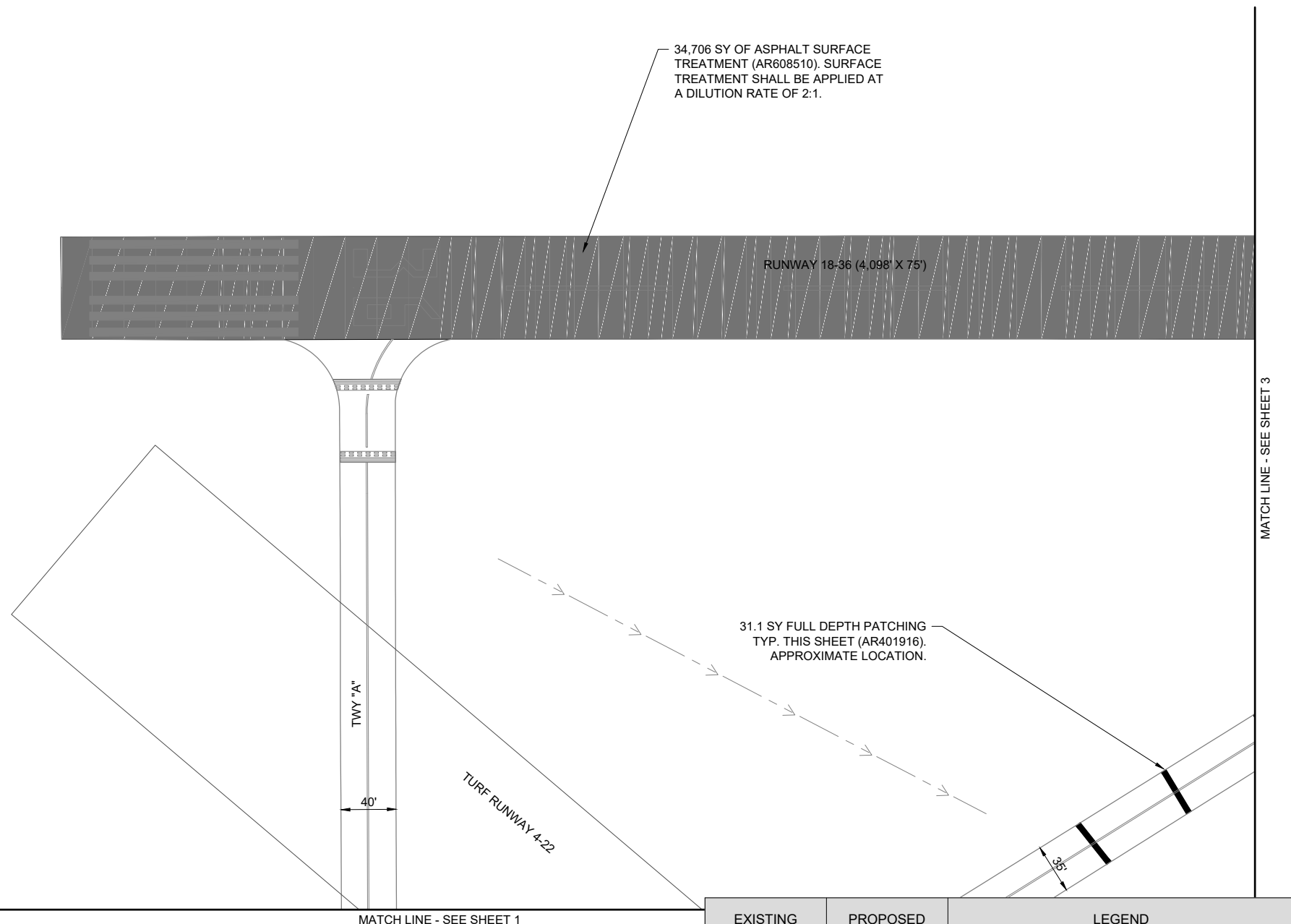
EXISTING	PROPOSED	LEGEND
		ASPHALT SURFACE TREATMENT (AS608510)
		REM. & REP. BIT. PAVEMENT - FULL DEPTH (AR401916)
		UNDERDRAIN
		AIRFIELD ELECTRIC
		STORM SEWER
		ELECTRIC
		TELEPHONE
		WATER
		SANITARY SEWER
		GAS



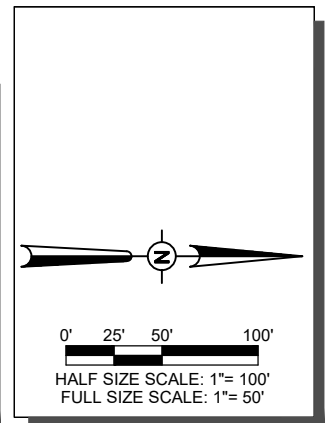
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ISSUE:
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DRAWN BY: CWS 11/24/2020
REVIEWED BY: LDH

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EXISTING	PROPOSED	LEGEND
		ASPHALT SURFACE TREATMENT (AS608510)
		REM. & REP. BIT. PAVEMENT - FULL DEPTH (AR401916)
		UNDERDRAIN
		AIRFIELD ELECTRIC
		STORM SEWER
		ELECTRIC
		TELEPHONE
		WATER
		SANITARY SEWER
		GAS



**AIRFIELD PAVEMENT
 MAINTENANCE AND
 MARKING**

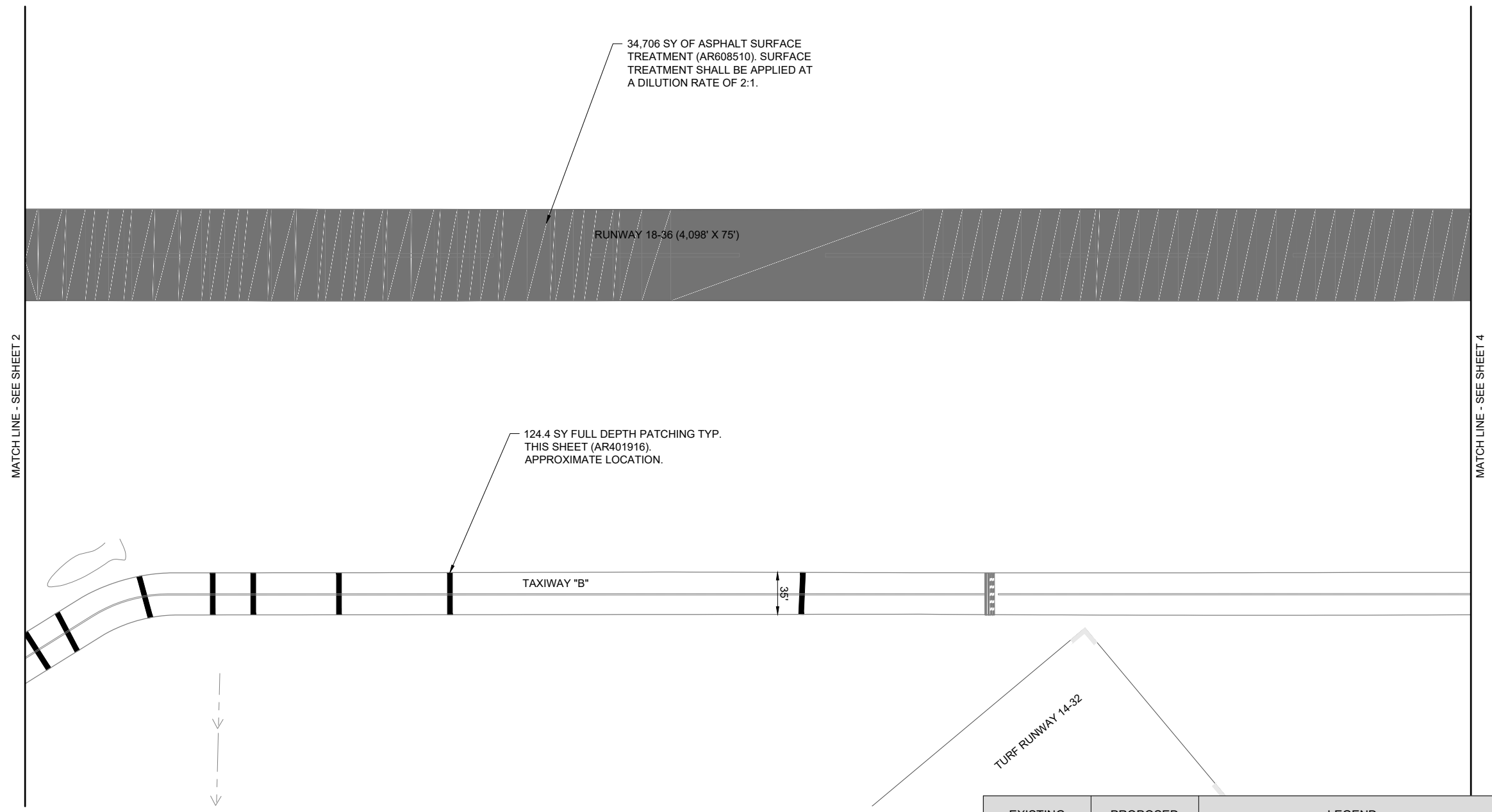
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 SBG No.:
 3-17-SBGP-139/144

Contract No. SE006

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

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 PROJECT NO: 20A100D
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 DRAWN BY: CWS 11/24/2020
 REVIEWED BY: LDH

**PROPOSED
 PAVEMENT
 PREPARATION PLAN
 SHEET 3**



EXISTING	PROPOSED	LEGEND
		ASPHALT SURFACE TREATMENT (AS608510)
		REM. & REP. BIT. PAVEMENT - FULL DEPTH (AR401916)
-UD->		UNDERDRAIN
-E-		AIRFIELD ELECTRIC
->		STORM SEWER
-E-		ELECTRIC
-T-		TELEPHONE
-W-		WATER
-> SAN -		SANITARY SEWER
-G-		GAS

0' 25' 50' 100'

HALF SIZE SCALE: 1"= 100'
 FULL SIZE SCALE: 1"= 50'

**AIRFIELD PAVEMENT
MAINTENANCE AND
MARKING**

IDA No: 2H0-4487
SBG No.:
3-17-SBGP-139/144

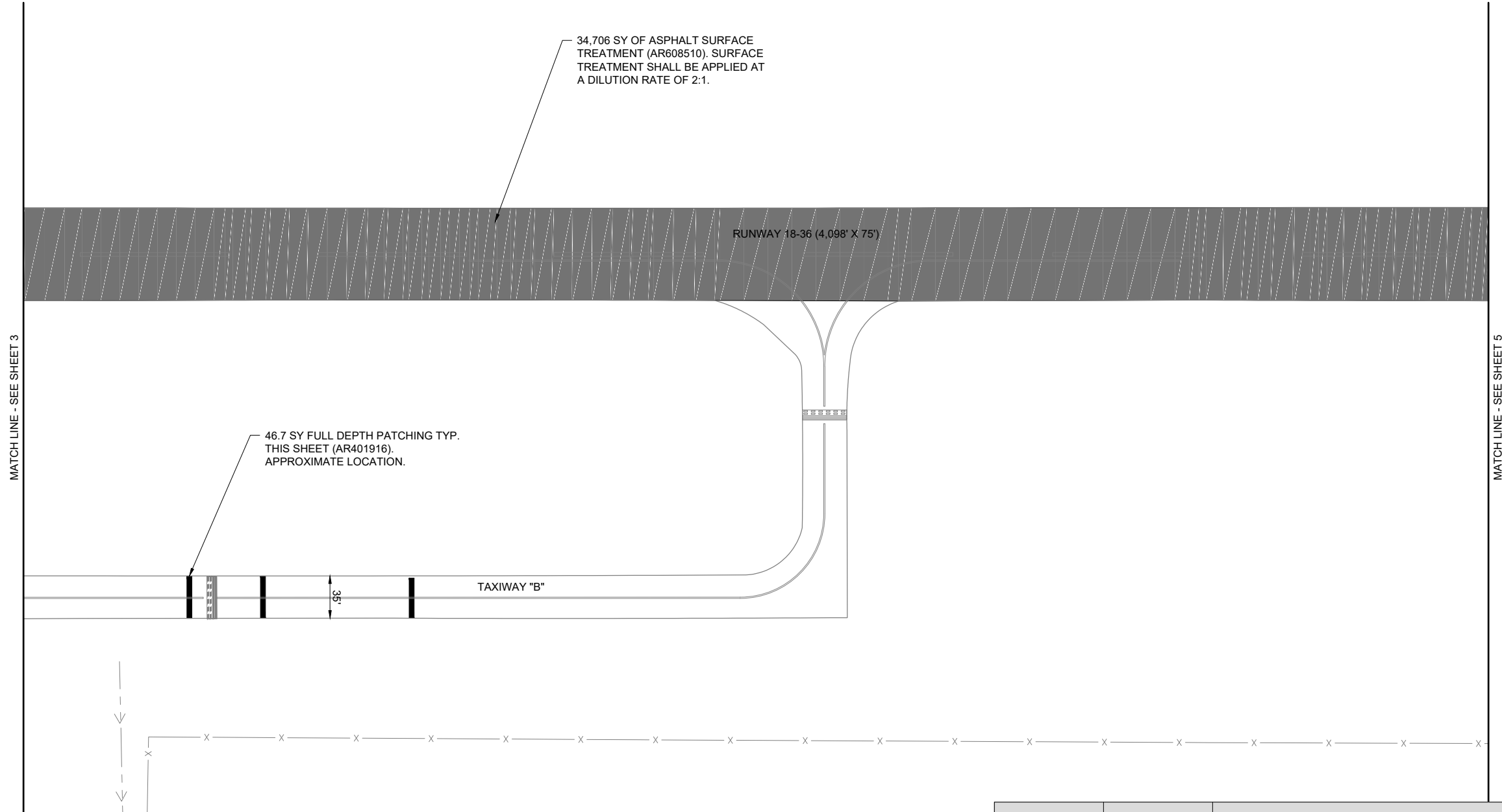
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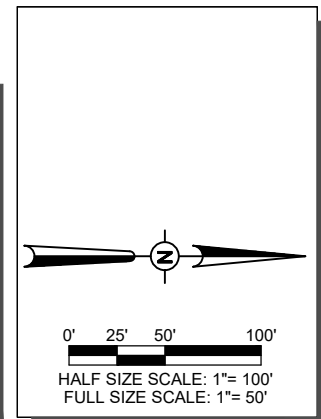
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PROJECT NO: 20A100D
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REVIEWED BY: LDH

**PROPOSED
PAVEMENT
PREPARATION PLAN
SHEET 4**



EXISTING	PROPOSED	LEGEND
		ASPHALT SURFACE TREATMENT (AS608510)
		REM. & REP. BIT. PAVEMENT - FULL DEPTH (AR401916)
		UNDERDRAIN
		AIRFIELD ELECTRIC
		STORM SEWER
		ELECTRIC
		TELEPHONE
		WATER
		SANITARY SEWER
		GAS



**AIRFIELD PAVEMENT
MAINTENANCE AND
MARKING**

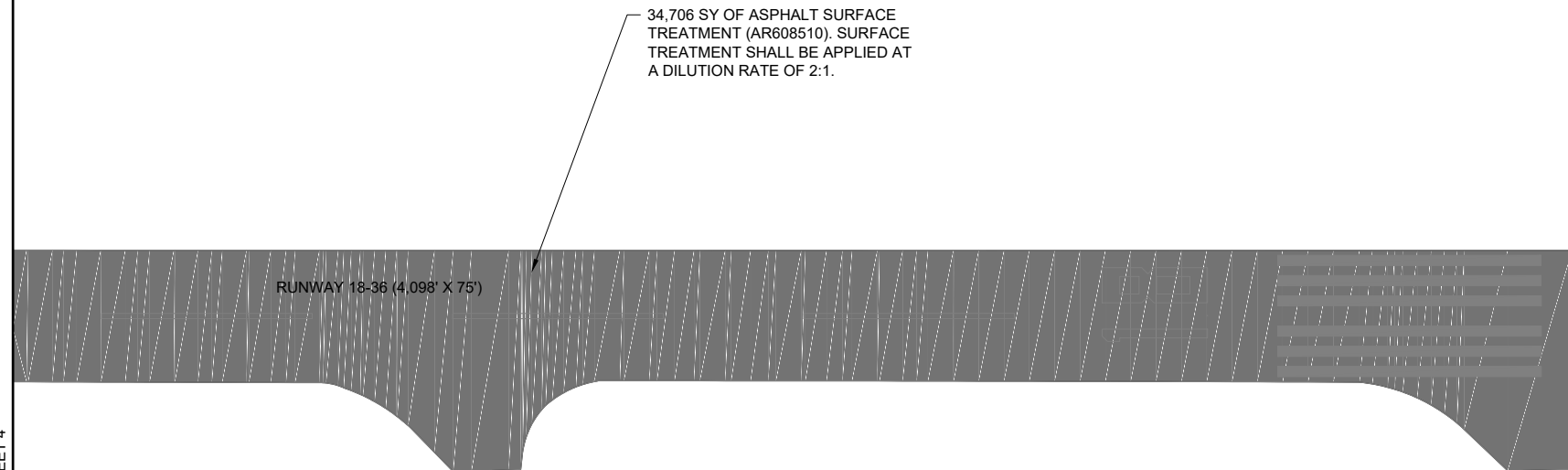
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Contract No. SE006

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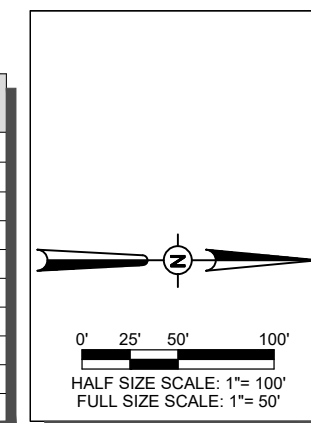
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CAD FILE: C-101-CON.DWG
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**PROPOSED
PAVEMENT
PREPARATION PLAN
SHEET 5**



MATCH LINE - SEE SHEET 4

EXISTING	PROPOSED	LEGEND
		ASPHALT SURFACE TREATMENT (AS608510)
		REM. & REP. BIT. PAVEMENT - FULL DEPTH (AR401916)
		UNDERDRAIN
		AIRFIELD ELECTRIC
		STORM SEWER
		ELECTRIC
		TELEPHONE
		WATER
		SANITARY SEWER
		GAS





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AIRFIELD PAVEMENT
 MAINTENANCE AND
 MARKING

IDA No: 2H0-4487
 SBG No.:
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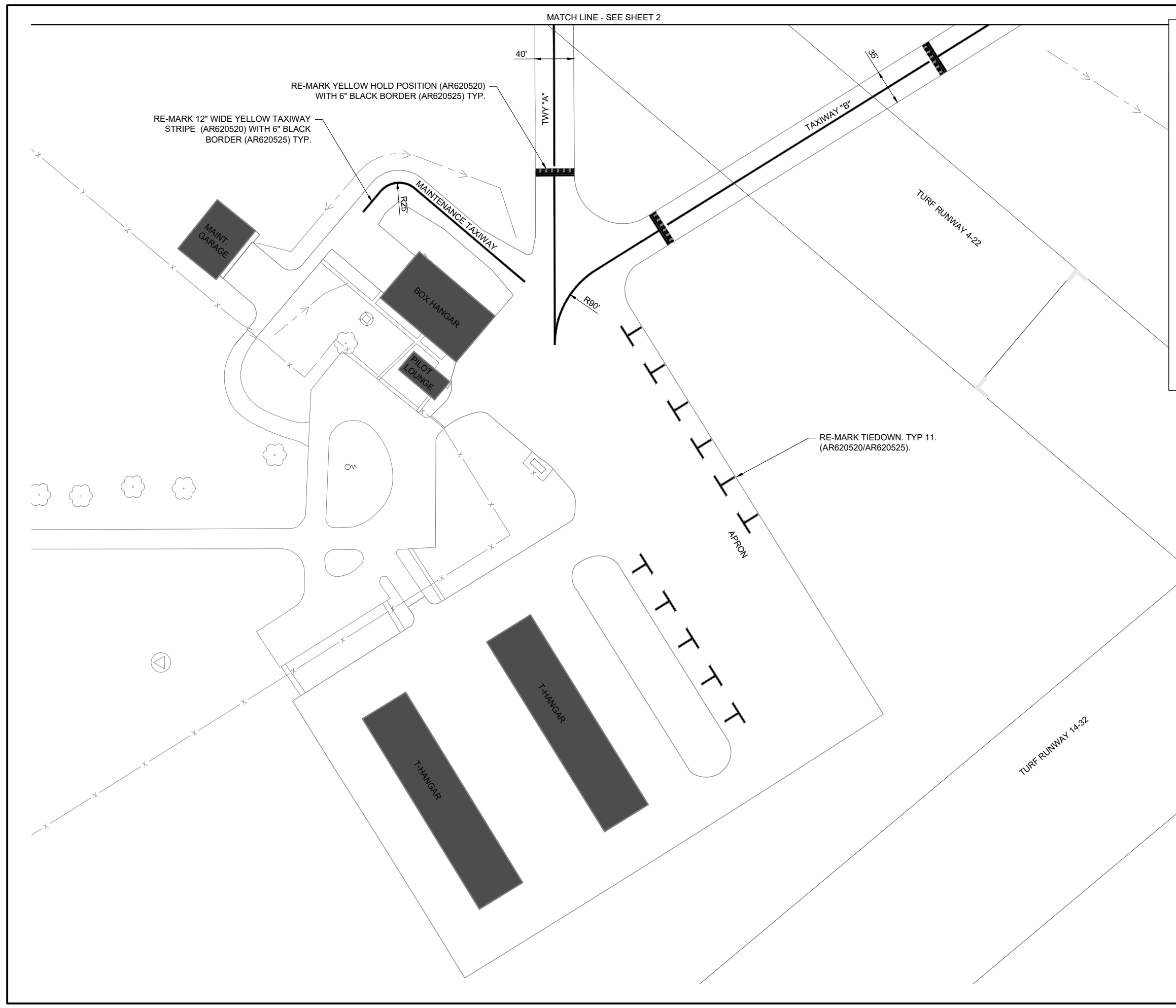
Contract No. SE006

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		DES	DWN	REV

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 PROJECT NO: 20A100D
 CAD FILE: C-102-MRK.DWG
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PROPOSED MARKING
 PLAN SHEET 1

- WATERBORNE PAVEMENT MARKING NOTES**
1. AN INITIAL COAT OF TEMPORARY MARKINGS SHALL BE PLACED AT 50% OF THE NORMAL APPLICATION RATE. BLACK MARKINGS SHALL NOT BE PLACED AS PART OF THE INITIAL COAT.
 2. A 30-DAY WAITING PERIOD WILL BE REQUIRED AFTER APPLYING THE ASPHALT SURFACE TREATMENT BEFORE PLACING THE FINAL APPLICATION OF MARKING PAINT.
 3. ON EXISTING POROUS FRICTION COURSE (PFC) THE SECOND APPLICATION MUST BE APPLIED IN THE OPPOSITE DIRECTION FROM THE FIRST APPLICATION.
 4. WATERBORNE BLACK PAINT SHALL BE USED TO OUTLINE A MINIMUM 6-INCH BORDER AROUND ALL MARKINGS AND WILL BE APPLIED IN ONE APPLICATION.
 5. GLASS BEADS SHALL BE APPLIED ON THE SECOND COAT OF MARKING. GLASS BEADS SHALL NOT BE APPLIED TO BLACK PAINT.
 6. CUT-OFF SHEETS WILL BE REQUIRED TO ENSURE STRAIGHT EDGES.
 7. THE CONTRACTOR WILL BE RESPONSIBLE FOR RE-MARKING ANY MARKINGS DAMAGED BY CONSTRUCTION ACTIVITIES.



0' 25' 50' 100'

HALF SIZE SCALE: 1"= 100'
 FULL SIZE SCALE: 1"= 50'

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**AIRFIELD PAVEMENT
 MAINTENANCE AND
 MARKING**

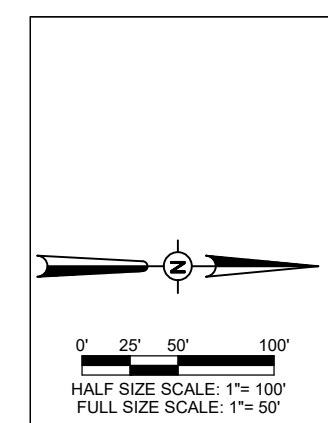
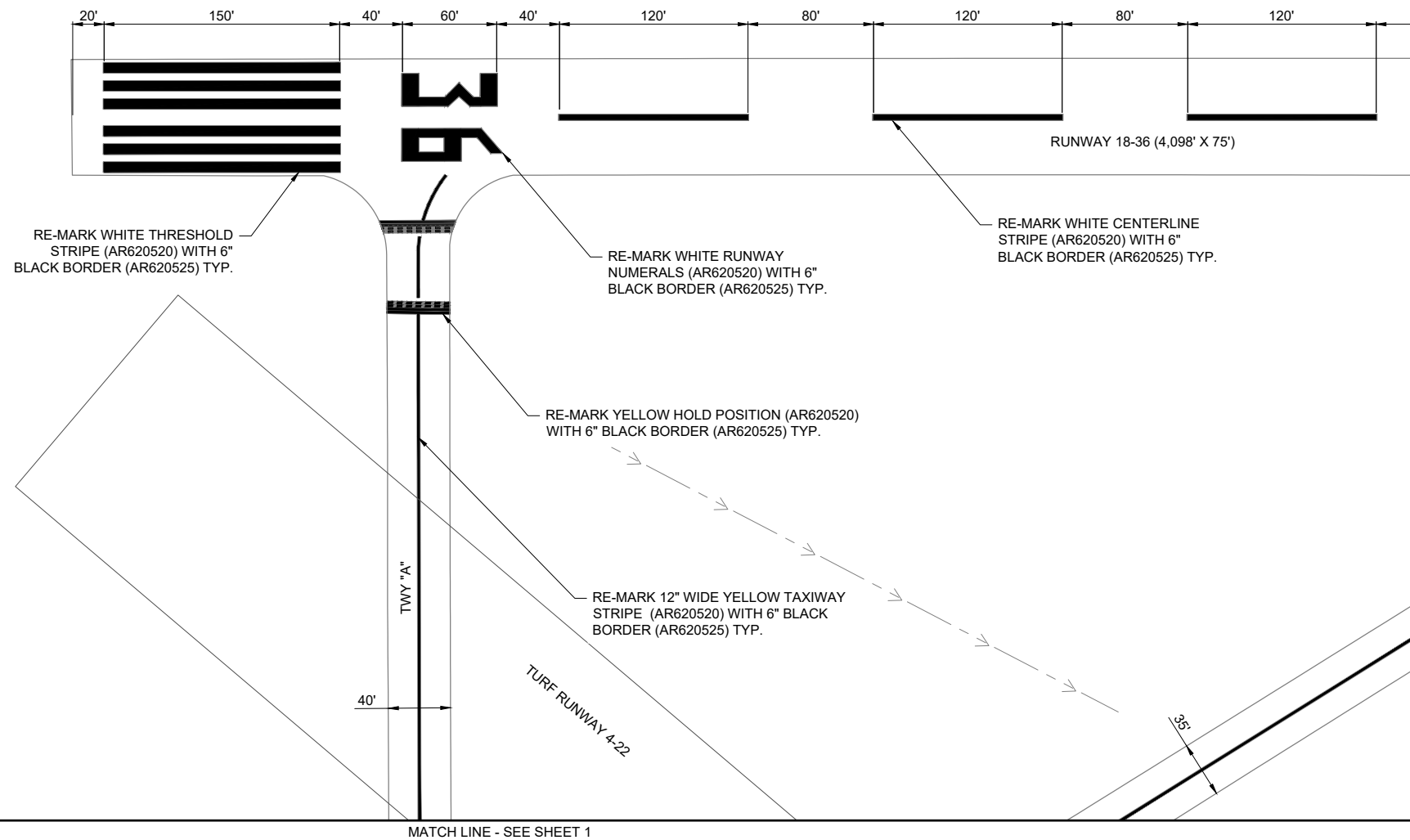
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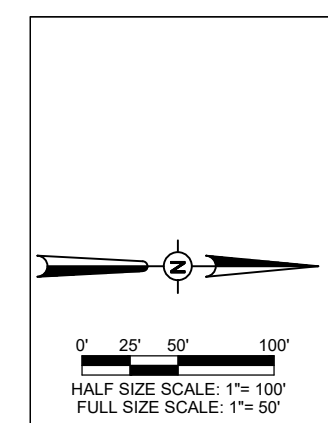
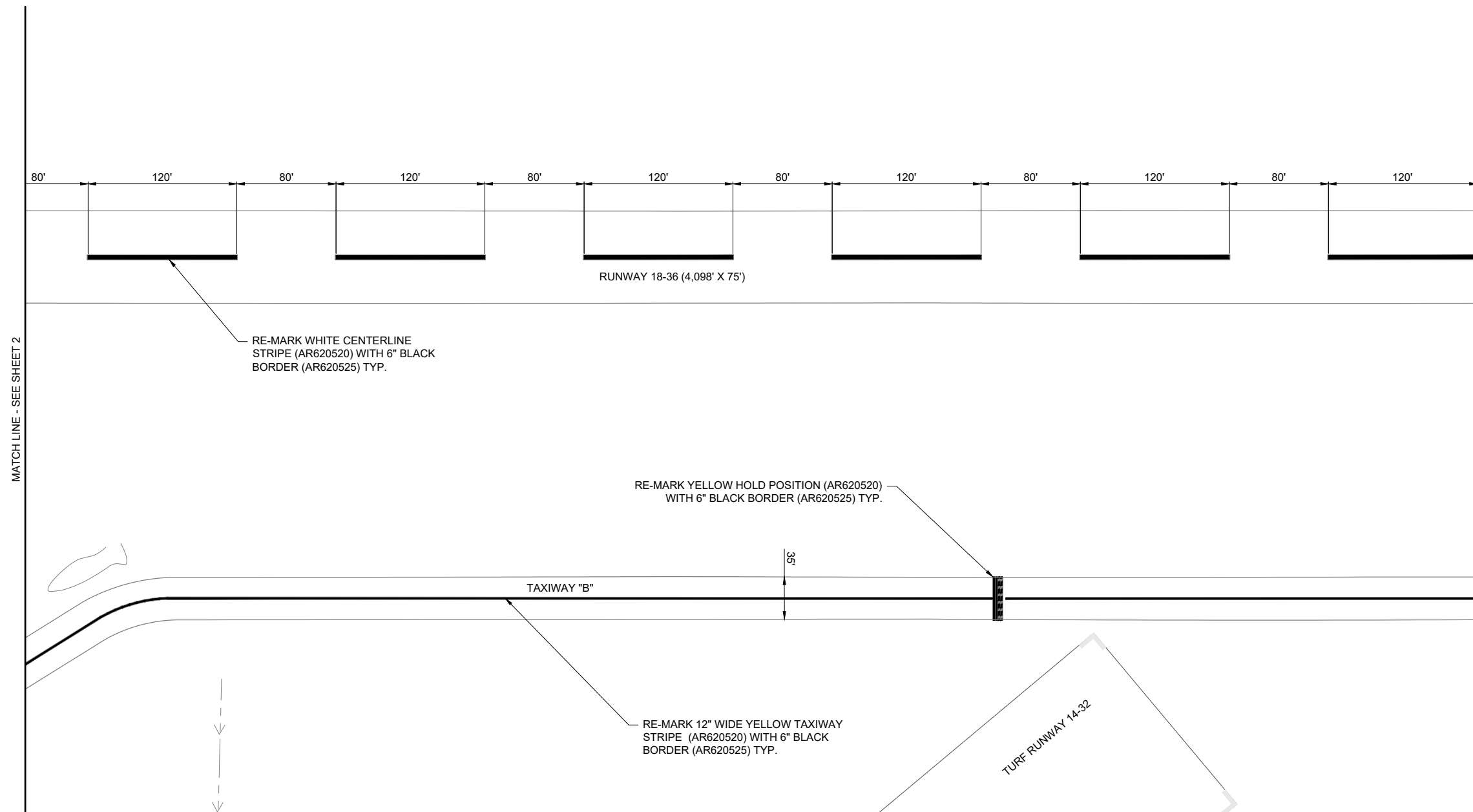
**PROPOSED MARKING
 PLAN SHEET 2**



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NO.	DATE	DESCRIPTION		
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 REVIEWED BY: LDH



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**AIRFIELD PAVEMENT
 MAINTENANCE AND
 MARKING**

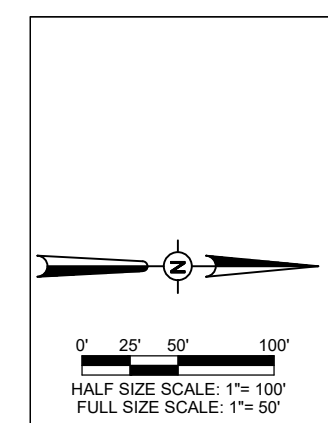
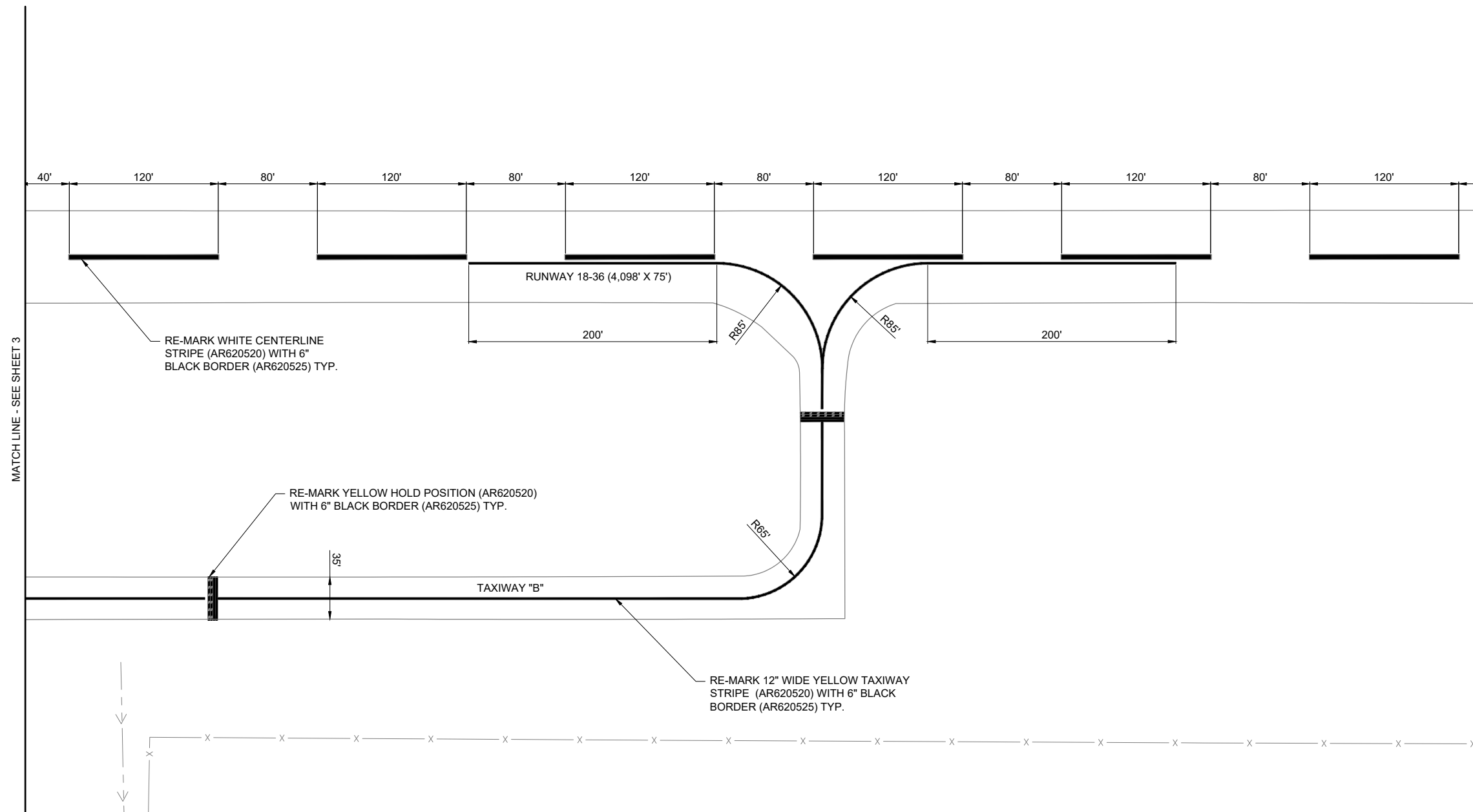
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Contract No. SE006

NO.	DATE	DESCRIPTION		
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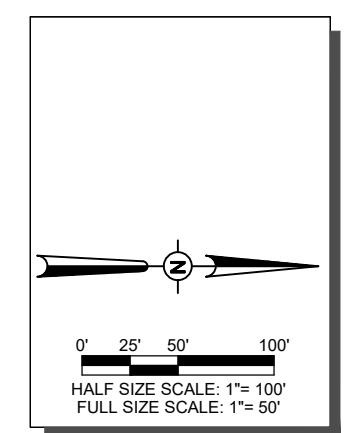
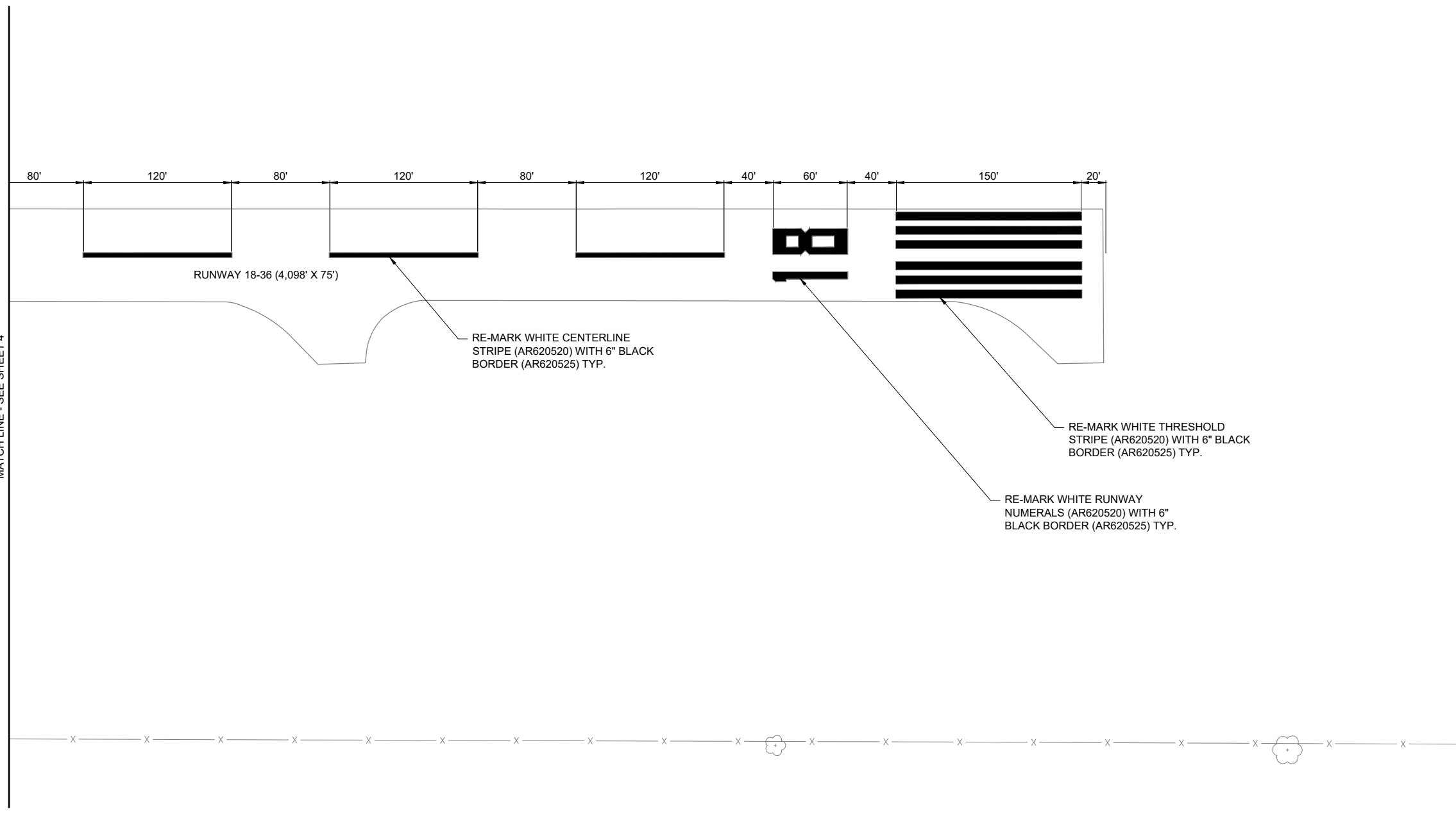
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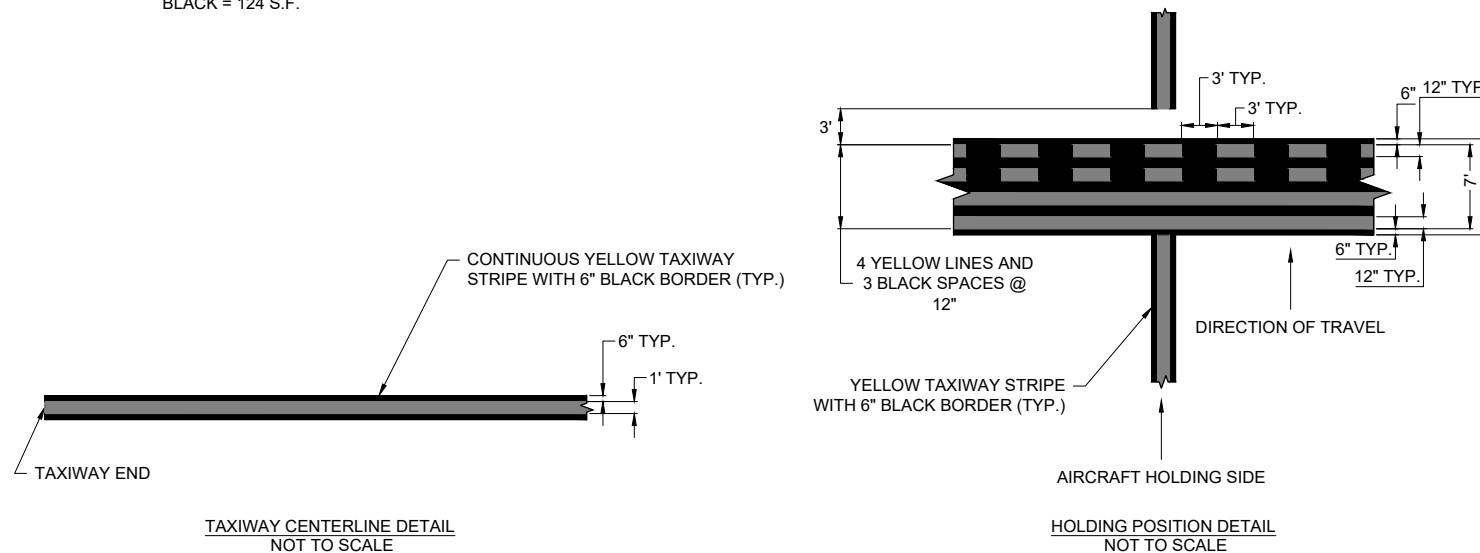
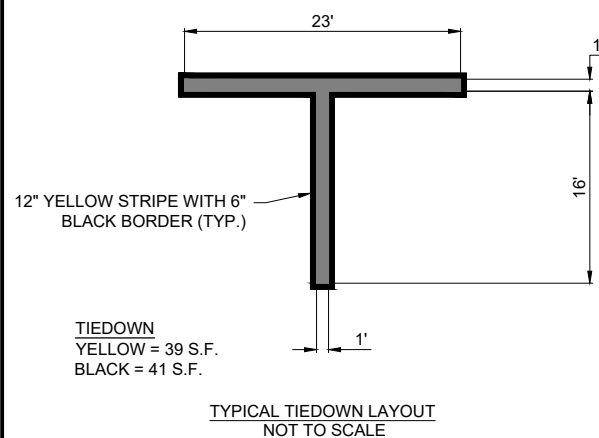
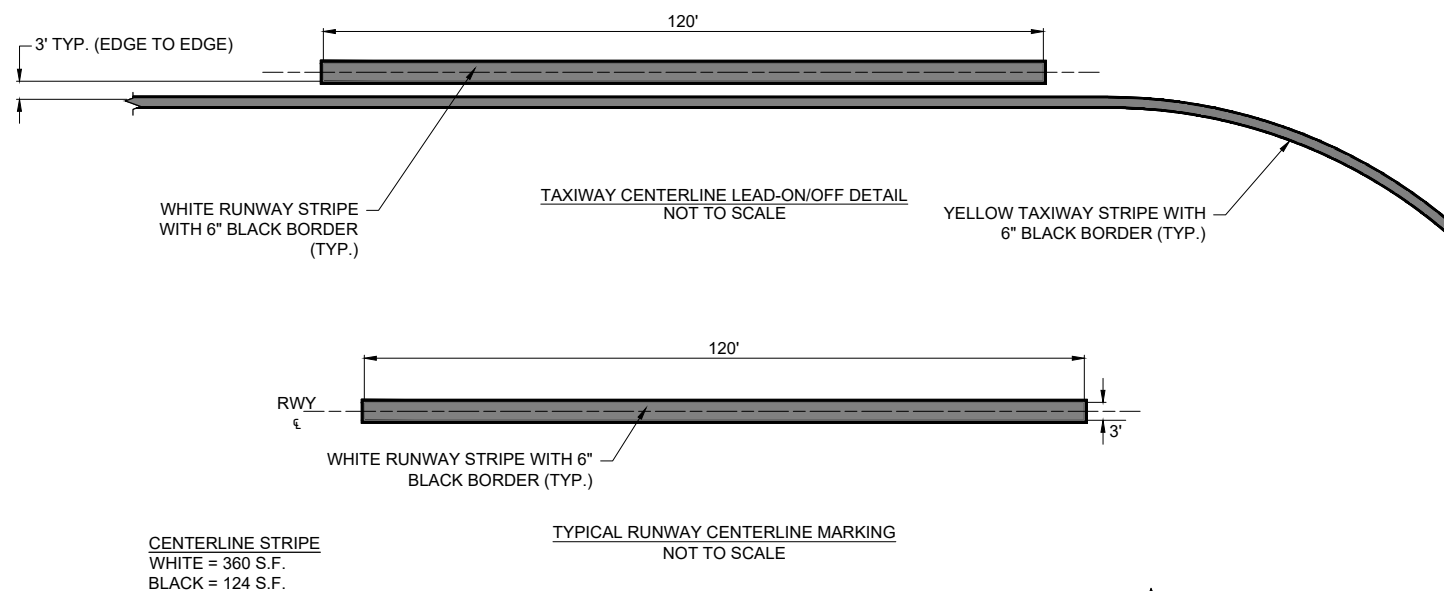
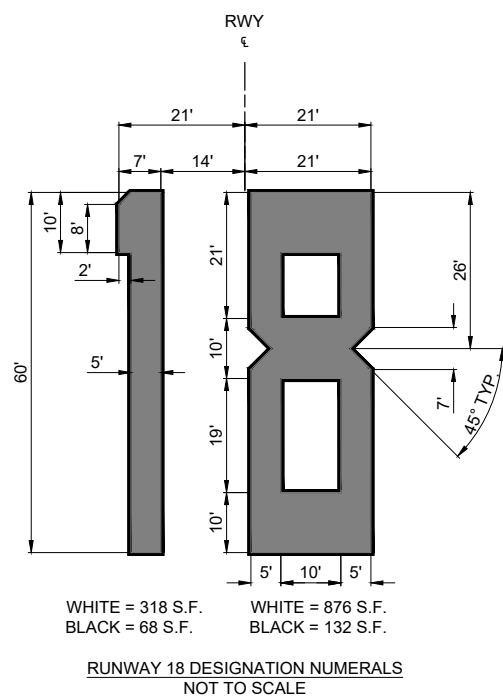
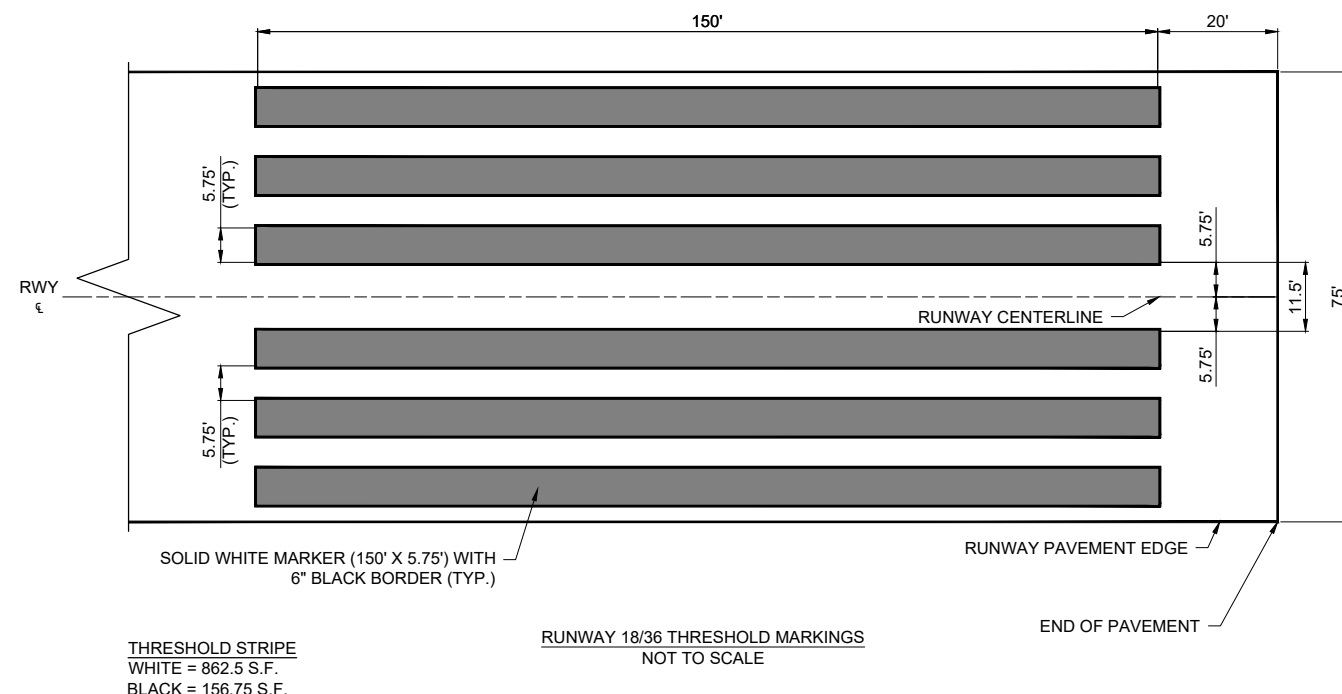
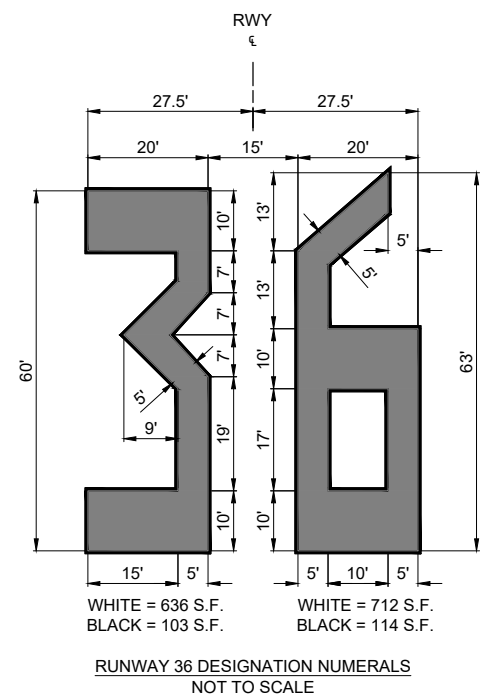
**PROPOSED MARKING
 PLAN SHEET 4**



NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE:
 PROJECT NO: 20A100D
 CAD FILE: C-102-MRK.DWG
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 DRAWN BY: CWS 11/24/2020
 REVIEWED BY: LDH





AIRFIELD PAVEMENT MAINTENANCE AND MARKING

IDA No: 2H0-4487
SBG No.: 3-17-SBGP-139/144

Contract No. SE006

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE:
PROJECT NO: 20A100D
CAD FILE: C-501-DET.DWG
DESIGN BY: MJD 11/25/2020
DRAWN BY: MJD 11/25/2020
REVIEWED BY: LDH

MARKING DETAILS