

CITY OF PHOENIX

AVIATION DEPARTMENT

DESIGN & CONSTRUCTION SERVICES



PROJECT NAME

**DEER VALLEY AIRPORT RELOCATE TAXIWAY B &
CONSTRUCT CONNECTORS B6/B9 - GMP 1**

ADDRESS

702 WEST DEER VALLEY DRIVE, PHOENIX, AZ 85027

PROJECT NUMBERS

AV31000092 FAA

FAA AIP NUMBER

3-04-0028-045-2023

MAYOR
KATE GALLEGO

VICE MAYOR
YASSAMIN ANSARI

CITY COUNCIL

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DISTRICT NO. 2 JIM WARING
DISTRICT NO. 3 DEBRA STARK
DISTRICT NO. 4 LAURA PASTOR

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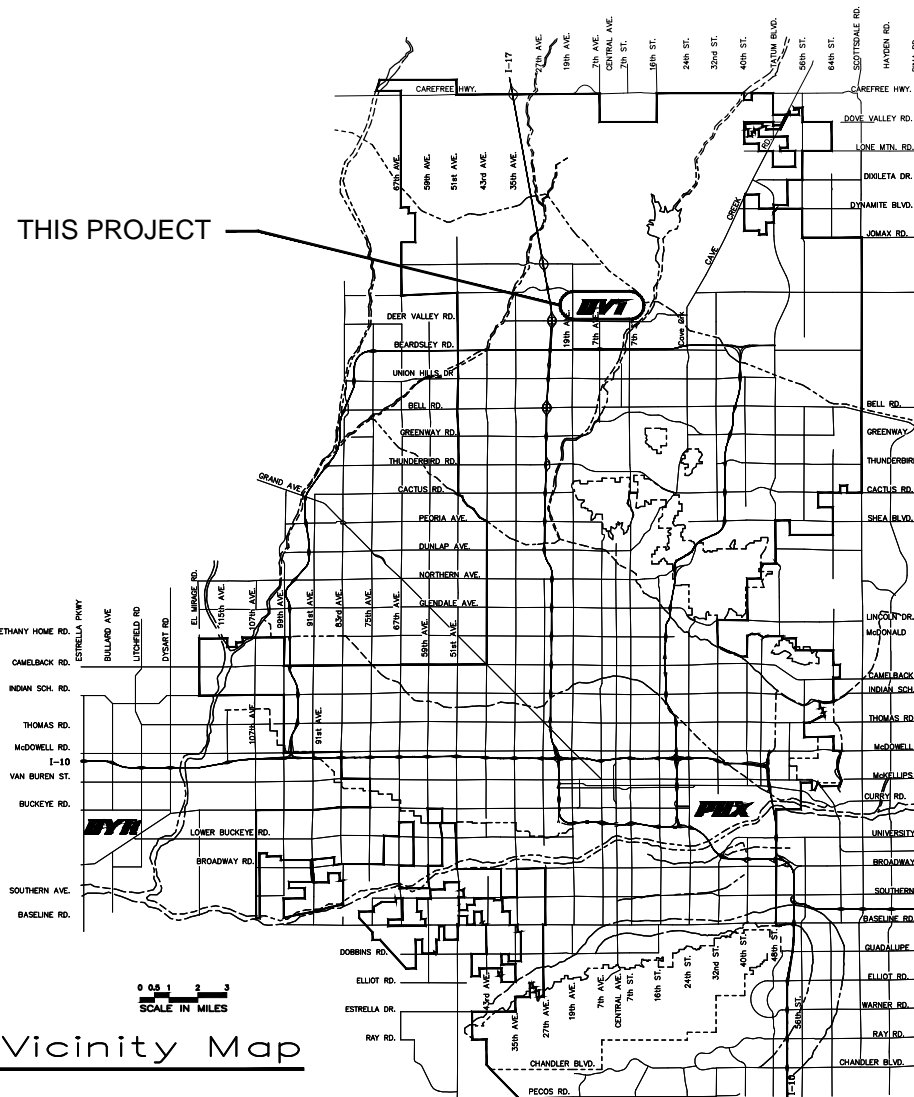
APPROVALS

DEPUTY AVIATION DIRECTOR
DESIGN & CONSTRUCTION SERVICES DIVISION

DATE

CITY ENGINEER

DATE



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SCALE IN MILES

Vicinity Map



AV31000092 FAA - 90% PRELIMINARY

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT

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LEGEND

DESCRIPTION	EXISTING	PROPOSED
CONCRETE SIGN BASE		
TAXIWAY EDGE LIGHT		
ELECTRICAL CAN COVER		
RUNWAY GUARD LIGHT		
SANITARY SEWER AND MANHOLE		
STORM DRAIN, MANHOLE & INLET		
RUNWAY/TAXIWAY CENTERLINE	---	---
CHAIN LINK FENCE	X	X
MAJOR CONTOUR LINES	---1125---	---1125---
MINOR CONTOUR LINES	---	---
FIBER OPTIC	---FO---	---FO---
GRADE BREAK	---	---
FLOW LINE	---	---
APS MANHOLE		
MONITORING WELL		
WATER LINE	---W _x ---	---W---
COMMUNICATION	---CU _x ---	---CU---
GAS LINE	---G _x ---	---G---
FAA	---	---
ELECTRICAL	---EU _x ---	---EU---
RUNWAY SAFETY AREA	---RSA---	---RSA---
TAXIWAY SAFETY AREA	---TSA---	---TSA---
RUNWAY PROTECTION ZONE	---RPZ---	---RPZ---
TAXIWAY OBJECT FREE AREA	---TOFA---	---TOFA---
RUNWAY OBJECT FREE AREA	---ROFA---	---ROFA---
RUNWAY OBSTACLE FREE ZONE	---ROFZ---	---ROFZ---
PROTECT IN PLACE NOTE		
ADJUSTMENT OR REMOVAL NOTE		
CONSTRUCTION NOTE		
SWPPP NOTE		
PAVEMENT MARKING NOTE		
SPOT ELEVATION		
SPOT ELEVATION-CATCH BASIN GRATE		
SAWCUT FULL DEPTH		
RUNWAY THRESHOLD LIGHT		
RUNWAY EDGE LIGHT		
FLUSH RUNWAY/TAXIWAY LIGHT		
RUNWAY END IDENTIFIER LIGHT		
SIGN		
LIGHT		
DUCT MARKER		
WIND SOCK		

ABBREVIATIONS

ABBREVIATIONS	DEFINITIONS
#	REBAR SIZE NUMBER
@	AT
7L/25R	RUNWAY DESIGNATION
ABC	AGGREGATE BASE COURSE
AC	ASPHALTIC CONCRETE
ADEQ	ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
ADOT	ARIZONA DEPARTMENT OF TRANSPORTATION
ARFF	AIRCRAFT RESCUE AND FIRE FIGHTING
AIP	AIRPORT IMPROVEMENT PROGRAM
ALT	ALTERNATE
AOA	AIR OPERATIONS AREA
APPROX	APPROXIMATE
APS	ARIZONA PUBLIC SERVICE
ATCT	AIR TRAFFIC CONTROL TOWER
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
BC	BEGIN CURVE
BOT	BOTTOM
BVC	BEGIN VERTICAL CURB
CL OR C _l	CENTER LINE
C TO C	CENTER TO CENTER
CFS	CUBIC FEET PER SECOND
C.I.	CONTOUR INTERVAL
CMP	CORRUGATED METAL PIPE
COP	CITY OF PHOENIX
CPM	CRITICAL PATH METHOD
CTB	CEMENT TREATED BASE
CONC	CONCRETE
CONST	CONSTRUCTION
CLSM	CONTROLLED LOW STRENGTH MATERIAL
CPM	CRITICAL PATH METHOD
CF OR CU FT	CUBIC FEET
CY	CUBIC YARDS
CZ	CLEAR ZONE
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
D ₅₀	DIAMETER OF 50% ROCK SIZE
DVT	DEER VALLEY AIRPORT
E	EAST OR EASTING
EA	EACH
ELEC	ELEC/ELECTRICAL
EL OR ELEV	ELEVATION
ESMT	EASEMENT
EVC	END VERTICAL CURVE
EX OR EXST	EXISTING
FAA	FEDERAL AVIATION ADMINISTRATION
FIN	FINISHED
FL OR F _l	FLOW LINE
FT	FOOT
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GPM	GALLONS PER MINUTE
HP	HIGH POINT
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
ILS	INSTRUMENT LANDING SYSTEM
JB	JUNCTION BOX
KV	KILOVOLT
L	LENGTH OR LEFT
LBS	POUNDS
LF	LINEAL FOOT
LS	LUMP SUM
LT	LEFT
LTB	LIME TREATED BASE

ABBREVIATIONS

ABBREVIATIONS	DEFINITIONS
MAG	MARICOPA ASSOCIATION OF GOVERNMENTS
MAX	MAXIMUM
ME	MATCH EXISTING
MH	MANHOLE
MIN	MINIMUM
N	NORTH OR NORTHING
NAVD	NORTH AMERICAN VERTICAL DATUM
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NOTAM	NOTICE TO AIRMAN
NO.	NUMBER
N.O.I.	NOTICE OF INTENT
N.O.T.	NOTICE OF TERMINATION
NPI	NON-PAY-ITEM
NTS	NOT TO SCALE
N/A	NON APPLICABLE
PVI	POINT OF VERTICAL INTERSECTION
OC	ON CENTER
OD	OUTSIDE DIAMETER
PC	POINT OF CURVATURE
PCC	PORTLAND CEMENT CONCRETE
PCCP	PORTLAND CEMENT CONCRETE PAVEMENT
PETRO	PETROLEUM
PI	POINT OF INTERSECTION
PROP	PROPOSED
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
R	RADIUS OR RIGHT
RCP	REINFORCED CONCRETE PIPE
REIL	RUNWAY END IDENTIFIER LIGHT
REINF	REINFORCING
RGRCP	RUBBER GASKET REINFORCED CONCRETE PIPE
ROFA	RUNWAY OBJECT FREE AREA
ROFZ	RUNWAY OBSTACLE FREE ZONE
ROW	RIGHT-OF-WAY
RPZ	RUNWAY PROTECTION ZONE
RSA	RUNWAY SAFETY AREA
RT	RIGHT
RWY	RUNWAY
S	SOUTH OR SLOPE
SAL	SAFETY AREA LIMITS
SCHD	SCHEDULE
SD	STANDARD DETAIL OR STORM DRAIN
SECT	SECTION
SF	SQUARE FEET OR SEMI-FLUSH
SHT	SHEET
SIDA	SECURITY IDENTIFICATION DISPLAY AREA
SPECS	SPECIFICATIONS
STA	STATION
STD	STANDARD
SWPPP	STORM WATER POLLUTION PREVENTION PLAN
SY	SQUARE YARDS
T	TANGENT LENGTH
TBM	TEMPORARY BENCHMARK
TOFA	TAXIWAY OBJECT FREE AREA
TSA	TAXIWAY SAFETY AREA
TWY	TAXIWAY
TYP	TYPICAL
UG	UNDERGROUND
V OR VERT	VERTICAL
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
W	WEST OR WATER
w	WATT
WT	WEIGHT

PRIME CONSULTANT

TRAGE
CONSULTING
707 E. Johnson St. Suite 11 Phoenix, AZ 85001

SUB CONSULTANT

90% SUBMITTAL PRELIMINARY NOT FOR CONSTRUCTION

PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-28, THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF CONTRACTOR'S CONTRACT WITH THE CITY OF PHOENIX.

NO	REVISIONS / SUBMISSIONS	DATE

Designed by: B. SALINE

Drawn by: T. ROTH

Checked by: C. JHAVERI

Date: 04/2023

Dwg scale: NTS

AV31000092 FAA

PHX DVT BYB
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
RELOCATE TAXIWAY BAND
CONSTRUCT CONNECTORS
B6 AND B9 - GMP 1

SHEET INDEX, LEGEND AND ABBREVIATIONS

SHEET OVERVIEW TITLE

SHEET REFERENCE NUMBER:
GI-002

SHEET 02 OF 107



GENERAL NOTES:

- 1. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL SAFETY REGULATIONS.
2. CONSTRUCTION OF THIS PROJECT SHALL BE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL AVIATION ADMINISTRATION'S (FAA) STANDARDS AND SPECIFICATIONS, ADOT STANDARDS AND SPECIFICATIONS, CITY OF PHOENIX (COP) SUPPLEMENTARY CONDITIONS, COP SUPPLEMENTS, 2020 MAG UNIFORM STANDARD GOVERNMENTS' (MAG) UNIFORM STANDARD SPECIFICATIONS AND UNIFORM STANDARD DETAILS. IN THE EVENT OF ANY CONFLICT BETWEEN THE CONTRACT DOCUMENTS FOR THIS PROJECT AND THE STANDARDS, THE CONTRACT DOCUMENTS FOR THIS PROJECT SHALL PREVAIL.
CALCULATED DIMENSIONS WILL GOVERN OVER SCALED DIMENSIONS.
3. THE CONTRACTOR SHALL COMPLY WITH ALL CITY, COUNTY, AND STATE TRAFFIC REGULATIONS CONCERNING THE USE OF STREETS AND ROADWAYS FOR HAULING. ANY DAMAGE DONE TO THE ROADWAYS DUE TO THE CONTRACTOR'S EQUIPMENT OR HAULING OPERATIONS SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT NO COST TO THE OWNER.
4. THESE PLANS SHOW ITEMS TO BE CONSTRUCTED UNDER THIS CONTRACT. ACTUAL FIELD CONDITIONS, GRADES, LOCATIONS AND OTHER FEATURES MAY DIFFER FROM CONDITIONS INDICATED IN THESE DOCUMENTS.
5. HAUL ROUTES - THE LOCATION OF HAUL ROUTES ON THE AIRPORT SHALL BE SUBMITTED BY THE CONTRACTOR FOR APPROVAL BY THE COP AVIATION DEPARTMENT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE OFF-SITE HAUL ROUTES WITH THE PARTY HAVING JURISDICTION OVER THE AFFECTED ROUTE. ON-SITE HAUL ROUTES WILL BE MAINTAINED BY THE CONTRACTOR AND SHALL BE RESTORED TO THEIR ORIGINAL CONDITION UPON COMPLETION OF BEING USED AS A HAUL ROUTE. TAXIWAY AND RUNWAY PAVEMENT CROSSINGS ALONG HAUL ROUTES SHALL BE PROTECTED, FENCING, DRAINAGE, GRADING OR OTHER WORK NECESSARY TO CONSTRUCT HAUL ROUTES ON THE AIRPORT IS THE CONTRACTOR'S RESPONSIBILITY AND MUST BE APPROVED BY THE ENGINEER AND AIRPORT PRIOR TO THE WORK. EXCESS SOILS PLACEMENT - EXCESS SOILS, EXCESS MILLED ASPHALT CONCRETE, CONCRETE, RUBBLE, AND UNSUITABLE EXCAVATION SHALL BE DISPOSED OF OFF-SITE ACCORDING TO LOCAL LAWS AND REGULATIONS. MILLED ASPHALT CONCRETE IS TO BE PLACED IN THE LOCATIONS APPROVED BY THE AIRPORT.
COSTS ASSOCIATED WITH THE MATERIALS AND TASKS ABOVE ARE CONSIDERED INCIDENTAL TO THE CONTRACT. THE CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO THE COP AVIATION DEPARTMENT INDICATING THE LOCATION AND QUANTITY OF ALL MATERIAL DISPOSED OF OFF AIRPORT PROPERTY.
ANY REMOVAL ITEMS OF VALUE ARE TO REMAIN THE PROPERTY OF THE COP UNLESS OTHERWISE INDICATED. ALL MATERIAL TO BE HAULED OFF-SITE SHALL BE SAMPLED PRIOR TO HAUL OFF. CONTRACTOR TO COORDINATE WITH COP AVIATION PLANNING AND ENVIRONMENTAL PRIOR TO START OF CONSTRUCTION.
6. SALVAGED ITEMS - ANY SALVAGED ITEMS ARE TO REMAIN THE PROPERTY OF AIRPORT.
7. NO MATERIAL SHALL BE WASTED OR STOCKPILED ON THE AIRPORT UNLESS APPROVED BY THE ENGINEER AND AIRPORT. STOCKPILED MATERIAL SHALL BE CONSTRAINED IN A MANNER TO PREVENT MOVEMENT AS A RESULT OF AIRCRAFT OPERATIONS OR WIND AND IN ACCORDANCE WITH FAA ADVISORY CIRCULARS.
8. CONTRACTOR GENERATED 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 MOVEMENT AREAS. MATERIAL DROPPING WITHIN THESE AREAS SHALL BE REMOVED IMMEDIATELY AND CONTINUOUSLY BY THE CONTRACTOR DURING WORKING HOURS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF ALL COP PROPERTY AND SHALL LOCATE AND PROTECT CAREFULLY FROM DAMAGE OR DISTURBANCE ALL BENCHMARKS, LAND MONUMENTS AND PROPERTY MARKERS. IF DAMAGE OR INJURY TO PROPERTY DOES OCCUR DURING THE WORK, THE CONTRACTOR SHALL RESTORE, AT HIS OWN EXPENSE, SUCH PROPERTY TO A CONDITION SIMILAR OR EQUAL TO THAT EXISTING BEFORE SUCH DAMAGE OR INJURY WAS DONE, BY REBUILDING OR RESTORING AS DIRECTED BY THE COP AVIATION DEPARTMENT AND THE ENGINEER.
10. THE CONTRACTOR IS ADVISED THAT OTHER CONSTRUCTION WILL BE IN PROGRESS DURING ALL OR PART OF THIS PROJECT. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OF OTHER CONTRACTORS AT THE AIRPORT.
11. EXISTING AIRPORT SURVEY MONUMENTS ARE LOCATED THROUGHOUT THE CONSTRUCTION AREA. THE CONTRACTOR SHALL AT HIS EXPENSE, HAVE A REGISTERED LAND SURVEYOR REPLACE ANY DISTURBED MONUMENT USING CITY OF PHOENIX STANDARDS. REPLACED MONUMENTS SHALL BE PLACED AT LEAST 10' BUT NOT MORE THAN 50' FROM THE ORIGINAL MONUMENT.
12. SAFETY AND SECURITY - SAFETY AND SECURITY IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE COORDINATED WITH AIRPORT OPERATIONS, COP AVIATION DEPARTMENT AND THE ENGINEER. SEE SPECIAL CONDITIONS FOR SAFETY, SECURITY, BADGE AND OPERATING REQUIREMENTS IN THE CSPS.
13. THE CONTRACTOR SHALL NOT ENTER ONTO ANY AREA OUTSIDE OF THE CONSTRUCTION LIMITS, STAGING AREA OR DESIGNATED HAUL ROUTES WITHOUT THE WRITTEN APPROVAL BY THE ENGINEER AND AIRPORT.
14. THE CONTRACTOR SHALL NOTIFY THE COP AVIATION DEPARTMENT IN WRITING, THROUGH THE ENGINEER, A MINIMUM OF SEVENTY-TWO (72) HOURS IN ADVANCE TO OBTAIN CLEARANCE FOR WORK. THE CONTRACTOR SHALL SUBMIT A CPM SCHEDULE FOR APPROVAL AT THE PRE-CONSTRUCTION CONFERENCE.
15. THE OWNER RESERVES THE RIGHT TO MAKE REVISIONS TO THE FINISHED ELEVATIONS AND GRADIENTS. IF CHANGES ARE NECESSARY, THE OWNER WILL FURNISH A REVISED GRADING OR PAVING PLAN. UNIT PRICES SHALL GOVERN FOR REVISED QUANTITIES.
16. SPECIFICATIONS ARE PROVIDED WHICH REQUIRE THE CONTRACTOR TO APPLY WATER, CHEMICALS, VEGETATION OR OTHER MATERIALS TO PREVENT THE OCCURRENCE OF DUST WHICH IS OBJECTIONABLE TO THE OPERATIONS OR USERS OF THE AREA. THESE SHALL INCLUDE BUT NOT BE LIMITED TO AIRPORT AUTHORITY OPERATIONS, MAINTENANCE, AIRCRAFT OPERATIONS, AND AIRFIELD OPERATIONS, AND LAND SIDE OPERATIONS. THE CONTRACTOR SHALL ALSO DISCONTINUE OPERATIONS, WHICH VIOLATE EXISTING LAWS AND REGULATIONS OR CREATE A UNIQUE HAZARD TO AIR TRAFFIC. ALL COST FOR CONTROLLING DUST OR POLLUTANTS TO THE AIR OF ANY KIND SHALL BE INCIDENTAL TO THE CONTRACT.
17. EXISTING UTILITY INFORMATION, LIGHTING DUCTS, AND CABLES SHOWN ON THE PLANS CONCERNING THE TYPE, SIZE, AND LOCATION WERE COMPILED BASED ON THE BEST AVAILABLE UTILITY RECORDS TO THE ENGINEER AND AIRPORT, AND ARE APPROXIMATE. THE CONTRACTOR SHALL PROVIDE A UTILITY LOCATOR AND VERIFY THE ACTUAL LOCATION PRIOR TO CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL EXISTING UTILITIES IN PLACE UNLESS NOTICED OTHERWISE OR SPECIFIED. THE OWNER AND ENGINEER BEAR NO RESPONSIBILITY FOR UTILITIES NOT SHOWN ON THE PLANS OR NOT IN THE LOCATION SHOWN ON THE PLANS. ANY AND ALL DAMAGE TO EXISTING UTILITIES SHALL BE COVERED AT THE CONTRACTOR'S EXPENSE. EXCAVATION IMMEDIATELY NEAR UTILITIES SHALL BE DONE BY HAND. UTILITIES INTERFERING WITH CONSTRUCTION SHALL BE RESET OR RELOCATED BY THE UTILITY COMPANY CONCERNED UNLESS NOTED OTHERWISE. CONTRACTOR SHALL CONTACT THE FOLLOWING UTILITY COMPANIES AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO BEGINNING CONSTRUCTION:
18. ARIZONA PUBLIC SERVICE (602) 371-6451 CONTACT: DON CROWDER
FAA FACILITIES (602) 305-2532 CONTACT: ROGER GUSTAFSON
CENTURY LINK (602) 530-0496 CONTACT: JOHN O'DELL
GAS (SW GAS) (602) 484-5344 CONTACT: NORMA JARDIN
CITY WATER/SEWER (602) 261-8229 CONTACT: JAMI ERICKSON
COP ENVIRONMENTAL (602) 273-3396 CONTACT: REBECCA GODLEY
ALL EMERGENCY, FIRE, POLICE, MEDICAL, 911
NON-EMERGENCY (623) 869-0977 CONTACT: OPERATOR
COP ELECTRICAL (602) 273-7667 CONTACT: DAVID THORNTON
COP COMMUNICATIONS (602) 708-0244 CONTACT: CHAD BLOTKAMP
COP UTILITIES (602) 708-0244 CONTACT: CHAD BLOTKAMP
19. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT ALL UTILITY OWNERS AND THE PROGRAM MANAGER TO LOCATE ALL EXISTING AND PROPOSED UTILITIES PRIOR TO PERFORMING TRENCHING, MASS EXCAVATION, OR OTHER EARTHWORK.
20. SEVERAL UTILITY OWNERS INCLUDING THE COP AVIATION DEPARTMENT, SOLID WASTE MANAGEMENT DEPARTMENT, HUMAN SERVICES DEPARTMENT, FEDERAL AVIATION ADMINISTRATION, AND OTHERS ARE NOT MEMBERS OF THE BLUE STAKE CENTER NOTIFICATION SYSTEM AND MUST BE NOTIFIED INDIVIDUALLY. CONTRACTOR TO USE A THIRD PARTY UTILITY LOCATOR.
21. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES AND ELECTRICAL SYSTEMS TO REMAIN PRIOR TO COMMENCING ANY DRAINAGE EXCAVATION.
22. POWER, CONTROL CABLES AND FIXTURES FOR AIRFIELD LIGHTING AND NAVIGATIONAL AIDS ARE LOCATED IN THE CONSTRUCTION AREAS. THE CONTRACTOR'S PERSONNEL SHALL BECOME FAMILIAR WITH THESE CABLE AND FIXTURE LOCATIONS AND KEEP VEHICLES AND EQUIPMENT CLEAR OF THEM AT ALL TIMES. ADHERENCE TO AVIATION LOCKOUT/TAGOUT PROCEDURES SHALL BE STRICTLY ENFORCED.
23. 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 ITS OWN EXPENSE.
24. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FIRE HYDRANTS AT ALL TIMES.
25. THE CONTRACTOR SHALL NOT DRAW WATER FROM ANY FIRE HYDRANT FOR USE ON THE WORK WITHOUT FIRST OBTAINING A WRITTEN PERMIT FROM THE CONTROLLING FIRE DEPARTMENT.
26. THE CONTRACTOR WILL BE REQUIRED TO COORDINATE WITH THE COP AVIATION DEPARTMENT ON THE PRECISE LOCATION AND LIMITS OF THE STAGING AREA, AS WELL AS ANY SPECIAL REQUIREMENTS FOR FENCING, SECURITY OR ACCESS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL UTILITIES AND HOOKUPS NECESSARY FOR THE CONTRACTOR'S USE AND FOR ALL PROJECT FIELD OFFICES AS REQUIRED IN THE SPECIAL PROVISIONS.
27. THE EXACT LIMITS, LIGHTING, AND SECURITY REQUIREMENTS OF THE CONTRACTOR'S STAGING AND STORAGE AREA SHALL BE ESTABLISHED BY THE CONTRACTOR WITH THE APPROVAL OF THE ENGINEER AND AIRPORT IN THE AREAS GENERALLY AS SHOWN ON THE PLANS. ANY AND ALL REQUIRED UTILITIES FOR THE CONTRACTOR'S OPERATIONS SHALL BE ARRANGED FOR AND PAID FOR BY THE CONTRACTOR AND PAID DIRECTLY TO THE APPROPRIATE UTILITY. UTILITY ARRANGEMENTS SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER AND AIRPORT. THE CONTRACTOR SHALL USE THE STORAGE AND STAGING AREAS SHOWN ON THE PLANS FOR HIS/HER SHOP, MATERIAL AND EQUIPMENT STORAGE AND OTHER PROJECT RELATED ACTIVITIES, INCLUDING EMPLOYEE PARKING. ALL COSTS ASSOCIATED WITH PREPARING THE STAGING AND STAGING AREA SITE SHALL BE BORNE BY THE CONTRACTOR. THIS INCLUDES BUT IS NOT LIMITED TO CLEARING AND GRADING OF THE SITE, CONSTRUCTION OF ALL TEMPORARY UTILITIES, ACCESS ROADS, ALL SECURITY FENCING, CLEAN-UP AND RESTORATION OF SITE TO ORIGINAL CONDITION.
28. THE CONTRACTOR SHALL SUBMIT A DRAWING SHOWING THE PROPOSED SITE LAYOUT OF ANY BATCH PLANTS. THE PLAN SHALL BE APPROVED BY THE ENGINEER AND AIRPORT PRIOR TO STARTING ANY WORK AT THE CONTRACTOR'S STAGING AREA.
29. THE CONTRACTOR SHALL INVESTIGATE THE AVAILABILITY OF AN ADEQUATE SUPPLY OF SUITABLE WATER, MAKE ALL ARRANGEMENTS (PERMITS) FOR THE PURCHASE OF THE WATER, AND PROVIDE NECESSARY FACILITIES TO FURNISH WATER FOR USE DURING CONSTRUCTION, SOLELY AT HIS EXPENSE.
30. BATCH PLANT SITES AND OTHER AREAS USED DURING CONSTRUCTION ARE TO BE RESTORED TO THEIR ORIGINAL CONDITION UPON COMPLETION OF THE PROJECT AT NO COST TO THE OWNER.
31. THE CONTRACTOR SHALL COMPLETE CLEAN UP AND RESTORATION OF ENTIRE PROJECT AREA, INCLUDING STAGING AND STORAGE AREAS, AS APPROVED BY THE ENGINEER AND AIRPORT WITHIN 10 DAYS OF CONTRACT COMPLETION DATE.
32. THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY ELECTRICAL TIE-OVERS THAT WILL BE REQUIRED TO KEEP TAXIWAY EDGE LIGHTS AND SIGNS IN OPERATION AT ALL TIMES WHEN THE PAVEMENT AREAS ARE AVAILABLE TO AIRCRAFT TRAFFIC.
33. THE CONTRACTOR SHALL CONDUCT THE FINAL CLEANING OF AFFECTED AIRPORT PAVEMENTS PRIOR TO REOPENING THE PAVEMENTS TO AIR TRAFFIC. CONTRACTOR TO PROTECT ALL EXISTING UTILITY VAULTS AND LIDS DURING CONSTRUCTION. CONTRACTOR SHALL ENSURE THAT ALL VAULT LIDS ARE OPERATIONAL FOLLOWING COMPLETION OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR CONTINUOUS DAILY CLEAN UP OF HIS/HER WORK AREA. THE CONTRACTOR SHALL CONDUCT POWER VACUUM CLEANING OF AFFECTED AIRPORT PAVEMENTS PRIOR TO REOPENING EACH PHASE OF THE PAVEMENTS TO AIR TRAFFIC, AND FOR ACTIVE TAXIWAYS AND RUNWAYS IMMEDIATELY FOLLOWING ANY ACCESS ONTO OR CROSSING OF THE PAVEMENT BY CONSTRUCTION TRAFFIC.
34. THE CONTRACTOR IS REQUIRED TO PROVIDE LIGHTING FOR CONSTRUCTION DURING THE HOURS OF DARKNESS AS REQUIRED TO PERFORM CONSTRUCTION AND RELATED ACTIVITIES. COSTS FOR LIGHTING SHALL BE INCIDENTAL TO THE CONTRACT.
35. THE CONTRACTOR'S SUPERINTENDENT SHALL BE ON THE CONSTRUCTION SITE AT ALL TIMES DURING WORKING HOURS WHILE THIS PROJECT IS IN PROGRESS. THE CONTRACTOR'S SUPERINTENDENT SHALL BE THE DESIGNATED RESPONSIBLE CONTRACTOR REPRESENTATIVE AND SHALL BE AVAILABLE IN CASE OF EMERGENCIES ON A 24-HOUR DAILY BASIS.
36. MOST CONSTRUCTION WORK IN THIS PROJECT WILL OCCUR WITHIN THE AIR OPERATIONS AREA (AOA) AND IS SUBJECT TO OPERATIONAL SAFETY AND SECURITY REQUIREMENTS OF THE COP AND FAA. ANY ADDITIONAL REQUIREMENTS AS MAY BE DEEMED NECESSARY BY THE COP OR THE FAA WILL BE COMPLIED WITH BY THE CONTRACTOR AT NO COST TO THE OWNER.
37. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRANSPORTING EMPLOYEES TO AND FROM THE PROJECT SITE IF NECESSARY.
38. ROADS USED AS CONTRACTOR ROUTES MAY BE USED BY OTHER AIRPORT VEHICLES. THE CONTRACTOR SHALL NOT INTERFERE WITH OTHER VEHICLE TRAFFIC AND SHALL YIELD TO EMERGENCY VEHICLES ALONG ANY OF THE AIRPORT OR PUBLIC ROADS.
39. EACH CONTRACTOR/SUBCONTRACTOR, INCLUDING EACH CONTRACTOR/SUBCONTRACTOR EMPLOYEE, WHO OPERATES A GROUND VEHICLE ON ANY PORTION OF THE AOA AT THE AIRPORT MUST BE FAMILIAR WITH:
•DVT RULES AND REGULATIONS.
•DVT PROCEDURES FOR THE OPERATION OF GROUND VEHICLES.
•FAILURE TO COMPLY WITH DVT RULES AND REGULATIONS AND/OR PROCEDURES FOR THE OPERATION OF GROUND VEHICLES, WILL REQUIRE THE PERSON TO ATTEND A MOVEMENT AREA OPERATING PROCEDURES CLASS
39. ALL CONTRACTOR VEHICLES, INCLUDING HAULING VEHICLES, CONSTRUCTION EQUIPMENT (IE. ROLLERS, BACKHOES, SCRAPERS, ETC.) THAT ARE AUTHORIZED TO OPERATE ON THE AIRPORT WITHIN THE DESIGNATED LIMITS OF CONSTRUCTION OR HAUL ROUTES, 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 VEHICLES SHALL BE EQUIPPED WITH ROTATING OR FLASHING AMBER LIGHTS. DURING SUCH PERIODS, HAULING VEHICLES NOT SO EQUIPPED SHALL BE ESCORTED BY A VEHICLE SO SUPPLIED.
40. ALL VEHICLES AND EQUIPMENT SHALL BE KEPT WITHIN THE WORK AREAS ESTABLISHED FOR EACH WORKSHIFT UNLESS TRAVELING TO OR FROM THE SITE. ALL VEHICLES AND EQUIPMENT SHALL BE PARKED IN STAGING AREAS AS APPROVED BY THE ENGINEER AND AIRPORT.
41. CONTRACTOR SHALL PROVIDE TRAINED FLAGMEN TO COORDINATE AND CONTROL CONSTRUCTION TRAFFIC WHEN OPERATING ACROSS ANY ACTIVE TAXIWAY. FLAGMEN SHALL BE EQUIPPED WITH RADIOS ON GROUND CONTROL FREQUENCY AND SHALL ALLOW TRAFFIC CROSSINGS ON ACTIVE TAXIWAYS AND RUNWAYS ONLY UPON SPECIFIC AUTHORIZATION BY AIR TRAFFIC CONTROL. FLAGMEN SHALL ALSO BE PROVIDED FOR CONTROLLING EQUIPMENT ENTERING AND LEAVING THE PROJECT AREA.
42. THE CONTRACTOR SHALL AT NO TIME CROSS AN ACTIVE RUNWAY OR TAXIWAY UNLESS ESCORTED BY A COP RADIO ESCORT. VIOLATION COULD RESULT IN PERMANENT EJECTION FROM THE AIRPORT PROPERTY AND/OR THE ASSESSMENT OF FINES.
43. CONTRACTOR ACCESS GATE SHALL BE MANNED BY A CONTRACTOR SUPPLIED GATE GUARD OR REMAIN LOCKED AT ALL TIMES (WHEN NOT OCCUPIED). APPROVED GATE GUARD SHALL CONTROL ACCESS TO ALLOW ONLY AUTHORIZED CONSTRUCTION TRAFFIC TO ENTER THE SITE.
44. CONSTRUCTION EQUIPMENT SHALL NOT PENETRATE THE HEIGHT RESTRICTIONS FOR FAR PART 77.
45. ALL SURFACE RUNOFF FROM THE STAGING AREA OR THE AREAS UNDER CONSTRUCTION SHALL BE COLLECTED AND ADEQUATELY FILTERED BEFORE DISCHARGE INTO THE EXISTING DRAINAGE SYSTEM. CONTRACTOR SHALL MITIGATE THE IMPACTS OF RUNOFF FROM THE SITE IN CONFORMANCE WITH THE SPECIFICATIONS.
46. NO ADJUSTMENT FOR ADDITIONAL COMPENSATION AND TIME WILL BE MADE FOR TIME LOST IN WORK AREAS CONTIGUOUS TO TAXIWAYS AND RUNWAYS DUE TO AIRCRAFT TRAFFIC.
47. CONTRACTOR SHALL NOTE IN THE RECORD DRAWINGS ANY AND ALL PIPES, DUCTS AND CABLES FOUND DURING EXCAVATION. INDICATE EXACT POSITION, ELEVATION, DIRECTION, SIZE, MATERIAL, PURPOSE AND ACTIVE STATUS, IF KNOWN.
48. ANY PAINT USED FOR NEW PAVEMENT MARKINGS SHALL BE LEAD FREE CERTIFIED. CONTRACTOR TO PROVIDE MATERIAL SAFETY DATA SHEET TO THE AIRPORT FOR APPROVAL PRIOR TO CONSTRUCTION.
49. BEFORE ANY WORK COMMENCES, AN ASBESTOS AND LEAD SURVEY NEEDS TO BE COMPLETED. THE CONTRACTOR SHALL CONTACT DAVID GORDON AT 602-273-2185 APPROXIMATELY 3-4 WEEKS PRIOR TO CONSTRUCTION ACTIVITIES TO HAVE THE ASBESTOS AND LEAD SURVEY DONE. ANY ENVIRONMENTAL HAZARDS FOUND DURING THIS SURVEY SHALL BE ABATED PRIOR TO ANY DISTURBANCE. CONTRACTOR TO ALSO NOTIFY DAVID GORDON FOR ANY SUBSURFACE MATERIALS FOUND DURING CONSTRUCTION. CONTRACTOR SHALL ASSUME ALL SUSPECT MATERIALS CONTAIN ASBESTOS (ANYTHING OTHER THAN UNPAINTED WOOD, METAL, OR GLASS) UNLESS OTHERWISE NOTIFIED.
50. IF SOIL IS TO BE REMOVED FROM THE AIRPORT, THEN PRIOR TO ANY WORK COMMENCING, SOIL SAMPLING NEEDS TO BE COMPLETED. THE CONTRACTOR SHALL CONTACT DAVID GORDON APPROXIMATELY 3-4 WEEKS PRIOR TO CONSTRUCTION ACTIVITIES TO HAVE THE SOIL SAMPLING COMPLETED. THE SOIL SHALL BE SAMPLED BY COP ENVIRONMENTAL ON-CALL CONSULTANTS WITH ASSISTANCE FROM THE CONTRACTOR. CONTRACTOR SHALL PROVIDE BARRICADES, COMMUNICATE WITH OPERATIONS AND REPLACE THE CORED AREA AFTER SAMPLING IS COMPLETE PER AIRPORT SPECIFICATIONS.
51. THE PROJECT WILL DISTURB MORE THAN 1/10 OF AN ACRE. THE CONTRACTOR SHALL OBTAIN A MARICOPA COUNTY DUST CONTROL PERMIT PRIOR TO CONSTRUCTION.
52. THE CONTRACTOR SHALL OBTAIN A CONSTRUCTION GENERAL PERMIT FROM ADEQ AND IMPLEMENT A STORM WATER POLLUTION PREVENTION PLAN (SWPPP). THE SWPPP SHALL BE SUBMITTED TO COP AIRPORT ENVIRONMENTAL FOR REVIEW AND APPROVAL PRIOR TO IMPLEMENTATION.
53. ANY WASTE OR CONSTRUCTION DEBRIS MUST BE DISPOSED OF PROPERLY. THE DISPOSAL OF MATERIAL OFF-SITE SHALL BE DONE IN A LAWFUL MANNER AND AT A SITE HAVING CURRENT APPROVAL TO ACCEPT SOLID WASTE FOR DISPOSAL.
54. CONTRACTOR TO OBTAIN PERMIT FROM THE WATER DEPARTMENT TO ACCESS STORM DRAINS, STORM DRAIN MANHOLES, AND SANITARY SEWER MANHOLES IF REQUIRED.
55. SERVICE ROAD ACCESS SHALL BE MAINTAINED AT ALL TIMES. ALIGNMENT FOR SERVICE ROAD DETOURS SHALL BE APPROVED BY AIRPORT OPERATIONS AND SECURITY.

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Table with columns: REVISIONS / SUBMISSIONS, DATE. Includes text: PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-28, THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF CONTRACTOR'S CONTRACT WITH THE CITY OF PHOENIX.

PHX DVT BYR CITY OF PHOENIX AVIATION DEPARTMENT DEER VALLEY AIRPORT RELOCATE TAXIWAY BAND B AND B6 AND B9 - GMP 1 AV31000092 FAA

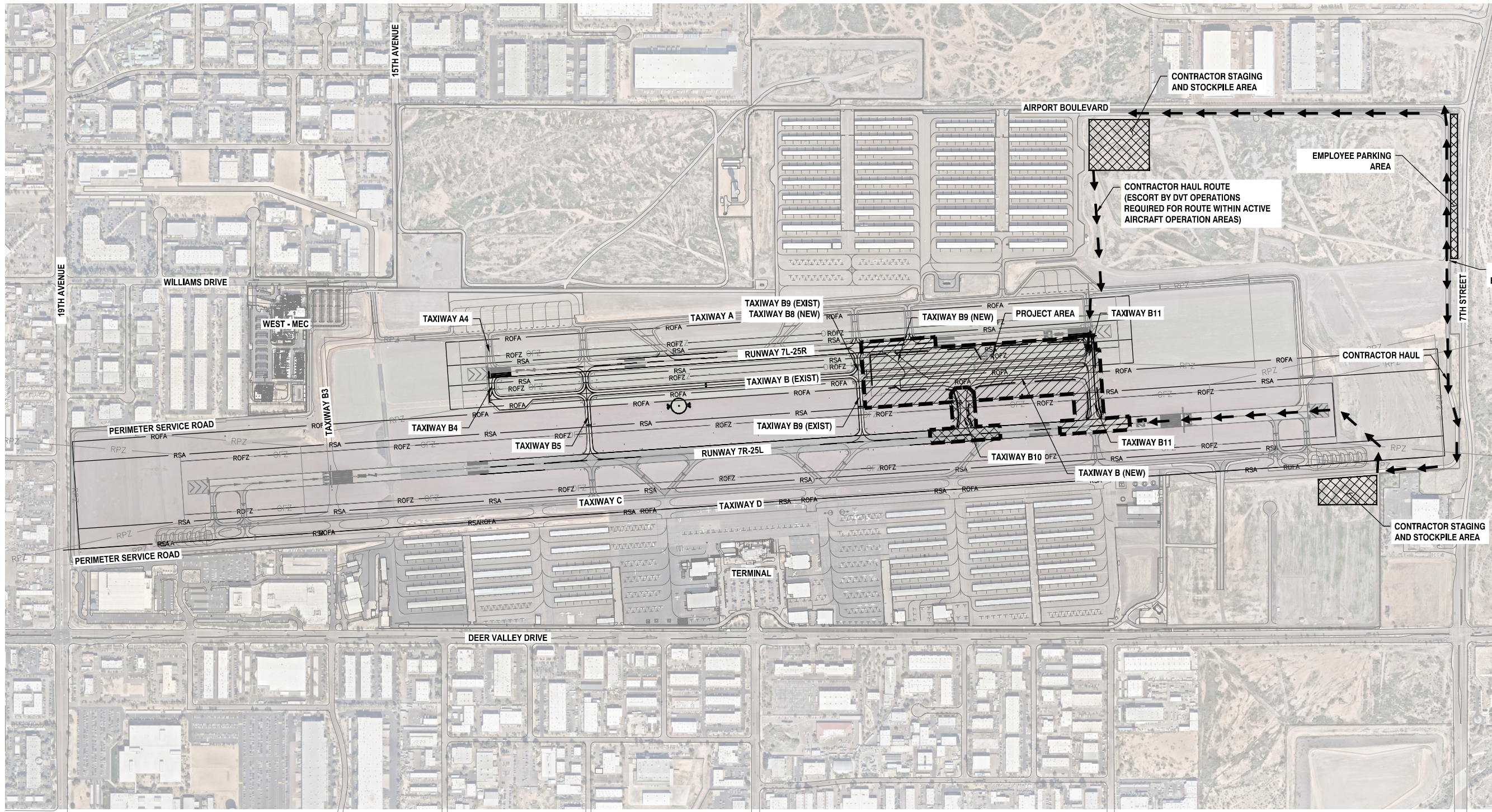
Designed by: B. SALINE
Drawn by: T. ROTH
Checked by: C. JHAVERI
Date: 04/2023
Dwg scale: NTS

GENERAL NOTES





SHEET REFERENCE NUMBER: GI-003 SHEET 03 OF 107



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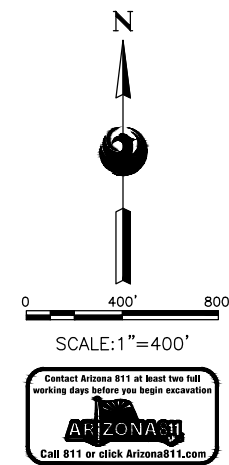


LEGEND

-  CONTRACTOR HAUL ROUTE
-  CONTRACTOR STAGING/STOCKPILE AREA
-  PROJECT AREA
-  PROJECT AREA - ADDITIVE ALTERNATE 1

NOTES:

1. AREAS SHOWN ARE INTENDED TO BE AN APPROXIMATE GEOGRAPHICAL REPRESENTATION.
2. THE CONTRACTOR SHALL COORDINATE THE LIMITS OF THE STAGING AND STOCKPILE AREA, THE LIMITS OF THE EMPLOYEE PARKING AND TEMPORARY FENCING WITH DVT PRIOR TO CONSTRUCTION.
3. CONTRACTOR CAN ACCESS THE SITE USING THE GATE AT THE NORTHWEST CORNER OF THE AIRPORT CORNER OR THE AIRPORT PERIMETER FENCE ON 15TH AVENUE AND THE AIRPORT BOULEVARD ALIGNMENT. CONTRACTOR SHALL COORDINATE WITH AND OBTAIN APPROVAL FROM AIRPORT OPERATIONS REGARDING USE OF ANY GATE. AIRPORT OPERATIONS MAY ALLOW ACCESS FROM OTHER GATES, BASED ON AVAILABILITY OF SECURITY STAFF.
4. CONTRACTOR TO ENSURE THAT NO CONSTRUCTION TRAFFIC ENTERING SITE BACKS UP ON OR BLOCKS ANY PUBLIC STREET.
5. ANY EXISTING PAVEMENT AREA ALONG ANY HAUL ROUTE SHALL BE ADEQUATELY PLATED PER CIVIL TECHNICAL SPECIFICATION ITEM M-003 PRIOR TO ANY HAULING ACTIVITIES.



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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
 CITY OF PHOENIX AVIATION DEPARTMENT

**DEER VALLEY AIRPORT
 RELOCATE TAXIWAY B AND
 CONSTRUCT CONNECTORS
 B6 AND B9 - GMP 1**
 AV31000092 FAA

Designed by: B. SALINE
 Drawn by: T. ROTH
 Checked by: C. JHAVERI
 Date: 04/2023
 Dwg scale: AS SHOWN

AIP NO.:3-04-0028-045-2023

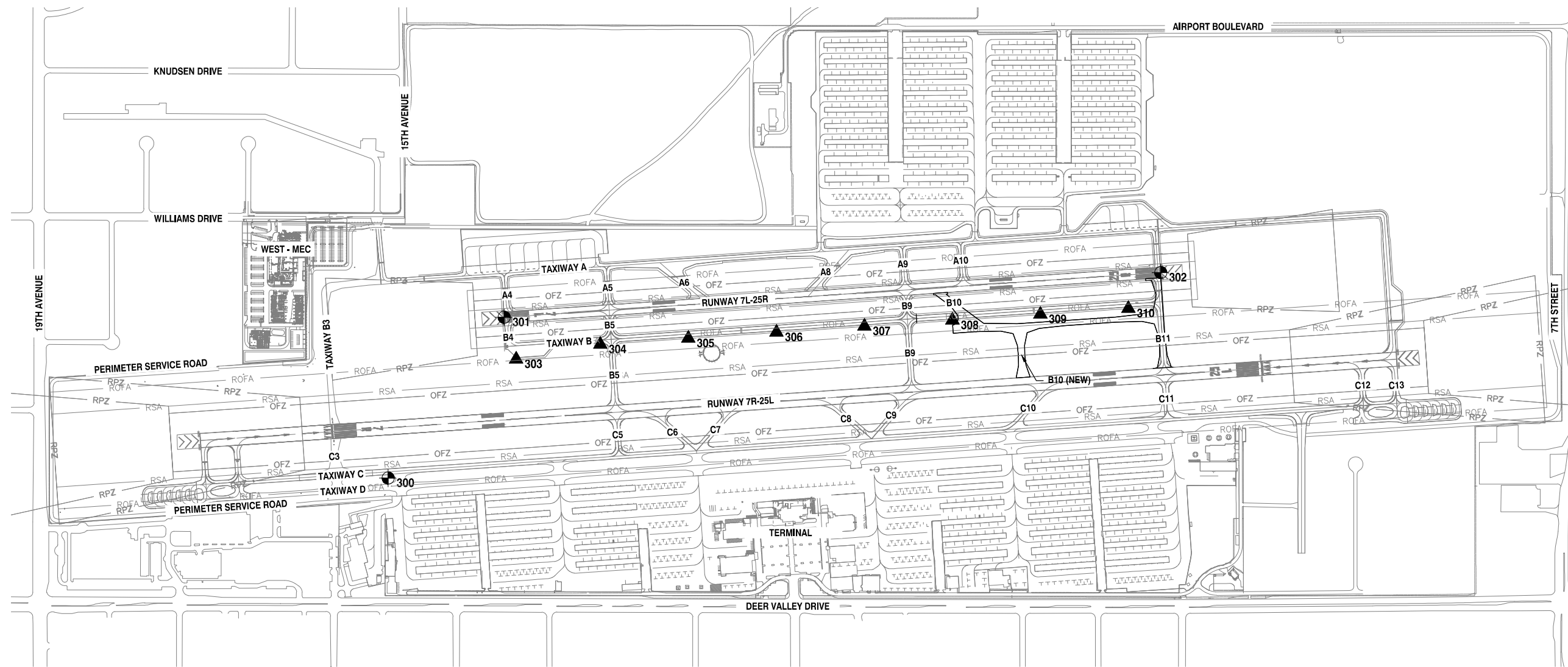
SHEET OVERVIEW TITLE

PROJECT LAYOUT PLAN

SHEET REFERENCE NUMBER:
GI-401

SHEET 05 OF 107

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▲ SURVEY CONTROL POINTS				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
303	978194.40	647631.68	1452.51	SET PK NAIL
304	978295.35	648207.11	1456.16	SET PK NAIL
305	978336.53	648808.83	1458.99	SET PK NAIL
306	978377.86	649411.66	1462.26	SET PK NAIL
307	978419.33	650012.86	1465.15	SET PK NAIL
308	978459.93	650614.89	1468.18	SET PK NAIL
309	978501.05	651216.11	1471.17	SET PK NAIL
310	978541.16	651818.28	1474.07	SET PK NAIL

● PRIMARY CONTROL POINTS				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
300	977381.08	646756.34	1443.80	BCF DVT B (SACS)
301	978480.32	647549.05	1455.24	BCF 7L THRESHOLD MONUMENT
302	978786.45	652038.66	1476.91	BCF 25R THRESHOLD MONUMENT

- LEGEND**
- ₁ SITE BENCHMARK
 - ▲₂ TEMPORARY BENCHMARK
 - BCF BRASS CAP FLUSH

SURVEY CONTROL NOTES

THE FIELD PORTION OF THIS SURVEY WAS PERFORMED DURING THE MONTHS OF JULY AND AUGUST, 2019.

HORIZONTAL DATUM (NAD 83 NORTH AMERICAN DATUM OF 1983)

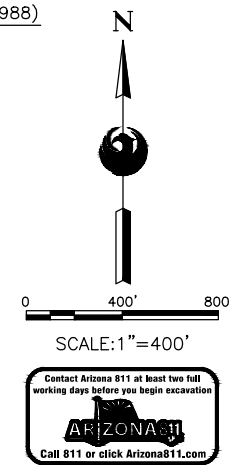
ALL COORDINATES SHOWN ARE GROUND VALUES BASED ON NAD83 ARIZONA STATE PLANE CENTRAL ZONE GRID COORDINATES SCALED ABOUT 0,0 BY A FACTOR OF 1.00016216.

VERTICAL DATUM (NAVD 88 NORTH AMERICAN VERTICAL DATUM OF 1988)

PRIMARY SITE BENCHMARK - DVT B (SACS) POINT #300 A BRASS CAP FLUSH PER NGS DATA SHEET HAVING AN ELEVATION OF 1443.80 (NAVD88)

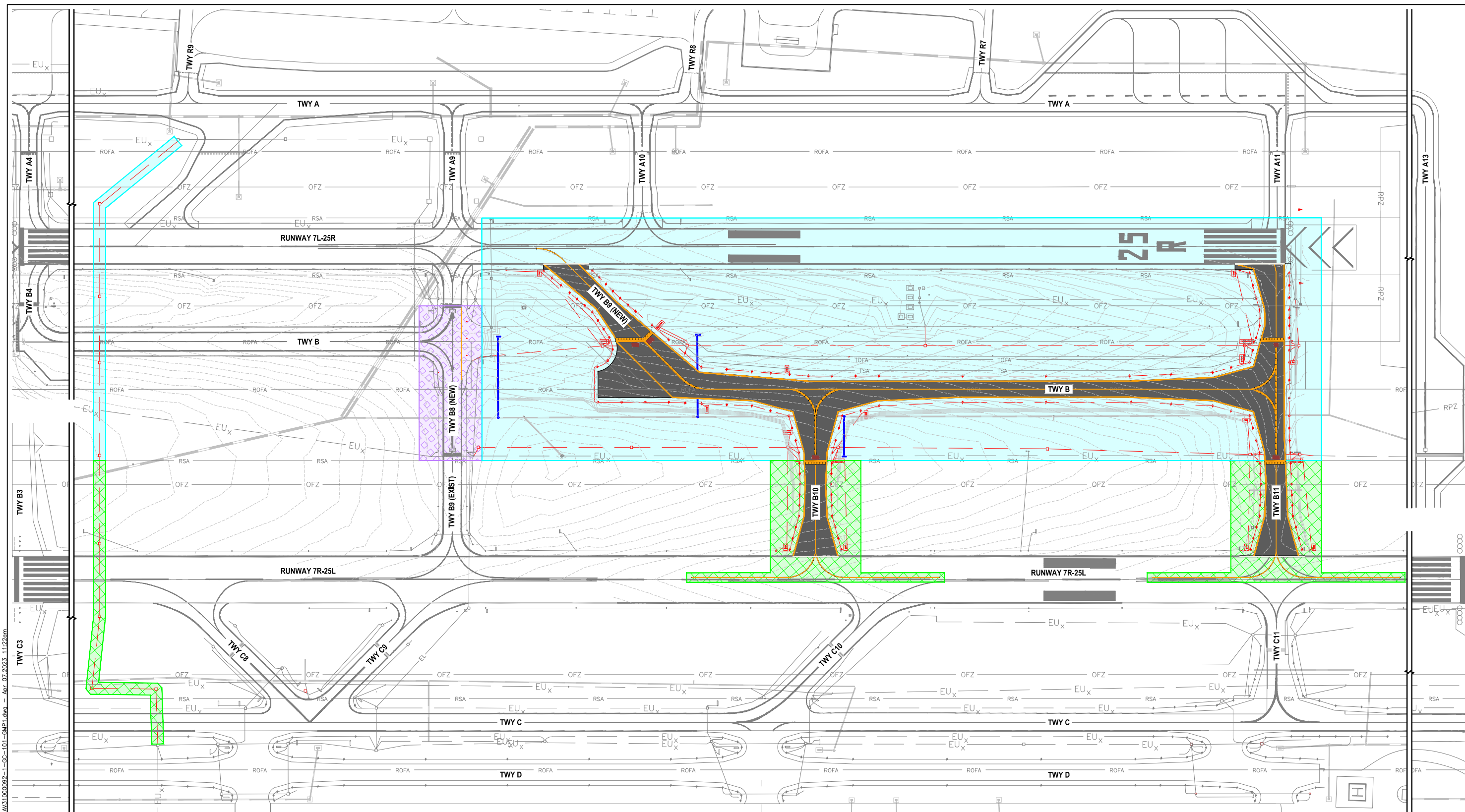
NOTE:

- THE CONTRACTOR SHALL PROVIDE WRITTEN CONFIRMATION OF COORDINATES AND ELEVATIONS OF BENCHMARKS PRIOR TO CONSTRUCTION.



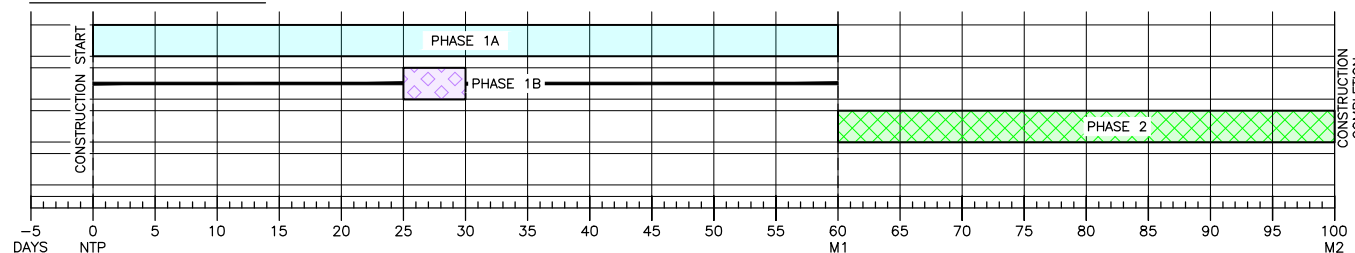
 <small>2021 E. Camelback Rd. Suite 31 Phoenix, AZ 85016</small>	PRIME CONSULTANT SUB CONSULTANT	90% SUBMITTAL PRELIMINARY NOT FOR CONSTRUCTION	PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-2-28, THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF CONTRACTOR'S CONTRACT WITH THE CITY OF PHOENIX.
 CITY OF PHOENIX AVIATION DEPARTMENT DEER VALLEY AIRPORT RELOCATE TAXIWAY B AND CONSTRUCT CONNECTORS B6 AND B9 - GMP 1 AV31000092 FAA		SHEET OVERVIEW TITLE SURVEY CONTROL PLAN SHEET REFERENCE NUMBER: VF-401 SHEET 06 OF 107	
Designed by: B. SALINE Drawn by: T. ROTH Checked by: C. JHAVERI Date: 04/2023 Dwg. scale: AS SHOWN	AIP NO.: 3-04-0028-045-2023		

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- GENERAL NOTES:**
- UNLESS OTHERWISE NOTED, ALL NOTES AND REFERENCES TO PHASES ARE APPLICABLE TO EACH SUB-PHASE. SUB-PHASES ARE INDICATED WITH LETTERED SUFFIXES (I.E. 1A, 2B, ETC).
 - SCHEDULE OF WORK AND SEQUENCE OF CONSTRUCTION PHASES SHALL BE COORDINATED WITH DVT.
 - CONSTRUCTION ACTIVITIES ARE NOT PERMITTED AT THE AIRPORT DURING DVT MORATORIUM DATES. CONTRACTOR SHALL COORDINATE WITH DVT FOR SCHEDULING OF WORK ACTIVITIES.
 - THE CONTRACTOR SHALL PERFORM THE WORK IN THE PHASING SEQUENCES SHOWN ON THE PLANS AND AS DESCRIBED IN THE SPECIFICATIONS.
 - SEE THE INDIVIDUAL PHASING SHEETS FOR ADDITIONAL INFORMATION ON IMPACTS TO OPERATIONS ON RUNWAYS 7R-25L AND 7L-25R, TAXIWAYS A, A13, B, B9, B11, AND C FOR EACH PHASE.
 - AREAS SHOWN ARE INTENDED TO BE AN APPROXIMATE GEOGRAPHICAL REPRESENTATION.
 - SEE PROJECT LAYOUT PLAN GI-401 FOR CONTRACTOR AOA ACCESS, STAGING/STOCKPILE AREAS AND HAUL ROUTES.

PHASING SCHEDULE



LEGEND

- Phase 1A (Light Blue)
- Phase 1B (Purple)
- Phase 2 (Green)



SCALE: 1"=400'



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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
RELOCATE TAXIWAY B AND
CONSTRUCT CONNECTORS
B6 AND B9 - GMP 1
AV31000092 FAA

Designed by: B. SALINE
Drawn by: T. ROTH
Checked by: C. JHAVERI
Date: 04/2023
Dwg scale: AS SHOWN

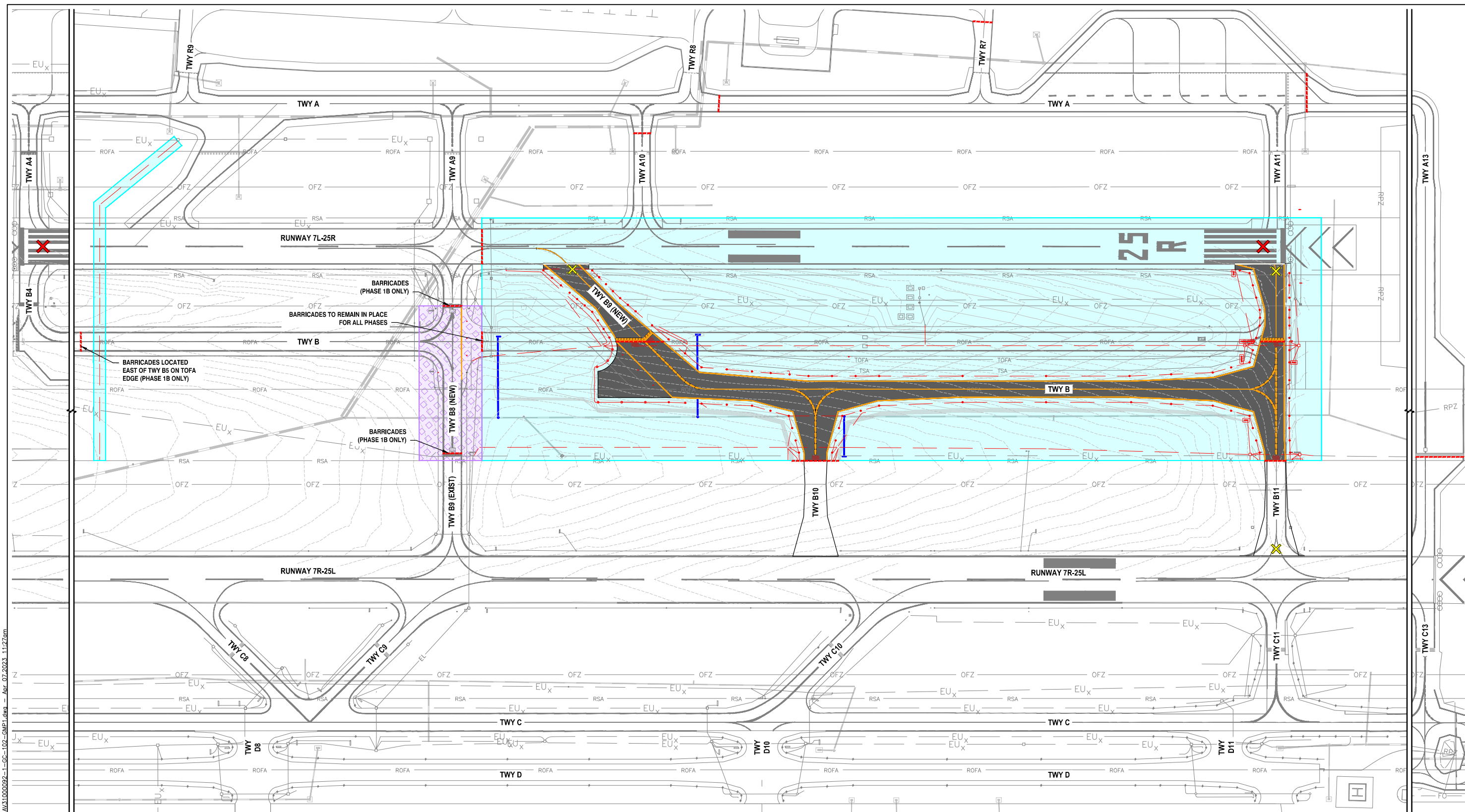
CONSTRUCTION SAFETY & PHASING PLAN

SHEET OVERVIEW TITLE

SHEET REFERENCE NUMBER:
GC-101

SHEET 07 OF 107

AIP NO.:3-04-0028-045-2023



PHASE 1A ELEMENTS:
 PHASE 1A ACTIVITIES GENERALLY CONSIST OF PAVEMENT SAWCUT, PAVEMENT REMOVAL, GRADING AND EARTHWORK, SUBGRADE PREPARATION, EXCAVATION FOR AND INSTALLATION OF PIPE AND STORM DRAIN STRUCTURES, EXCAVATION FOR AND INSTALLATION OF AIRFIELD ELECTRICAL INFRASTRUCTURE, LIGHTING AND SIGNAGE.

PHASE 1B ELEMENTS:
 PHASE 1B ACTIVITIES GENERALLY CONSIST OF PAVEMENT MARKING REMOVAL, PLACEMENT OF ELEVATED TAXIWAY EDGE RETROREFLECTORS, TAXIWAY EDGE LIGHT MODIFICATIONS, TEMPORARY CIRCUIT CONNECTIONS, AND PAVEMENT SAWCUT.

AREAS CLOSED TO AIRCRAFT OPERATIONS:
 RUNWAY 7L-25R CLOSED NIGHTLY.
 TAXIWAY A CLOSED NIGHTLY NORTH OF TAXIWAY R6.
 TAXIWAY A13 CLOSED NIGHTLY.
 TAXIWAY B NORTH OF TAXIWAY B9 CLOSED DAY AND NIGHT.
 TAXIWAY B11 CLOSED DAY AND NIGHT.
 TAXIWAY R7 CLOSED NIGHTLY.
 TAXIWAY B9 (EXIST) CLOSED NIGHTLY (FOR PHASE 1B ONLY).

DURATION OF CLOSURES:
 RUNWAY AND TAXIWAY RESTRICTIONS AND CLOSURES ARE EXPECTED NIGHTLY BETWEEN 2100 AND 0600 HOURS FOR THE ENTIRE PHASE DURATION.

ARFF ACCESS ROUTES:
 ARFF ACCESS ROUTES ARE TO BE MAINTAINED EXCEPT IN AREAS OF PAVEMENT DEMOLITION.

CONSTRUCTION STAGING AND STOCKPILE AREAS:
 CONTRACTOR STAGING AND STOCKPILE AREAS ARE SHOWN ON THE PROJECT LAYOUT PLAN SHEET GI-401.

IMPACTS TO NAVAIDS:
 THERE IS NO ANTICIPATED IMPACT TO NAVAIDS DURING THIS PHASE OF CONSTRUCTION.

LIGHTING, MARKING, AND SIGNING CHANGES:
 RUNWAY EXIT SIGNS FOR TAXIWAY B11 SHALL BE COVERED. TAXIWAY DIRECTION AND LOCATION SIGNS FOR TAXIWAY B11 SHALL BE COVERED.

AVAILABLE RUNWAY LENGTH:
 EXISTING AVAILABLE RUNWAY LENGTHS WILL BE MAINTAINED. NO REDUCTIONS TO THE EXISTING ADG ARE ANTICIPATED.

REQUIRED HAZARD MARKING, LIGHTING, AND SIGNING:
 TAXIWAY B11 INTERSECTION SHALL BE CLOSED USING LOW PROFILE BARRICADES WITH RED (STEADY OR FLASHING) LIGHTS MOUNTED ON THE BARRICADE SPACED NO MORE THAN 10-FOOT APART ALONG THE EXISTING OR PROPOSED HOLD BAR LINE.

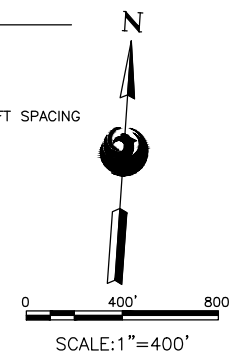
THE RUNWAY 7L-25R AND 7R-25L EXITS AT TAXIWAY B11 SHALL BE CLOSED USING A TEMPORARY YELLOW 'X' ON EXISTING OR NEW AC PAVEMENT.
 TAXIWAY B SHALL HAVE INTERLOCKED LOW PROFILE BARRICADES LOCATED ON THE EAST SIDE OF TAXIWAY B9 (EXIST) TOFA FOR THE DURATION OF PHASES 1A AND 2.

WORK ZONE LIGHTING FOR NIGHTTIME CONSTRUCTION:
 LIGHTING EQUIPMENT MUST ADEQUATELY ILLUMINATE THE WORK AREA AND SHALL BE DIRECTED AWAY FROM THE ATCT. ALL SUPPORT EQUIPMENT, EXCEPT HAUL TRUCKS, SHALL BE EQUIPPED WITH ARTIFICIAL ILLUMINATION.

LEAD TIMES REQUIRED FOR NOTIFICATIONS:
 THE CONTRACTOR IS REQUIRED TO NOTIFY AIRPORT OPERATIONS A MINIMUM OF 72 HOURS IN ADVANCE TO PROVIDE REQUIRED NOTIFICATIONS.

LEGEND

- PHASE 1A
- PHASE 1B
- LOW PROFILE BARRICADES AT 10 FT SPACING
- X RUNWAY CLOSURE MARKER
- X TAXIWAY CLOSURE MARKER



SHEET OVERVIEW TITLE

CONSTRUCTION SAFETY & PHASING PLAN - PHASE 1

SHEET REFERENCE NUMBER:
GC-102

SHEET 08 OF 107

SHEET OVERVIEW TITLE

Designed by: B. SALINE
 Drawn by: T. ROTH
 Checked by: C. JHAVERI
 Date: 04/2023
 Dwg scale: AS SHOWN

AP NO.:3-04-0028-045-2023

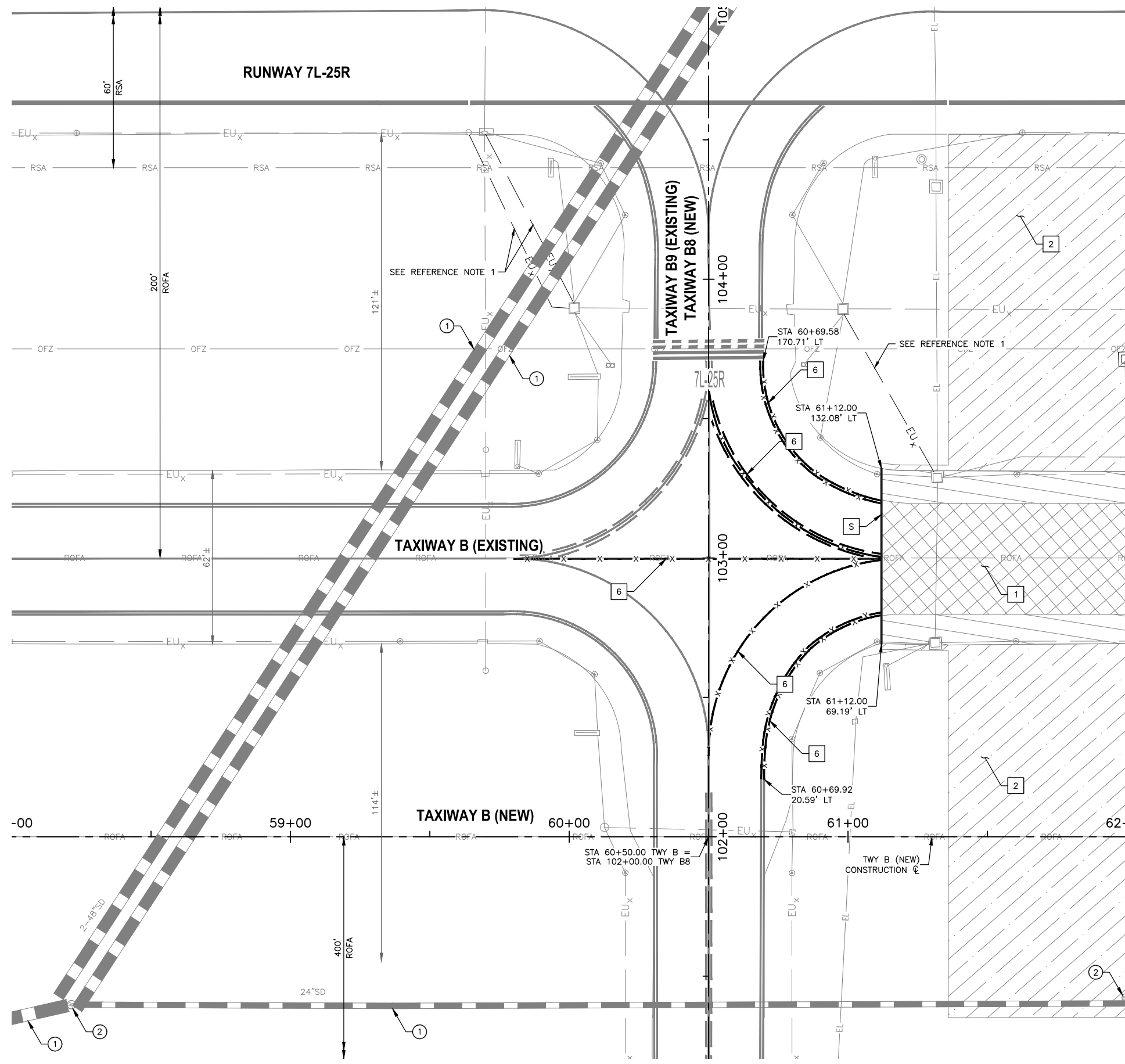
PRIME CONSULTANT
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2071 E. Camelback Rd. Suite 11 Phoenix, AZ 85016

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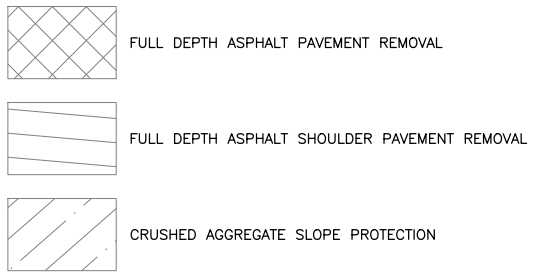
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MATCHLINE STA 62+00 SEE SHEET CD-104

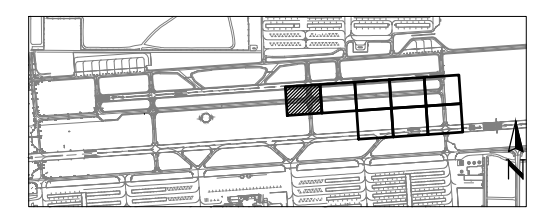
REMOVAL NOTES

- 1 REMOVE EXISTING ASPHALT PAVEMENT FULL DEPTH (P-101)
- 2 REMOVE, HAUL, AND STOCKPILE CRUSHED AGGREGATE SLOPE PROTECTION (SP-37)
- 6 OBLITERATE EXISTING PAVEMENT MARKING (P-620)
- S SAWCUT EXISTING AC PAVEMENT FULL DEPTH (NPI)

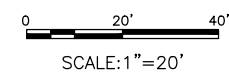


REFERENCE NOTES

- ① EXISTING STORM DRAIN PIPE, PROTECT IN PLACE
- ② EXISTING STORM DRAIN MANHOLE, PROTECT IN PLACE
- 1. SEE ELECTRICAL DEMOLITION PLAN FOR ELECTRICAL ITEMS.
- 2. SEE GRADING AND DRAINAGE PLAN FOR GRADING LIMIT STATIONING.
- 3. STATIONING IS BASED ON NEW TWY B CONSTRUCTION & UNLESS OTHERWISE NOTED.

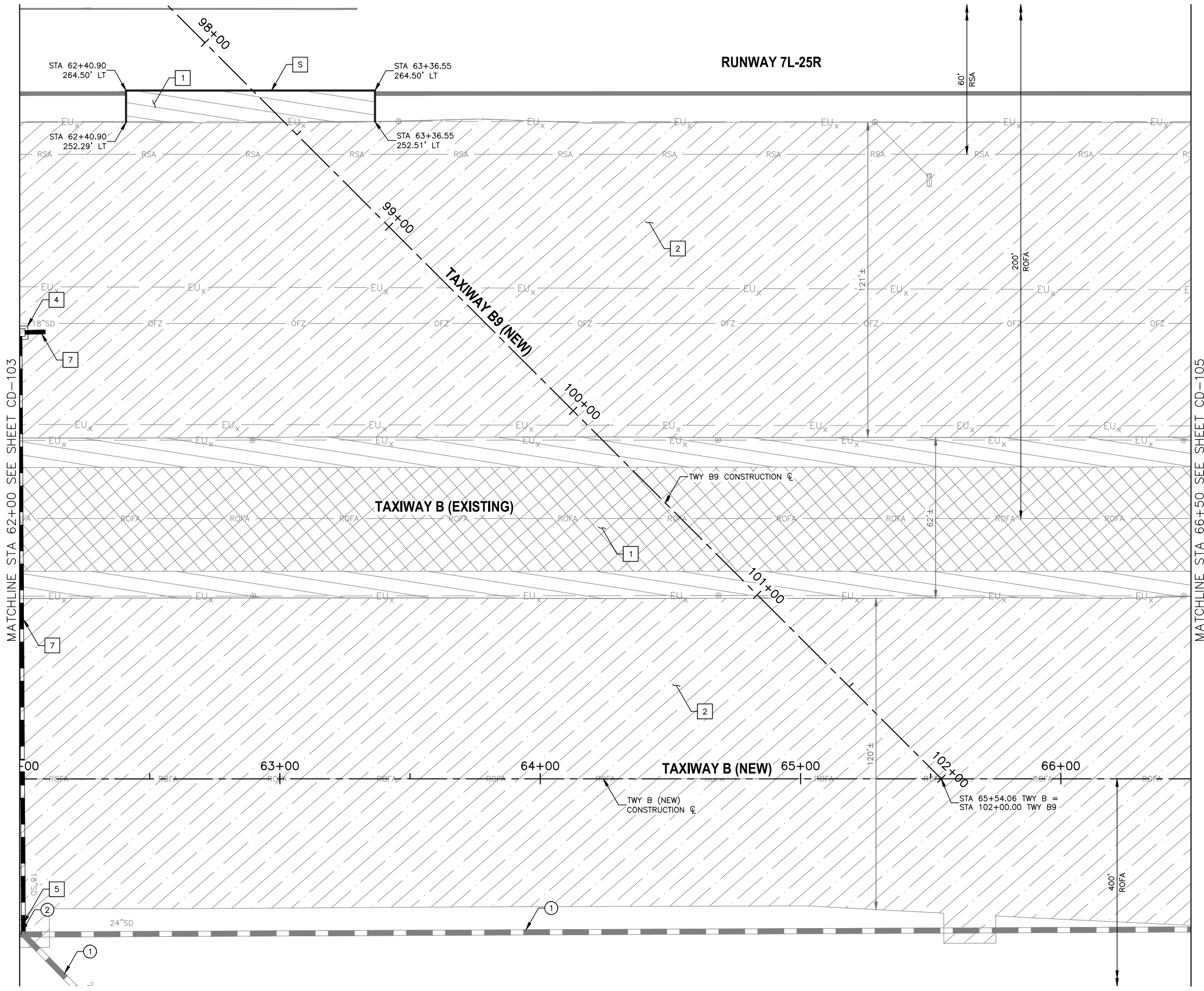


KEY MAP



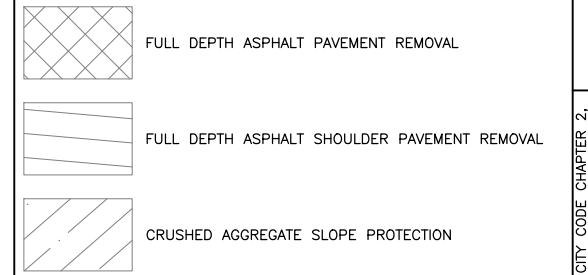
 <small>TRAGE CONSULTING 10711 Johnson St. Suite 11 Phoenix, AZ 85028</small>	PRIME CONSULTANT SUB CONSULTANT	SUBMITTAL 90% PRELIMINARY NOT FOR CONSTRUCTION	
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DESIGNED BY: B. SALINE DRAWN BY: T. ROTH CHECKED BY: C. JHAVERI DATE: 04/2023 DWG SCALE: AS SHOWN		CITY OF PHOENIX AVIATION DEPARTMENT DEER VALLEY AIRPORT RELOCATE TAXIWAY B AND CONSTRUCT CONNECTORS B6 AND B9 - GMP 1 AV31000092 FAA	
SHEET OVERVIEW TITLE CIVIL DEMOLITION PLAN		SHEET REFERENCE NUMBER: CD-103 SHEET 10 OF 107	

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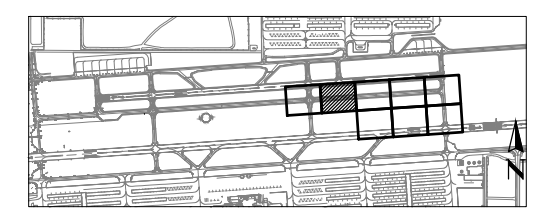
REMOVAL NOTES

- 1 REMOVE EXISTING ASPHALT PAVEMENT FULL DEPTH (P-101)
- 2 REMOVE, HAUL, AND STOCKPILE CRUSHED AGGREGATE SLOPE PROTECTION (SP-37)
- 4 REMOVE EXISTING CATCH BASIN, BACKFILL AND COMPACT (P-101)
- 5 CUT AND PLUG EXISTING STORM DRAIN PER MAG STD DTL 427
- 7 REMOVE EXISTING 18" STORM DRAIN PIPE, BACKFILL AND COMPACT (P-101)
- S SAWCUT EXISTING AC PAVEMENT FULL DEPTH (NPI)

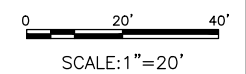


REFERENCE NOTES

- ① EXISTING STORM DRAIN PIPE, PROTECT IN PLACE
- ② EXISTING STORM DRAIN MANHOLE, PROTECT IN PLACE
- 1. SEE ELECTRICAL DEMOLITION PLAN FOR ELECTRICAL ITEMS.
- 2. SEE GRADING AND DRAINAGE PLAN FOR GRADING LIMIT STATIONING.
- 3. STATIONING IS BASED ON NEW TWY B CONSTRUCTION C UNLESS OTHERWISE NOTED.



KEY MAP



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NO	REVISIONS / SUBMISSIONS	DATE

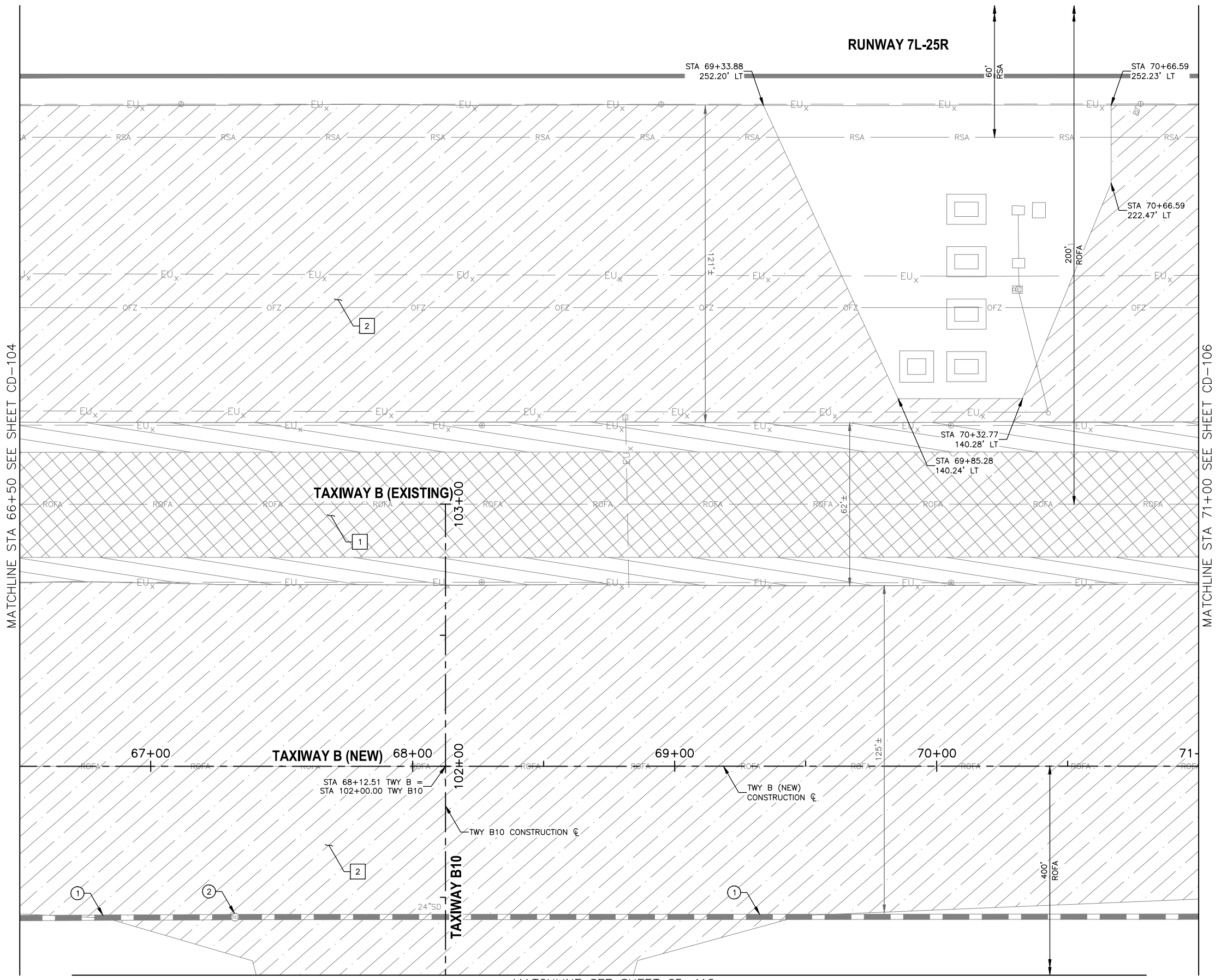
PHX DVT BYB
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
RELOCATE TAXIWAY BAND
CONSTRUCT CONNECTORS
B6 AND B9 - GMP 1
AV3100092 FAA

Designed by: B. SALINE
Drawn by: T. ROTH
Checked by: C. JHAVERI
Date: 04/2023
Dwg scale: AS SHOWN

SHEET OVERVIEW TITLE
CIVIL DEMOLITION PLAN

SHEET REFERENCE NUMBER:
CD-104
SHEET 11 OF 107

N:\2019\190501 - DVT TWY B Relocation\Drawn\GMP1 - AV31000092-1-CD-105-GMP1.dwg - Apr 07 2023 3:08pm

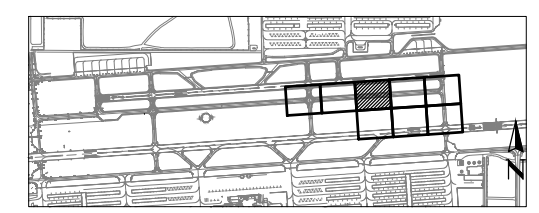


REMOVAL NOTES

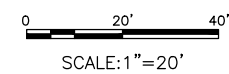
- 1 REMOVE EXISTING ASPHALT PAVEMENT FULL DEPTH (P-101)
 - 2 REMOVE, HAUL, AND STOCKPILE CRUSHED AGGREGATE SLOPE PROTECTION (SP-37)
- FULL DEPTH ASPHALT PAVEMENT REMOVAL
 - FULL DEPTH ASPHALT SHOULDER PAVEMENT REMOVAL
 - CRUSHED AGGREGATE SLOPE PROTECTION

REFERENCE NOTES

- ① EXISTING STORM DRAIN PIPE, PROTECT IN PLACE
 - ② EXISTING STORM DRAIN MANHOLE, PROTECT IN PLACE
1. SEE ELECTRICAL DEMOLITION PLAN FOR ELECTRICAL ITEMS.
 2. SEE GRADING AND DRAINAGE PLAN FOR GRADING LIMIT STATIONING.
 3. STATIONING IS BASED ON NEW TWY B CONSTRUCTION & UNLESS OTHERWISE NOTED.



KEY MAP



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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT

DEER VALLEY AIRPORT
 RELOCATE TAXIWAY BAND
 CONSTRUCT CONNECTORS
 B6 AND B9 - GMP 1
 AV31000092 FAA

Designed by: B. SALINE
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 Date: 04/2023
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AIP NO.: 3-04-0028-045-2023

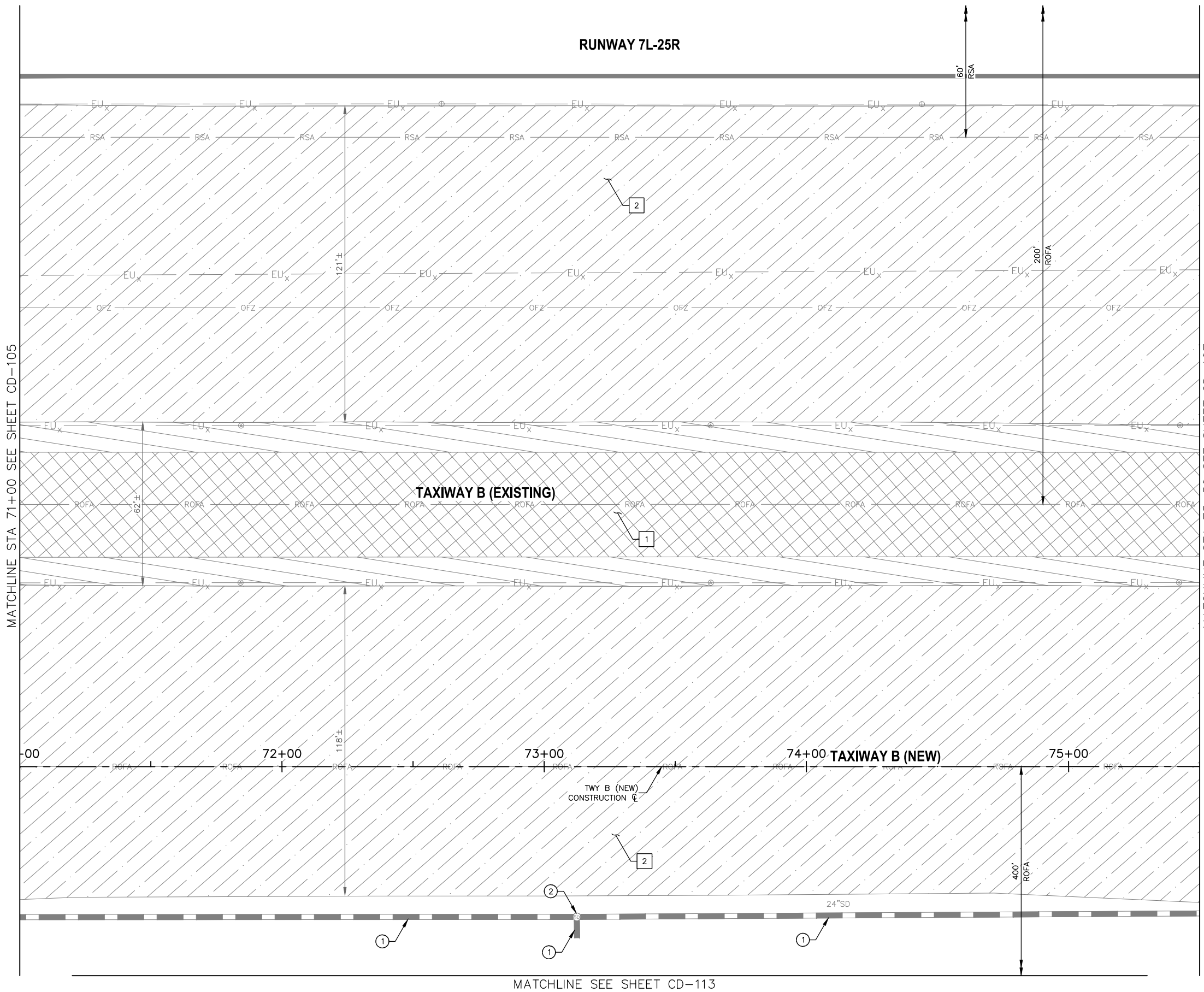
SHEET OVERVIEW TITLE

CIVIL DEMOLITION PLAN

SHEET REFERENCE NUMBER:
CD-105

SHEET 12 OF 107

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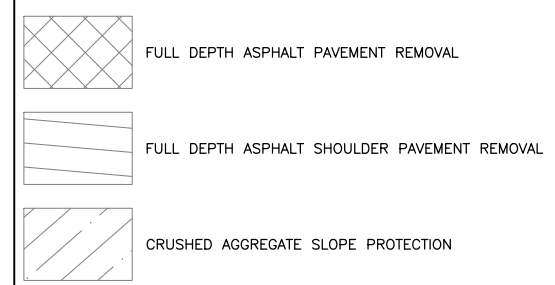
MATCHLINE STA 71+00 SEE SHEET CD-105

MATCHLINE STA 75+50 SEE SHEET CD-107

MATCHLINE SEE SHEET CD-113

REMOVAL NOTES

- 1 REMOVE EXISTING ASPHALT PAVEMENT FULL DEPTH (P-101)
- 2 REMOVE, HAUL, AND STOCKPILE CRUSHED AGGREGATE SLOPE PROTECTION (SP-37)



REFERENCE NOTES

- ① EXISTING STORM DRAIN PIPE, PROTECT IN PLACE
- ② EXISTING STORM DRAIN MANHOLE, PROTECT IN PLACE
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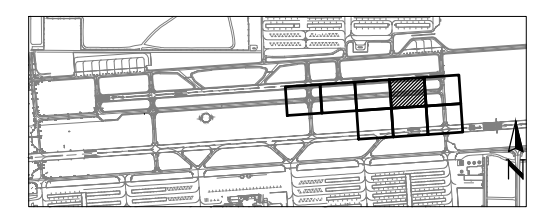
PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-28, THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF CONTRACTOR'S CONTRACT WITH THE CITY OF PHOENIX.

NO	REVISIONS / SUBMISSIONS	DATE

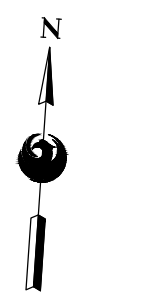
PHX DVT BYR
 CITY OF PHOENIX AVIATION DEPARTMENT
 DEER VALLEY AIRPORT
 RELOCATE TAXIWAY B AND
 CONSTRUCT CONNECTORS
 B6 AND B9 - GMP 1
 AV31000092 FAA

Designed by: B. SALINE
 Drawn by: T. ROTH
 Checked by: C. JHAVERI
 Date: 04/2023
 Dwg scale: AS SHOWN

AIP NO.:3-04-0028-045-2023



KEY MAP



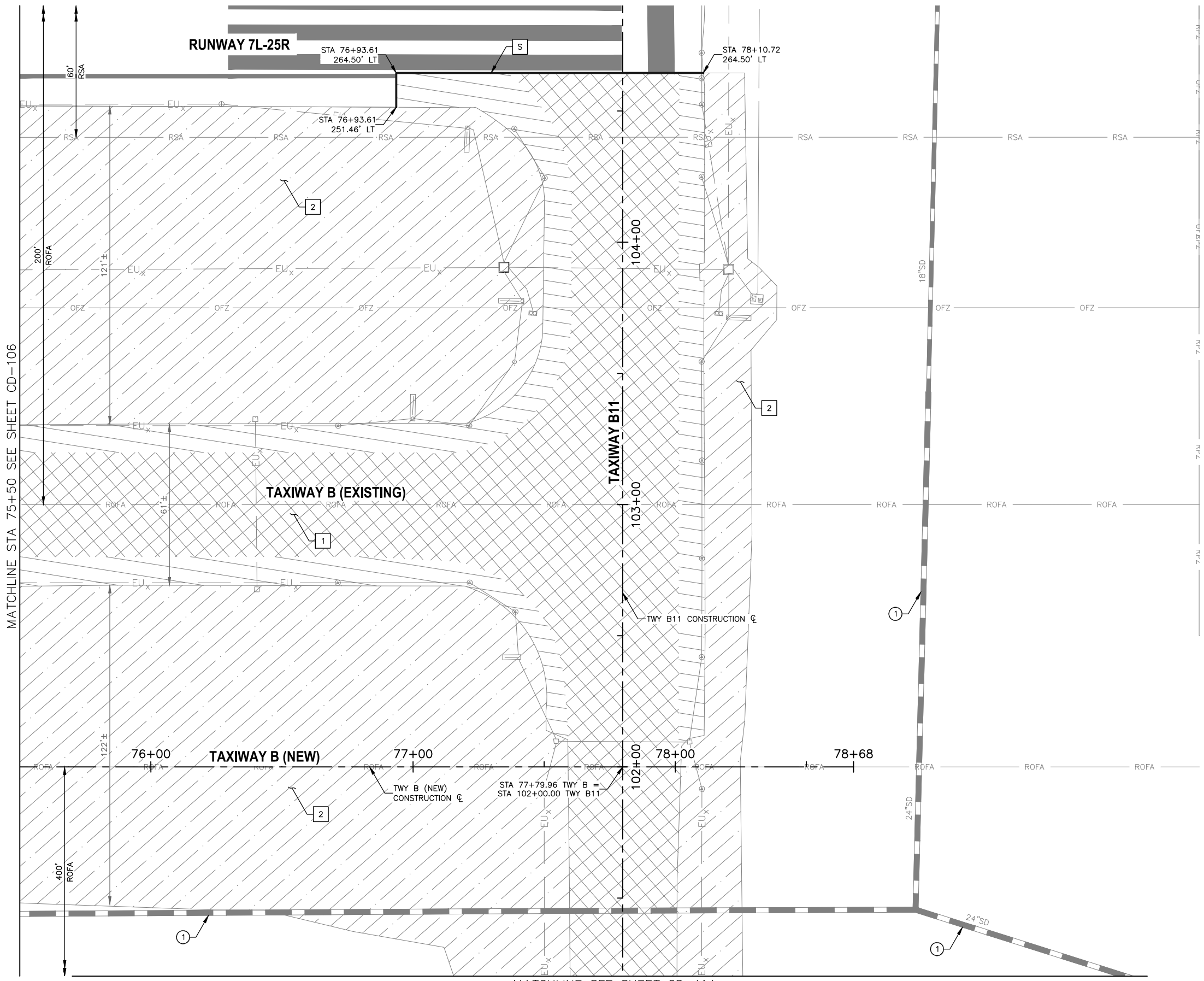
SHEET OVERVIEW TITLE

CIVIL DEMOLITION PLAN

SHEET REFERENCE NUMBER:
CD-106

SHEET 13 OF 107

N:\2019\190501 - DVT TWY B Relocation\Drawings\GMP1 - AV31000092-1-CD-107-GMP1.dwg - Apr 07 2023 3:10pm



MATCHLINE STA 75+50 SEE SHEET CD-106

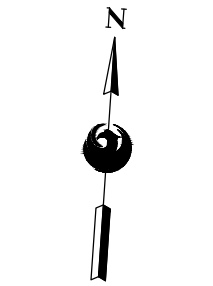
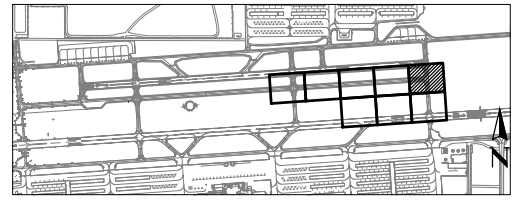
MATCHLINE SEE SHEET CD-114

REMOVAL NOTES

- 1 REMOVE EXISTING ASPHALT PAVEMENT FULL DEPTH (P-101)
 - 2 REMOVE, HAUL, AND STOCKPILE CRUSHED AGGREGATE SLOPE PROTECTION (SP-37)
 - S SAWCUT EXISTING AC PAVEMENT FULL DEPTH (NPI)
- FULL DEPTH ASPHALT PAVEMENT REMOVAL
 - FULL DEPTH ASPHALT SHOULDER PAVEMENT REMOVAL
 - CRUSHED AGGREGATE SLOPE PROTECTION

REFERENCE NOTES

- ① EXISTING STORM DRAIN PIPE, PROTECT IN PLACE
1. SEE ELECTRICAL DEMOLITION PLAN FOR ELECTRICAL ITEMS.
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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYB
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
RELOCATE TAXIWAY BAND
CONSTRUCT CONNECTORS
B6 AND B9 - GMP 1
AV31000092 FAA

Designed by: B. SALINE
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Date: 04/2023
Dwg scale: AS SHOWN

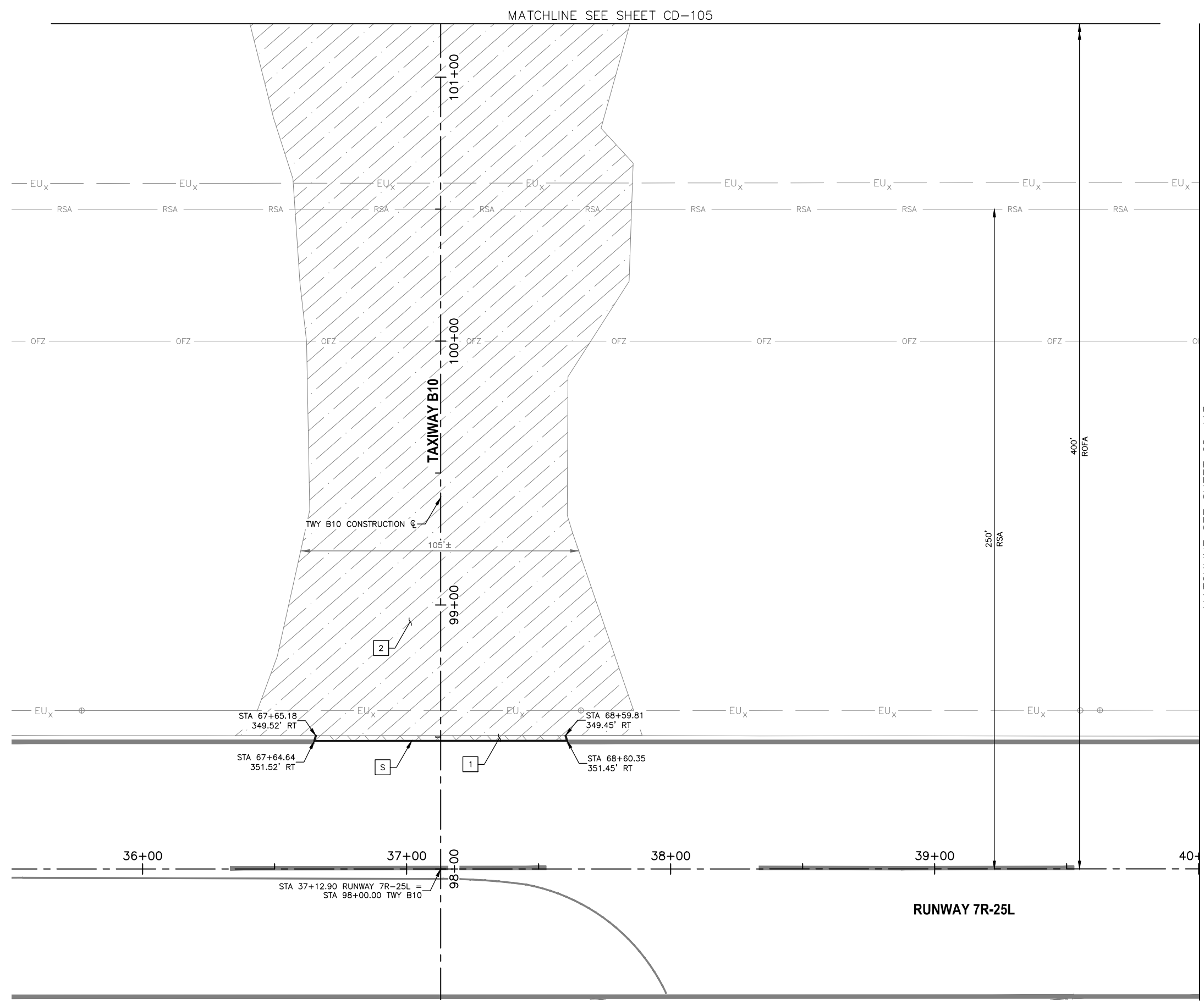
AIP NO.: 3-04-0028-045-2023

SHEET OVERVIEW TITLE

CIVIL DEMOLITION PLAN

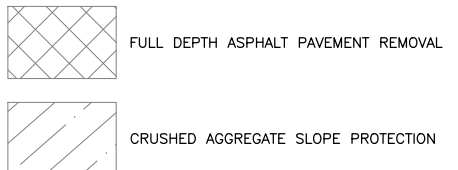
SHEET REFERENCE NUMBER:
CD-107
SHEET 14 OF 107

N:\2019\190501 - DVT TWY B Rehabilitation\Draw\GMP1.dwg - AV31000092-1-CD-112-GMP1.dwg - Apr 07 2023 3:10pm



REMOVAL NOTES

- 1 REMOVE EXISTING ASPHALT PAVEMENT FULL DEPTH (P-101)
- 2 REMOVE, HAUL, AND STOCKPILE CRUSHED AGGREGATE SLOPE PROTECTION (SP-37)
- S SAWCUT EXISTING AC PAVEMENT FULL DEPTH (NPI)



REFERENCE NOTES

- 1. SEE ELECTRICAL DEMOLITION PLAN FOR ELECTRICAL ITEMS.
- 2. SEE GRADING AND DRAINAGE PLAN FOR GRADING LIMIT STATIONING.
- 3. STATIONING IS BASED ON NEW TWY B CONSTRUCTION & UNLESS OTHERWISE NOTED.

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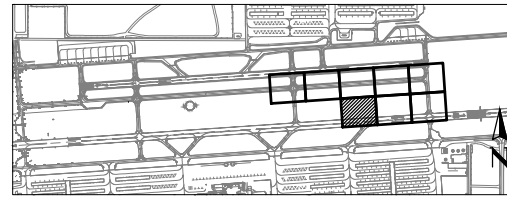
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NO	REVISIONS / SUBMISSIONS	DATE

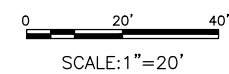
PHX DVT BYR
 CITY OF PHOENIX AVIATION DEPARTMENT
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 B6 AND B9 - GMP 1
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Designed by: B. SALINE
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 Dwg scale: AS SHOWN

AIP NO.: 3-04-0028-045-2023



KEY MAP



SHEET OVERVIEW TITLE

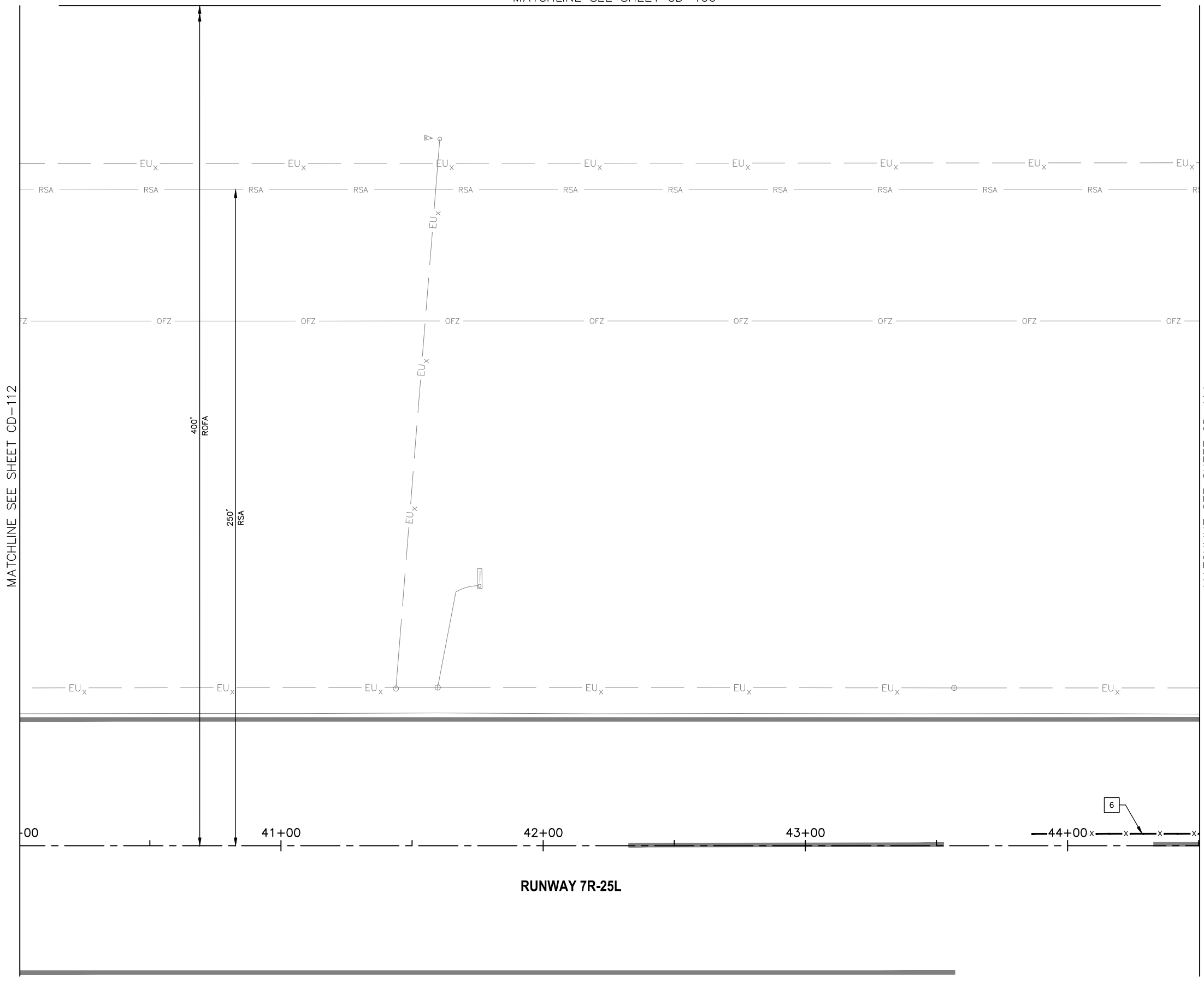
CIVIL DEMOLITION PLAN

SHEET REFERENCE NUMBER:
CD-112

SHEET 15 OF 107

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MATCHLINE SEE SHEET CD-106



RUNWAY 7R-25L

REMOVAL NOTES

- 6 OBLITERATE EXISTING PAVEMENT MARKING (P-620)

REFERENCE NOTES

- SEE ELECTRICAL DEMOLITION PLAN FOR ELECTRICAL ITEMS.
- SEE GRADING AND DRAINAGE PLAN FOR GRADING LIMIT STATIONING.
- STATIONING IS BASED ON NEW TWY B CONSTRUCTION & UNLESS OTHERWISE NOTED.

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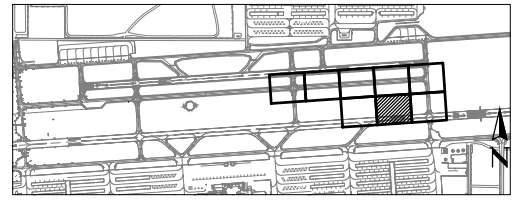
PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-28, THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF CONTRACTOR'S CONTRACT WITH THE CITY OF PHOENIX.

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
RELOCATE TAXIWAY BAND
CONSTRUCT CONNECTORS
B6 AND B9 - GMP 1
AV31000092 FAA

Designed by: B. SALINE
Drawn by: T. ROTH
Checked by: C. JHAVERI
Date: 04/2023
Dwg scale: AS SHOWN

AIP NO.:3-04-0028-045-2023



KEY MAP



0 20' 40'
SCALE: 1" = 20'



SHEET OVERVIEW TITLE

CIVIL DEMOLITION PLAN

SHEET REFERENCE NUMBER:

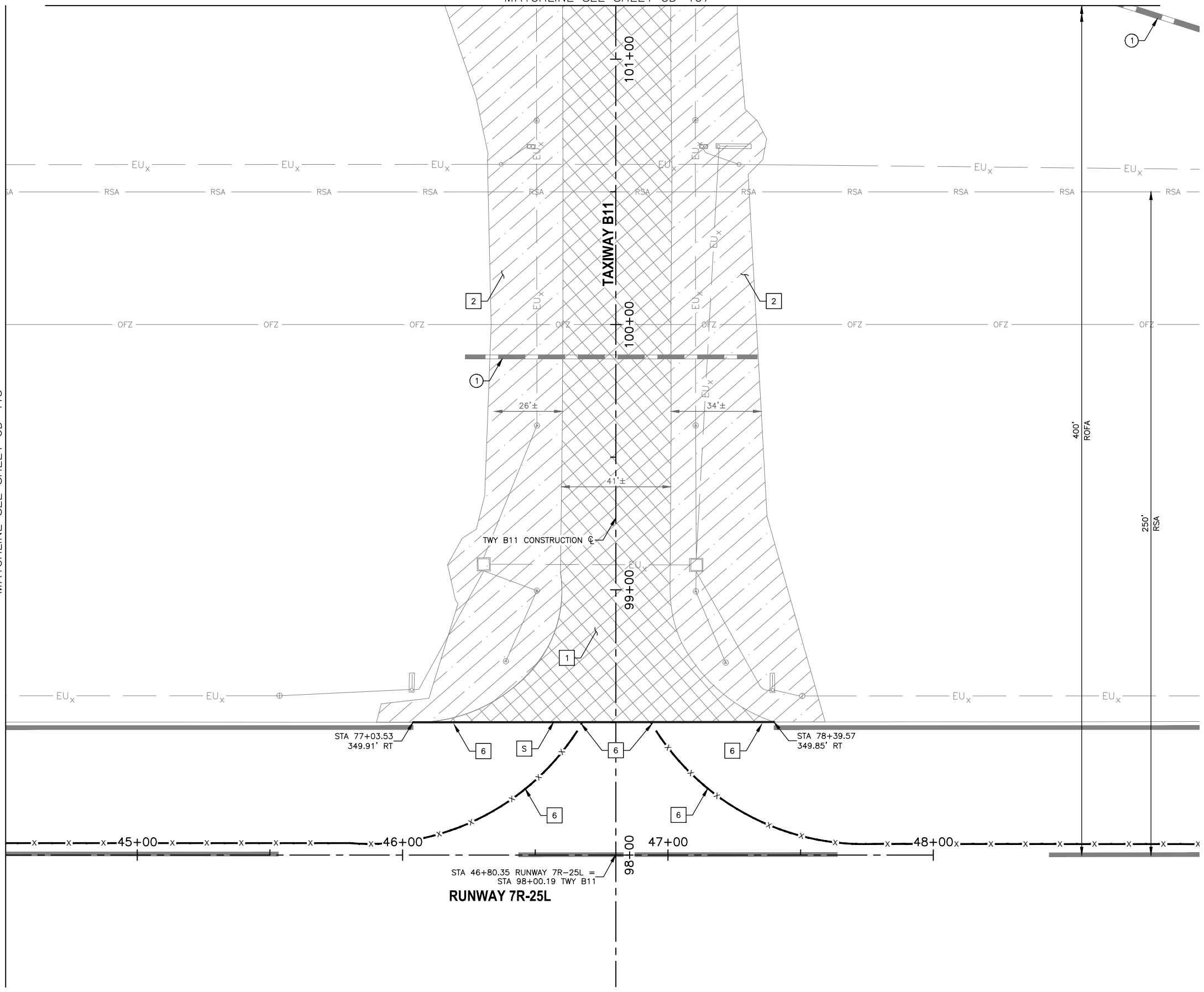
CD-113

SHEET 16 OF 107

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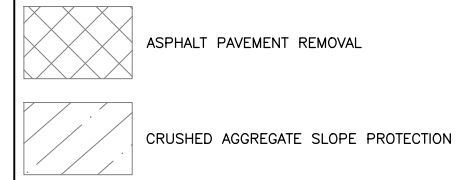
MATCHLINE SEE SHEET CD-113

MATCHLINE SEE SHEET CD-107



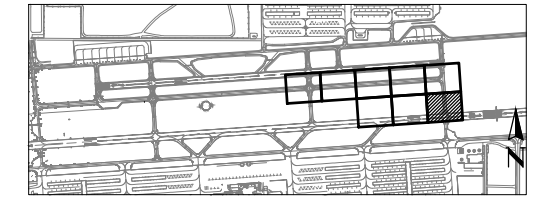
REMOVAL NOTES

- 1 REMOVE EXISTING ASPHALT PAVEMENT FULL DEPTH (P-101)
- 2 REMOVE, HAUL, AND STOCKPILE CRUSHED AGGREGATE SLOPE PROTECTION (SP-37)
- 6 OBLITERATE EXISTING PAVEMENT MARKING (P-620)
- S SAWCUT EXISTING AC PAVEMENT FULL DEPTH (NPI)

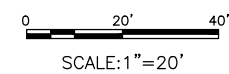


REFERENCE NOTES

- 1 EXISTING STORM DRAIN PIPE, PROTECT IN PLACE
- 1. SEE ELECTRICAL DEMOLITION PLAN FOR ELECTRICAL ITEMS.
- 2. SEE GRADING AND DRAINAGE PLAN FOR GRADING LIMIT STATIONING.
- 3. STATIONING IS BASED ON NEW TWY B CONSTRUCTION & UNLESS OTHERWISE NOTED.



KEY MAP



SCALE: 1" = 20'



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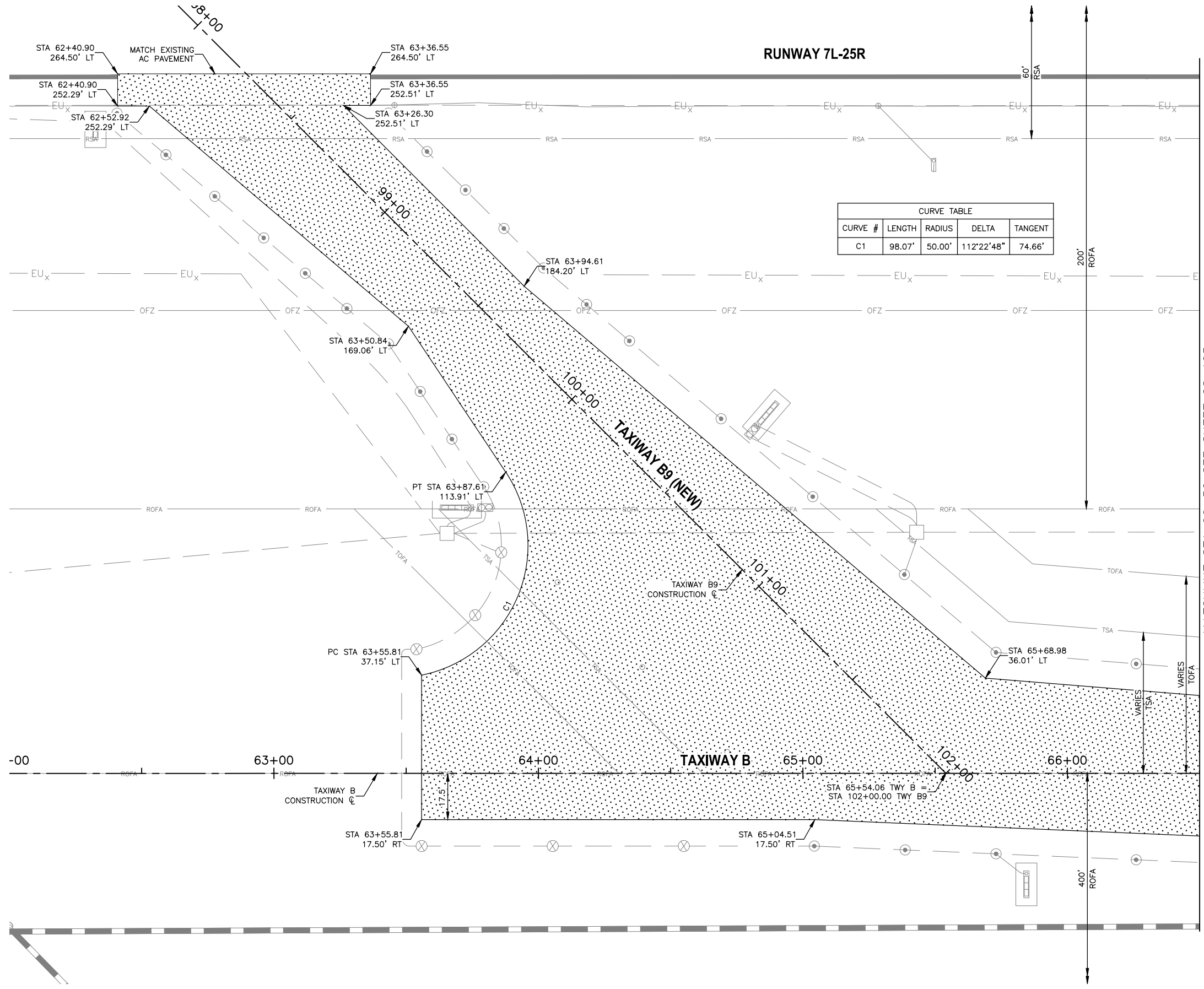
NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
RELOCATE TAXIWAY BAND
CONSTRUCT CONNECTORS
B6 AND B9 - GMP 1
AV31000092 FAA

Designed by: B. SALINE
Drawn by: T. ROTH
Checked by: C. JHAVERI
Date: 04/2023
Dwg scale: AS SHOWN
AIP NO.: 3-04-0028-045-2023

SHEET OVERVIEW TITLE
CIVIL DEMOLITION PLAN

SHEET REFERENCE NUMBER:
CD-114
SHEET 17 OF 107



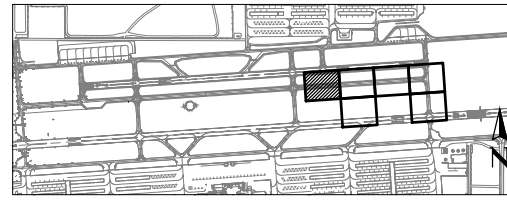
MATCHLINE STA 66+50 SEE SHEET CS-105

LEGEND

 NEW ASPHALT TAXIWAY PAVEMENT. SEE TYPICAL SECTION 1 SHEET CS-301

REFERENCE NOTES

- STATIONING IS BASED ON TWY B CONSTRUCTION ϕ UNLESS OTHERWISE NOTED.



KEY MAP



0 20' 40'
SCALE: 1" = 20'

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SHEET OVERVIEW TITLE

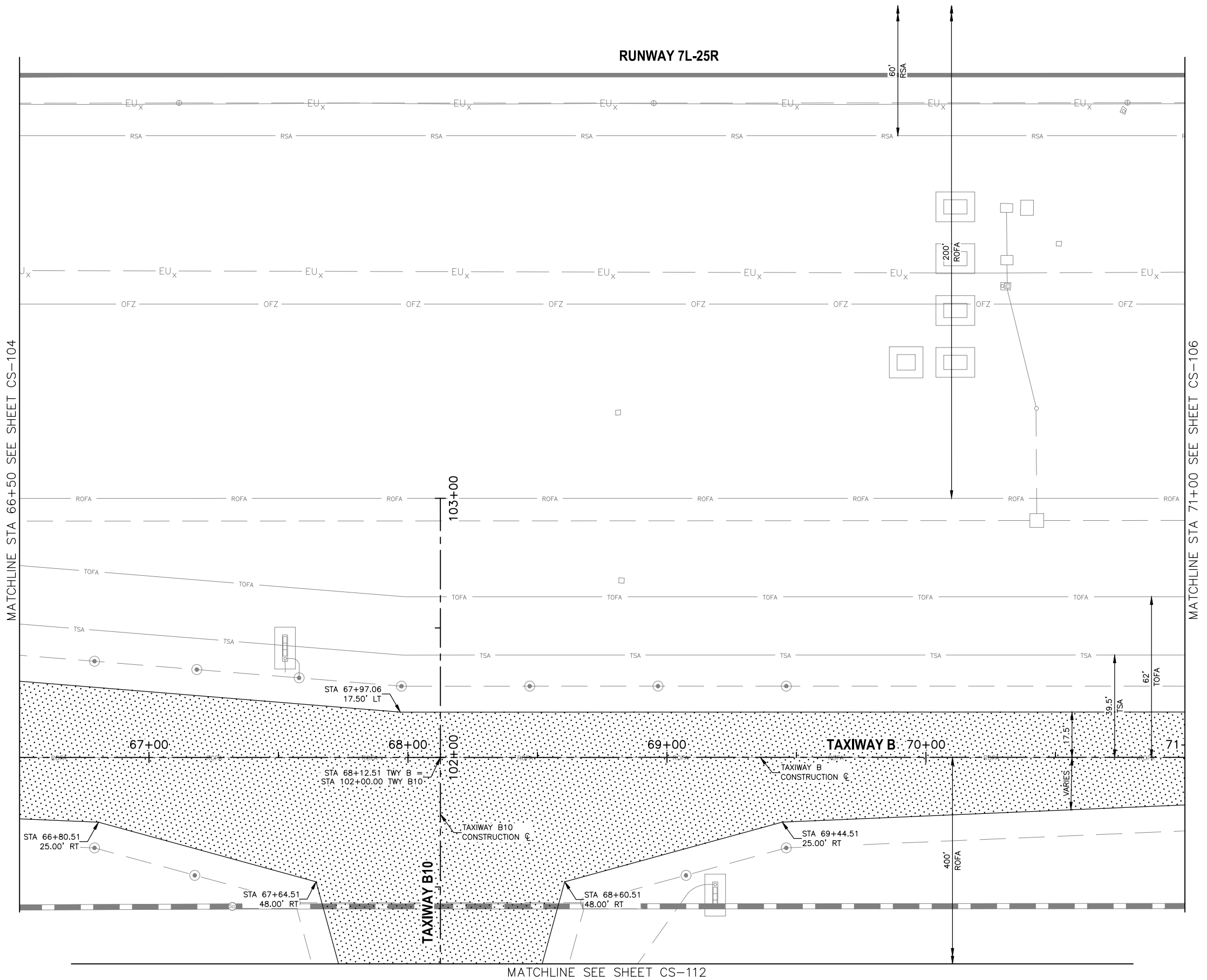
GEOMETRIC LAYOUT PLAN

SHEET REFERENCE NUMBER:
CS-104
SHEET 18 OF 107



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MATCHLINE STA 66+50 SEE SHEET CS-104

MATCHLINE STA 71+00 SEE SHEET CS-106

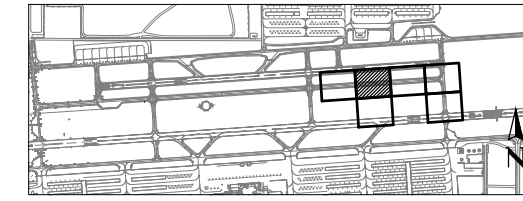
MATCHLINE SEE SHEET CS-112

LEGEND

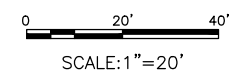
NEW ASPHALT TAXIWAY PAVEMENT. SEE TYPICAL SECTION 1 SHEET CS-301

REFERENCE NOTES

- STATIONING IS BASED ON TWY B CONSTRUCTION C UNLESS OTHERWISE NOTED.



KEY MAP



SCALE: 1" = 20'



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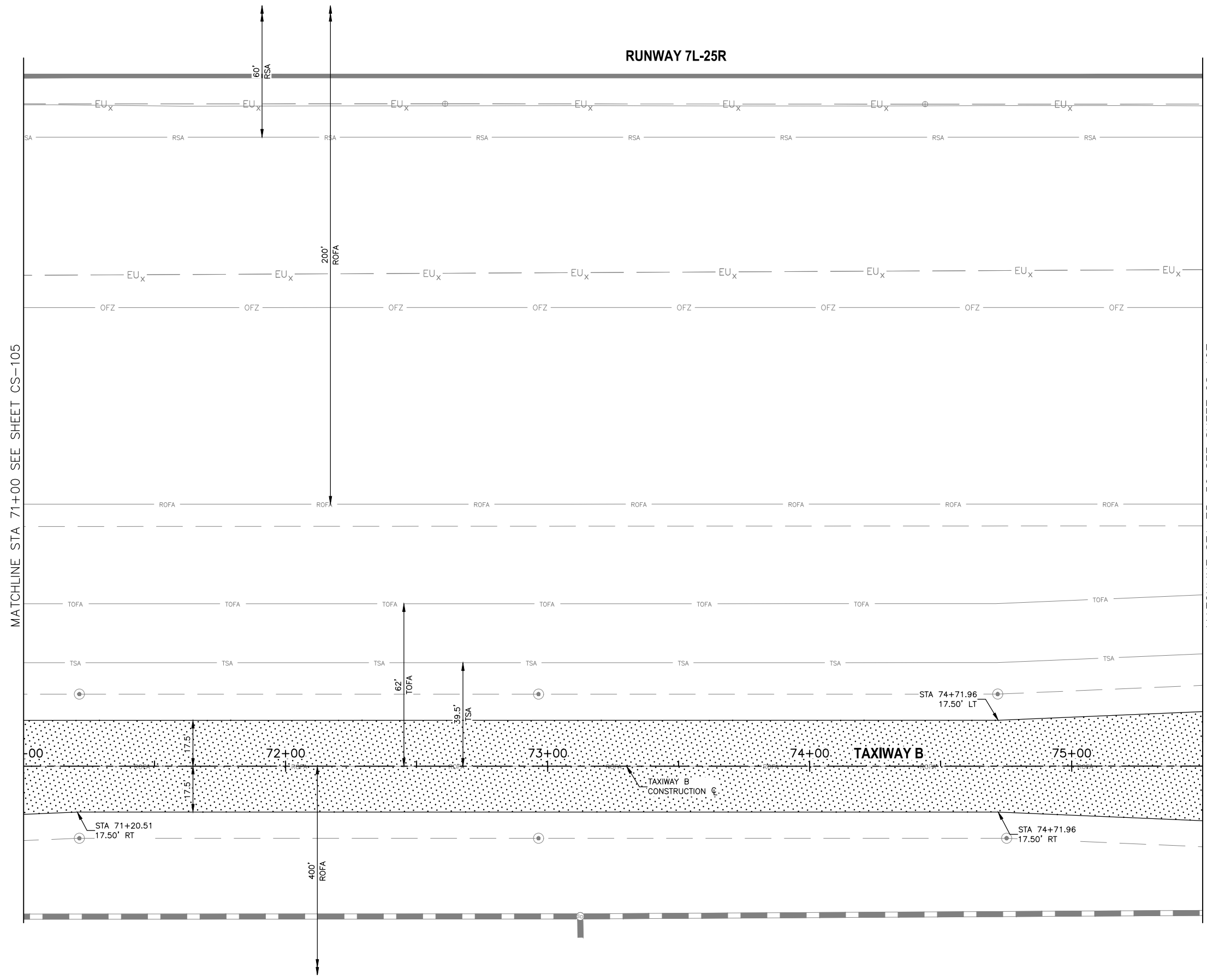
SHEET OVERVIEW TITLE

GEOMETRIC LAYOUT PLAN

SHEET REFERENCE NUMBER:
CS-105

SHEET 19 OF 107

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MATCHLINE STA 71+00 SEE SHEET CS-105

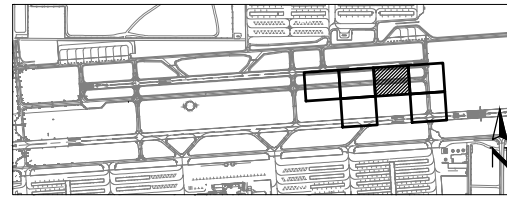
MATCHLINE STA 75+50 SEE SHEET CS-107

LEGEND

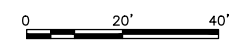
NEW ASPHALT TAXIWAY PAVEMENT. SEE TYPICAL SECTION 1 SHEET CS-301

REFERENCE NOTES

- STATIONING IS BASED ON TWY B CONSTRUCTION $\text{\textcircled{C}}$ UNLESS OTHERWISE NOTED.



KEY MAP



SCALE: 1" = 20'



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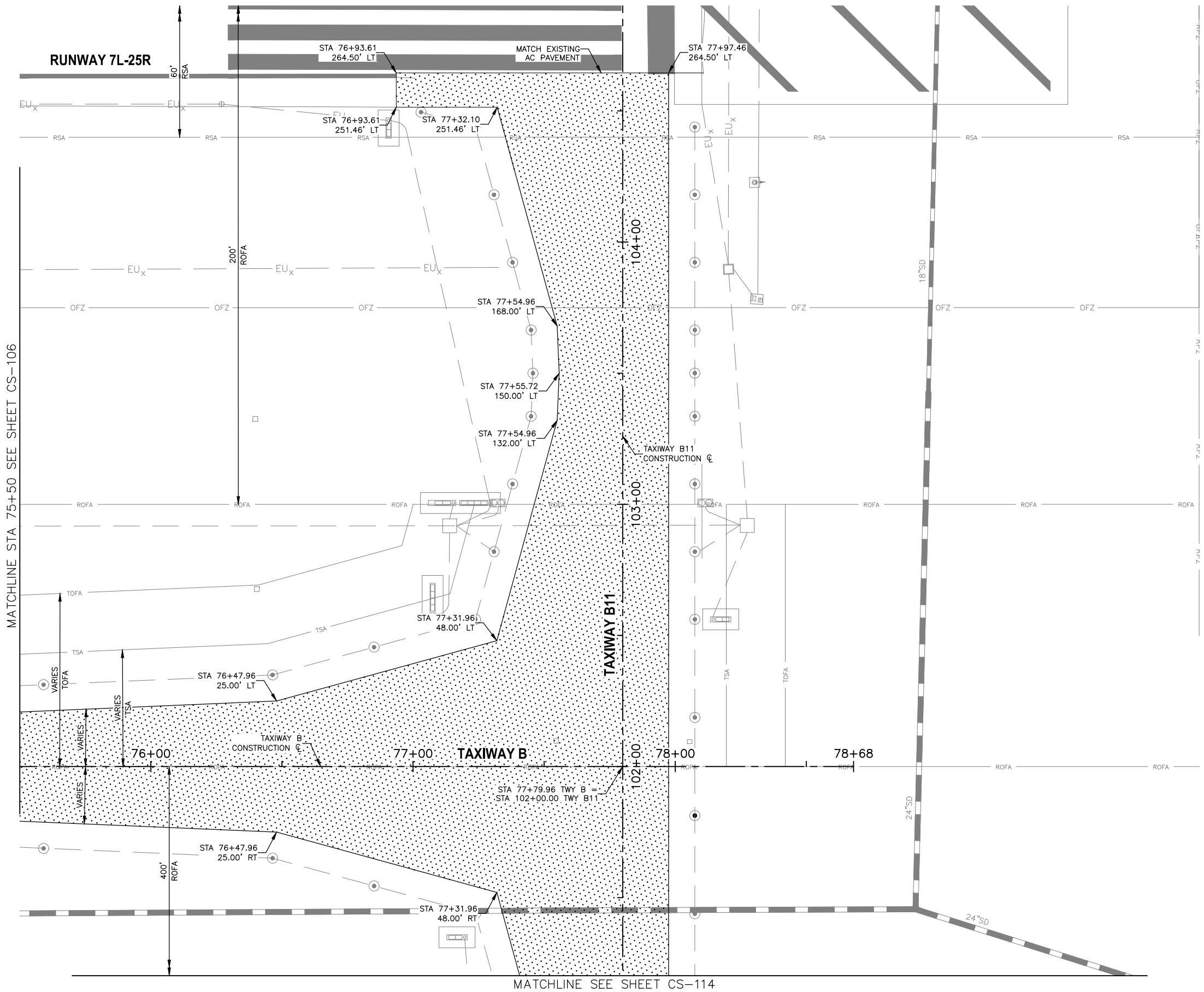
PHX DVT BYR
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 Dwg scale: AS SHOWN
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SHEET OVERVIEW TITLE
GEOMETRIC LAYOUT PLAN

SHEET REFERENCE NUMBER:
CS-106
 SHEET 20 OF 107

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MATCHLINE STA 75+50 SEE SHEET CS-106

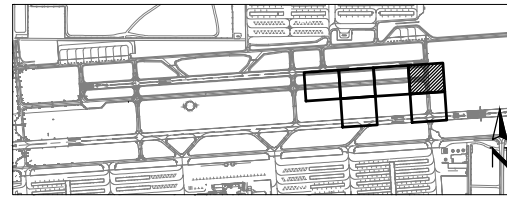
MATCHLINE SEE SHEET CS-114

LEGEND

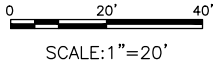
 NEW ASPHALT TAXIWAY PAVEMENT. SEE TYPICAL SECTION 1 SHEET CS-301

REFERENCE NOTES

- STATIONING IS BASED ON TWY B CONSTRUCTION C UNLESS OTHERWISE NOTED.



KEY MAP



SCALE: 1" = 20'

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SHEET OVERVIEW TITLE

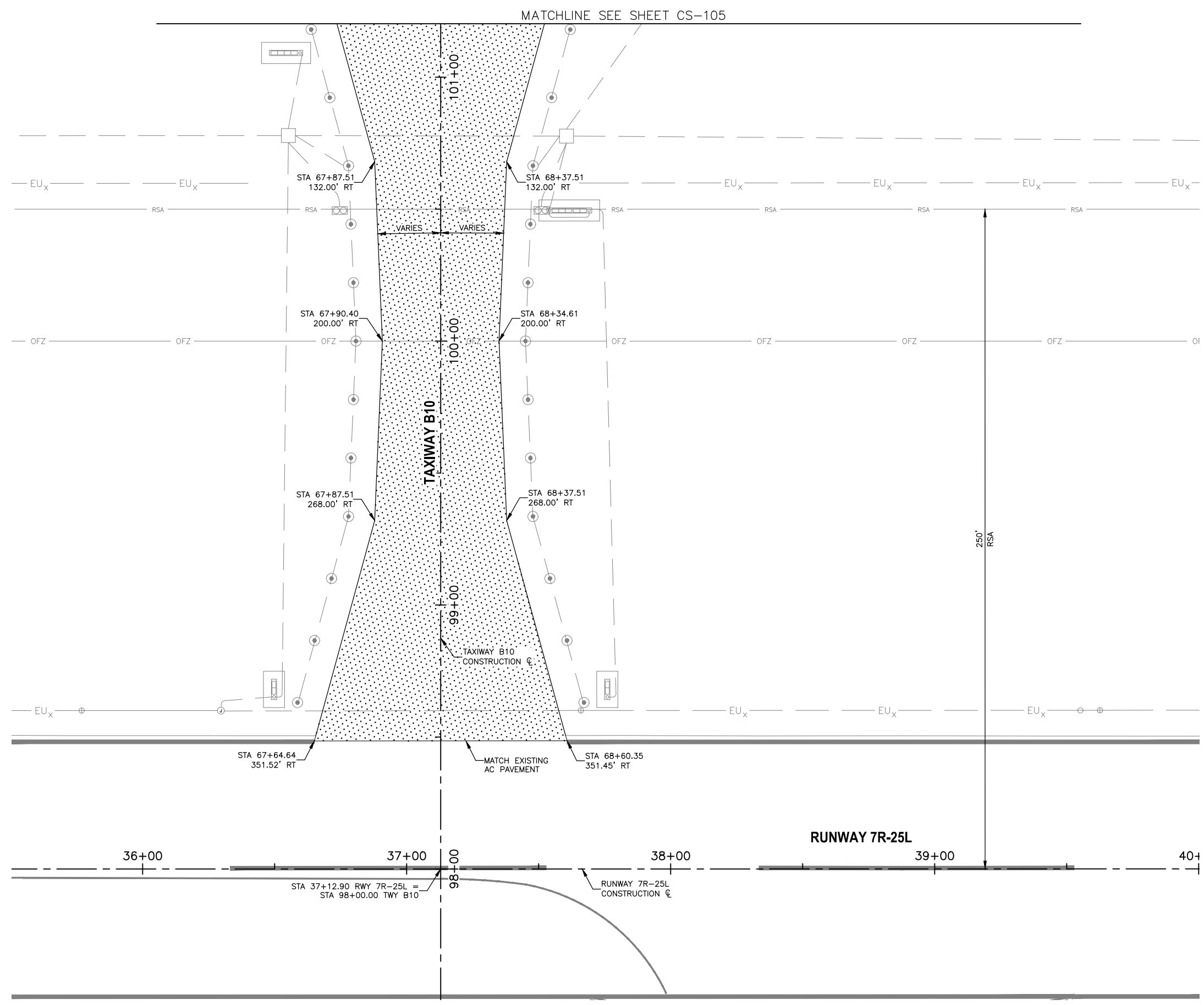
GEOMETRIC LAYOUT PLAN

SHEET REFERENCE NUMBER:
CS-107

SHEET 21 OF 107

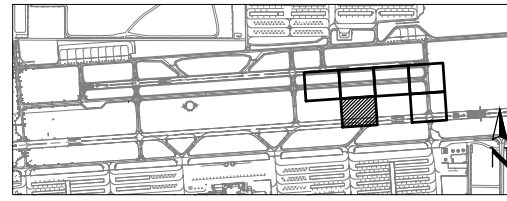


N:\2019\190501 - DVT TWY B Relocation\Drawn\GMP1 - AV31000092-1-CS-112-GMP1.dwg - Apr 07 2023 3:16pm



LEGEND

NEW ASPHALT TAXIWAY PAVEMENT. SEE TYPICAL SECTION 1 SHEET CS-301



KEY MAP



0 20' 40'
SCALE: 1" = 20'



REFERENCE NOTES

- STATIONING IS BASED ON TWY B CONSTRUCTION $\text{\textcircled{C}}$ UNLESS OTHERWISE NOTED.

PRIME CONSULTANT
TRAGE CONSULTING
10711 Johnson St., Suite 11 Phoenix, AZ 85024

SUB CONSULTANT

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PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-28, THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF CONTRACTOR'S CONTRACT WITH THE CITY OF PHOENIX.

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
RELOCATE TAXIWAY B AND
CONSTRUCT CONNECTORS
B6 AND B9 - GMP 1
AV31000092 FAA

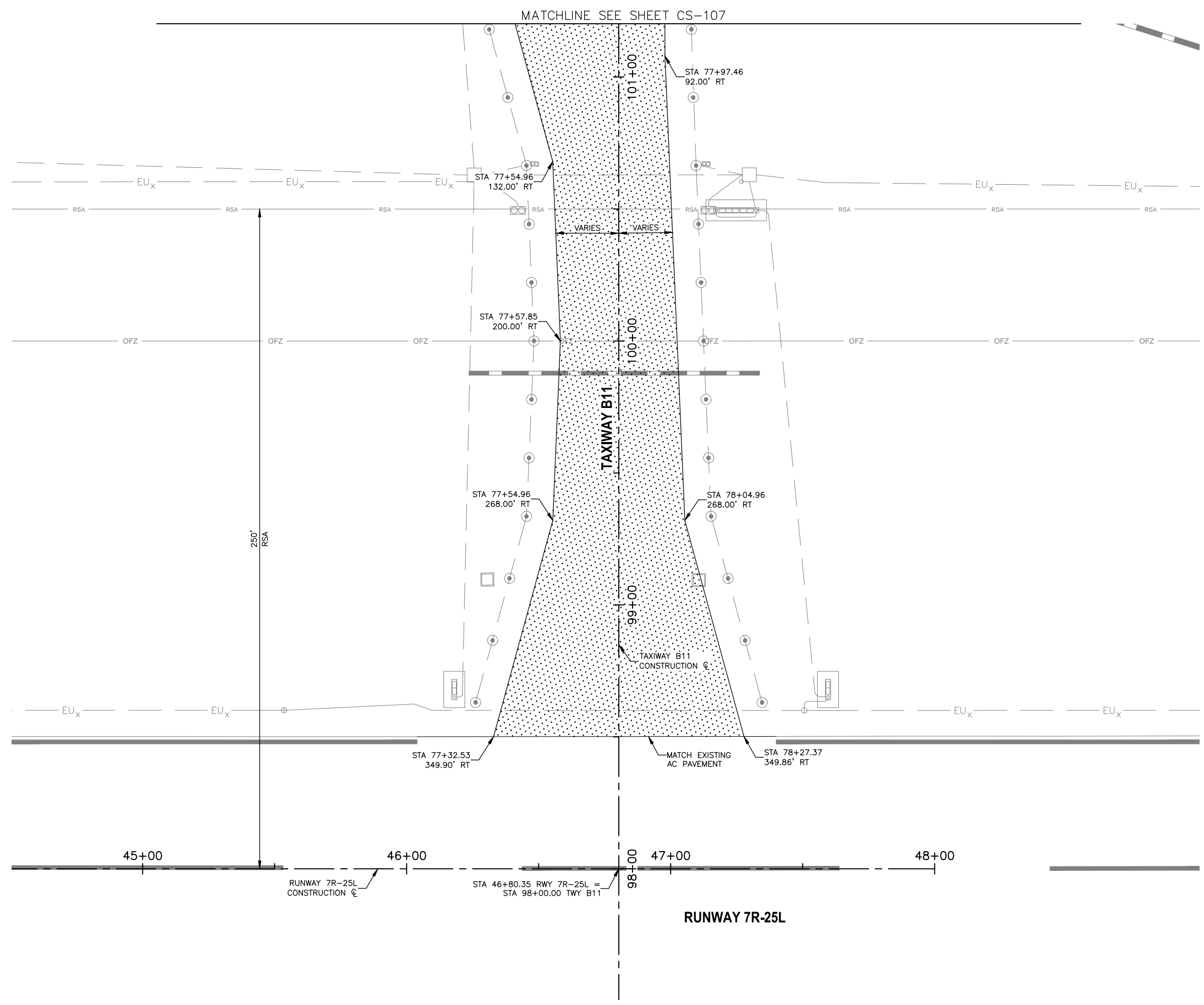
Designed by: B. SALINE
Drawn by: T. ROTH
Checked by: C. JHAVERI
Date: 04/2023
Dwg scale: AS SHOWN

AIP NO.: 3-04-0028-045-2023

SHEET OVERVIEW TITLE
GEOMETRIC LAYOUT PLAN

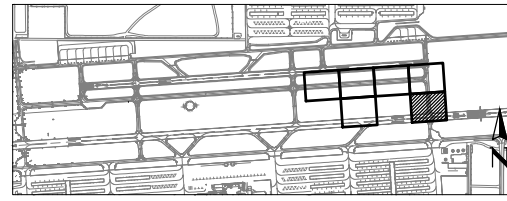
SHEET REFERENCE NUMBER:
CS-112
SHEET 22 OF 107

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LEGEND

NEW ASPHALT TAXIWAY PAVEMENT. SEE TYPICAL SECTION 1 SHEET CS-301



KEY MAP



0 20' 40'
SCALE: 1" = 20'



REFERENCE NOTES

- STATIONING IS BASED ON TWY B CONSTRUCTION C UNLESS OTHERWISE NOTED.

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TRAGE CONSULTING
10711 Johnson St., Suite 111 Phoenix, AZ 85028

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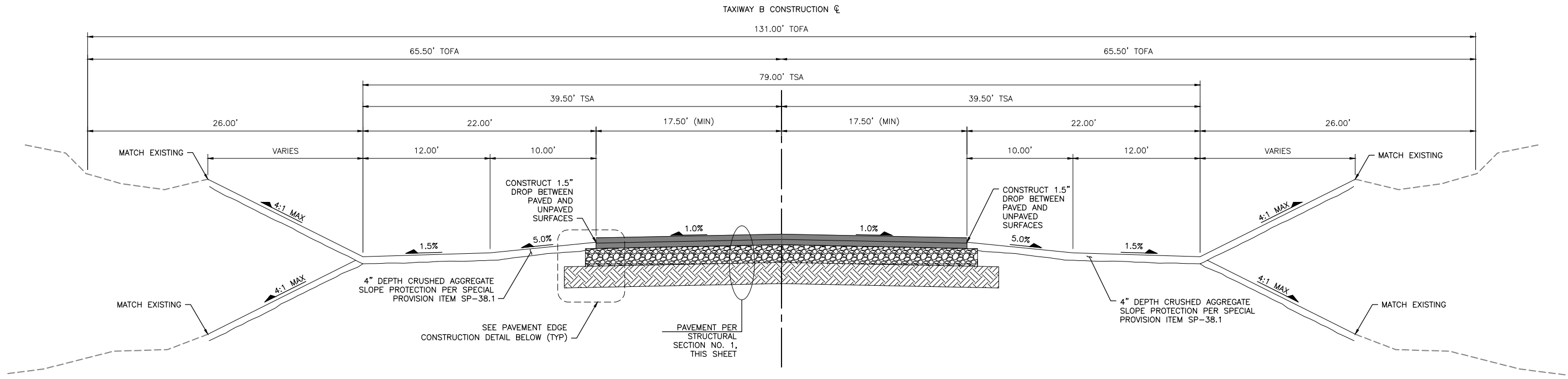
NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
RELOCATE TAXIWAY B AND
CONSTRUCT CONNECTORS
B6 AND B9 - GMP 1
AV31000092 FAA

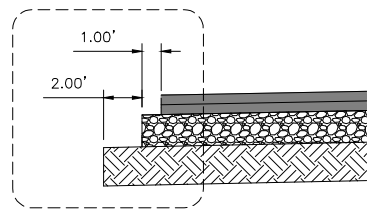
Designed by: B. SALINE
Drawn by: T. ROTH
Checked by: C. JHAVERI
Date: 04/2023
Dwg scale: AS SHOWN
AIP NO.: 3-04-0028-045-2023

SHEET OVERVIEW TITLE
GEOMETRIC LAYOUT PLAN

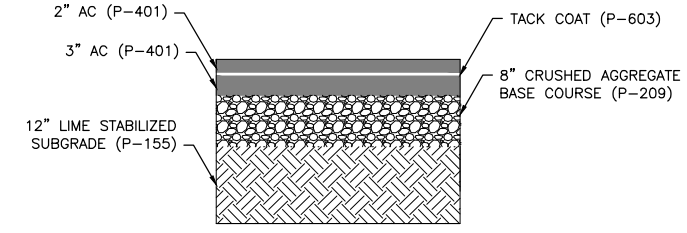
SHEET REFERENCE NUMBER:
CS-114
SHEET 23 OF 107



TYPICAL SECTION NO. 1
STA XX+XX TO STA XX+XX



PAVEMENT EDGE CONSTRUCTION DETAIL



STRUCTURAL SECTION NO. 1

PRIME CONSULTANT
TRAGE
CONSULTING
1071 E. Camelback Rd. Suite 311 Phoenix, AZ 85014

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DOT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
**DEER VALLEY AIRPORT
RELOCATE TAXIWAY B AND
CONSTRUCT CONNECTORS
B6 AND B9 - GMP 1**
AV31000092 FAA

Designed by: B. SALINE
Drawn by: T. ROTH
Checked by: C. JHAVERI
Date: 04/2023
Dwg. scale: NTS

AIP NO.:3-04-0028-045-2023

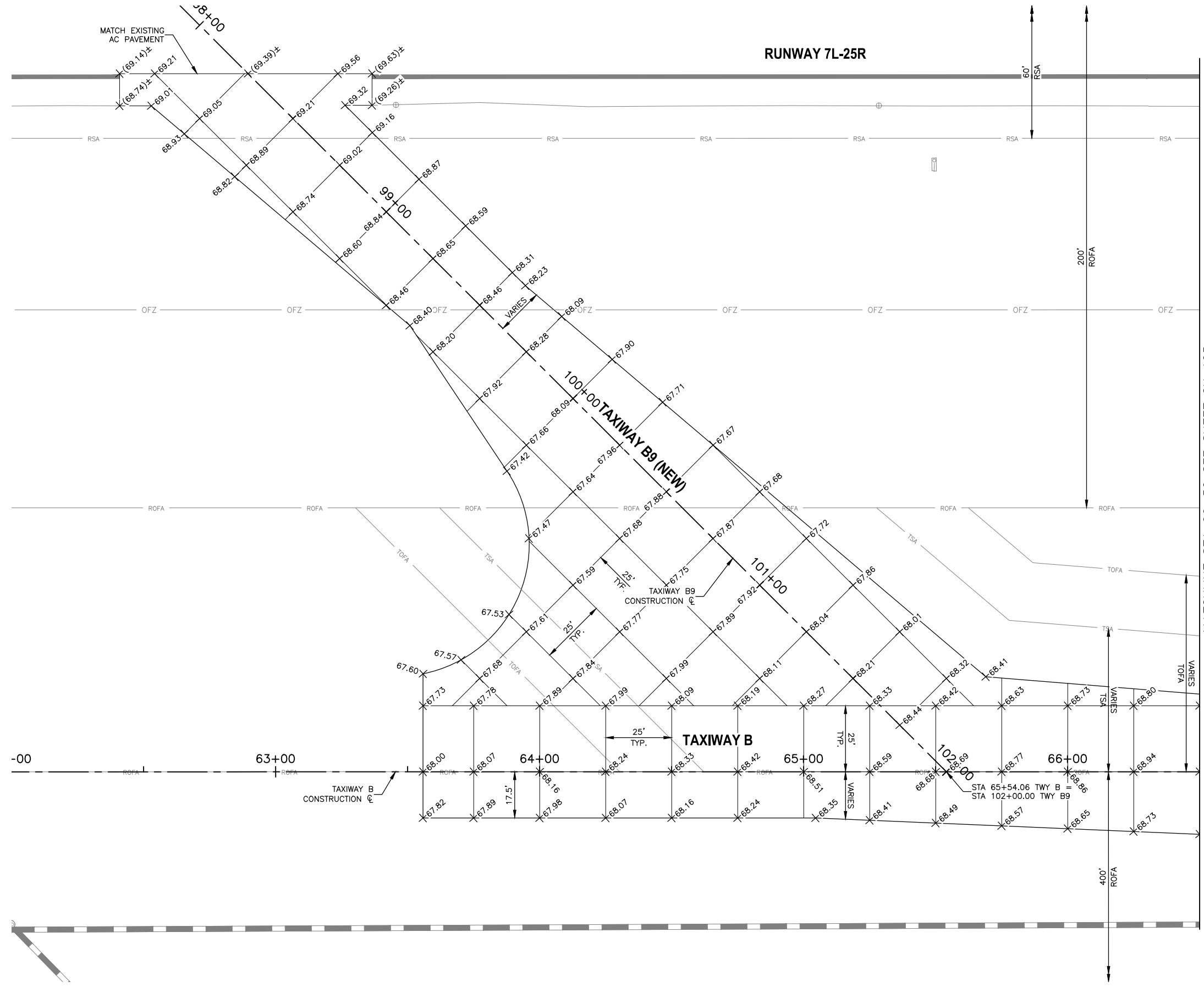
SHEET OVERVIEW TITLE

TYPICAL SECTIONS

SHEET REFERENCE NUMBER:
CS-301
SHEET 24 OF 107

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N:\2019\190501 - DVT_TWT_B_Rebocation_Dwg_GMP1\AV31000092-1-CX-104-GMP1.dwg - Apr_07_2023_3:18pm



LEGEND

1. ADD 1400 TO ALL ELEVATIONS
 +XX.XX PROPOSED ELEVATION
 +(XX.XX)± MATCH EXISTING ELEVATION

REFERENCE NOTES

1. STATIONING IS BASED ON TWY B CONSTRUCTION @ UNLESS OTHERWISE NOTED.

KEY MAP

SCALE: 1" = 20'

CONTACT ARIZONA 811 AT LEAST TWO FULL WORKING DAYS BEFORE YOU BEGIN EXCAVATION

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TRAGE CONSULTING
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NO	REVISIONS / SUBMISSIONS	DATE

PAVEMENT STAKING PLAN

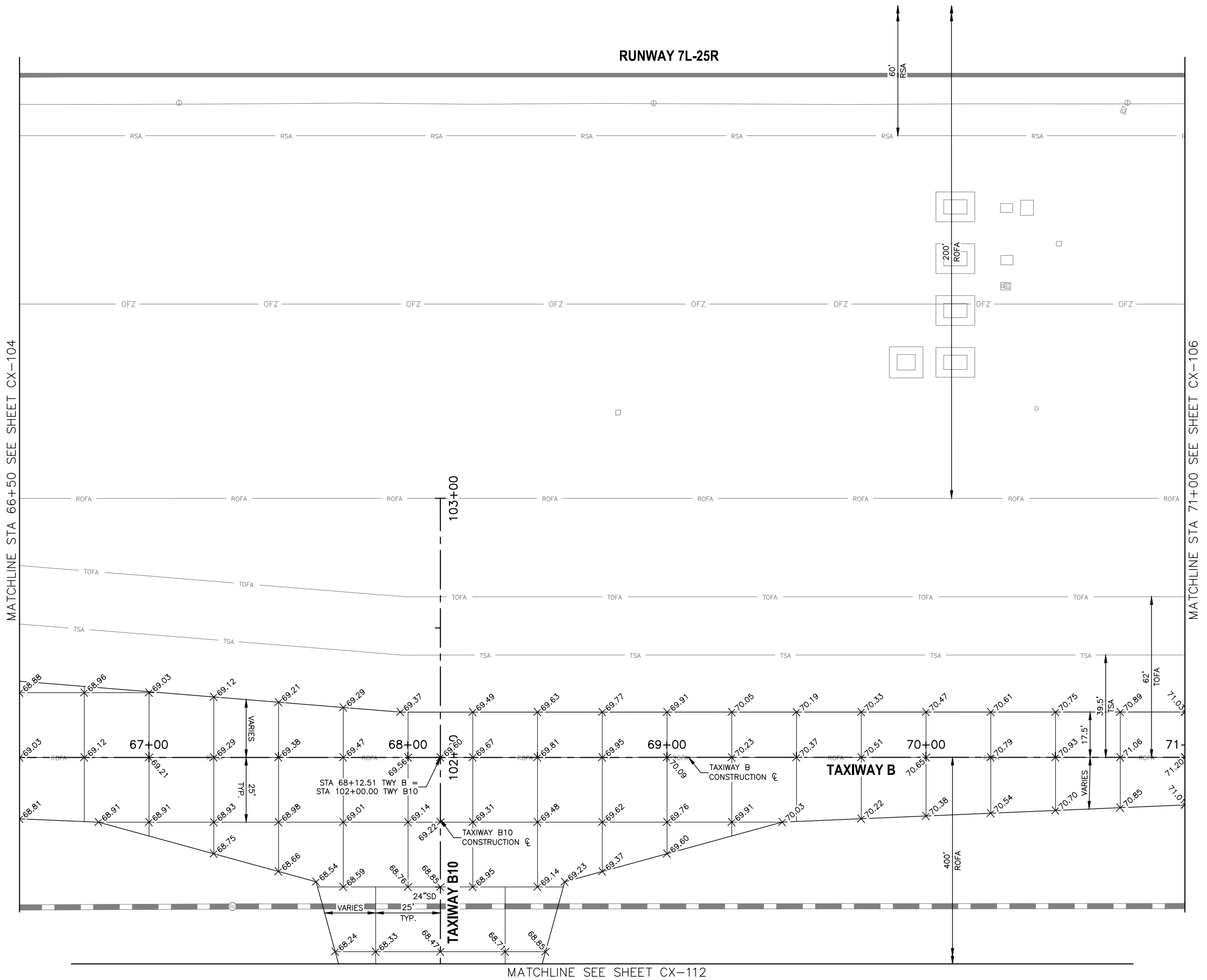
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CX-104

SHEET 25 OF 107

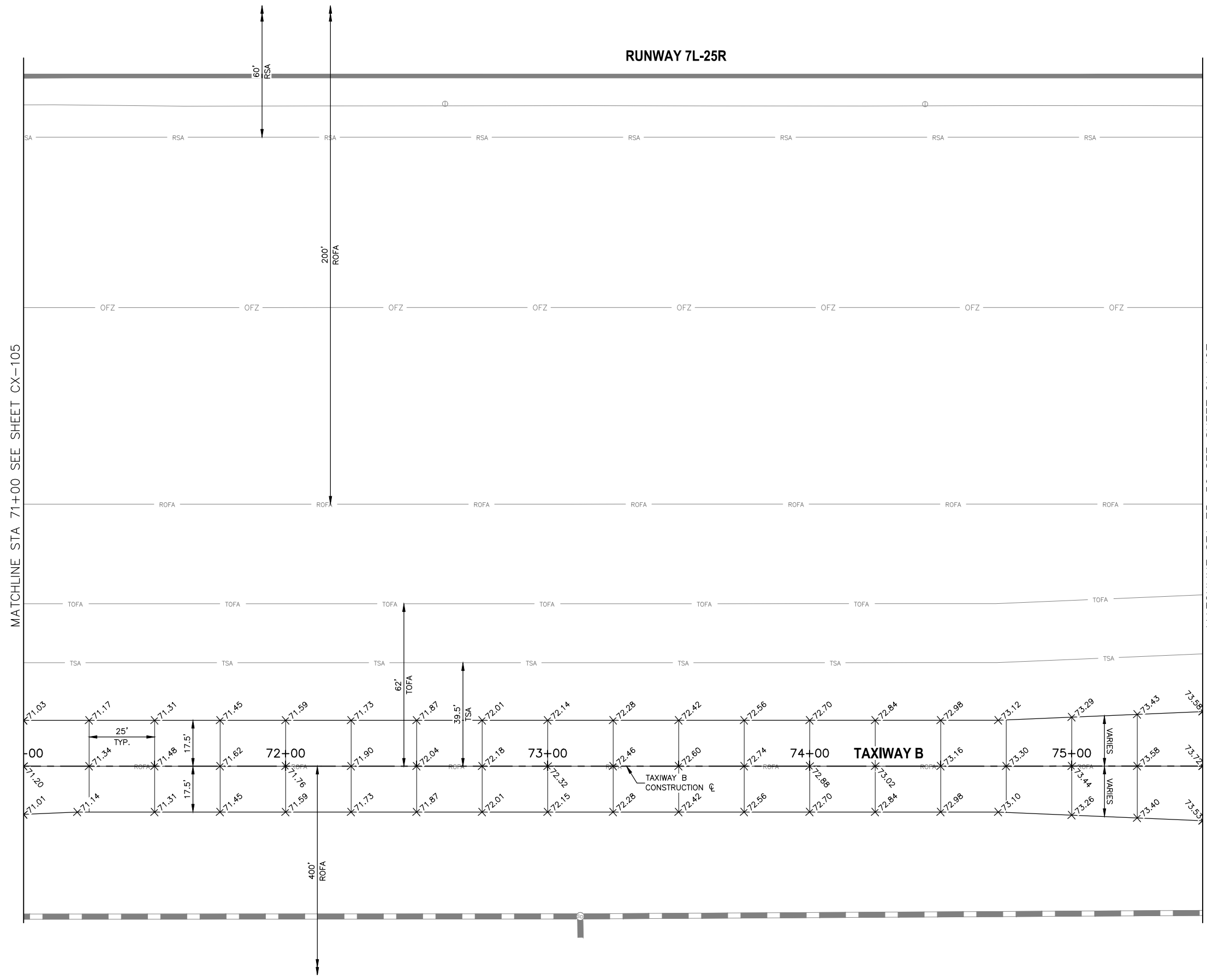
Designed by: B. SALINE
 Drawn by: T. ROTH
 Checked by: C. JHAVERI
 Date: 04/2023
 Dwg scale: AS SHOWN

AIP NO.: 3-04-0028-045-2023

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N:\2019\190501 - DVI_Twy_B_Reblocation_Dwg_GMP1\AV31000092-1-CX-106-GMP1.dwg - Apr_07_2023_3:20pm



LEGEND

1. ADD 1400 TO ALL ELEVATIONS
 +XX.XX PROPOSED ELEVATION
 +(XX.XX)± MATCH EXISTING ELEVATION

TRAGE
 CONSULTING
10711 Jefferson St. Suite 11 Phoenix, AZ 85021

PRIME CONSULTANT
 SUB CONSULTANT

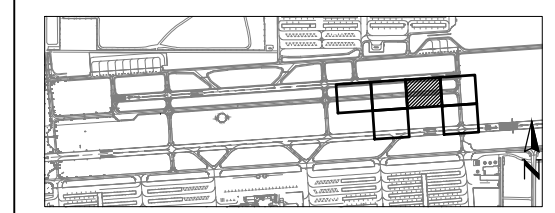
90%
 SUBMITTAL
 PRELIMINARY
 NOT FOR
 CONSTRUCTION

REFERENCE NOTES

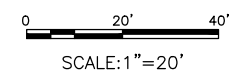
1. STATIONING IS BASED ON TWY B CONSTRUCTION @ UNLESS OTHERWISE NOTED.

PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-2-28, THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF CONTRACTOR'S CONTRACT WITH THE CITY OF PHOENIX.

NO	REVISIONS / SUBMISSIONS	DATE



KEY MAP



SCALE: 1" = 20'



PHX DVT BYB
 CITY OF PHOENIX AVIATION DEPARTMENT
 DEER VALLEY AIRPORT
 RELOCATE TAXIWAY B AND
 CONSTRUCT CONNECTORS
 B6 AND B9 - GMP 1
 AV31000092 FAA

Designed by: B. SALINE
 Drawn by: T. ROTH
 Checked by: C. JHAVERI
 Date: 04/2023
 Dwg scale: AS SHOWN

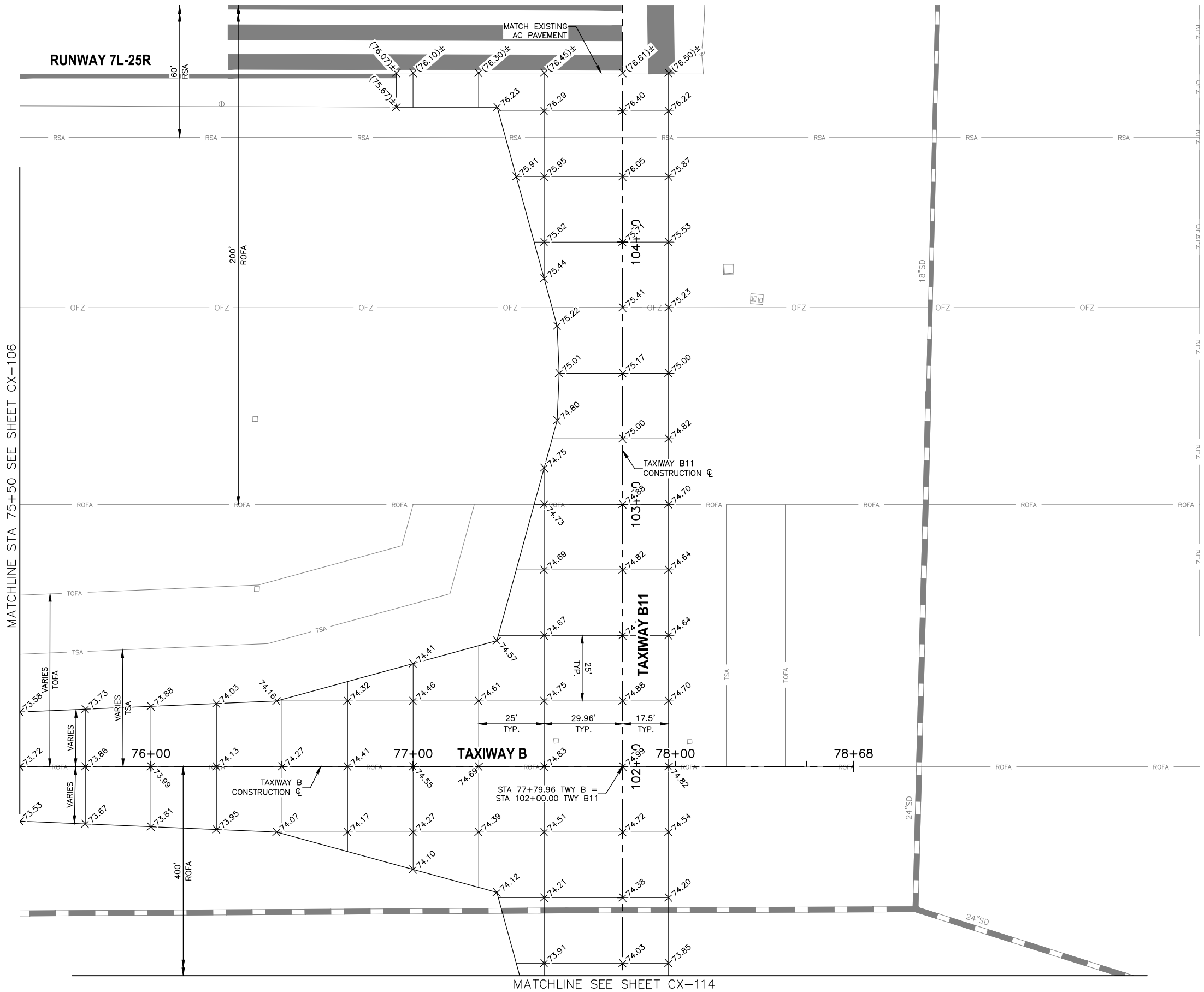
AIP NO.: 3-04-0028-045-2023

SHEET OVERVIEW TITLE

PAVEMENT STAKING PLAN

SHEET REFERENCE NUMBER:
CX-106
 SHEET 27 OF 107

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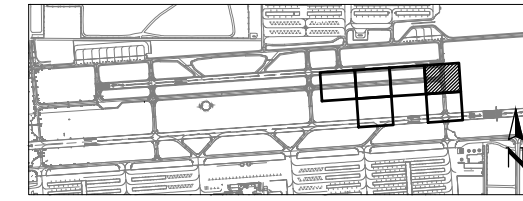


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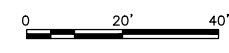
- 1. ADD 1400 TO ALL ELEVATIONS
- +XX.XX PROPOSED ELEVATION
- +(XX.XX)± MATCH EXISTING ELEVATION

REFERENCE NOTES

- 1. STATIONING IS BASED ON TWY B CONSTRUCTION ϕ UNLESS OTHERWISE NOTED.



KEY MAP



SCALE: 1" = 20'



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 SUB CONSULTANT

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NO	REVISIONS / SUBMISSIONS	DATE

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 CITY OF PHOENIX AVIATION DEPARTMENT
 DEER VALLEY AIRPORT
 RELOCATE TAXIWAY BAND
 CONSTRUCT CONNECTORS
 B6 AND B9 - GMP 1
 AV31000092 FAA

Designed by: B. SALINE
 Drawn by: T. ROTH
 Checked by: C. JHAVERI
 Date: 04/2023
 Dwg scale: AS SHOWN

AIP NO.: 3-04-0028-045-2023

SHEET OVERVIEW TITLE

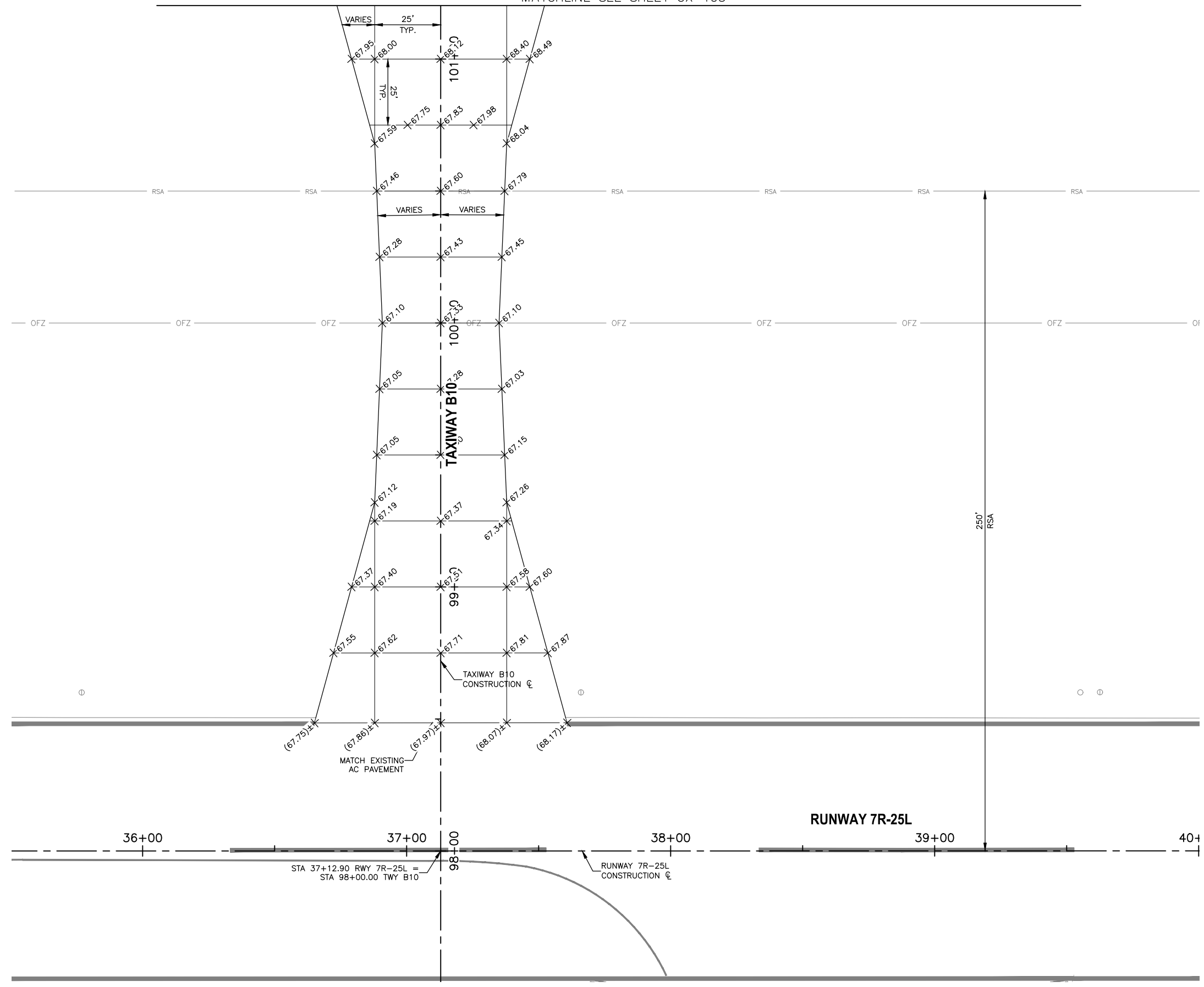
PAVEMENT STAKING PLAN

SHEET REFERENCE NUMBER:
CX-107

SHEET 28 OF 107

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MATCHLINE SEE SHEET CX-105

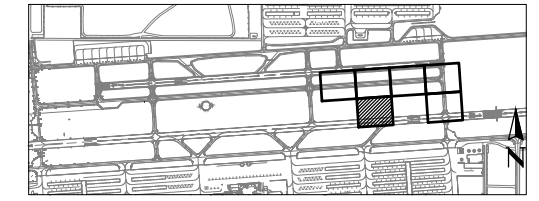


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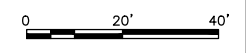
- 1. ADD 1400 TO ALL ELEVATIONS
- +XX.XX PROPOSED ELEVATION
- +(XX.XX)± MATCH EXISTING ELEVATION

REFERENCE NOTES

- 1. STATIONING IS BASED ON TWY B CONSTRUCTION C UNLESS OTHERWISE NOTED.



KEY MAP



SCALE: 1" = 20'



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CONSULTING
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PRIME CONSULTANT

SUB CONSULTANT

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PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
RELOCATE TAXIWAY B AND
CONSTRUCT CONNECTORS
B6 AND B9 - GMP 1
AV31000092 FAA

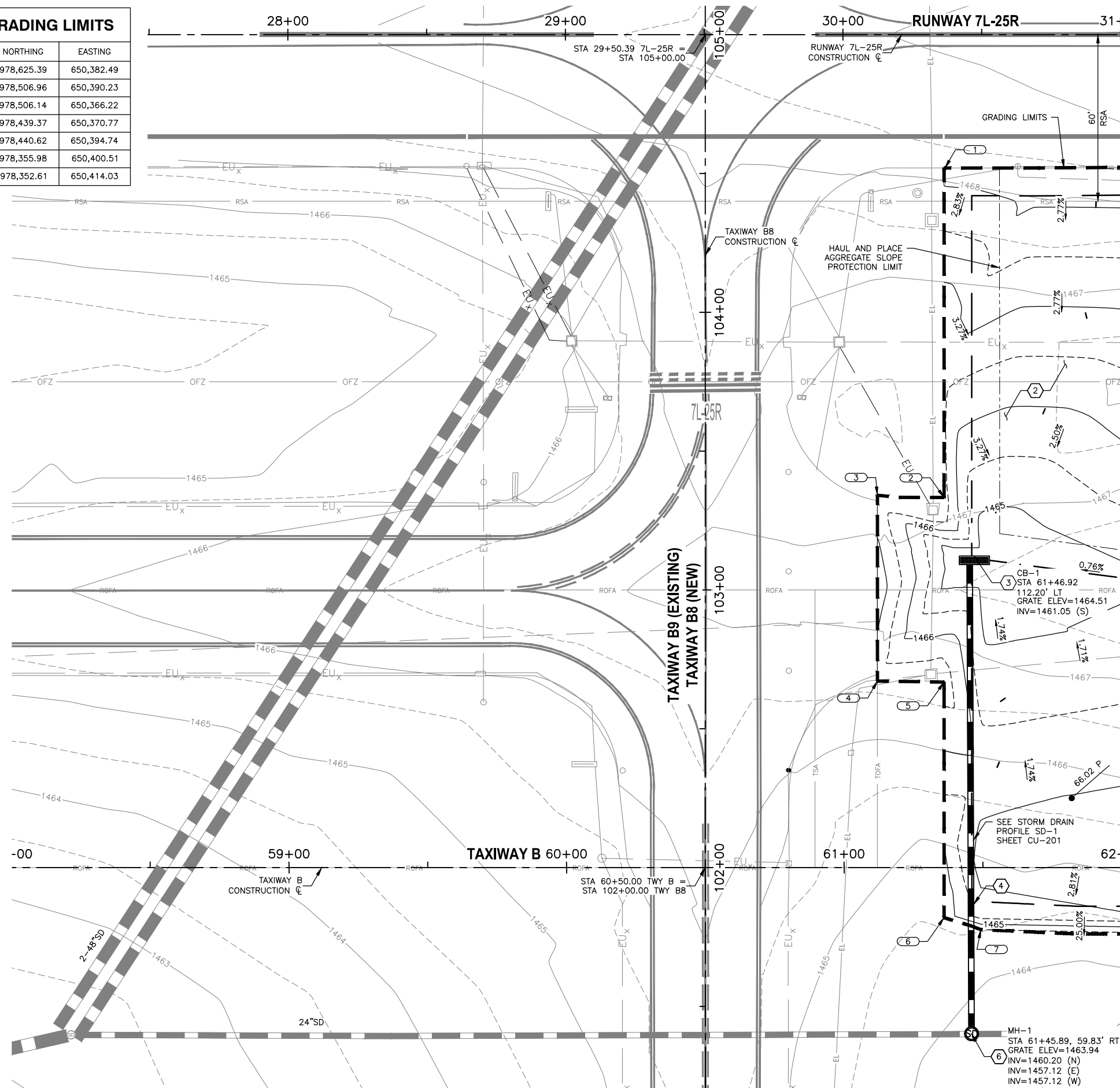
Designed by: B. SALINE
Drawn by: T. ROTH
Checked by: C. JHAVERI
Date: 04/2023
Dwg scale: AS SHOWN

SHEET OVERVIEW TITLE
PAVEMENT STAKING PLAN

SHEET REFERENCE NUMBER:
CX-112
SHEET 29 OF 107

AIP NO.: 3-04-0028-045-2023

GRADING LIMITS		
POINT #	NORTHING	EASTING
1	978,625.39	650,382.49
2	978,506.96	650,390.23
3	978,506.14	650,366.22
4	978,439.37	650,370.77
5	978,440.62	650,394.74
6	978,355.98	650,400.51
7	978,352.61	650,414.03

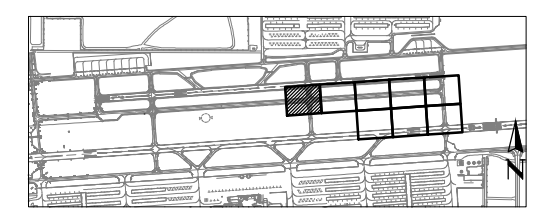


CONSTRUCTION NOTES

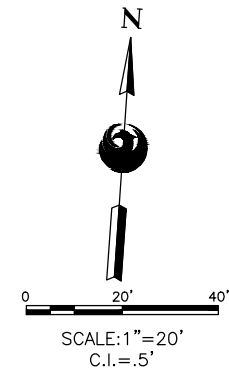
- 1 CONSTRUCT NEW AC TAXIWAY PAVEMENT, SEE TYPICAL SECTION SHEET CS-301
- 2 HAUL AND PLACE 4" DEPTH AGGREGATE SLOPE PROTECTION (SP-38)
- 3 CONSTRUCT NEW AIRFIELD CONCRETE CATCH BASIN (TRIPLE GRATE) PER COP STD DTL P1570
- 4 INSTALL NEW 24" RGRCP (CLASS V) PER D-701
- 5 ADJUST EXISTING STRUCTURE TO GRADE
- 6 CONSTRUCT NEW STORM DRAIN MANHOLE PER COP STD DTL P1520 AND MAG STD DTL 522

REFERENCE NOTES

1. SEE SHEETS CD-103 THROUGH CD-114 FOR DEMOLITION PLAN
2. SEE SHEET CS-301 FOR TYPICAL SECTIONS AND PAVEMENT STRUCTURAL SECTIONS
3. SEE SHEETS CS-104 THROUGH CS-114 FOR THE GEOMETRIC LAYOUT PLAN FOR TAXIWAY CONNECTOR GEOMETRY
4. SEE SHEETS CX-104 THROUGH CX-114 THE PAVEMENT STAKING PLAN
5. ADD 1400 TO ALL SPOT ELEVATIONS SHOWN IN PLAN VIEW
6. STATIONING IS BASED ON TWY B CONSTRUCTION ϵ UNLESS OTHERWISE NOTED
7. SEE ELECTRICAL SHEETS FOR ELECTRICAL WORK IN THIS AREA
8. PROVIDE 1.5" DROP FROM PAVEMENT ELEVATION PER TYPICAL SECTION, SHEET CS-301
9. EXISTING STRUCTURES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED



KEY MAP



TRAGE CONSULTING
2071 E. Camelback Rd. Suite 31 Phoenix, AZ 85016

PRIME CONSULTANT
 SUB CONSULTANT

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NO	REVISIONS / SUBMISSIONS	DATE

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 CITY OF PHOENIX AVIATION DEPARTMENT
**DEER VALLEY AIRPORT
 RELOCATE TAXIWAY B AND
 CONSTRUCT CONNECTORS
 B6 AND B9 - GMP 1**
 AV31000092 FAA

Designed by: B. SALINE	Drawn by: T. ROTH
Checked by: C. JHAVERI	Date: 04/2023
Dwg. scale: AS SHOWN	

AIP NO.:3-04-0028-045-2023

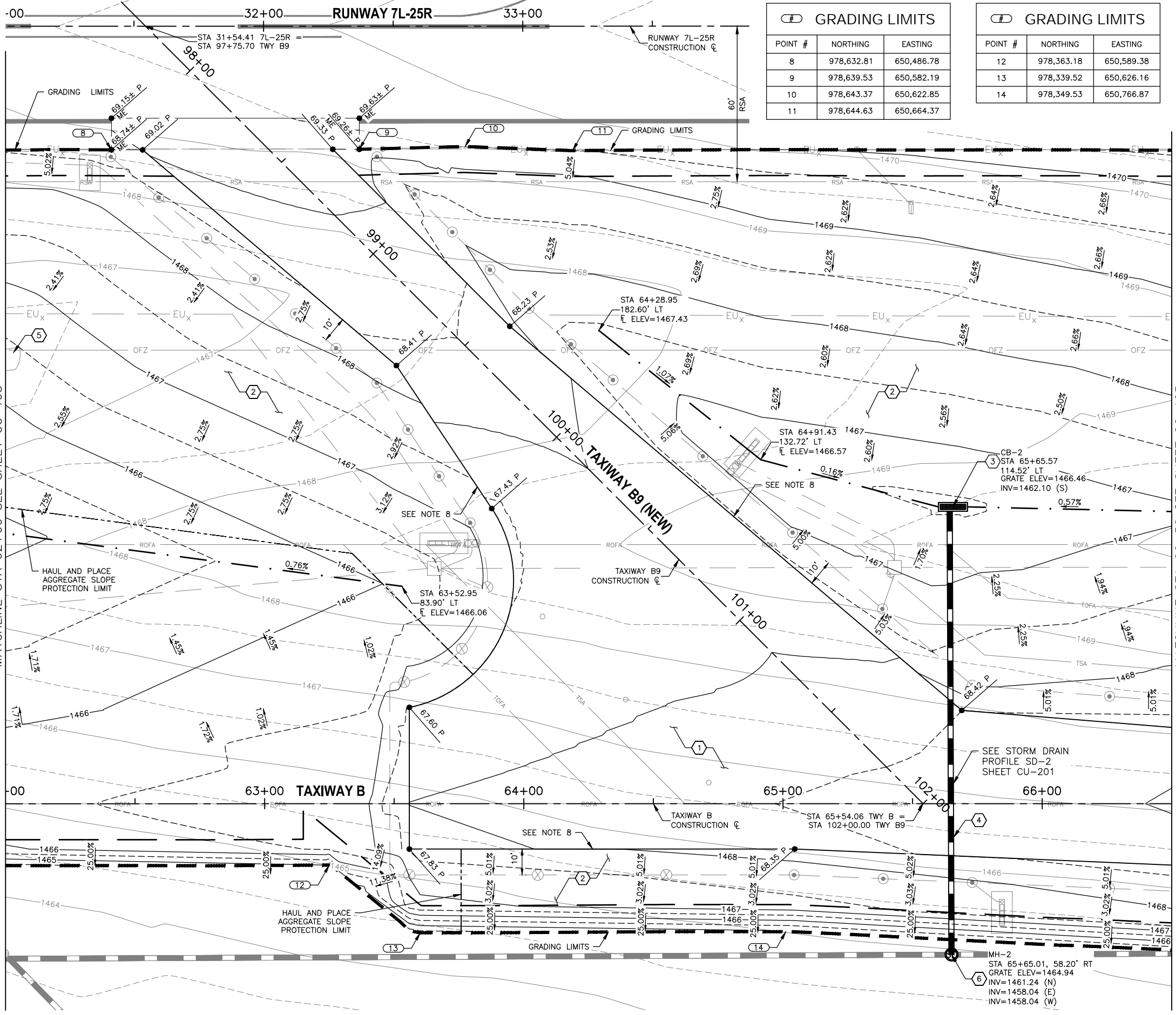
SHEET OVERVIEW TITLE

GRADING & DRAINAGE PLAN

SHEET REFERENCE NUMBER:
CG-103

SHEET 31 OF 107

N:\2019\190901 - DVT_TWY_B_Rebocation_Dwg_GMP1\AV31000092-1-CG-103-GMP1.dwg - Apr_07_2023_10:55am



GRADING LIMITS

POINT #	NORTHING	EASTING
8	978,632.81	650,486.78
9	978,639.53	650,582.19
10	978,643.37	650,622.85
11	978,644.63	650,664.37

GRADING LIMITS

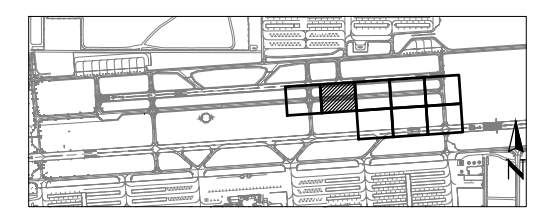
POINT #	NORTHING	EASTING
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13	978,339.52	650,626.16
14	978,349.53	650,766.87

CONSTRUCTION NOTES

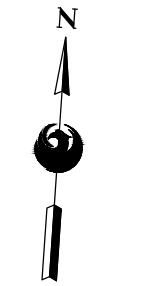
- CONSTRUCT NEW AC TAXIWAY PAVEMENT, SEE TYPICAL SECTION SHEET CS-301
- HAUL AND PLACE 4" DEPTH AGGREGATE SLOPE PROTECTION (SP-38)
- CONSTRUCT NEW AIRFIELD CONCRETE CATCH BASIN (TRIPLE GRATE) PER COP STD DTL P1570
- INSTALL NEW 24" RGRCP (CLASS V) PER D-701
- ADJUST EXISTING STRUCTURE TO GRADE
- CONSTRUCT NEW STORM DRAIN MANHOLE PER COP STD DTL P1520 AND MAG STD DTL 522

REFERENCE NOTES

- SEE SHEETS CD-103 THROUGH CD-114 FOR DEMOLITION PLAN
- SEE SHEET CS-301 FOR TYPICAL SECTIONS AND PAVEMENT STRUCTURAL SECTIONS
- SEE SHEETS CS-104 THROUGH CS-114 FOR THE GEOMETRIC LAYOUT PLAN FOR TAXIWAY CONNECTOR GEOMETRY
- SEE SHEETS CX-104 THROUGH CX-114 THE PAVEMENT STAKING PLAN
- ADD 1400 TO ALL SPOT ELEVATIONS SHOWN IN PLAN VIEW
- STATIONING IS BASED ON TWY B CONSTRUCTION ϵ UNLESS OTHERWISE NOTED
- SEE ELECTRICAL SHEETS FOR ELECTRICAL WORK IN THIS AREA
- PROVIDE 1.5" DROP FROM PAVEMENT ELEVATION PER TYPICAL SECTION, SHEET CS-301
- EXISTING STRUCTURES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED



KEY MAP



SCALE: 1" = 20'
C.I. = 5'

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PRIME CONSULTANT

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CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
RELOCATE TAXIWAY BAND
CONSTRUCT CONNECTORS
B6 AND B9 - GMP 1
AV/1000092 FAA

DESIGNED BY: B. SALINE
DRAWN BY: T. ROTH
CHECKED BY: C. JHAVERI
DATE: 04/2023
DWG SCALE: AS SHOWN

SHEET OVERVIEW TITLE: **GRADING & DRAINAGE PLAN**

SHEET REFERENCE NUMBER: **CG-104**

SHEET 32 OF 107

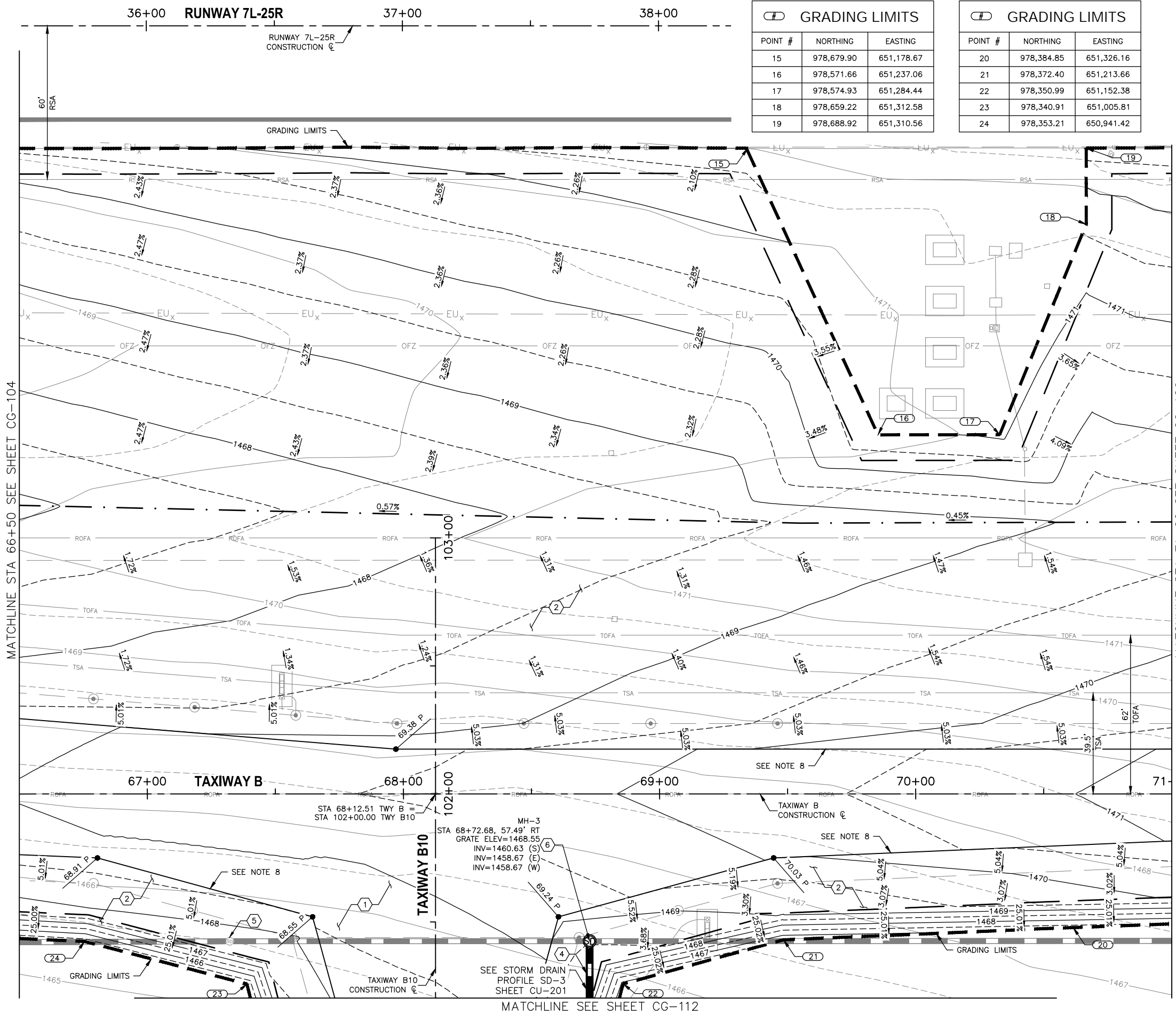
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NO	REVISIONS / SUBMISSIONS	DATE

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N:\2019\190901 - DVT TWY B Rehabilitation\Drawings\GP1 - CG-105-GMP1.dwg - Apr 07 2023 3:31pm



GRADING LIMITS		
POINT #	NORTHING	EASTING
15	978,679.90	651,178.67
16	978,571.66	651,237.06
17	978,574.93	651,284.44
18	978,659.22	651,312.58
19	978,688.92	651,310.56

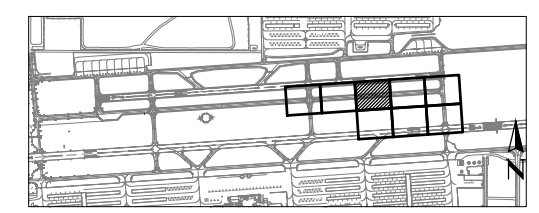
GRADING LIMITS		
POINT #	NORTHING	EASTING
20	978,384.85	651,326.16
21	978,372.40	651,213.66
22	978,350.99	651,152.38
23	978,340.91	651,005.81
24	978,353.21	650,941.42

CONSTRUCTION NOTES

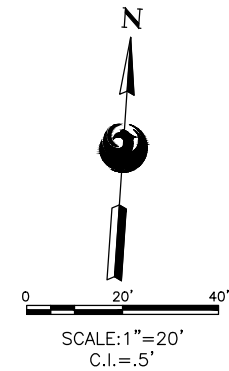
- 1 CONSTRUCT NEW AC TAXIWAY PAVEMENT, SEE TYPICAL SECTION SHEET CS-301
- 2 HAUL AND PLACE 4" DEPTH AGGREGATE SLOPE PROTECTION (SP-38)
- 4 INSTALL NEW 24" RGRCP (CLASS V) PER D-701
- 5 ADJUST EXISTING STRUCTURE TO GRADE
- 6 CONSTRUCT NEW STORM DRAIN MANHOLE PER COP STD DTL P1520 AND MAG STD DTL 522

REFERENCE NOTES

1. SEE SHEETS CD-103 THROUGH CD-114 FOR DEMOLITION PLAN
2. SEE SHEET CS-301 FOR TYPICAL SECTIONS AND PAVEMENT STRUCTURAL SECTIONS
3. SEE SHEETS CS-104 THROUGH CS-114 FOR THE GEOMETRIC LAYOUT PLAN FOR TAXIWAY CONNECTOR GEOMETRY
4. SEE SHEETS CX-104 THROUGH CX-114 THE PAVEMENT STAKING PLAN
5. ADD 1400 TO ALL SPOT ELEVATIONS SHOWN IN PLAN VIEW
6. STATIONING IS BASED ON TWY B CONSTRUCTION CL UNLESS OTHERWISE NOTED
7. SEE ELECTRICAL SHEETS FOR ELECTRICAL WORK IN THIS AREA
8. PROVIDE 1.5" DROP FROM PAVEMENT ELEVATION PER TYPICAL SECTION, SHEET CS-301
9. EXISTING STRUCTURES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED



KEY MAP



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PRIME CONSULTANT

TRAGE CONSULTING
SUB CONSULTANT

90%
SUBMITTAL
PRELIMINARY
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CONSTRUCTION

NO	REVISIONS / SUBMISSIONS	DATE

PHX DOT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
RELOCATE TAXIWAY BAND
CONSTRUCT CONNECTORS
B6 AND B9 - GMP 1
AV31000092 FAA

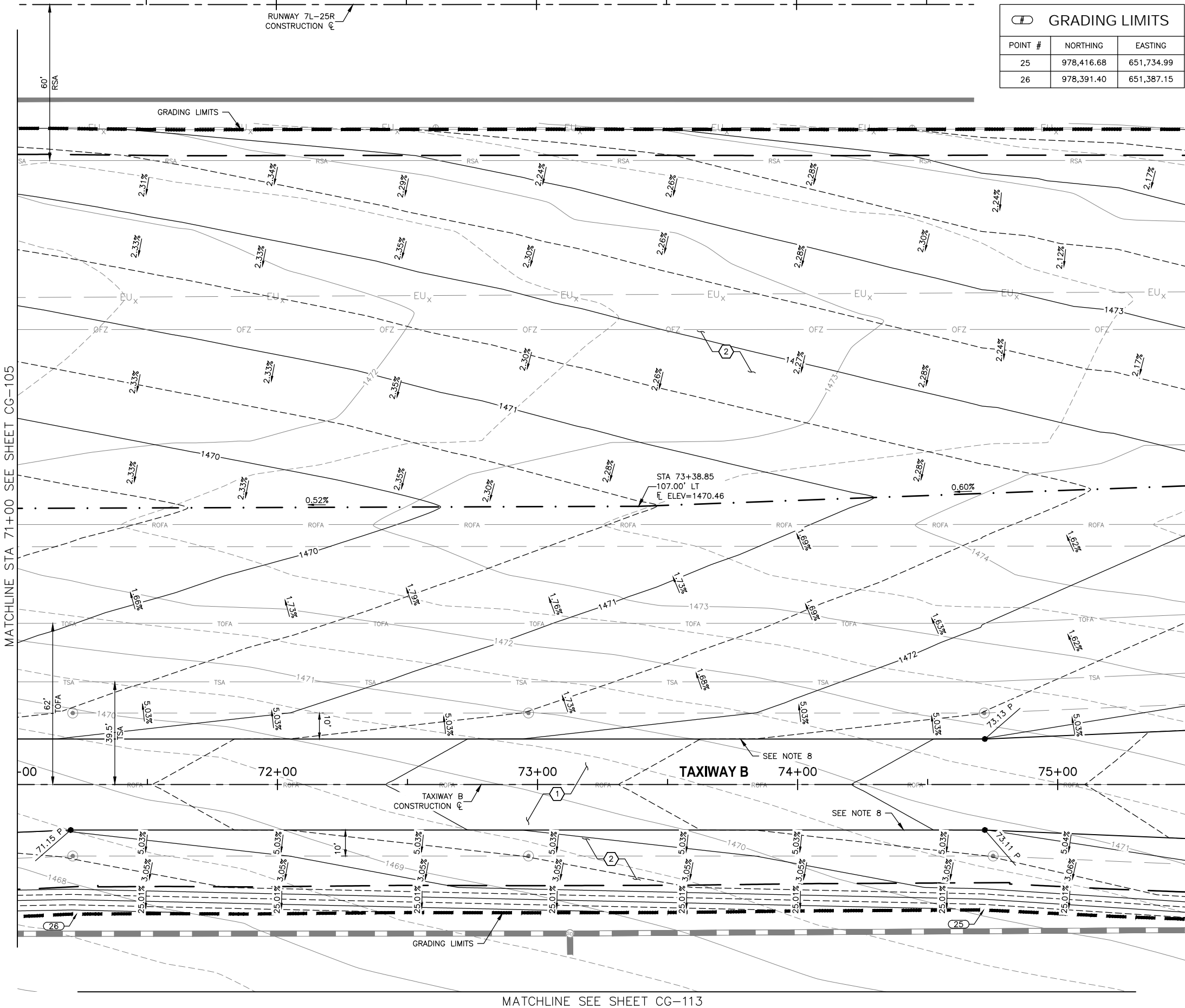
Designed by: B. SALINE
Drawn by: T. ROTH
Checked by: C. JHAVERI
Date: 04/2023
Dwg scale: AS SHOWN

SHEET OVERVIEW TITLE
GRADING & DRAINAGE PLAN
SHEET REFERENCE NUMBER:
CG-105
SHEET 33 OF 107

-00 41+00 RUNWAY 7L-25R 42+00 43+00

RUNWAY 7L-25R
CONSTRUCTION CL

GRADING LIMITS		
POINT #	NORTHING	EASTING
25	978,416.68	651,734.99
26	978,391.40	651,387.15



CONSTRUCTION NOTES

- CONSTRUCT NEW AC TAXIWAY PAVEMENT, SEE TYPICAL SECTION SHEET CS-301
- HAUL AND PLACE 4" DEPTH AGGREGATE SLOPE PROTECTION (SP-38)

PRIME CONSULTANT
TRAGE CONSULTING
10711 Johnson St., Suite 11 Phoenix, AZ 85024

SUB CONSULTANT

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PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-2-28, THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF CONTRACTOR'S CONTRACT WITH THE CITY OF PHOENIX.

NO	REVISIONS / SUBMISSIONS	DATE

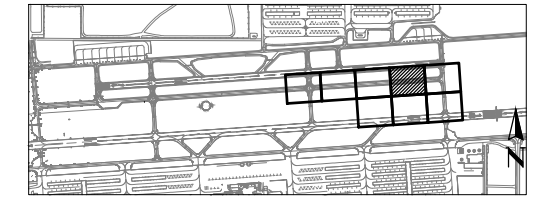
REFERENCE NOTES

- SEE SHEETS CD-103 THROUGH CD-114 FOR DEMOLITION PLAN
- SEE SHEET CS-301 FOR TYPICAL SECTIONS AND PAVEMENT STRUCTURAL SECTIONS
- SEE SHEETS CS-104 THROUGH CS-114 FOR THE GEOMETRIC LAYOUT PLAN FOR TAXIWAY CONNECTOR GEOMETRY
- SEE SHEETS CX-104 THROUGH CX-114 THE PAVEMENT STAKING PLAN
- ADD 1400 TO ALL SPOT ELEVATIONS SHOWN IN PLAN VIEW
- STATIONING IS BASED ON TWY B CONSTRUCTION CL UNLESS OTHERWISE NOTED
- SEE ELECTRICAL SHEETS FOR ELECTRICAL WORK IN THIS AREA
- PROVIDE 1.5" DROP FROM PAVEMENT ELEVATION PER TYPICAL SECTION, SHEET CS-301
- EXISTING STRUCTURES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED

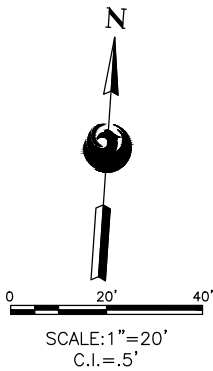
PHX DOT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
RELOCATE TAXIWAY BAND
CONSTRUCT CONNECTORS
B6 AND B9 - GMP 1
AV31000092 FAA

Designed by: B. SALINE
Drawn by: T. ROTH
Checked by: C. JHAVERI
Date: 04/2023
Dwg scale: AS SHOWN

AIP NO.:3-04-0028-045-2023



KEY MAP



SHEET OVERVIEW TITLE

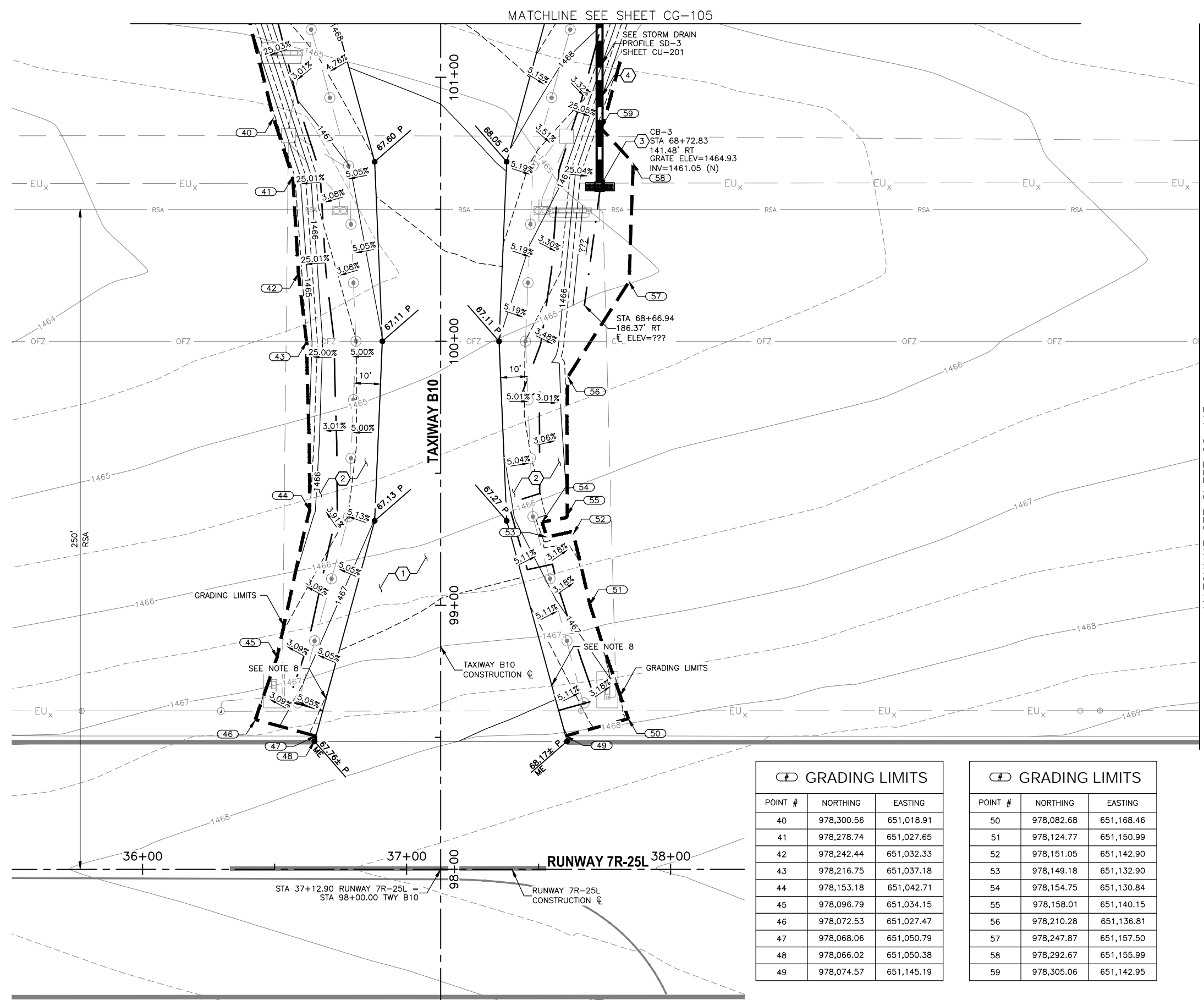
GRADING & DRAINAGE PLAN

SHEET REFERENCE NUMBER:
CG-106

SHEET 34 OF 107

N:\2019\190901 - DVT_TWY_B_Rebocation_Dwg_GMP1 - AV31000092-1-CG-106-GMP1.dwg - Apr 07 2023 3:33pm

N:\2019\190501 - DVT TWY B Relocation\Drawings\CG-112 - GMP1.dwg - Apr 07 2023 3:38pm



MATCHLINE SEE SHEET CG-105

MATCHLINE SEE SHEET CG-113

CONSTRUCTION NOTES

- ① CONSTRUCT NEW AC TAXIWAY PAVEMENT, SEE TYPICAL SECTION SHEET CS-301
- ② HAUL AND PLACE 4" DEPTH AGGREGATE SLOPE PROTECTION (SP-38)
- ③ CONSTRUCT NEW AIRFIELD CONCRETE CATCH BASIN (TRIPLE GRATE) PER COP STD DTL P1570
- ④ INSTALL NEW 24" RGRCP (CLASS V) PER D-701

TRAGE
CONSULTING
PRIME CONSULTANT
SUB CONSULTANT

90%
SUBMITTAL
PRELIMINARY
NOT FOR
CONSTRUCTION

REFERENCE NOTES

- 1. SEE SHEETS CD-103 THROUGH CD-114 FOR DEMOLITION PLAN
- 2. SEE SHEET CS-301 FOR TYPICAL SECTIONS AND PAVEMENT STRUCTURAL SECTIONS
- 3. SEE SHEETS CS-104 THROUGH CS-114 FOR THE GEOMETRIC LAYOUT PLAN FOR TAXIWAY CONNECTOR GEOMETRY
- 4. SEE SHEETS CX-104 THROUGH CX-114 THE PAVEMENT STAKING PLAN
- 5. ADD 1400 TO ALL SPOT ELEVATIONS SHOWN IN PLAN VIEW
- 6. STATIONING IS BASED ON TWY B CONSTRUCTION & UNLESS OTHERWISE NOTED
- 7. SEE ELECTRICAL SHEETS FOR ELECTRICAL WORK IN THIS AREA
- 8. PROVIDE 1.5" DROP FROM PAVEMENT ELEVATION PER TYPICAL SECTION, SHEET CS-301
- 9. EXISTING STRUCTURES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED

PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-28, THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF CONTRACTOR'S CONTRACT WITH THE CITY OF PHOENIX.

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
RELOCATE TAXIWAY BAND
CONSTRUCT CONNECTORS
B6 AND B9 - GMP 1
AV31000092 FAA

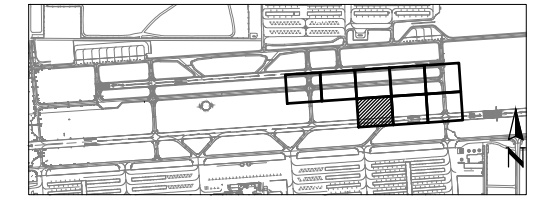
Designed by: B. SALINE
Drawn by: T. ROTH
Checked by: C. JHAVERI
Date: 04/2023
Dwg scale: AS SHOWN
AIP NO.:3-04-0028-045-2023

GRADING LIMITS

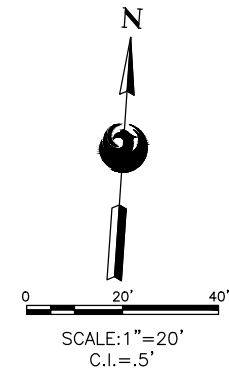
POINT #	NORTHING	EASTING
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41	978,278.74	651,027.65
42	978,242.44	651,032.33
43	978,216.75	651,037.18
44	978,153.18	651,042.71
45	978,096.79	651,034.15
46	978,072.53	651,027.47
47	978,068.06	651,050.79
48	978,066.02	651,050.38
49	978,074.57	651,145.19

GRADING LIMITS

POINT #	NORTHING	EASTING
50	978,082.68	651,168.46
51	978,124.77	651,150.99
52	978,151.05	651,142.90
53	978,149.18	651,132.90
54	978,154.75	651,130.84
55	978,158.01	651,140.15
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57	978,247.87	651,157.50
58	978,292.67	651,155.99
59	978,305.06	651,142.95



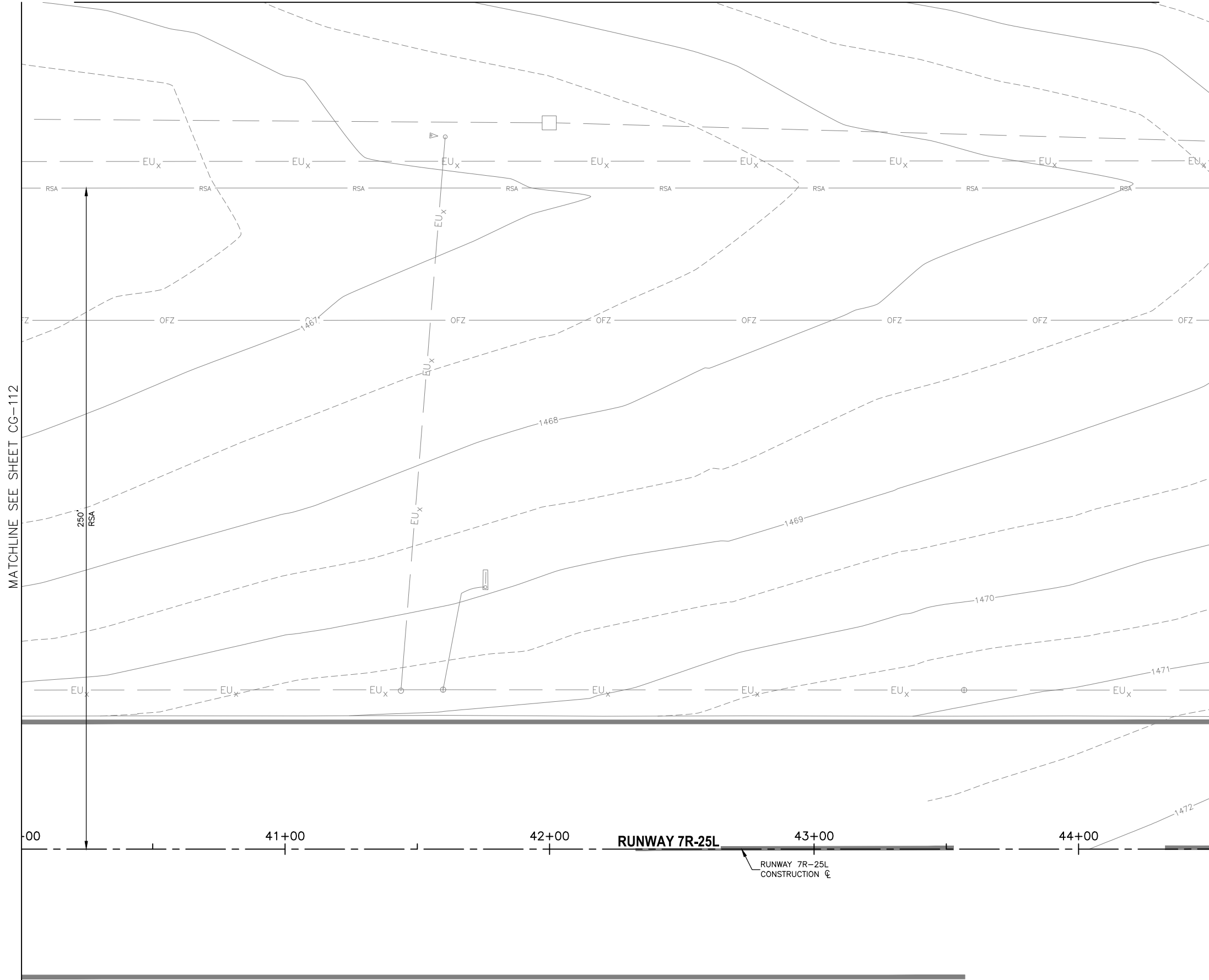
KEY MAP



SHEET OVERVIEW TITLE
GRADING & DRAINAGE PLAN
SHEET REFERENCE NUMBER:
CG-112
SHEET 36 OF 107

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MATCHLINE SEE SHEET CG-106

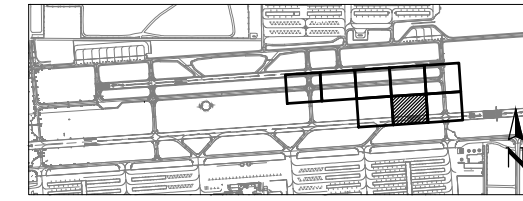


CONSTRUCTION NOTES

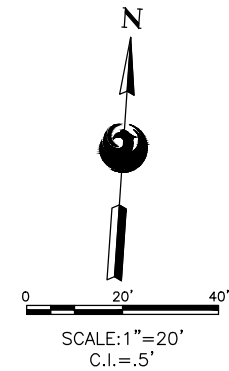
NO WORK THIS SHEET

REFERENCE NOTES

1. SEE SHEETS CD-103 THROUGH CD-114 FOR DEMOLITION PLAN
2. SEE SHEET CS-301 FOR TYPICAL SECTIONS AND PAVEMENT STRUCTURAL SECTIONS
3. SEE SHEETS CS-104 THROUGH CS-114 FOR THE GEOMETRIC LAYOUT PLAN FOR TAXIWAY CONNECTOR GEOMETRY
4. SEE SHEETS CX-104 THROUGH CX-114 THE PAVEMENT STAKING PLAN
5. ADD 1400 TO ALL SPOT ELEVATIONS SHOWN IN PLAN VIEW
6. STATIONING IS BASED ON TWY B CONSTRUCTION CL UNLESS OTHERWISE NOTED
7. SEE ELECTRICAL SHEETS FOR ELECTRICAL WORK IN THIS AREA
8. PROVIDE 1.5" DROP FROM PAVEMENT ELEVATION PER TYPICAL SECTION, SHEET CS-301
9. EXISTING STRUCTURES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED



KEY MAP



PRIME CONSULTANT
TRAGE CONSULTING
 10711 Johnson St, Suite 11 Phoenix, AZ 85024

SUB CONSULTANT

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 SUBMITTAL
 PRELIMINARY
 NOT FOR
 CONSTRUCTION

PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-28, THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF CONTRACTOR'S CONTRACT WITH THE CITY OF PHOENIX.

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
 CITY OF PHOENIX AVIATION DEPARTMENT
 DEER VALLEY AIRPORT
 RELOCATE TAXIWAY BAND
 CONSTRUCT CONNECTORS
 B6 AND B9 - GMP 1
 AV31000092 FAA

Designed by: B. SALINE
Drawn by: T. ROTH
Checked by: C. JHAVERI
Date: 04/2023
Dwg scale: AS SHOWN

AIP NO.:3-04-0028-045-2023

SHEET OVERVIEW TITLE

GRADING & DRAINAGE PLAN

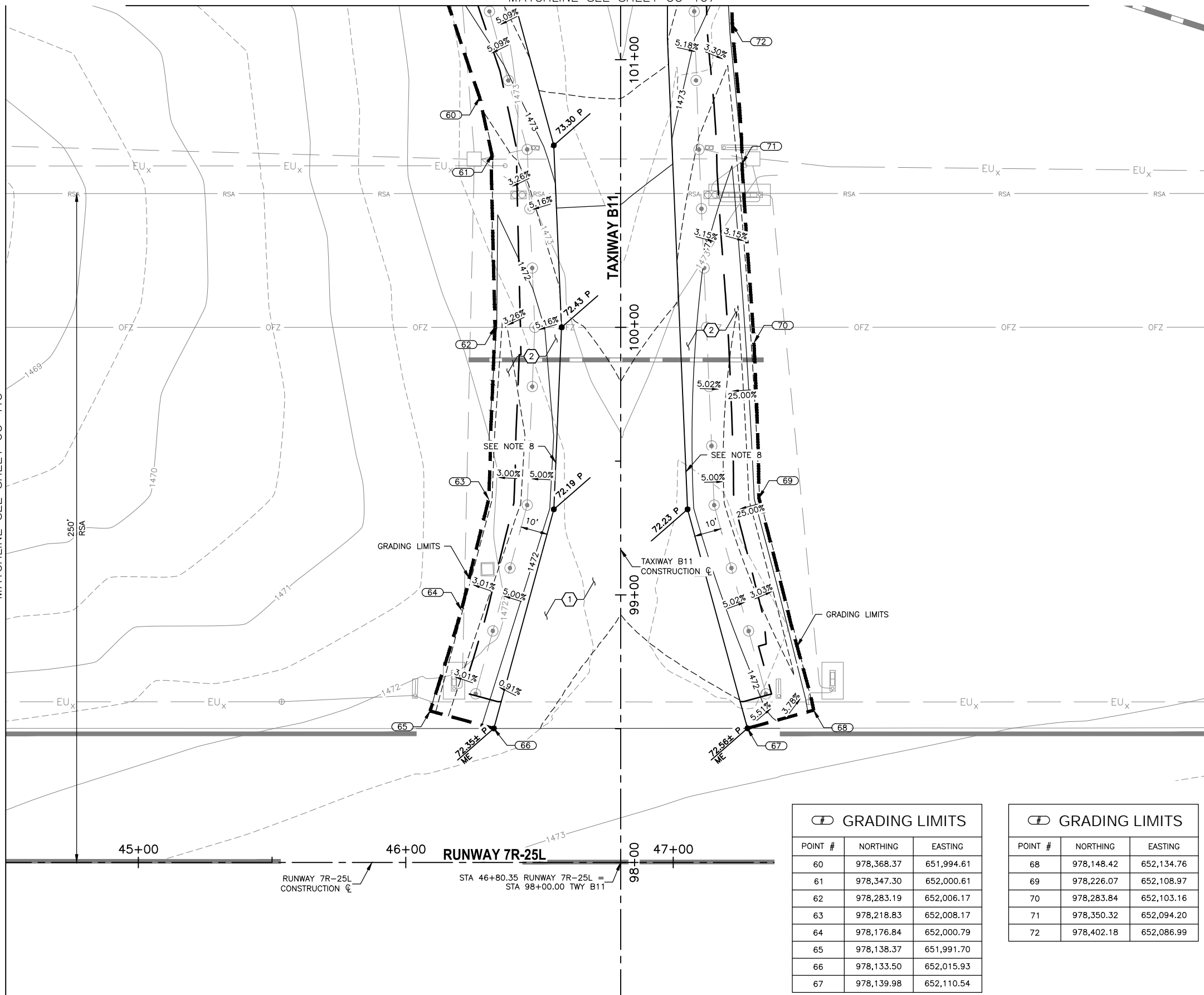
SHEET REFERENCE NUMBER:
CG-113

SHEET 37 OF 107

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MATCHLINE SEE SHEET CG-113

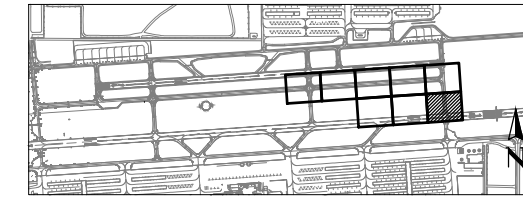
MATCHLINE SEE SHEET CG-107



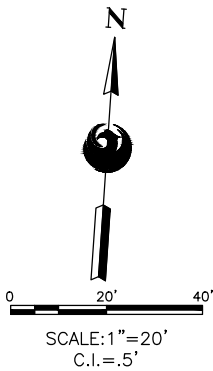
45+00 46+00 47+00
 RUNWAY 7R-25L
 STA 46+80.35 RUNWAY 7R-25L =
 STA 98+00.00 TWY B11

GRADING LIMITS		
POINT #	NORTHING	EASTING
60	978,368.37	651,994.61
61	978,347.30	652,000.61
62	978,283.19	652,006.17
63	978,218.83	652,008.17
64	978,176.84	652,000.79
65	978,138.37	651,991.70
66	978,133.50	652,015.93
67	978,139.98	652,110.54

GRADING LIMITS		
POINT #	NORTHING	EASTING
68	978,148.42	652,134.76
69	978,226.07	652,108.97
70	978,283.84	652,103.16
71	978,350.32	652,094.20
72	978,402.18	652,086.99



KEY MAP



CONSTRUCTION NOTES

- 1 CONSTRUCT NEW AC TAXIWAY PAVEMENT, SEE TYPICAL SECTION SHEET CS-301
- 2 HAUL AND PLACE 4" DEPTH AGGREGATE SLOPE PROTECTION (SP-38)

REFERENCE NOTES

1. SEE SHEETS CD-103 THROUGH CD-114 FOR DEMOLITION PLAN
2. SEE SHEET CS-301 FOR TYPICAL SECTIONS AND PAVEMENT STRUCTURAL SECTIONS
3. SEE SHEETS CS-104 THROUGH CS-114 FOR THE GEOMETRIC LAYOUT PLAN FOR TAXIWAY CONNECTOR GEOMETRY
4. SEE SHEETS CX-104 THROUGH CX-114 THE PAVEMENT STAKING PLAN
5. ADD 1400 TO ALL SPOT ELEVATIONS SHOWN IN PLAN VIEW
6. STATIONING IS BASED ON TWY B CONSTRUCTION C UNLESS OTHERWISE NOTED
7. SEE ELECTRICAL SHEETS FOR ELECTRICAL WORK IN THIS AREA
8. PROVIDE 1.5" DROP FROM PAVEMENT ELEVATION PER TYPICAL SECTION, SHEET CS-301
9. EXISTING STRUCTURES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED

PRIME CONSULTANT
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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
 CITY OF PHOENIX AVIATION DEPARTMENT
 DEER VALLEY AIRPORT
 RELOCATE TAXIWAY BAND
 CONSTRUCT CONNECTORS
 B6 AND B9 - GMP 1
 AV31000992 FAA

Designed by: B. SALINE
 Drawn by: T. ROTH
 Checked by: C. JHAVERI
 Date: 04/2023
 Dwg scale: AS SHOWN

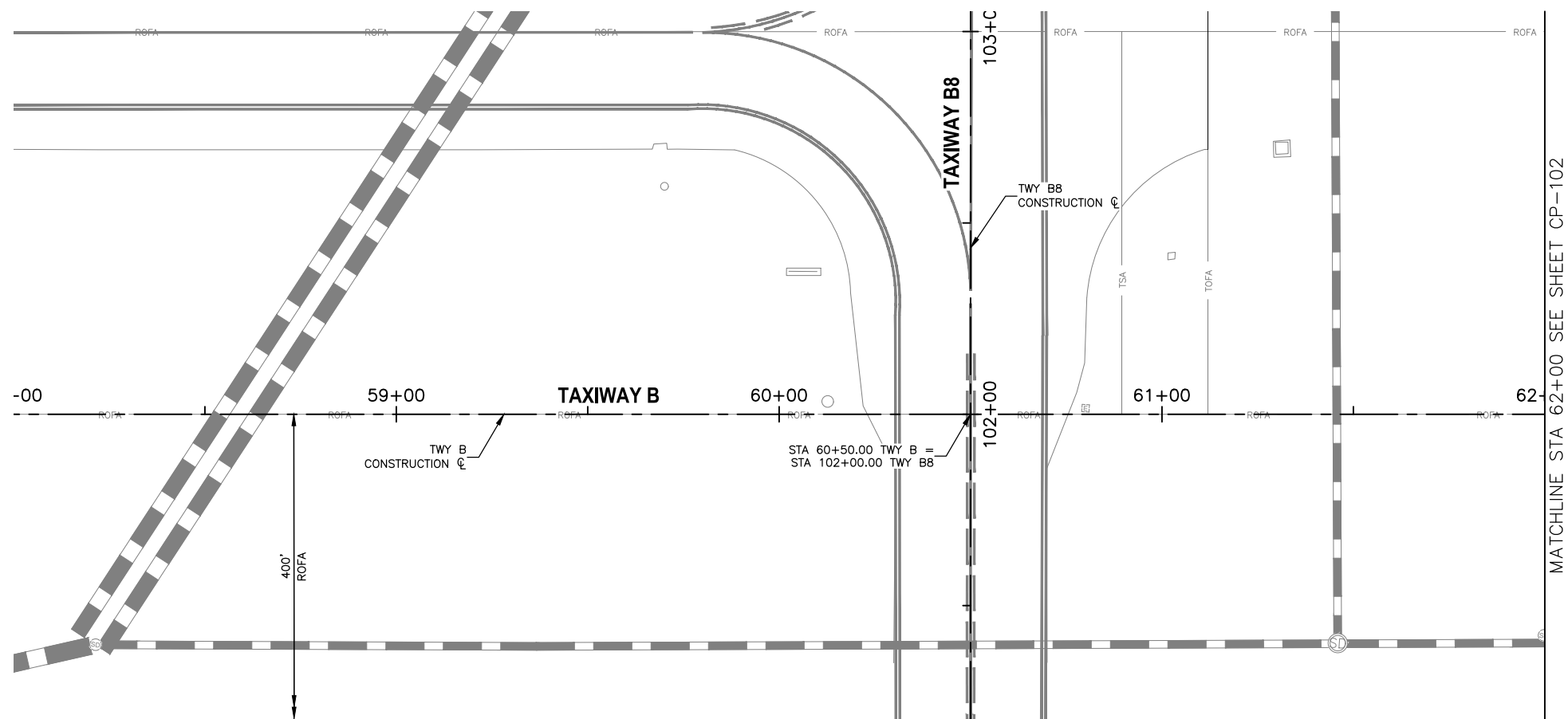
AIP NO.:3-04-0028-045-2023

SHEET OVERVIEW TITLE

GRADING & DRAINAGE PLAN

SHEET REFERENCE NUMBER:
CG-114

SHEET 38 OF 107



REFERENCE NOTES

- SEE SHEET CS-106 FOR GEOMETRIC LAYOUT PLAN
- SEE SHEET CG-106 FOR GRADING AND DRAINAGE PLAN

PRIME CONSULTANT
TRACER
 CONSULTING
10711 Jefferson St. Suite 11 Phoenix, AZ 85021

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 SUBMITTAL
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 CONSTRUCTION

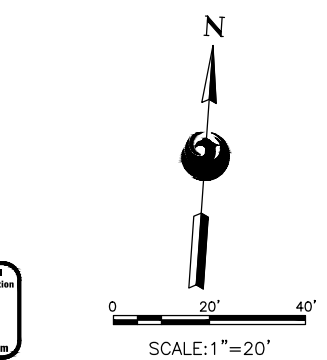
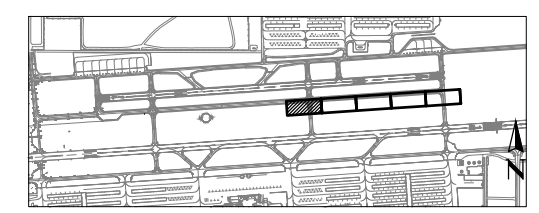
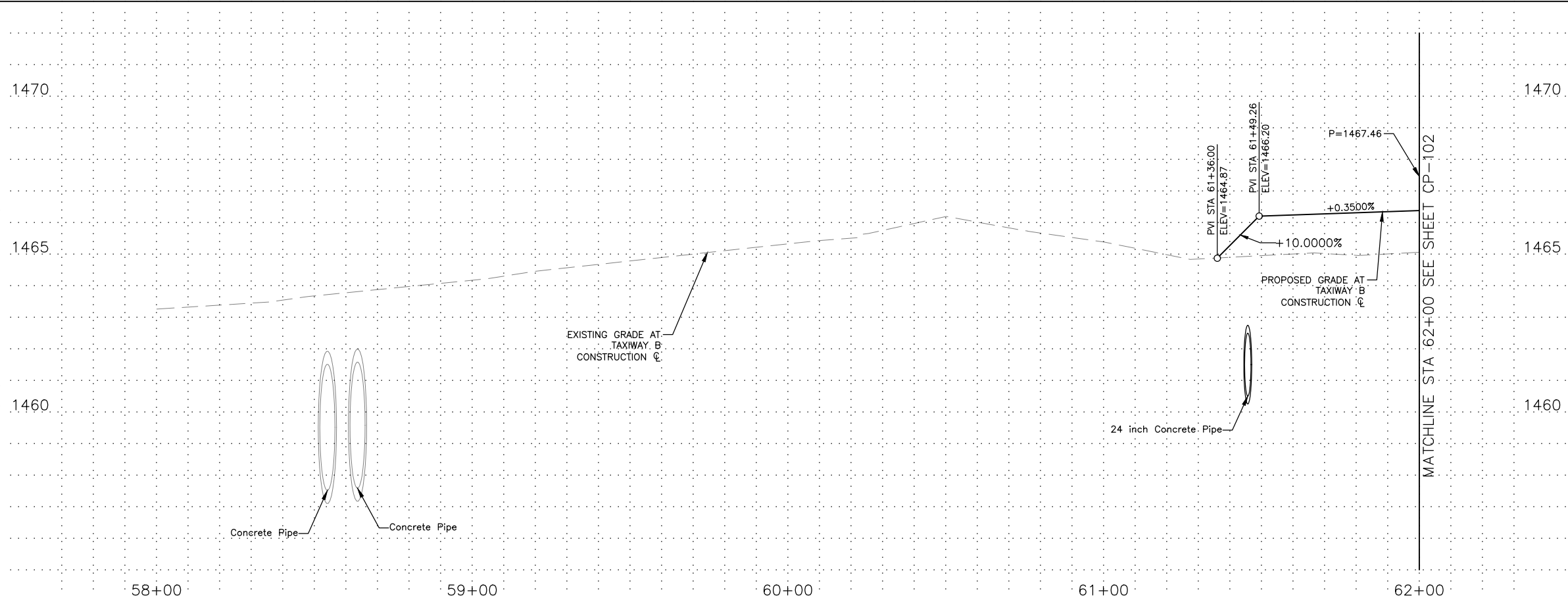
PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-28, THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF CONTRACTOR'S CONTRACT WITH THE CITY OF PHOENIX.

PHX DOT BYR
 CITY OF PHOENIX AVIATION DEPARTMENT
 DEER VALLEY AIRPORT
 RELOCATE TAXIWAY B AND
 CONSTRUCT CONNECTORS
 B6 AND B9 - GMP 1
 AV31000092 FAA

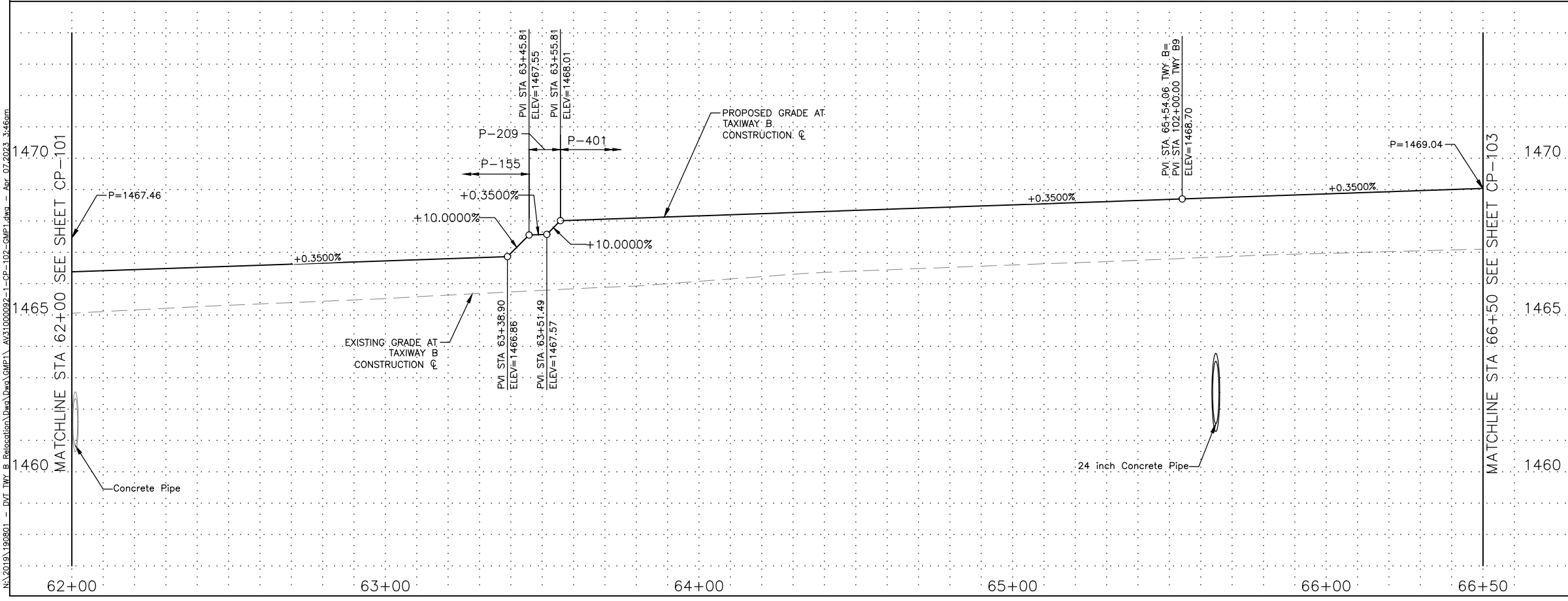
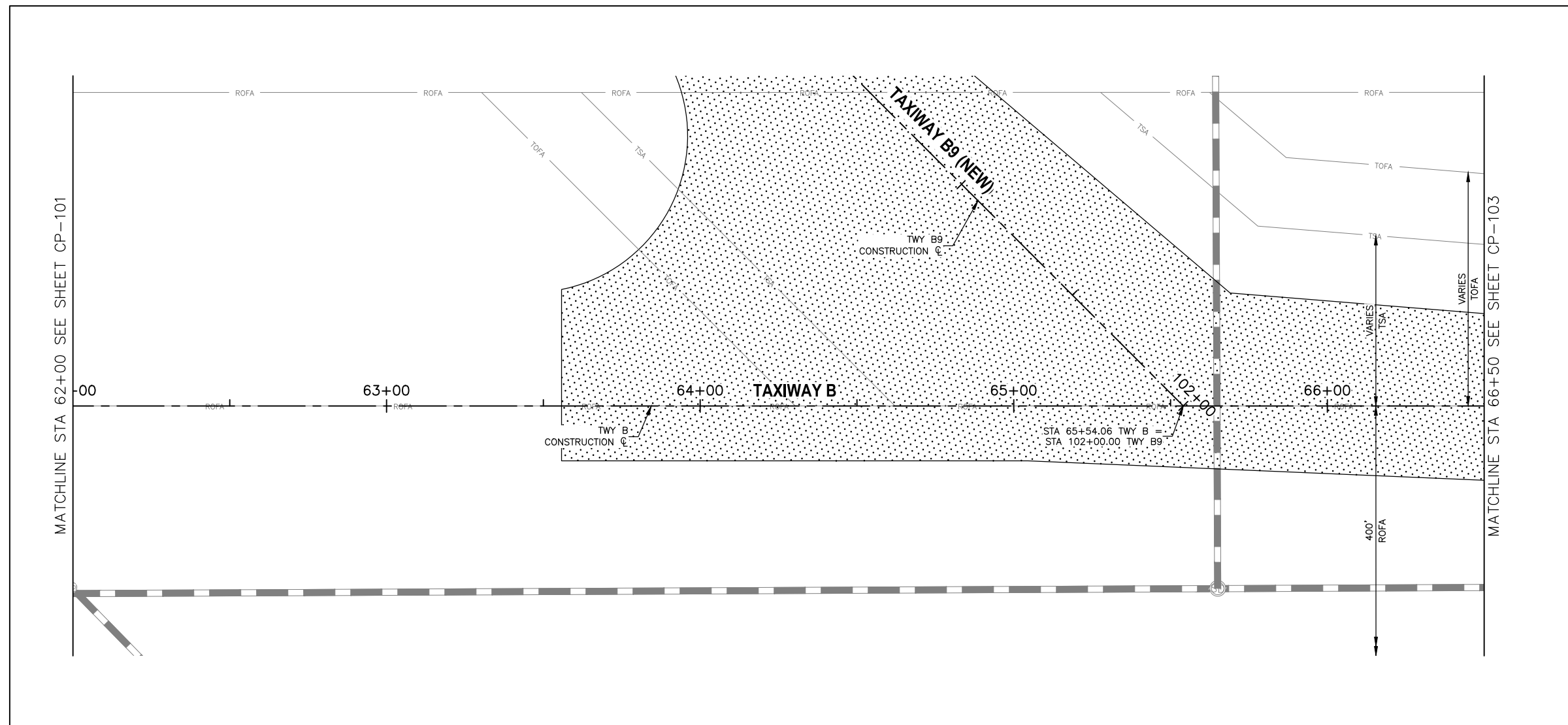
Designed by: B. SALINE
 Drawn by: T. ROTH
 Checked by: C. JHAVERI
 Date: 04/2023
 Dwg scale: AS SHOWN

SHEET OVERVIEW TITLE
**TAXIWAY B
 PLAN & PROFILE
 STA 58+00 TO STA 62+00**

SHEET REFERENCE NUMBER:
CP-101
 SHEET 39 OF 107



N:\2019\190501 - DVT TWY B Relocation\Draw\GMP1\AV31000092-1-CP-101-GMP1.dwg - Apr 07 2023 3:45pm



REFERENCE NOTES

- SEE SHEET CS-108 FOR GEOMETRIC LAYOUT PLAN
- SEE SHEET CG-108 FOR GRADING AND DRAINAGE PLAN

PRIME CONSULTANT
TRAGE CONSULTING
10711 Arrow St. Suite 11 Phoenix, AZ 85021

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CONSTRUCTION

PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-28, THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF CONTRACTOR'S CONTRACT WITH THE CITY OF PHOENIX.

NO	REVISIONS / SUBMISSIONS	DATE

DESIGNED BY: B. SALINE
DRAWN BY: T. ROTH
CHECKED BY: C. JHAVERI
DATE: 04/2023
DWG SCALE: AS SHOWN

PHX DOT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
RELOCATE TAXIWAY B AND
CONSTRUCT CONNECTORS
B6 AND B9 - GMP 1
AV31000092 FAA

SHEET OVERVIEW TITLE
**TAXIWAY B
PLAN & PROFILE
STA 62+00 TO STA 66+50**

SHEET REFERENCE NUMBER:
CP-102

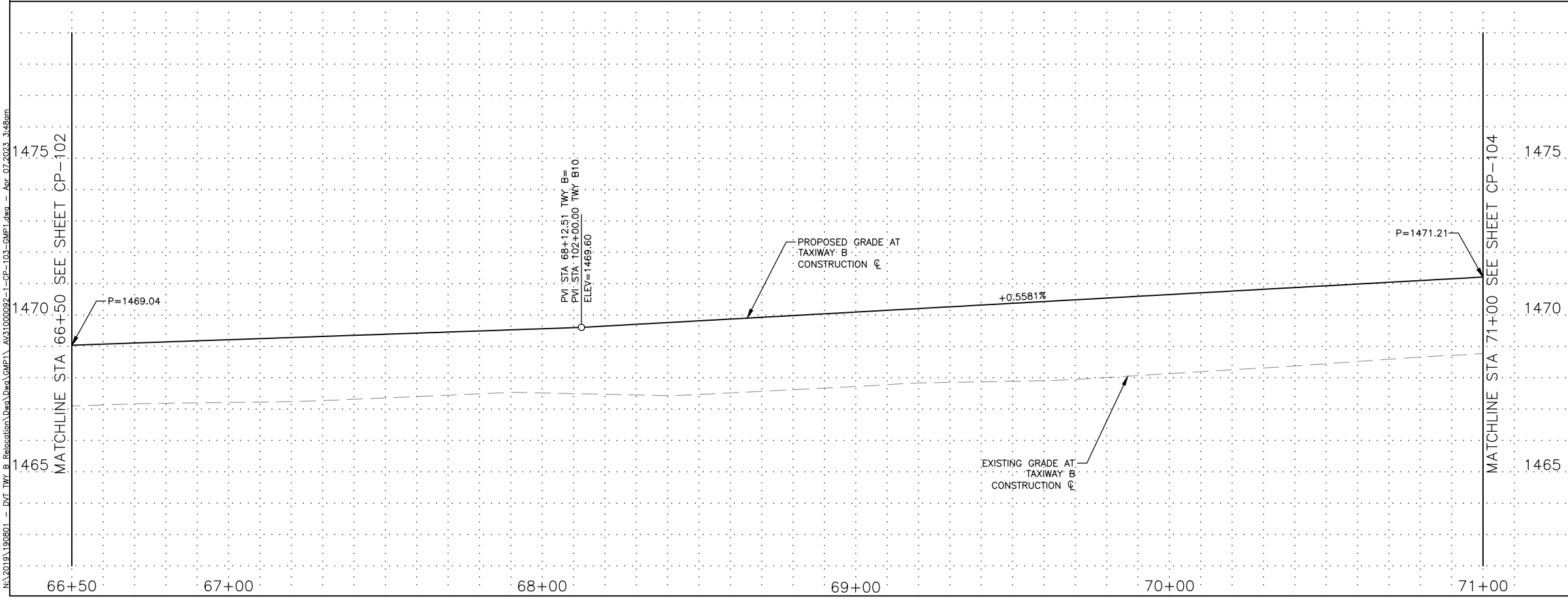
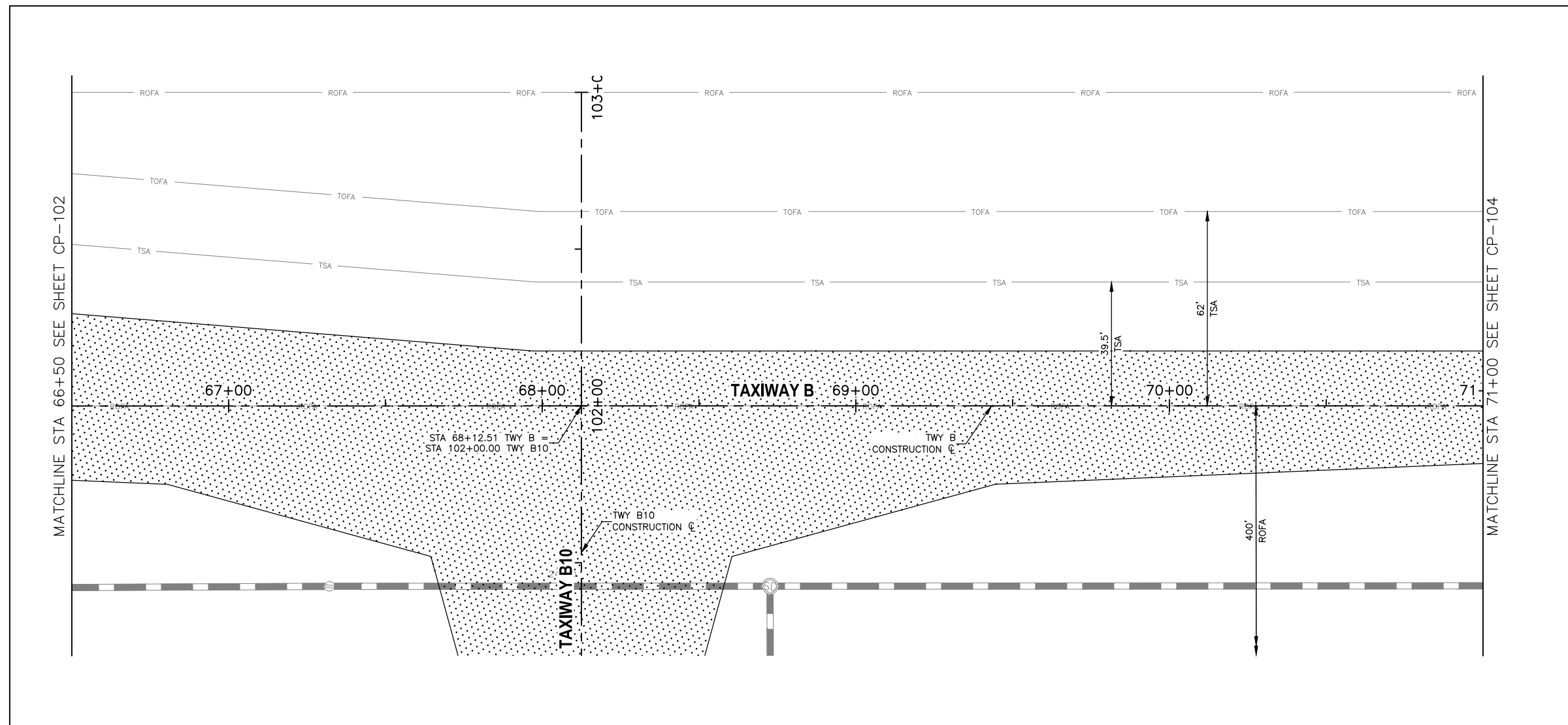
SHEET 40 OF 107

KEY MAP

SCALE: 1" = 20'

Contact Arizona 811 at least two full working days before you begin excavation

Call 811 or click Arizona811.com



REFERENCE NOTES

- SEE SHEET CS-107 FOR GEOMETRIC LAYOUT PLAN
- SEE SHEET CG-107 FOR GRADING AND DRAINAGE PLAN

KEY MAP

N

SCALE: 1" = 20'

Designed by: B. SALINE
 Drawn by: T. ROTH
 Checked by: C. JHAVERI
 Date: 04/2023
 Dwg scale: AS SHOWN

PHX DVT BYR
 CITY OF PHOENIX AVIATION DEPARTMENT
 DEER VALLEY AIRPORT
 RELOCATE TAXIWAY B AND
 CONSTRUCT CONNECTORS
 B6 AND B9 - GMP 1
 AV31000092 FAA

**TAXIWAY B
 PLAN & PROFILE
 STA 66+50 TO STA 71+00**

SHEET REFERENCE NUMBER:
CP-103

SHEET 41 OF 107

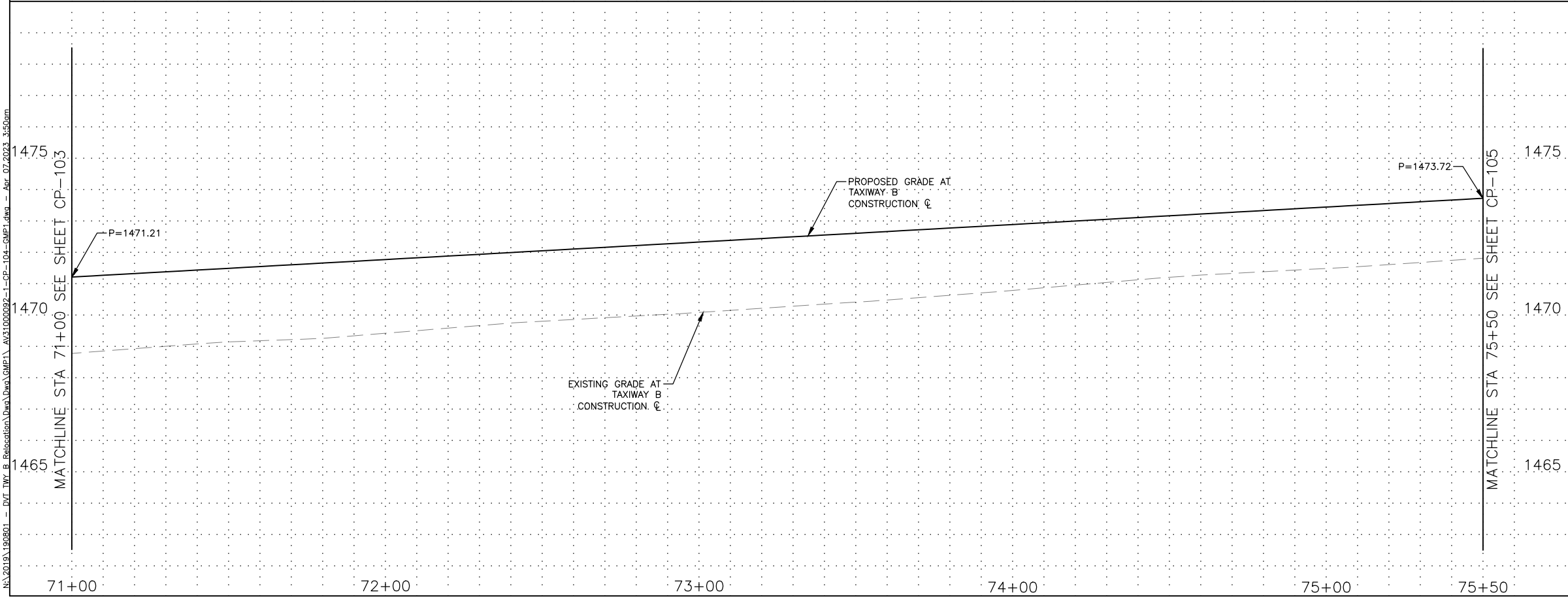
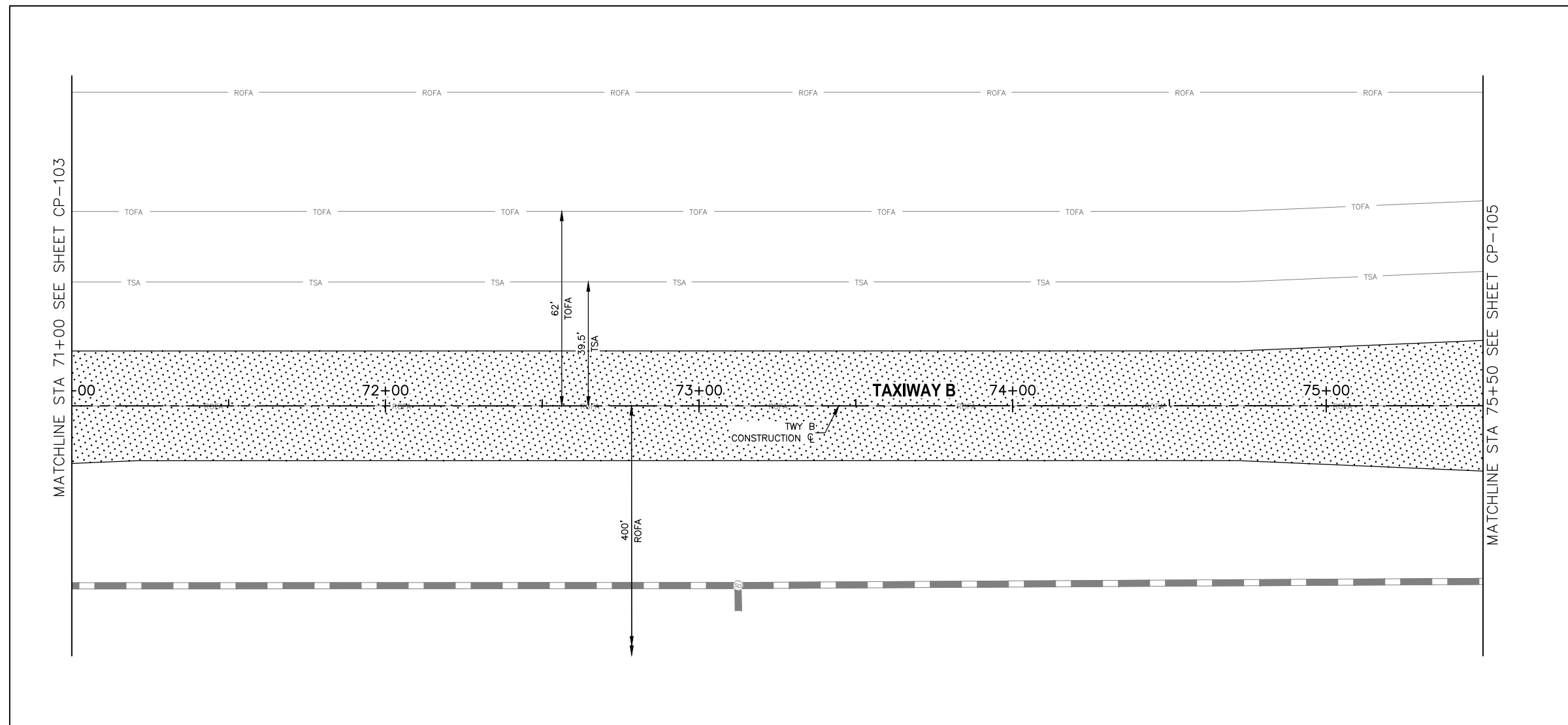
PRIME CONSULTANT
TRAGE CONSULTING
10711 Jefferson St. Suite 11 Phoenix, AZ 85020

SUBMITTAL NOT FOR CONSTRUCTION
90%

NO	REVISIONS / SUBMISSIONS	DATE

PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-28, THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF CONTRACTOR'S CONTRACT WITH THE CITY OF PHOENIX.

N:\2019\190901 - DVT TWY B Relocation\Draw\GMP1\AV31000092-1-CP-103-GMP1.dwg - Apr_07_2023_3:48pm



REFERENCE NOTES

- SEE SHEET CS-108 FOR GEOMETRIC LAYOUT PLAN
- SEE SHEET CG-108 FOR GRADING AND DRAINAGE PLAN

PRIME CONSULTANT
TRAGE CONSULTING
10711 Jefferson St. Suite 11 Phoenix, AZ 85021

SUB CONSULTANT

90%
 SUBMITTAL
 PRELIMINARY
 NOT FOR
 CONSTRUCTION

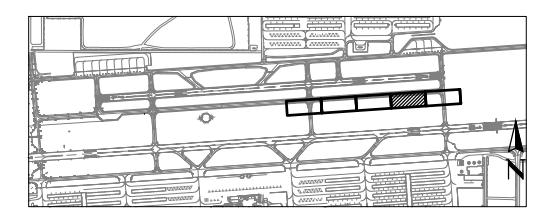
PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-28, THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF CONTRACTOR'S CONTRACT WITH THE CITY OF PHOENIX.

NO	REVISIONS / SUBMISSIONS	DATE

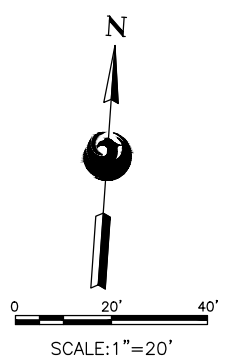
PHX DVT BYB
 CITY OF PHOENIX AVIATION DEPARTMENT
 DEER VALLEY AIRPORT
 RELOCATE TAXIWAY B AND
 CONSTRUCT CONNECTORS
 B6 AND B9 - GMP 1
 AV31000092 FAA

Designed by:	B. SALINE
Drawn by:	T. ROTH
Checked by:	C. JHAVERI
Date:	04/2023
Dwg scale:	AS SHOWN

AIP NO.:3-04-0028-045-2023



KEY MAP

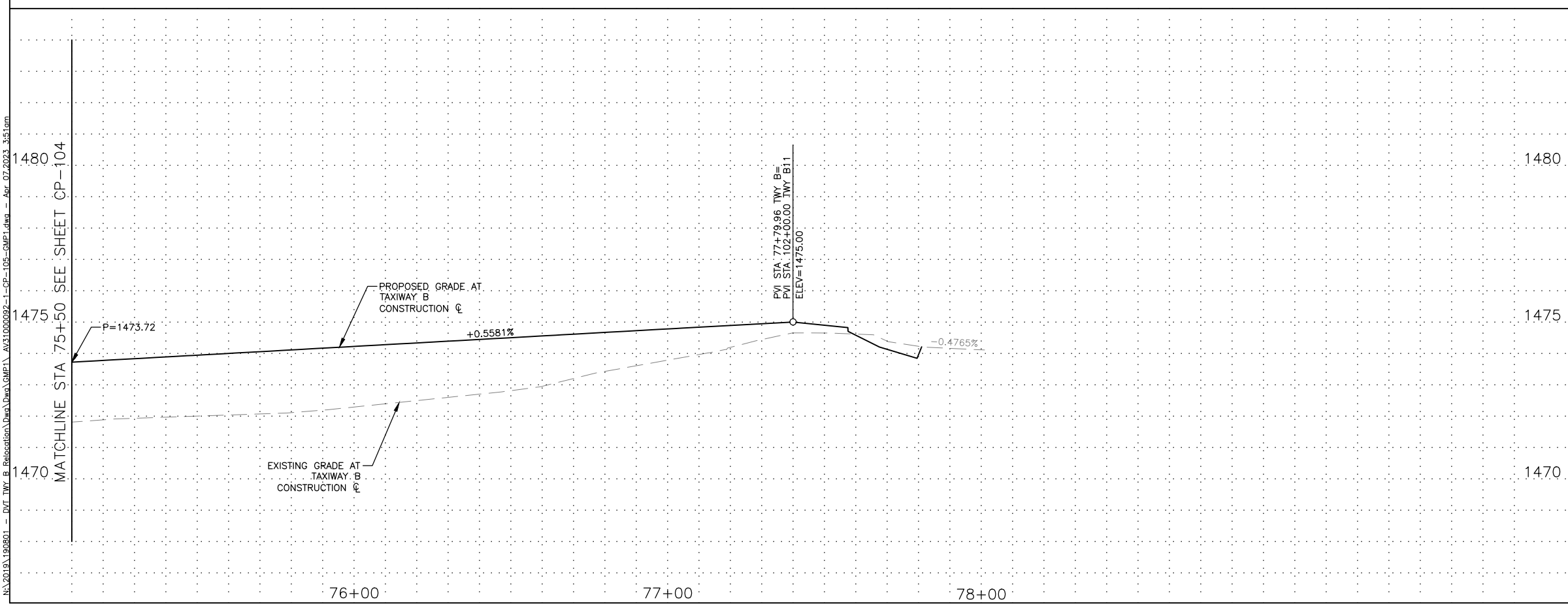
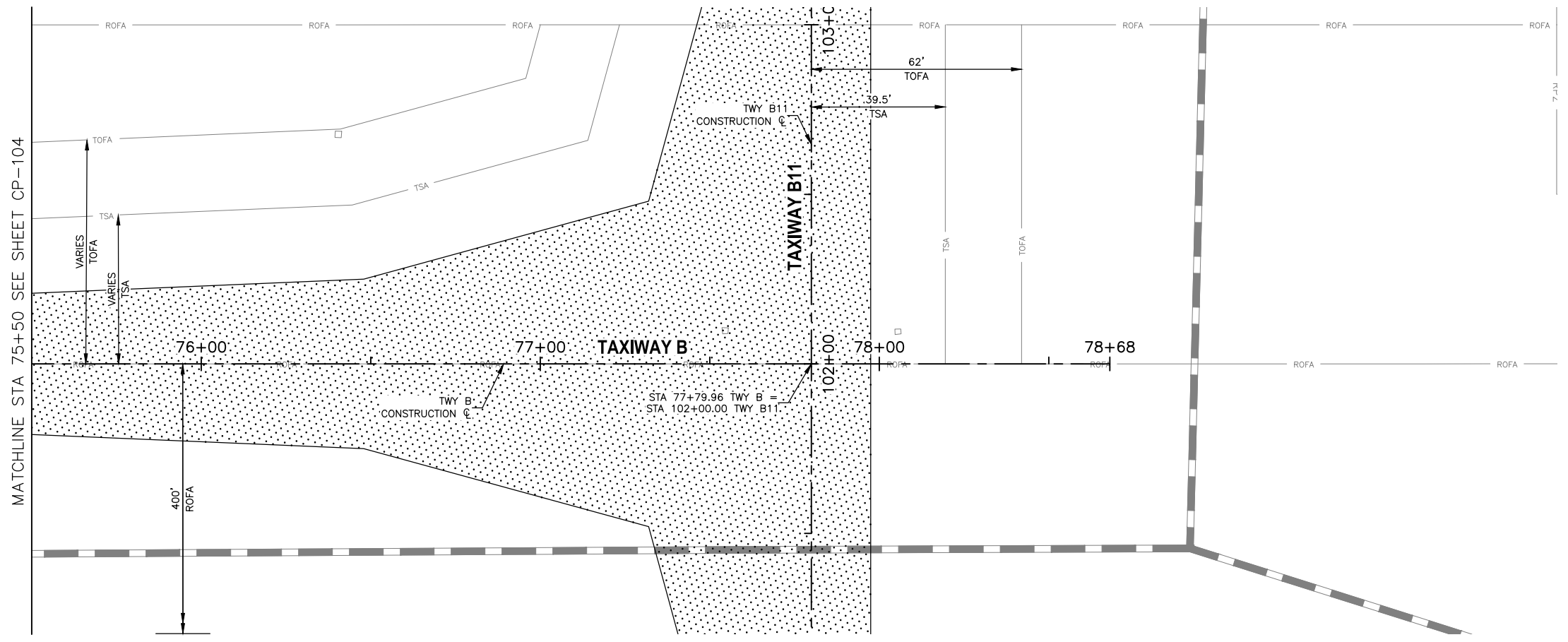


SHEET OVERVIEW TITLE
**TAXIWAY B
 PLAN & PROFILE
 STA 71+00 TO STA 75+50**

SHEET REFERENCE NUMBER:
CP-104
 SHEET 42 OF 107

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REFERENCE NOTES

- SEE SHEET CS-109 FOR GEOMETRIC LAYOUT PLAN
- SEE SHEET CG-109 FOR GRADING AND DRAINAGE PLAN

TRAGE
CONSULTING
10711 Johnson St. Suite 11 Phoenix, AZ 85021

PRIME CONSULTANT

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SUBMITTAL
PRELIMINARY
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CONSTRUCTION

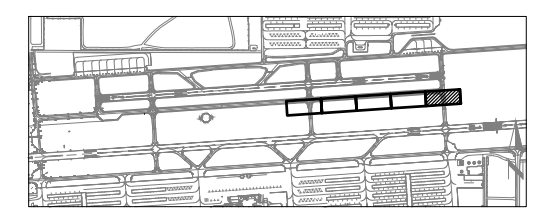
PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-28, THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF CONTRACTOR'S CONTRACT WITH THE CITY OF PHOENIX.

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
RELOCATE TAXIWAY B AND
CONSTRUCT CONNECTORS
B6 AND B9 - GMP 1
AV31000092 FAA

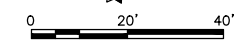
Designed by: B. SALINE
Drawn by: T. ROTH
Checked by: C. JHAVERI
Date: 04/2023
Dwg scale: AS SHOWN

SHEET OVERVIEW TITLE
**TAXIWAY B
PLAN & PROFILE
STA 75+50 TO STA 77+80**

SHEET REFERENCE NUMBER:
CP-105
SHEET 43 OF 107

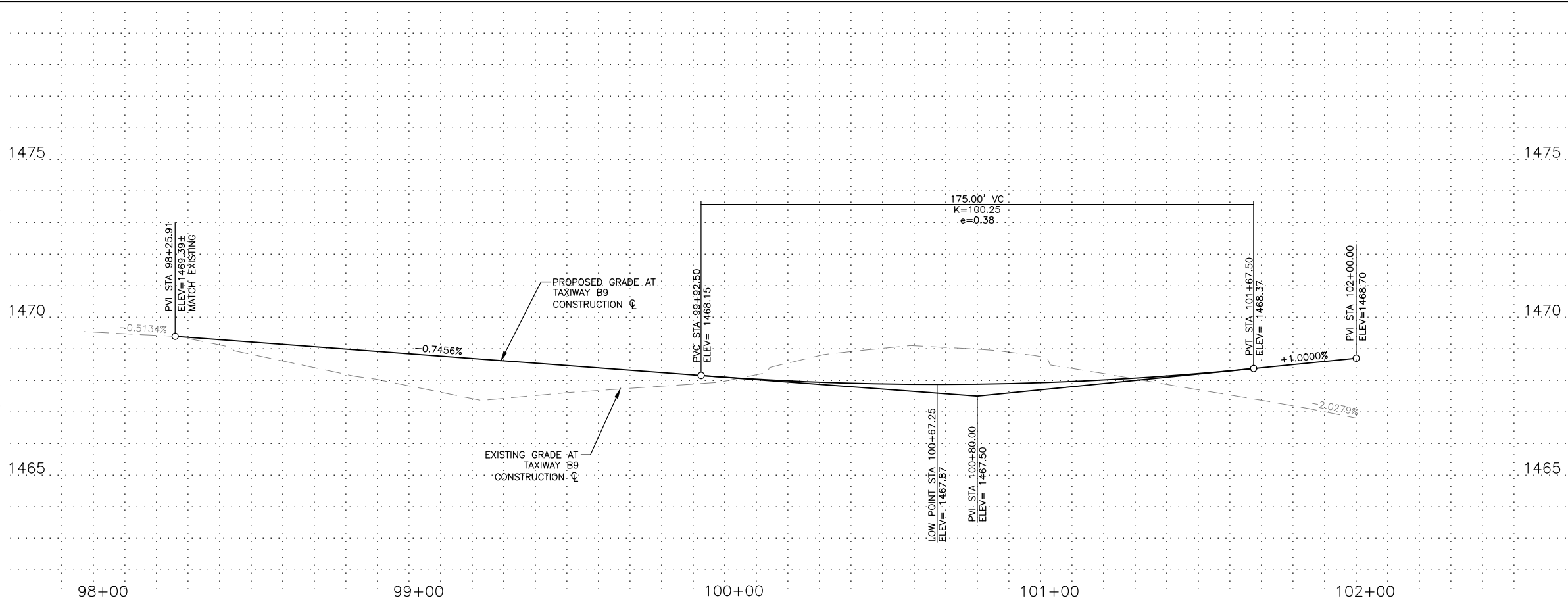
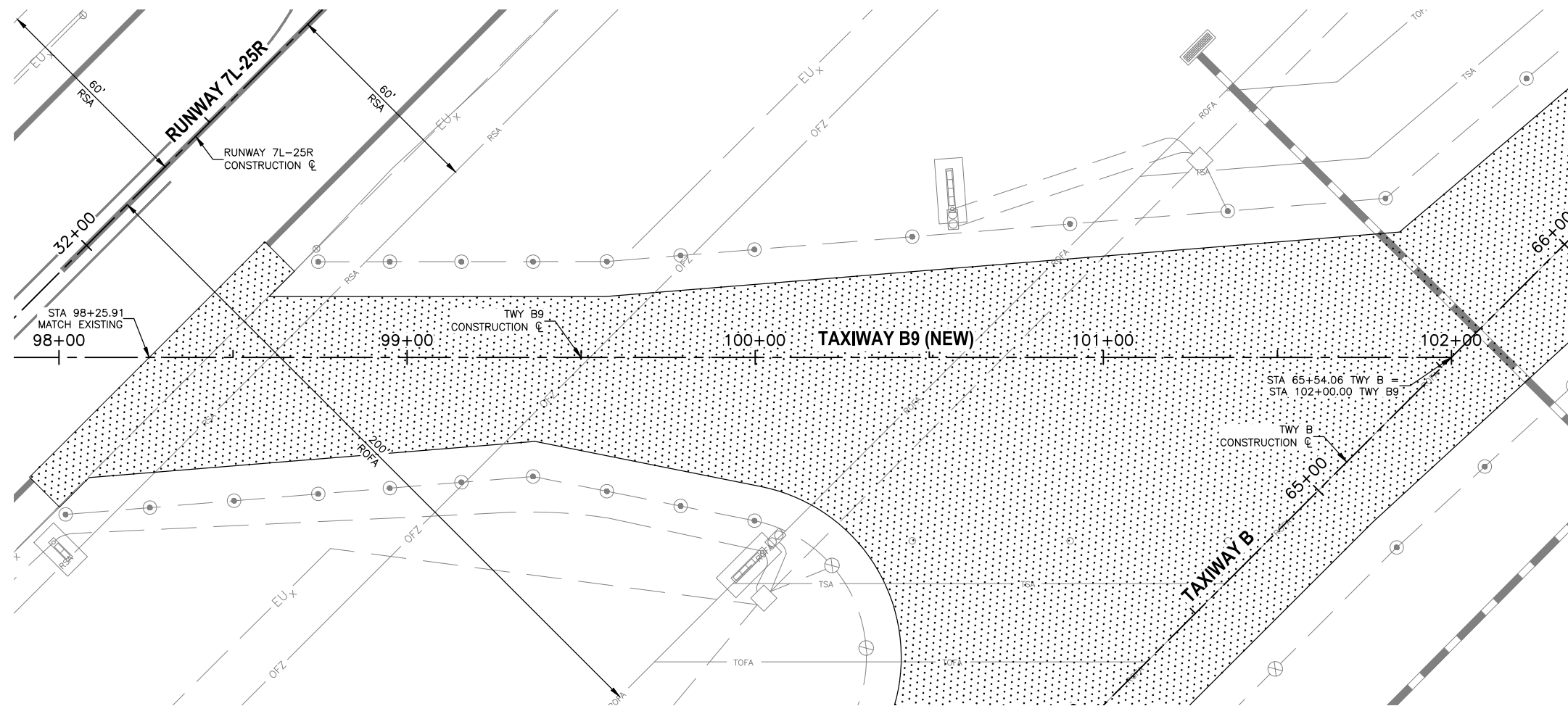


KEY MAP



SCALE: 1" = 20'





REFERENCE NOTES

- SEE SHEET CS-XXX FOR GEOMETRIC LAYOUT PLAN
- SEE SHEET CG-XXX FOR GRADING AND DRAINAGE PLAN

PRIME CONSULTANT
TRAGE
 CONSULTING
 10711 Johnson St., Suite 11 Phoenix, AZ 85024

SUB CONSULTANT

90%
 SUBMITTAL
 PRELIMINARY
 NOT FOR
 CONSTRUCTION

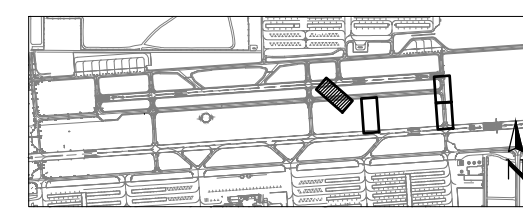
PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-28, THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF CONTRACTOR'S CONTRACT WITH THE CITY OF PHOENIX.

NO	REVISIONS / SUBMISSIONS	DATE

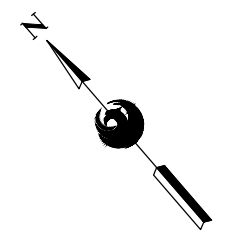
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 CITY OF PHOENIX AVIATION DEPARTMENT
 DEER VALLEY AIRPORT
 RELOCATE TAXIWAY B AND
 CONSTRUCT CONNECTORS
 B6 AND B9 - GMP 1
 AV31000092 FAA

Designed by: B. SALINE
 Drawn by: T. ROTH
 Checked by: C. JHAVERI
 Date: 04/2023
 Dwg scale: AS SHOWN

AIP NO.:3-04-0028-045-2023



KEY MAP



SCALE: 1" = 20'



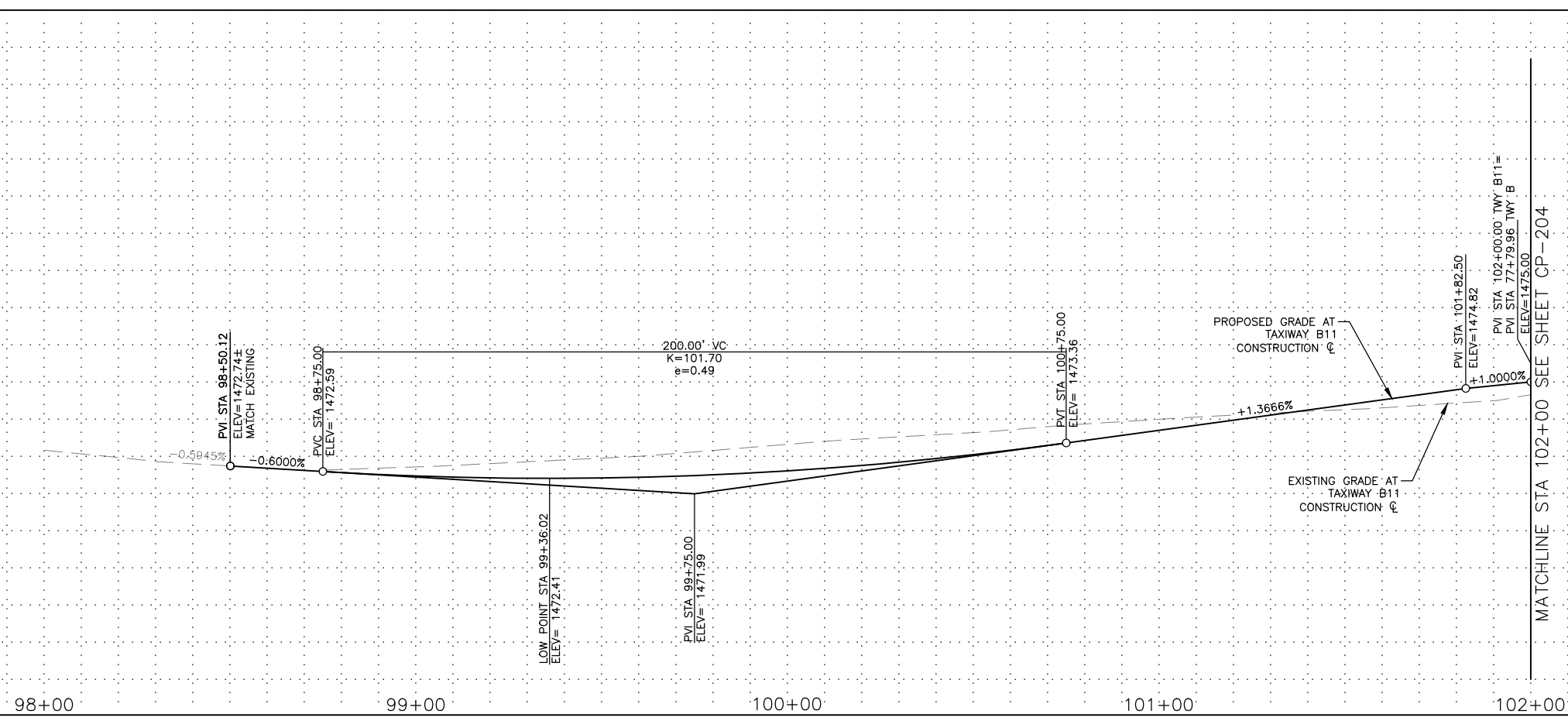
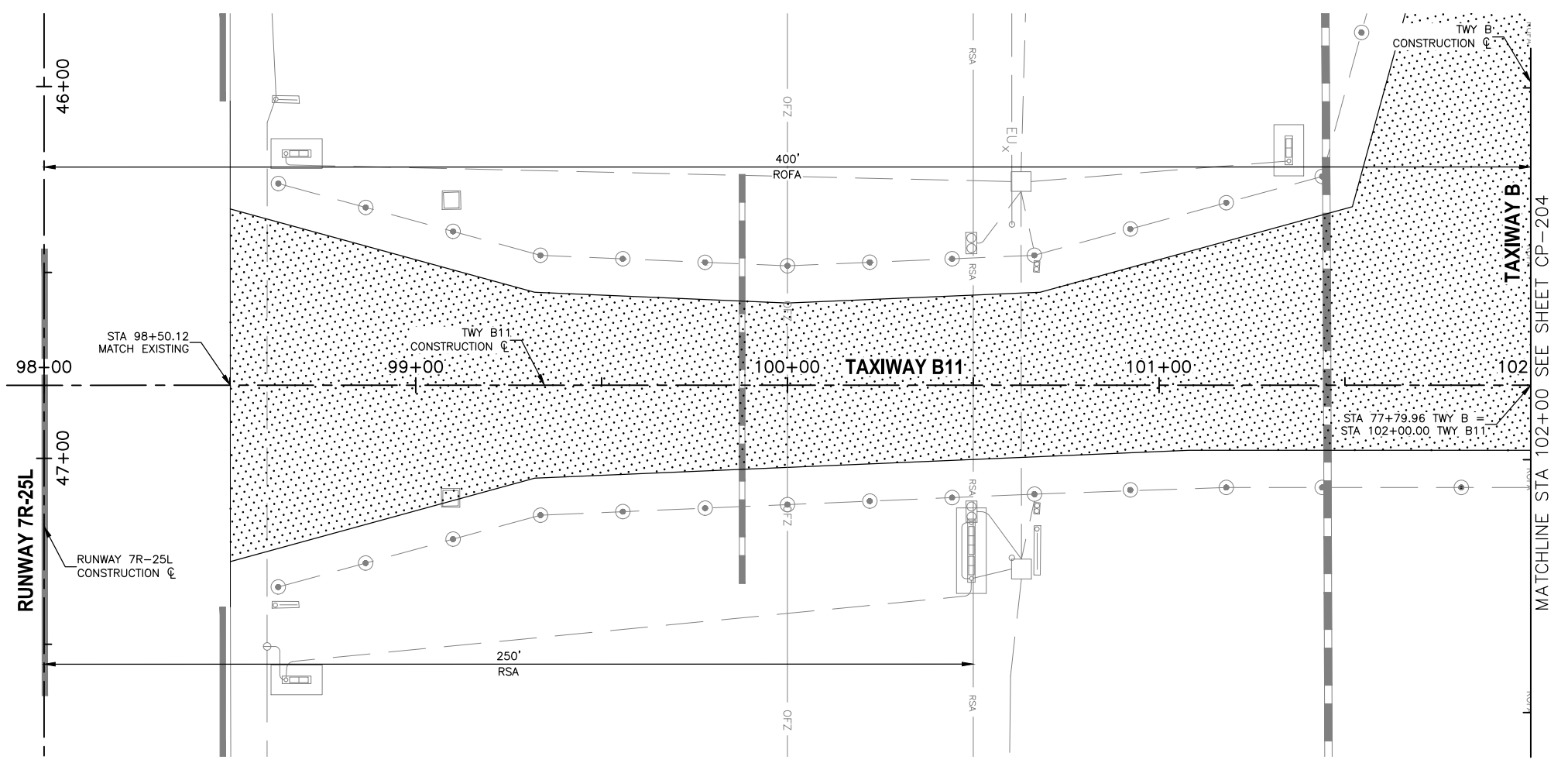
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**CONNECTOR TAXIWAY B9
 PLAN & PROFILE**

SHEET REFERENCE NUMBER:
CP-201

SHEET 44 OF 107

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REFERENCE NOTES

- SEE SHEET CS-XXX FOR GEOMETRIC LAYOUT PLAN
- SEE SHEET CG-XXX FOR GRADING AND DRAINAGE PLAN

PRIME CONSULTANT
TRAGE CONSULTING
 10711 Johnson St, Suite 11 Phoenix, AZ 85028

SUB CONSULTANT

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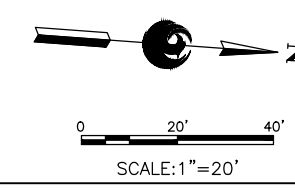
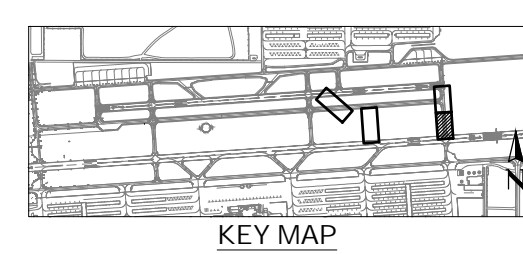
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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYB
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 DEER VALLEY AIRPORT
 RELOCATE TAXIWAY B AND
 CONSTRUCT CONNECTORS
 B6 AND B9 - GMP 1
 AV31000092 FAA

Designed by: B. SALINE
 Drawn by: T. ROTH
 Checked by: C. JHAVERI
 Date: 04/2023
 Dwg scale: AS SHOWN

AIP NO.:3-04-0028-045-2023



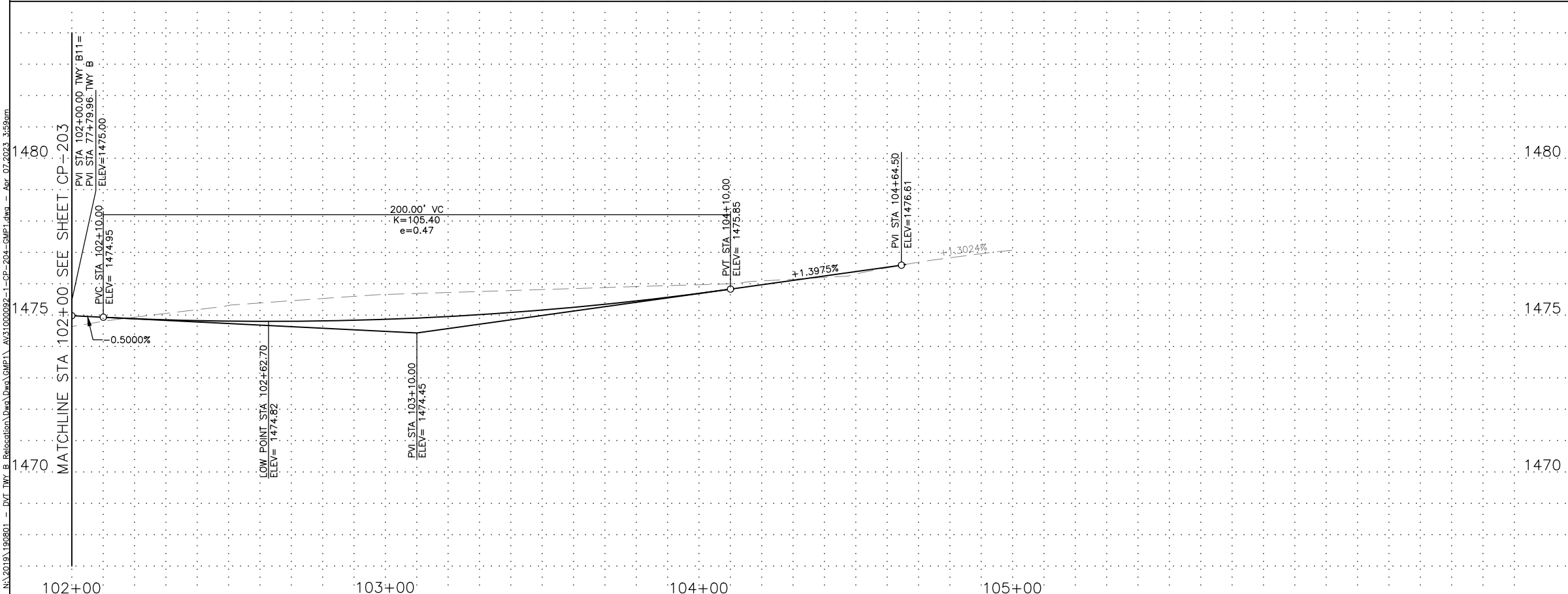
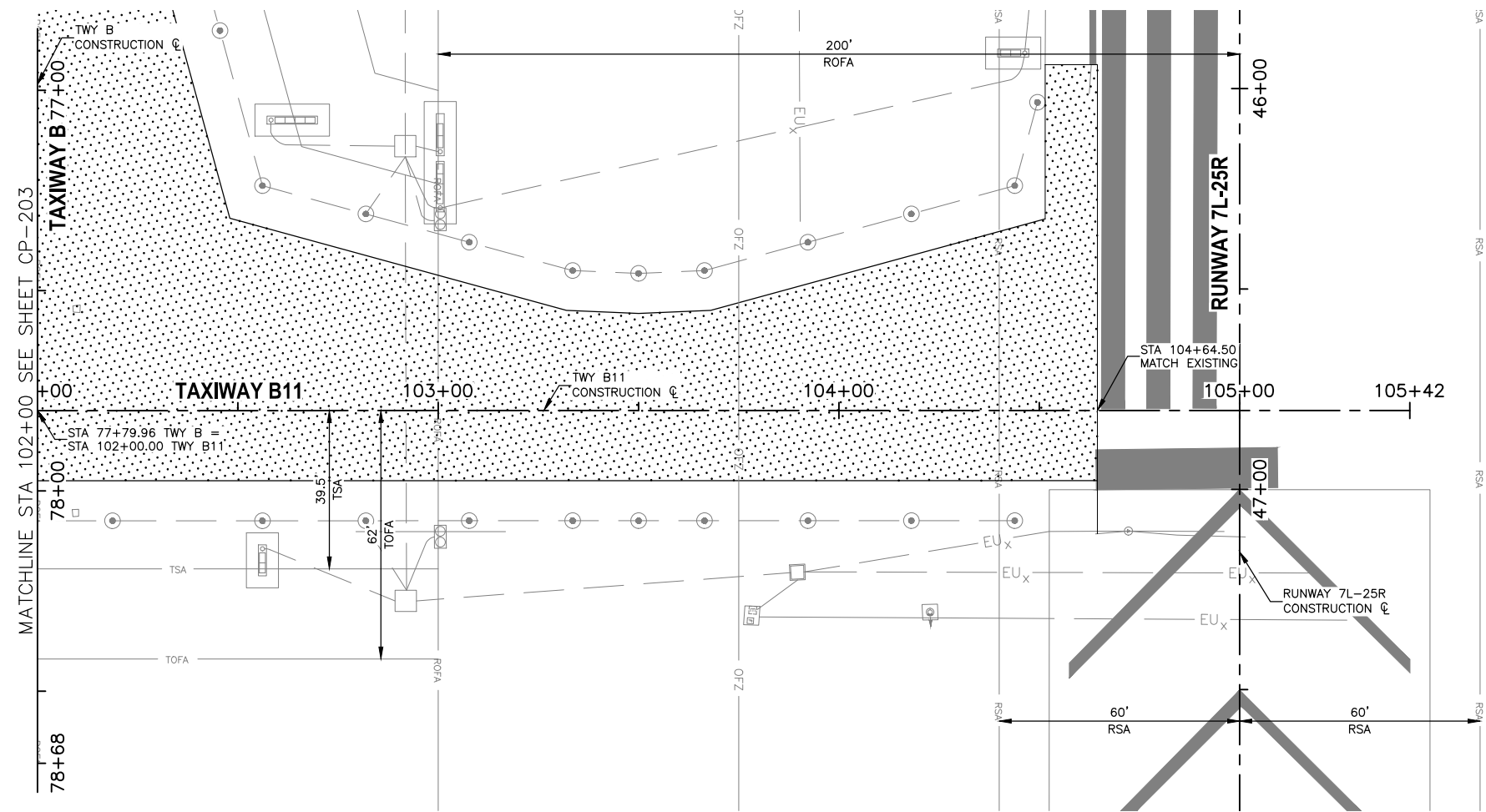
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**CONNECTOR TAXIWAY B11
 PLAN & PROFILE
 STA 98+50.12 TO 102+00**

SHEET REFERENCE NUMBER:
CP-203

SHEET 46 OF 107

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REFERENCE NOTES

- SEE SHEET CS-XXX FOR GEOMETRIC LAYOUT PLAN
- SEE SHEET CG-XXX FOR GRADING AND DRAINAGE PLAN

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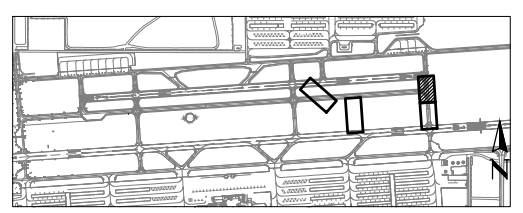
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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
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 DEER VALLEY AIRPORT
 RELOCATE TAXIWAY B AND
 CONSTRUCT CONNECTORS
 B6 AND B9 - GMP 1
 AV31000092 FAA

Designed by:	B. SALINE
Drawn by:	T. ROTH
Checked by:	C. JHAVERI
Date:	04/2023
Dwg scale:	AS SHOWN

AIP NO.:3-04-0028-045-2023



**CONNECTOR TAXIWAY B11
 PLAN & PROFILE
 STA 102+00 TO 104+64.50**

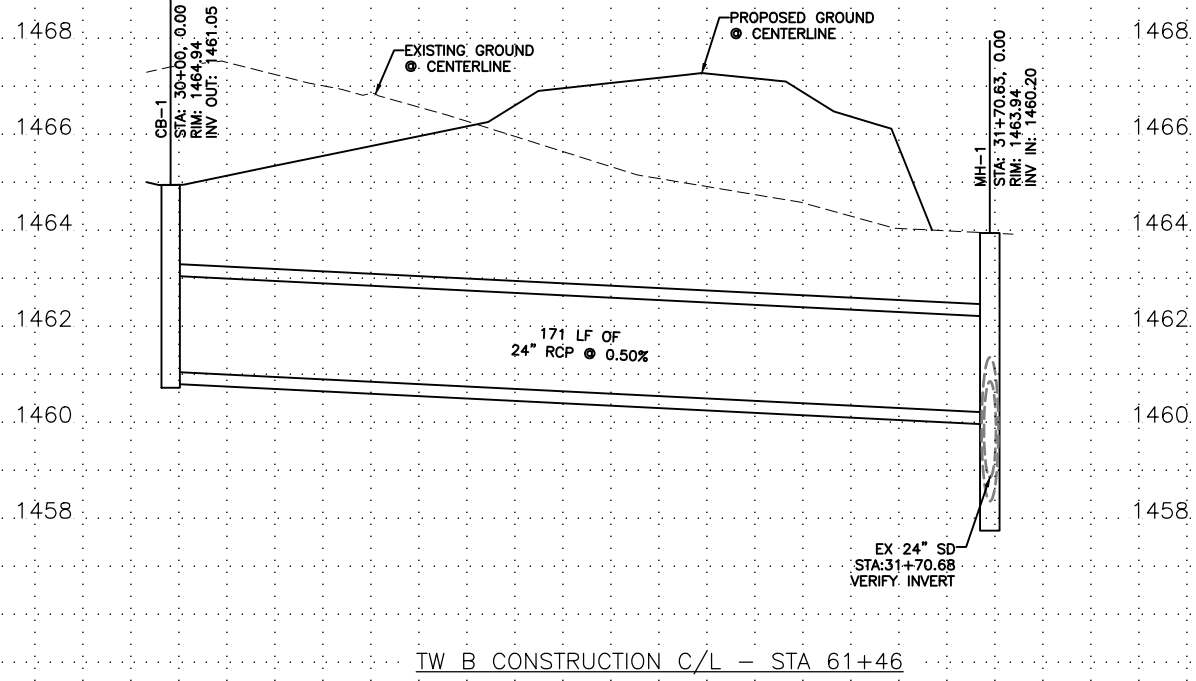
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SHEET REFERENCE NUMBER:
CP-204

SHEET 47 OF 107

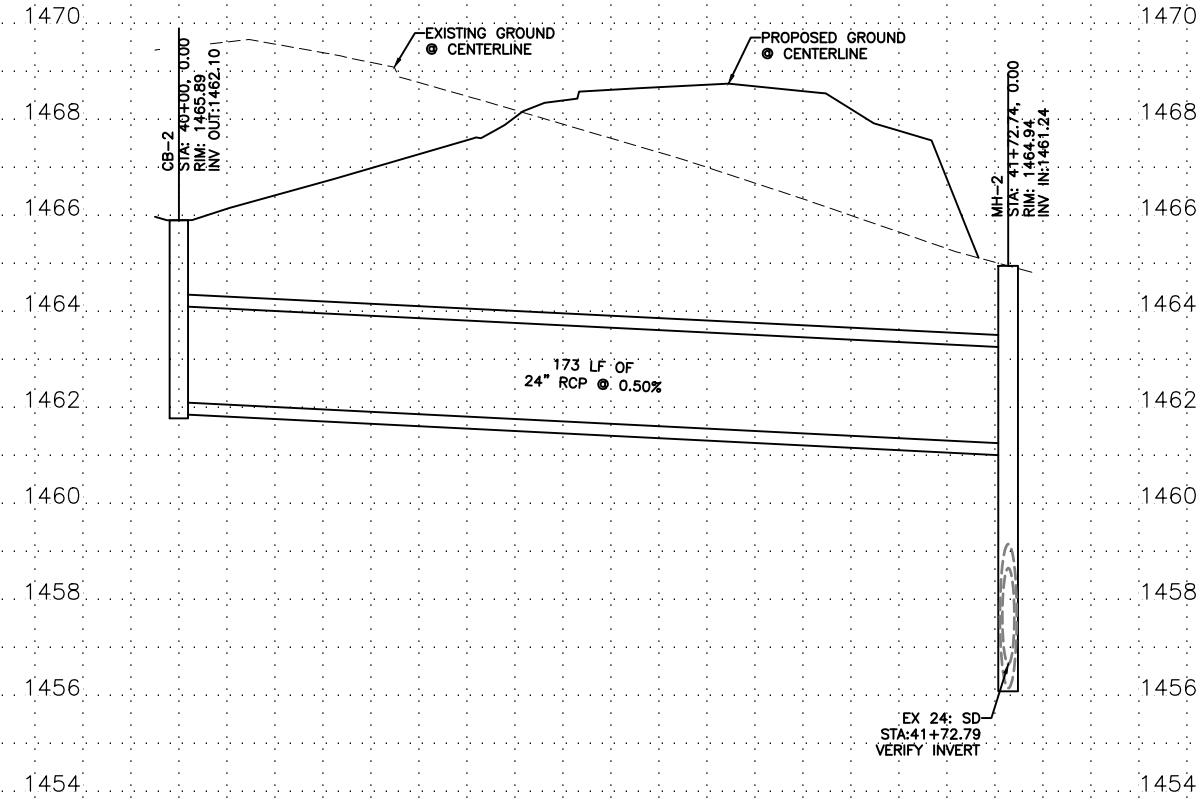
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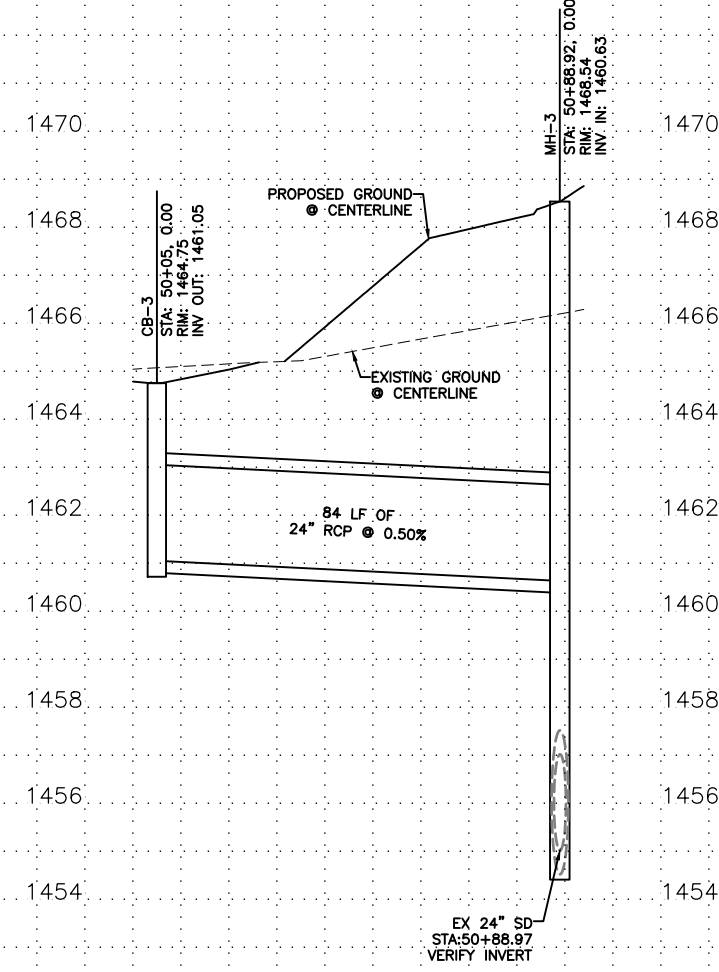
TW B CONSTRUCTION C/L - STA 61+46

D1 STORM DRAIN PROFILE SD-1
CU-201



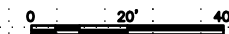
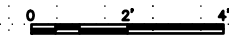
TW B CONSTRUCTION C/L - STA 65+65

D2 STORM DRAIN PROFILE SD-2
CU-201



TW B CONSTRUCTION C/L - STA 68+73

D3 STORM DRAIN PROFILE SD-3
CU-201



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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
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 DEER VALLEY AIRPORT
 RELOCATE TAXIWAY BAND
 CONSTRUCT CONNECTORS
 B6 AND B9 - GMP 1
 AV31000092 FAA

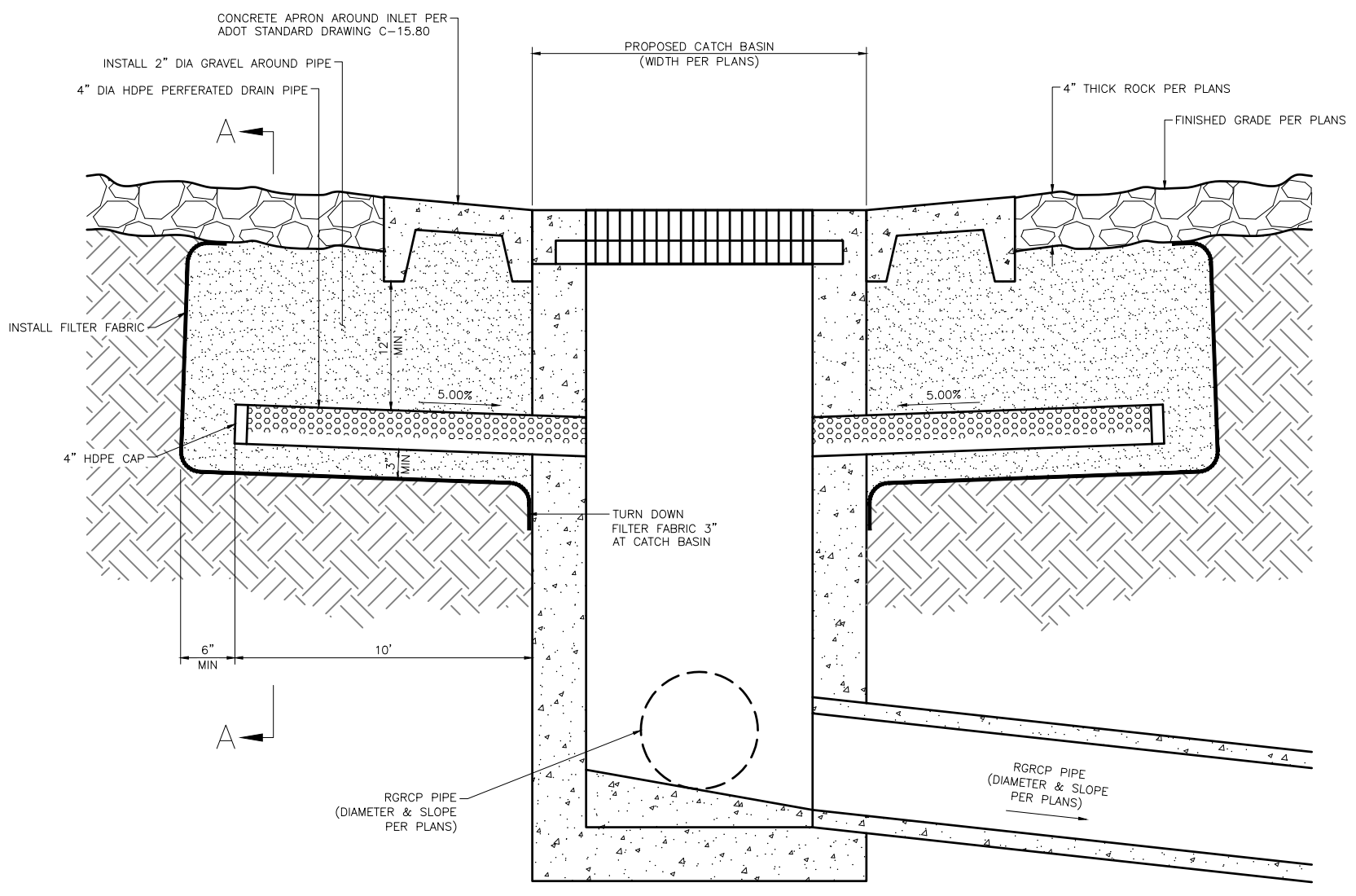
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 Dwg scale: AS SHOWN
 AIP NO.: 3-04-0028-045-2023

SHEET OVERVIEW TITLE
STORM DRAIN CONNECTOR PIPE PROFILES

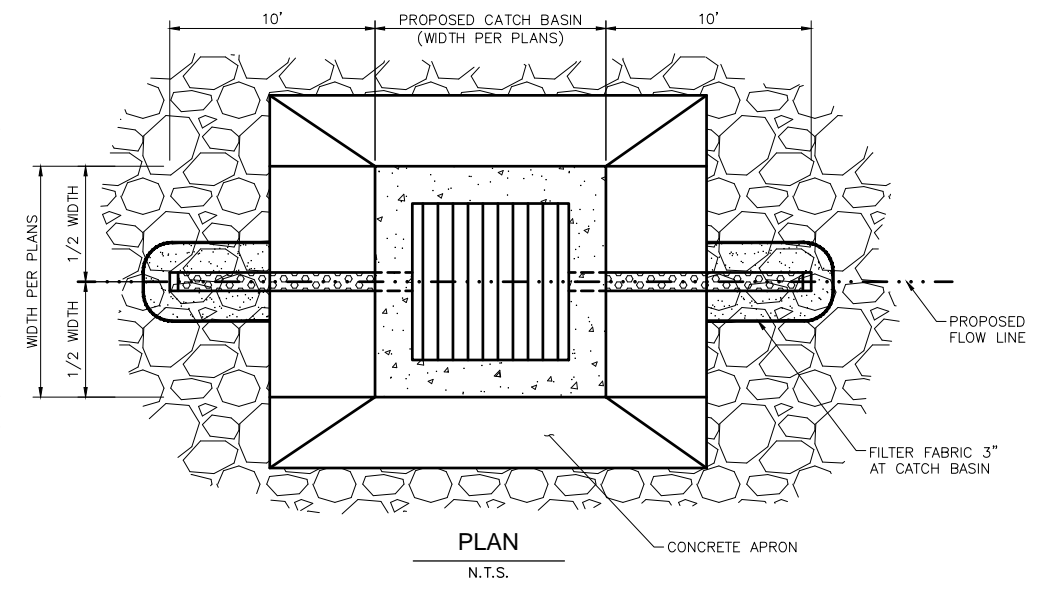
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 SHEET 48 OF 107

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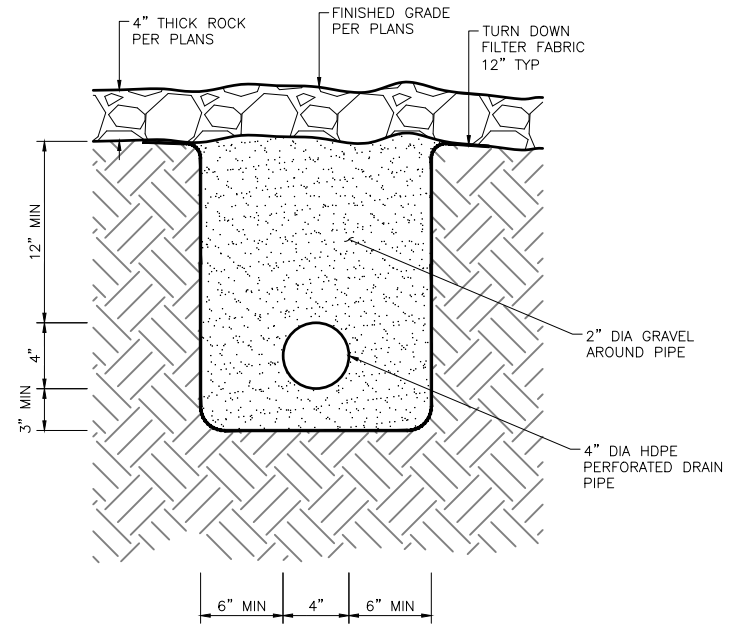
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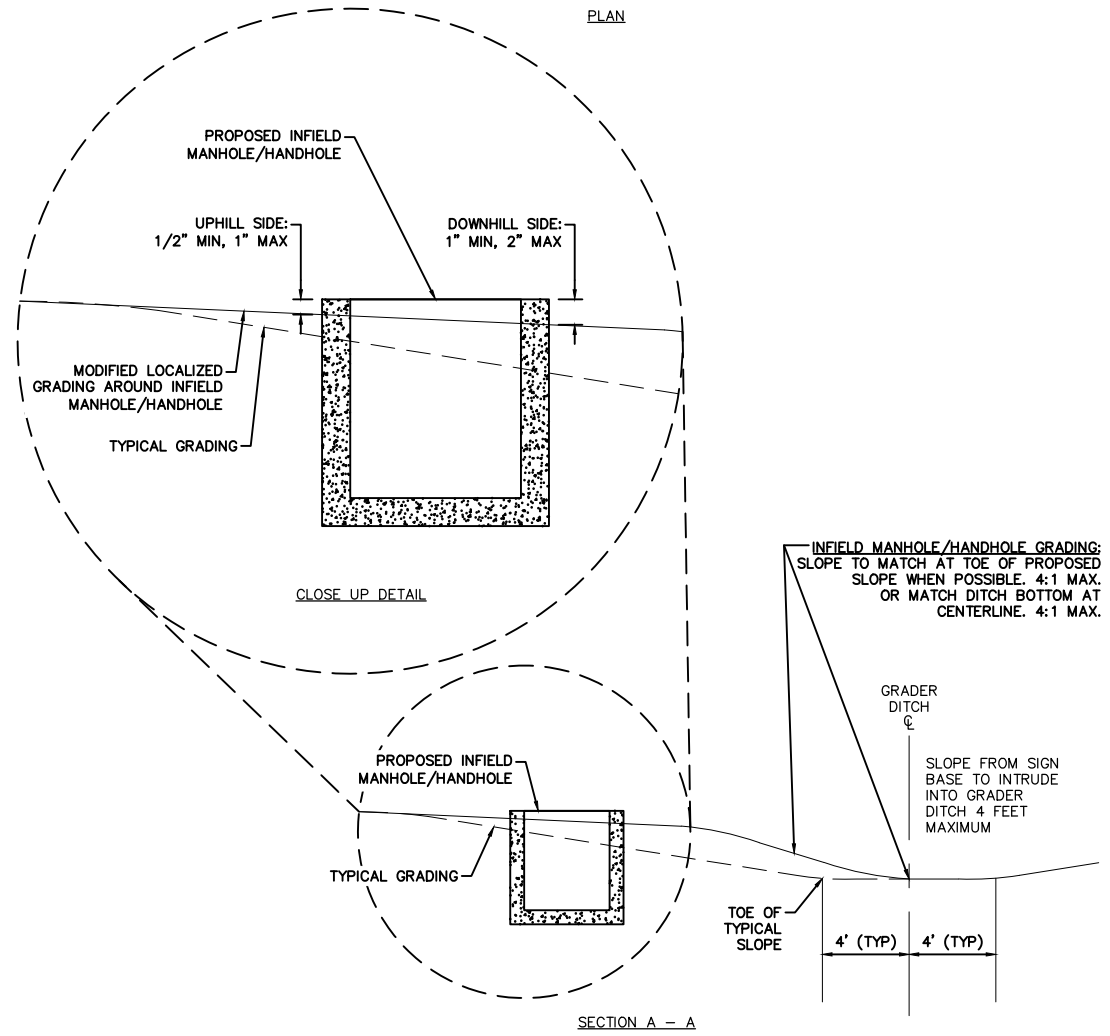
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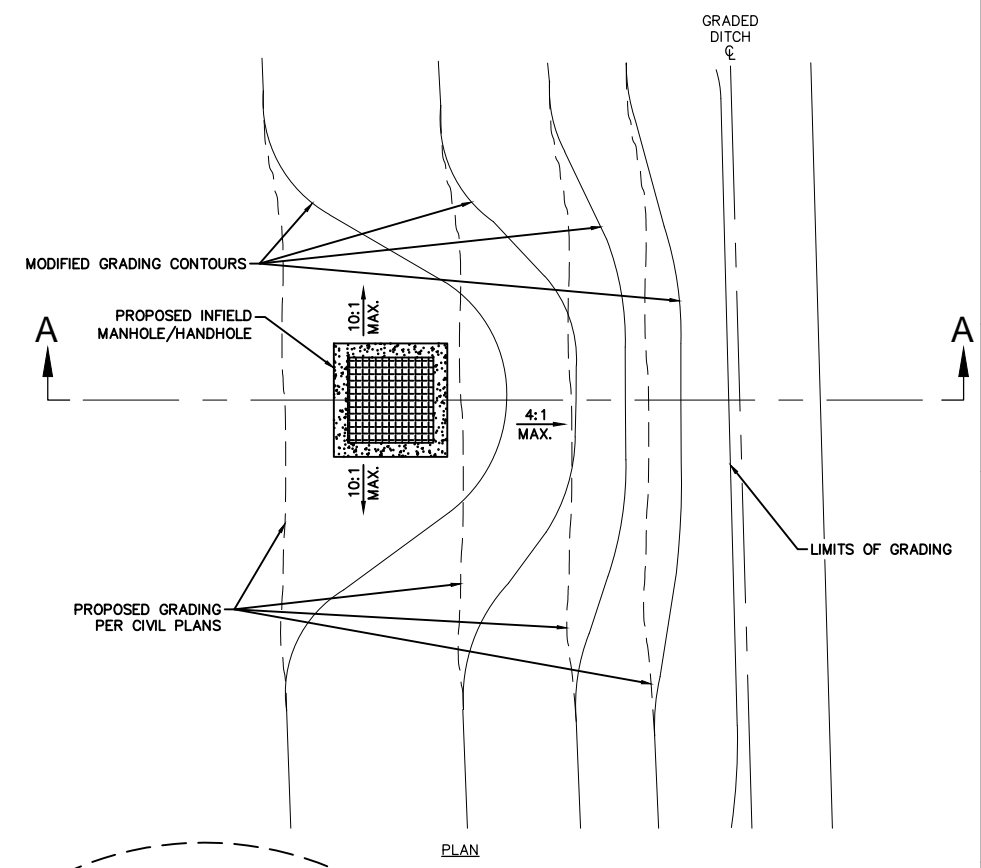
PLAN
N.T.S.



SECTION "A-A"
N.T.S.



INFIELD MANHOLE / HANDHOLE LOCALIZED GRADING DETAIL
N.T.S.



PLAN

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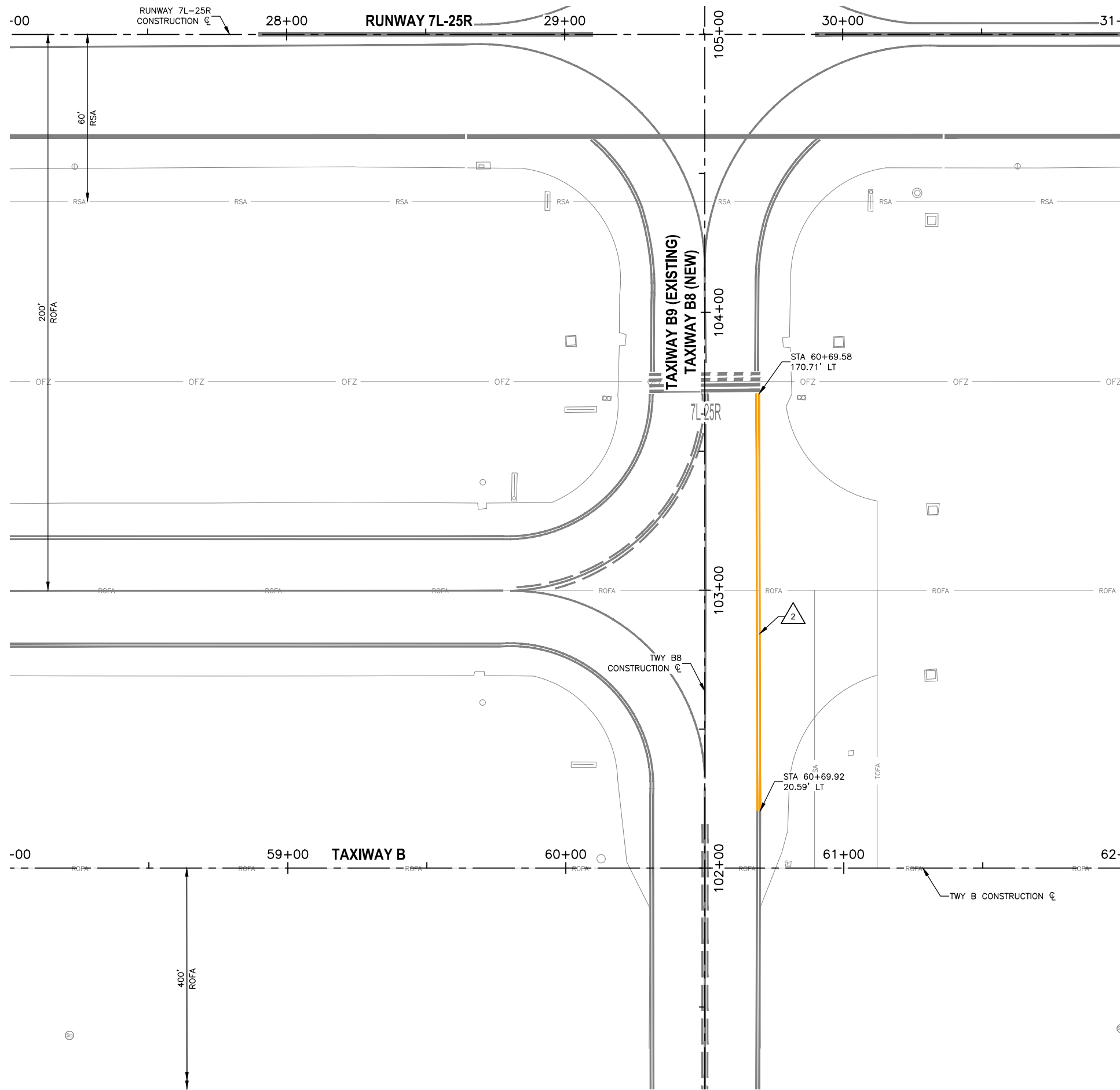
PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-28, THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF CONTRACTOR'S CONTRACT WITH THE CITY OF PHOENIX.

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 CITY OF PHOENIX AVIATION DEPARTMENT
 DEER VALLEY AIRPORT
 RELOCATE TAXIWAY BAND
 CONSTRUCT CONNECTORS
 B6 AND B9 - GMP 1
 AV31000092 FAA

Designed by: B. SALINE
 Drawn by: T. ROTH
 Checked by: C. JHAVERI
 Date: 04/2023
 Dwg scale: NTS
 AIP NO.: 3-04-0028-045-2023

SHEET OVERVIEW TITLE
GRADING & DRAINAGE
DETAILS

SHEET REFERENCE NUMBER:
CU-501
 SHEET 49 OF 107

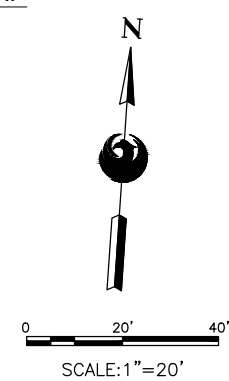
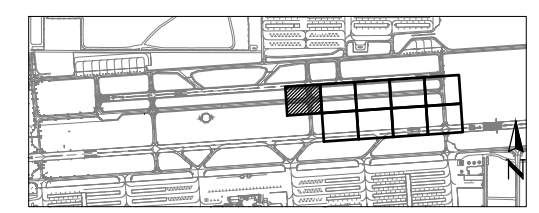


PAVEMENT MARKING NOTES

- 1 PAINT TAXIWAY CENTERLINE MARKING PER DTL D1, SHEET CT-501 (P-620)
- 2 PAINT TAXIWAY EDGE MARKING PER DTL D2, SHEET CT-501 (P-620)
- 3 PAINT ENHANCED TAXIWAY CENTERLINE MARKING PER DTL D3, SHEET CT-501 (P-620)
- 4 PAINT RUNWAY HOLDING POSITION MARKING PER DTL D4, SHEET CT-501 (P-620)
- 5 PAINT SURFACE PAINTED HOLDING POSITION SIGN PER DTL D5, SHEET CT-501 (P-620)
- 6 PAINT RUNWAY EDGE MARKING PER DTL D6, CT-501 (P-620)

REFERENCE NOTES

- 1. STATIONING IS BASED ON TWY B CONSTRUCTION CL UNLESS OTHERWISE NOTED.



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TRAGE CONSULTING, INC. 11111 PUEBLO AVENUE, SUITE 100, PHOENIX, AZ 85024

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DOT BYR
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 DEER VALLEY AIRPORT
 RELOCATE TAXIWAY BAND
 CONSTRUCT CONNECTORS
 B6 AND B9 - GMP 1
 AV31000092 FAA

Designed by: B. SALINE
 Drawn by: T. ROTH
 Checked by: C. JHAVERI
 Date: 04/2023
 Dwg scale: AS SHOWN

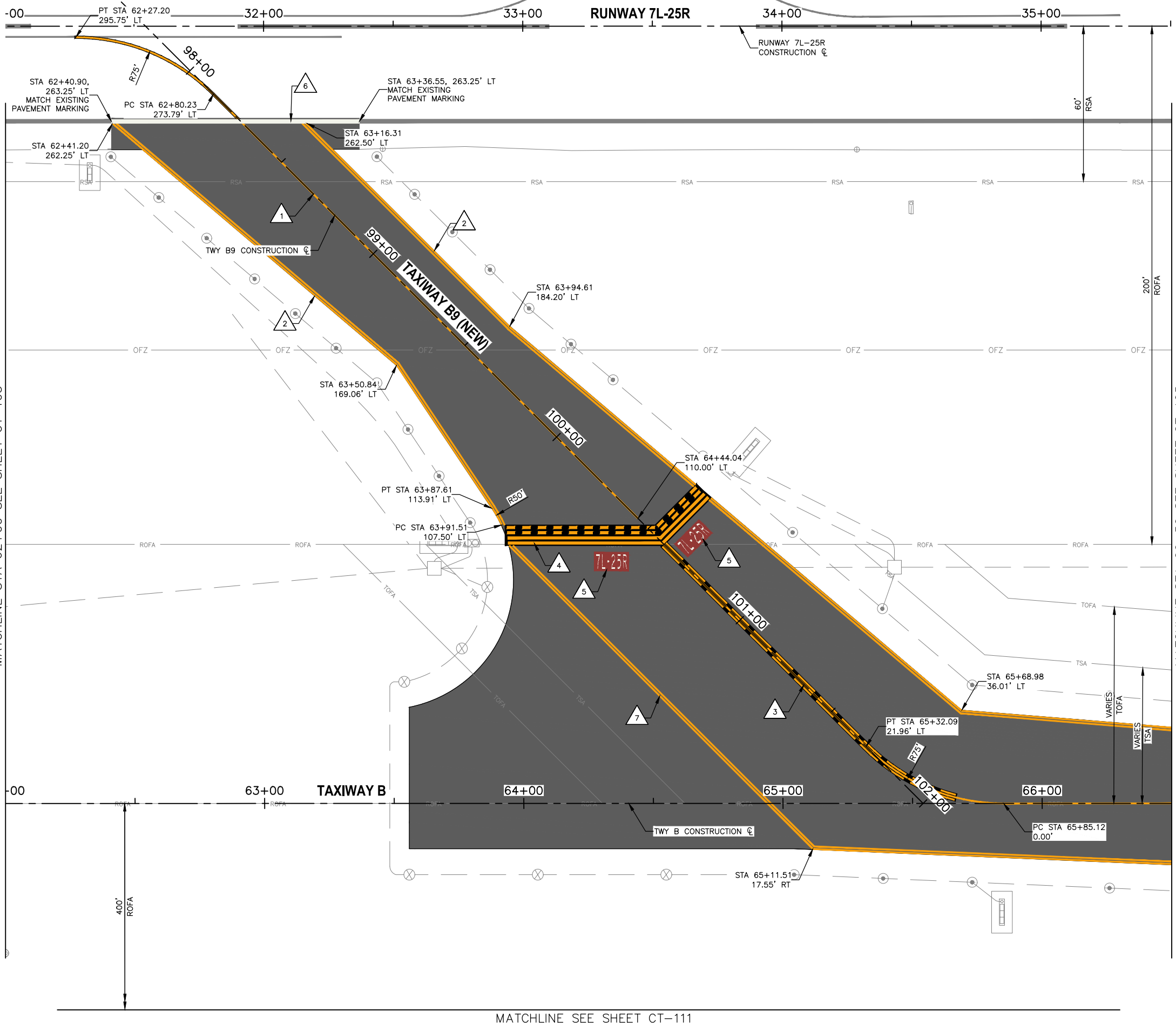
AIP NO.:3-04-0028-045-2023

SHEET OVERVIEW TITLE

AIRFIELD MARKING PLAN

SHEET REFERENCE NUMBER:
CT-103
 SHEET 50 OF 107

N:\2019\190901 - DVT TWY B Relocation\Draw\GMP1\AV31000092-1-CT-103-GMP1.dwg - Apr_07_2023_4:01am



- ### PAVEMENT MARKING NOTES
- 1 PAINT TAXIWAY CENTERLINE MARKING PER DTL D1, SHEET CT-501 (P-620)
 - 2 PAINT TAXIWAY EDGE MARKING PER DTL D2, SHEET CT-501 (P-620)
 - 3 PAINT ENHANCED TAXIWAY CENTERLINE MARKING PER DTL D3, SHEET CT-501 (P-620)
 - 4 PAINT RUNWAY HOLDING POSITION MARKING PER DTL D4, SHEET CT-501 (P-620)
 - 5 PAINT SURFACE PAINTED HOLDING POSITION SIGN PER DTL D5, SHEET CT-501 (P-620)
 - 6 PAINT RUNWAY EDGE MARKING PER DTL D6, CT-501 (P-620)
 - 7 PAINT TEMPORARY YELLOW CONTINUOUS TAXILANE EDGE MARKING PER DTL D2, SHEET CT-501 (P-620)

REFERENCE NOTES

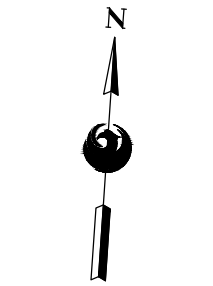
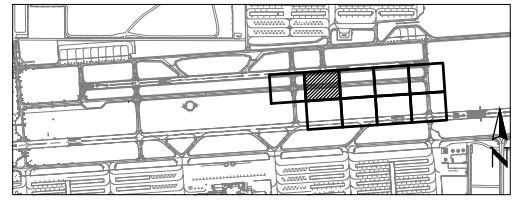
1. STATIONING IS BASED ON TWY B CONSTRUCTION \mathcal{C} UNLESS OTHERWISE NOTED.

DESIGNED BY: B. SALINE
 DRAWN BY: T. ROTH
 CHECKED BY: C. JHAVERI
 DATE: 04/2023
 DWG SCALE: AS SHOWN

PRIME CONSULTANT: **TRAGE CONSULTING**
 SUB CONSULTANT: [Blank]

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NO	REVISIONS / SUBMISSIONS	DATE



SHEET OVERVIEW TITLE: **AIRFIELD MARKING PLAN**

SHEET REFERENCE NUMBER: **CT-104**

SHEET 51 OF 107

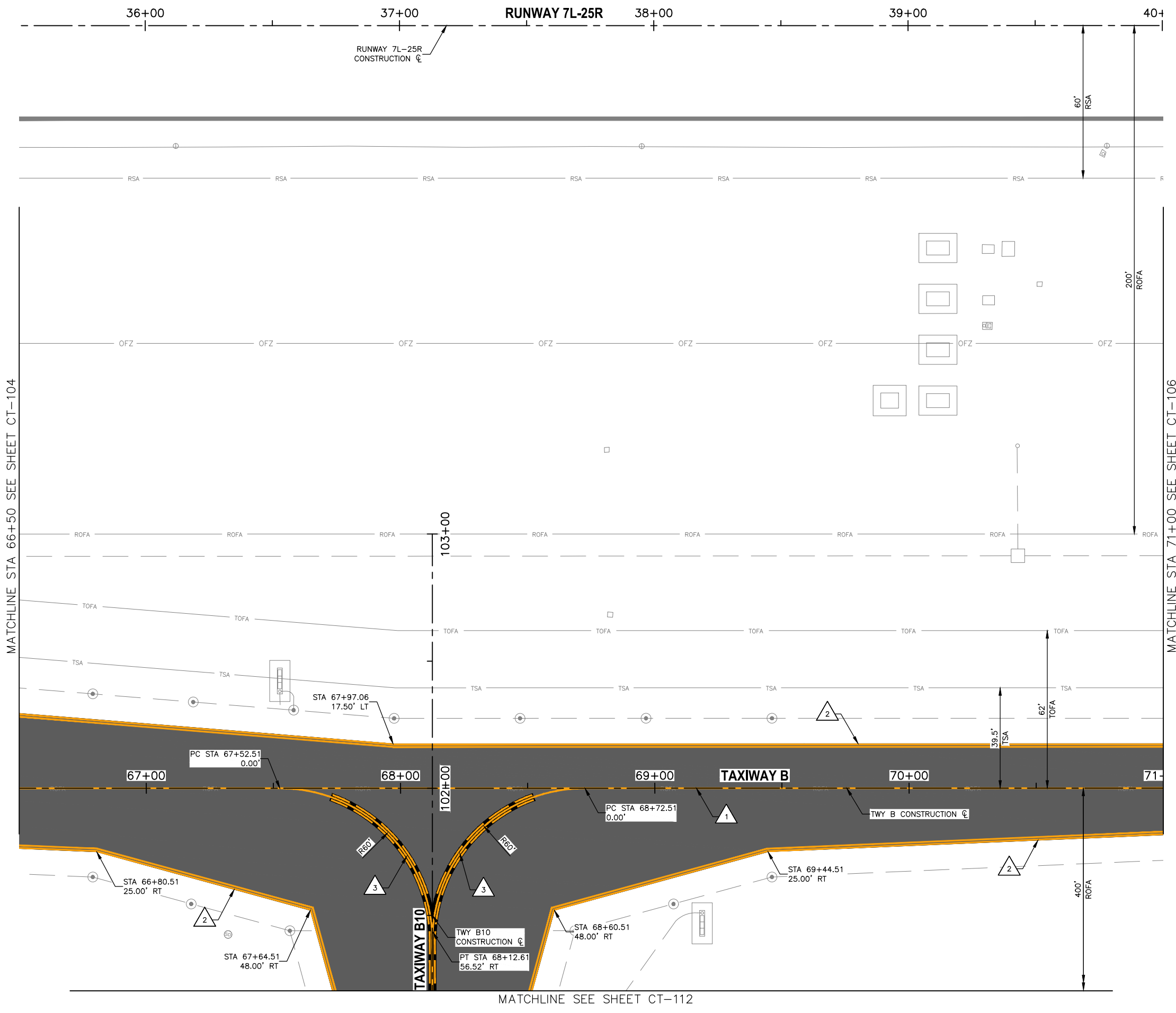
City of Phoenix City Code Chapter 2, Section 2-28. THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF CONTRACTOR'S CONTRACT WITH THE CITY OF PHOENIX.

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 RELOCATE TAXIWAY BAND
 CONSTRUCT CONNECTORS
 B6 AND B9 - GMP 1
 AV31000092 FAA

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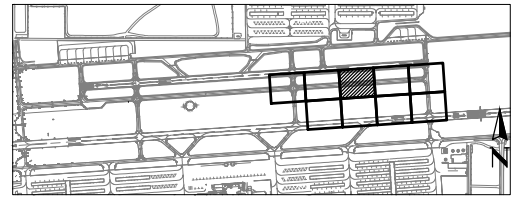


PAVEMENT MARKING NOTES

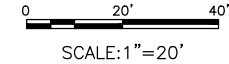
- 1 PAINT TAXIWAY CENTERLINE MARKING PER DTL D1, SHEET CT-501 (P-620)
- 2 PAINT TAXIWAY EDGE MARKING PER DTL D2, SHEET CT-501 (P-620)
- 3 PAINT ENHANCED TAXIWAY CENTERLINE MARKING PER DTL D3, SHEET CT-501 (P-620)

REFERENCE NOTES

- 1. STATIONING IS BASED ON TWY B CONSTRUCTION CL UNLESS OTHERWISE NOTED.



KEY MAP



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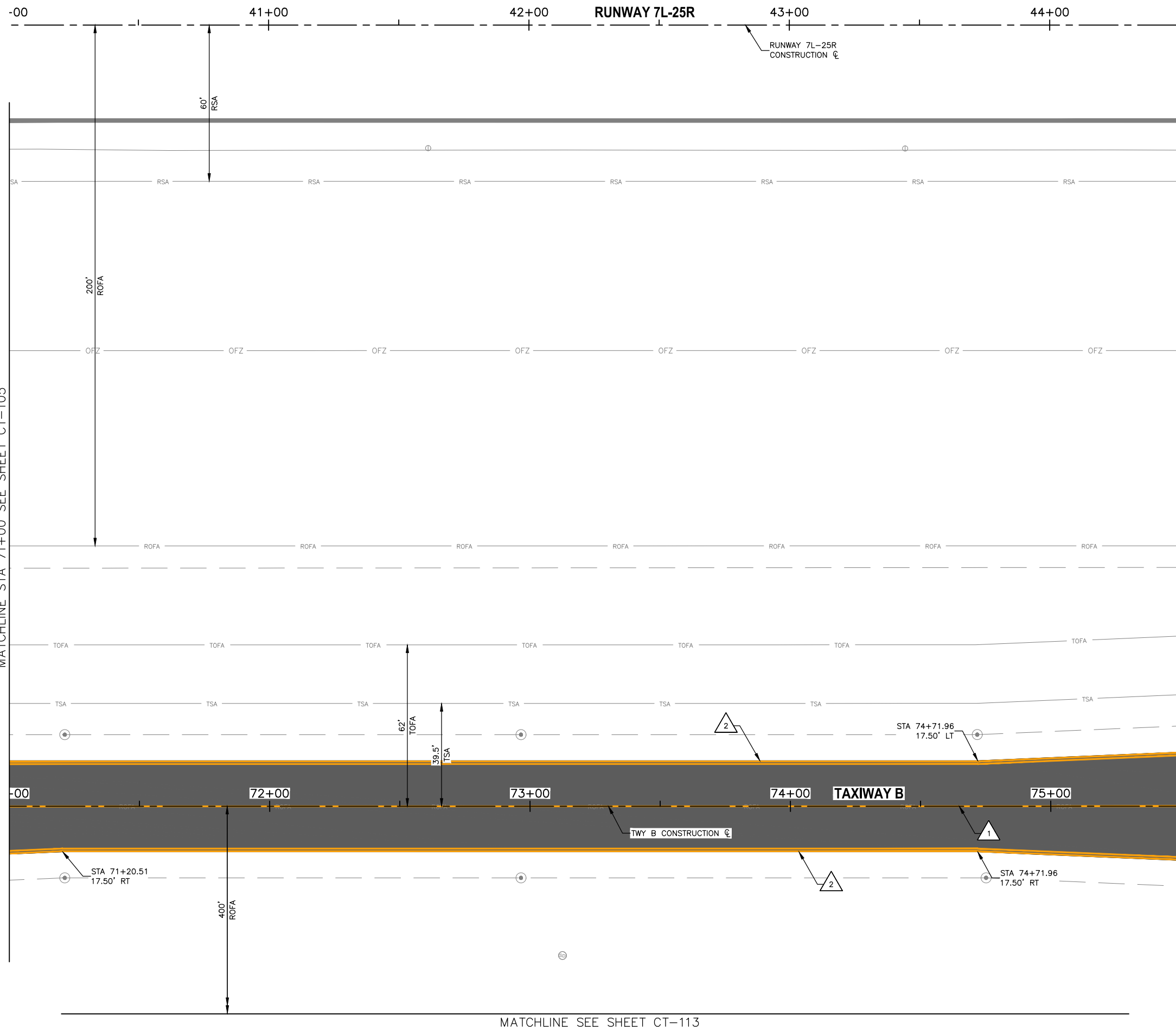
NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
RELOCATE TAXIWAY BAND
CONSTRUCT CONNECTORS
B6 AND B9 - GMP 1
AV31000092 FAA

Designed by: B. SALINE
Drawn by: T. ROTH
Checked by: C. JHAVERI
Date: 04/2023
Dwg scale: AS SHOWN
AIP NO.: 3-04-0028-045-2023

SHEET OVERVIEW TITLE
AIRFIELD MARKING PLAN

SHEET REFERENCE NUMBER:
CT-105
SHEET 52 OF 107



MATCHLINE STA 71+00 SEE SHEET CT-105

MATCHLINE STA 75+50 SEE SHEET CT-107

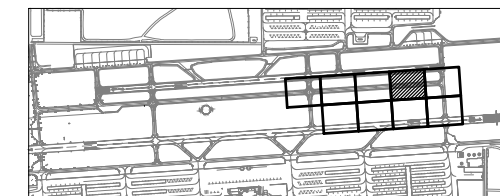
MATCHLINE SEE SHEET CT-113

PAVEMENT MARKING NOTES

- 1 PAINT TAXIWAY CENTERLINE MARKING PER DTL D1, SHEET CT-501
- 2 PAINT TAXIWAY EDGE MARKING PER DTL D2, SHEET CT-501

REFERENCE NOTES

- 1. STATIONING IS BASED ON TWY B CONSTRUCTION CL UNLESS OTHERWISE NOTED.



KEY MAP



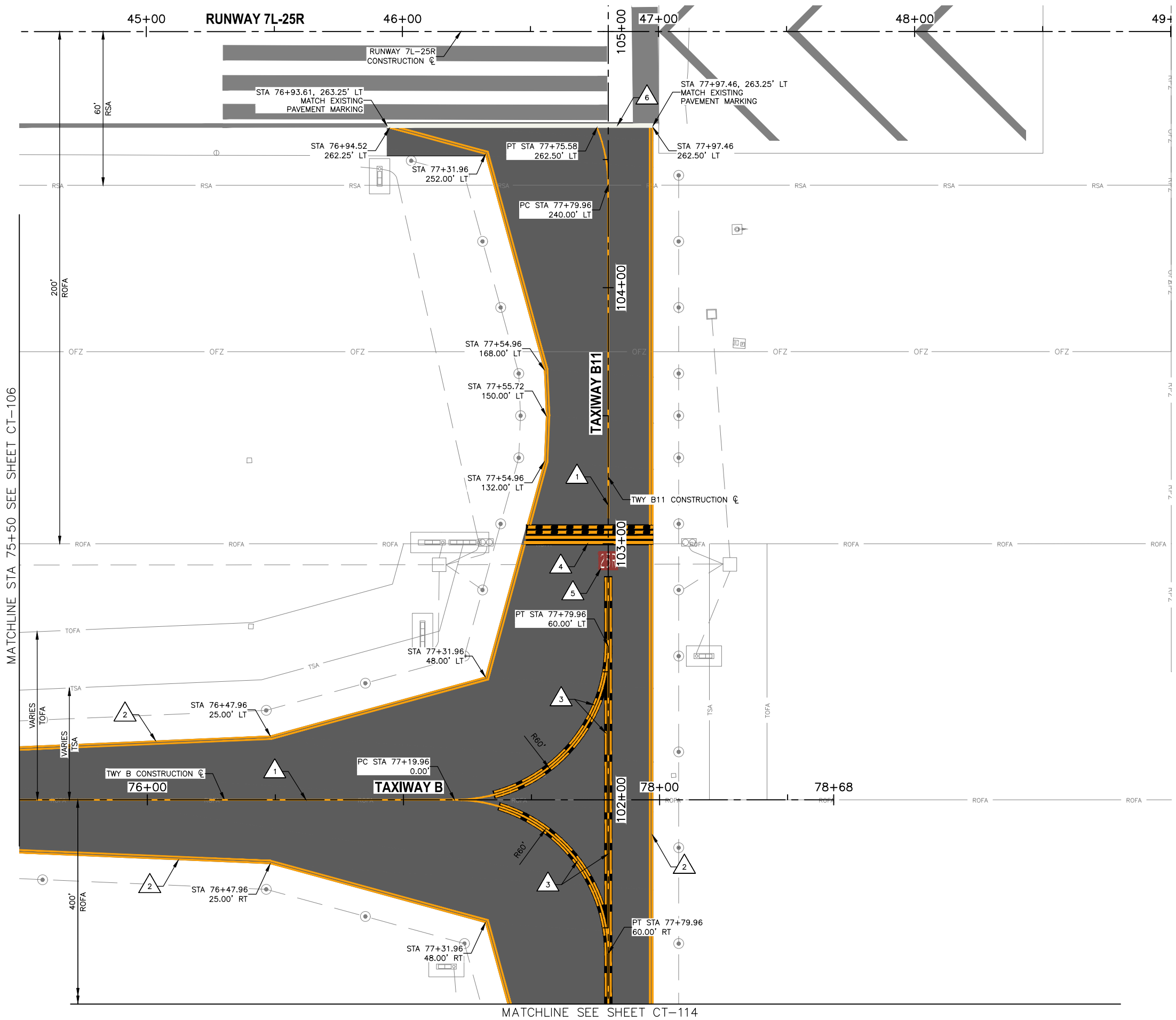
SCALE: 1" = 20'



 <small>TRAGE CONSULTING 10711 Jefferson St., Suite 11 Phoenix, AZ 85021</small>	PRIME CONSULTANT SUB CONSULTANT	90% SUBMITTAL PRELIMINARY NOT FOR CONSTRUCTION	
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PHX DOT BYR CITY OF PHOENIX AVIATION DEPARTMENT DEER VALLEY AIRPORT RELOCATE TAXIWAY BAND CONSTRUCT CONNECTORS B6 AND B9 - GMP 1 AV31000092 FAA			
Designed by: B. SALINE Drawn by: T. ROTH Checked by: C. JHAVERI Date: 04/2023 Dwg scale: AS SHOWN			
SHEET OVERVIEW TITLE AIRFIELD MARKING PLAN	SHEET REFERENCE NUMBER: CT-106		
			SHEET 53 OF 107

N:\2019\1909501 - DVT TWY B Rehabilitation\Draw\GMP1\ AV31000092-1-CT-106-GMP1.dwg - Apr_07_2023_4:04pm

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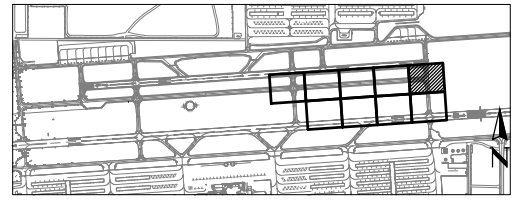


PAVEMENT MARKING NOTES

- 1 PAINT TAXIWAY CENTERLINE MARKING PER DTL D1, SHEET CT-501 (P-620)
- 2 PAINT TAXIWAY EDGE MARKING PER DTL D2, SHEET CT-501 (P-620)
- 3 PAINT ENHANCED TAXIWAY CENTERLINE MARKING PER DTL D3, SHEET CT-501 (P-620)
- 4 PAINT RUNWAY HOLDING POSITION MARKING PER DTL D4, SHEET CT-501 (P-620)
- 5 PAINT SURFACE PAINTED HOLDING POSITION SIGN PER DTL D5, SHEET CT-501 (P-620)
- 6 PAINT RUNWAY EDGE MARKING PER DTL D6, CT-501 (P-620)

REFERENCE NOTES

- 1. STATIONING IS BASED ON TWY B CONSTRUCTION CL UNLESS OTHERWISE NOTED.



KEY MAP



SCALE: 1" = 20'



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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYB
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
RELOCATE TAXIWAY BAND
CONSTRUCT CONNECTORS
B6 AND B9 - GMP 1
AV31000092 FAA

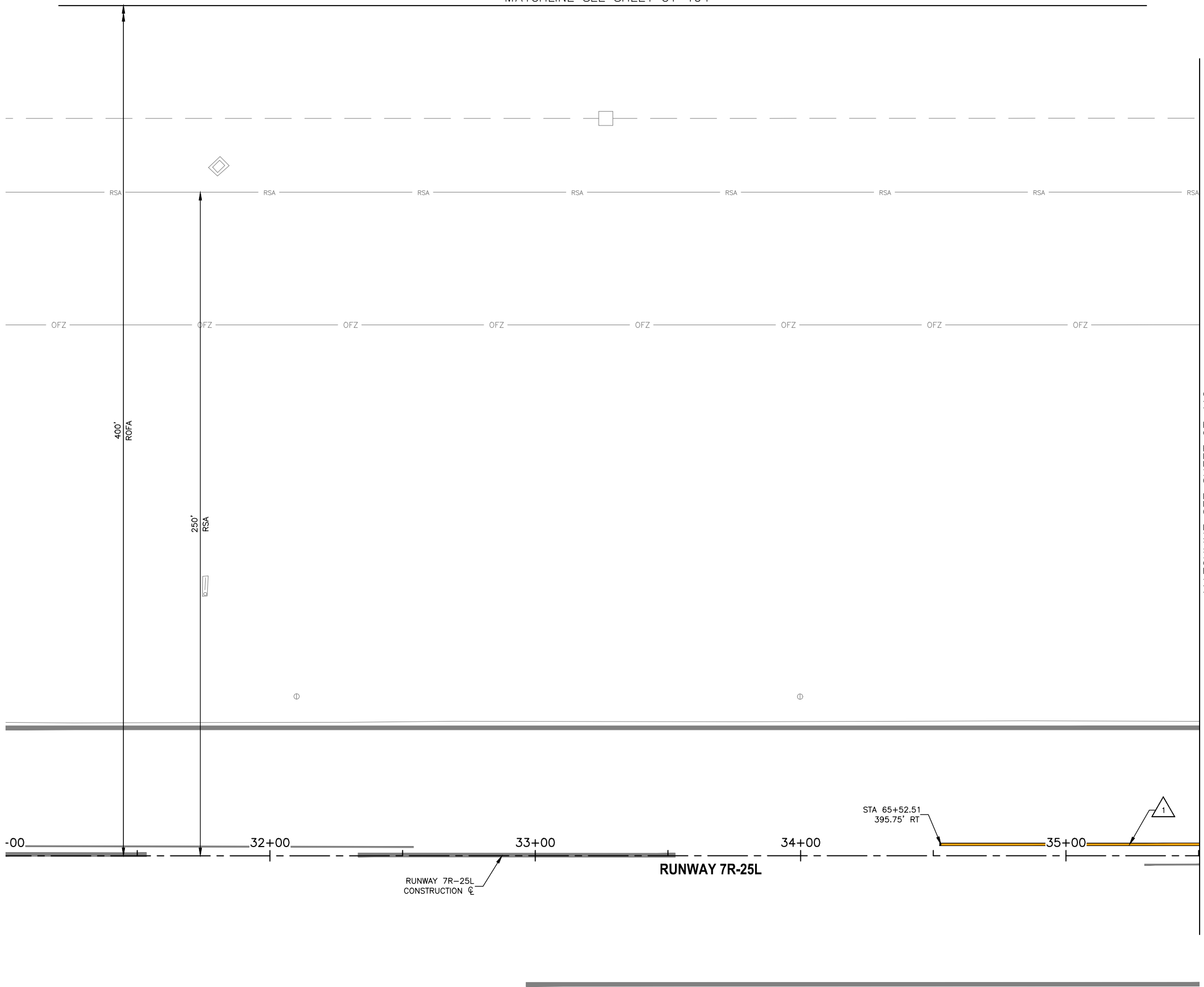
Designed by: B. SALINE
Drawn by: T. ROTH
Checked by: C. JHAVERI
Date: 04/2023
Dwg scale: AS SHOWN
AIP NO.: 3-04-0028-045-2023

SHEET OVERVIEW TITLE
AIRFIELD MARKING PLAN

SHEET REFERENCE NUMBER:
CT-107
SHEET 54 OF 107

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MATCHLINE SEE SHEET CT-104



MATCHLINE SEE SHEET CT-112

PAVEMENT MARKING NOTES

1. PAINT TAXIWAY CENTERLINE MARKING PER DTL D1, SHEET CT-501 (P-620)

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NO	REVISIONS / SUBMISSIONS	DATE

REFERENCE NOTES

1. STATIONING IS BASED ON TWY B CONSTRUCTION CENTERLINE UNLESS OTHERWISE NOTED.

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
RELOCATE TAXIWAY BAND
CONSTRUCT CONNECTORS
B6 AND B9 - GMP 1
AV31000092 FAA

Designed by: B. SALINE

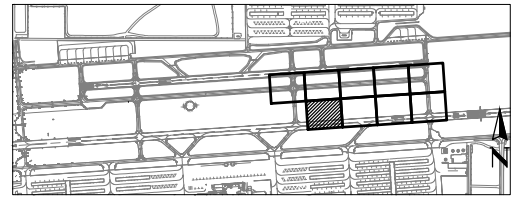
Drawn by: T. ROTH

Checked by: C. JHAVERI

Date: 04/2023

Dwg scale: AS SHOWN

AIP NO.:3-04-0028-045-2023



KEY MAP



0 20' 40'
SCALE: 1" = 20'



SHEET OVERVIEW TITLE

AIRFIELD MARKING PLAN

SHEET REFERENCE NUMBER:

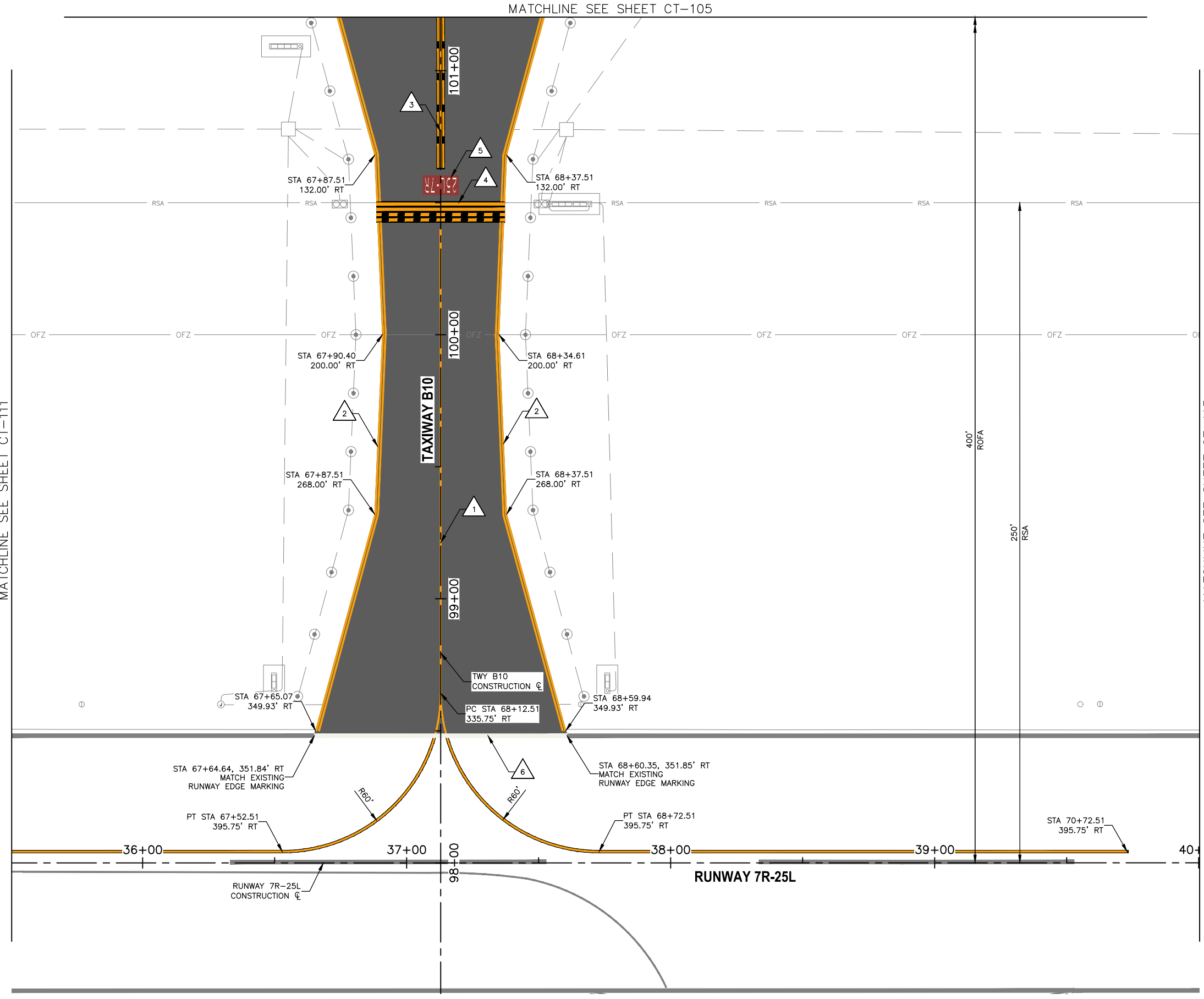
CT-111

SHEET 55 OF 107

N:\2019\190901 - DVT TWY B Relocation\Drawn\GMP1\AV31000092-1-CT-112-GMP1.dwg - Apr_07_2023_4:06pm

MATCHLINE SEE SHEET CT-111

MATCHLINE SEE SHEET CT-113

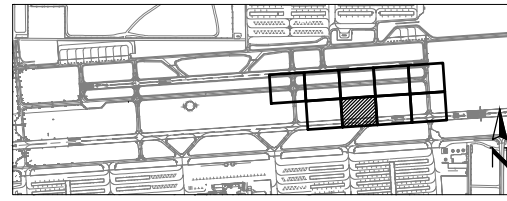


PAVEMENT MARKING NOTES

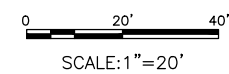
- 1 PAINT TAXIWAY CENTERLINE MARKING PER DTL D1, SHEET CT-501 (P-620)
- 2 PAINT TAXIWAY EDGE MARKING PER DTL D2, SHEET CT-501 (P-620)
- 3 PAINT ENHANCED TAXIWAY CENTERLINE MARKING PER DTL D3, SHEET CT-501 (P-620)
- 4 PAINT RUNWAY HOLDING POSITION MARKING PER DTL D4, SHEET CT-501 (P-620)
- 5 PAINT SURFACE PAINTED HOLDING POSITION SIGN PER DTL D5, SHEET CT-501 (P-620)
- 6 PAINT RUNWAY EDGE MARKING PER DTL D6, CT-501 (P-620)

REFERENCE NOTES

- 1. STATIONING IS BASED ON TWY B CONSTRUCTION ϕ UNLESS OTHERWISE NOTED.



KEY MAP



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PHX DVT BYB
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
RELOCATE TAXIWAY BAND
CONSTRUCT CONNECTORS
B6 AND B9 - GMP 1
AV31000092 FAA

Designed by: B. SALINE
Drawn by: T. ROTH
Checked by: C. JHAVERI
Date: 04/2023
Dwg scale: AS SHOWN
AIP NO.: 3-04-0028-045-2023

SHEET OVERVIEW TITLE
AIRFIELD MARKING PLAN

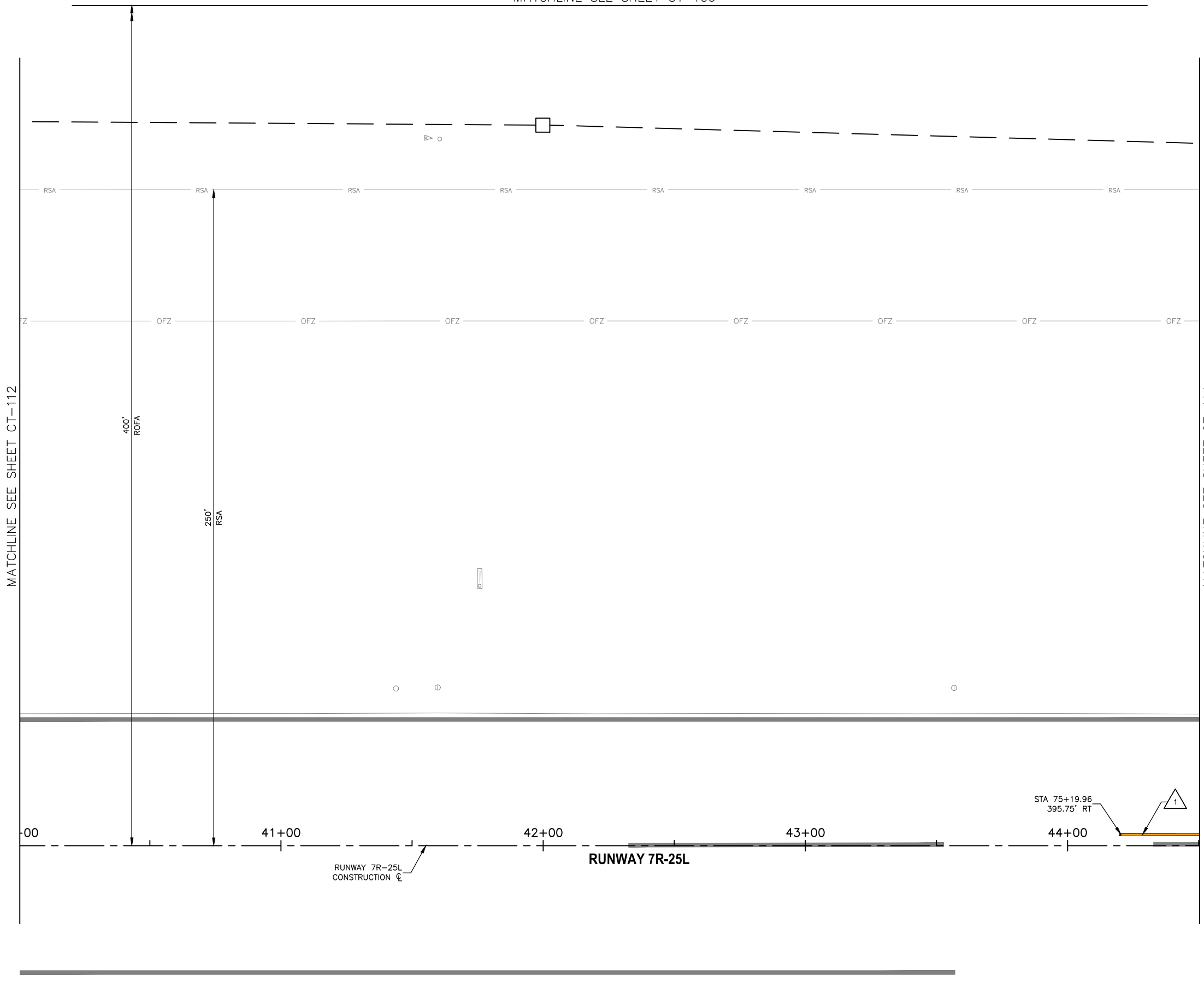
SHEET REFERENCE NUMBER:
CT-112
SHEET 56 OF 107

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NO	REVISIONS / SUBMISSIONS	DATE

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MATCHLINE SEE SHEET CT-106



PAVEMENT MARKING NOTES

1 PAINT TAXIWAY CENTERLINE MARKING PER DTL D1, SHEET CT-501 (P-620)

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NO	REVISIONS / SUBMISSIONS	DATE

REFERENCE NOTES

1. STATIONING IS BASED ON TWY B CONSTRUCTION @ UNLESS OTHERWISE NOTED.

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CONSTRUCT CONNECTORS
B6 AND B9 - GMP 1
AV31000092 FAA

Designed by: B. SALINE

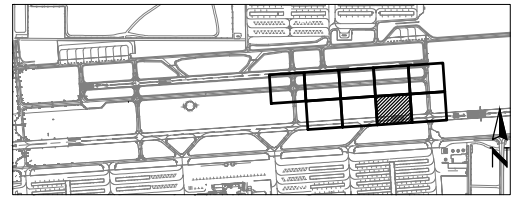
Drawn by: T. ROTH

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Date: 04/2023

Dwg scale: AS SHOWN

AIP NO.:3-04-0028-045-2023



KEY MAP



0 20' 40'
SCALE: 1" = 20'



SHEET OVERVIEW TITLE

AIRFIELD MARKING PLAN

SHEET REFERENCE NUMBER:

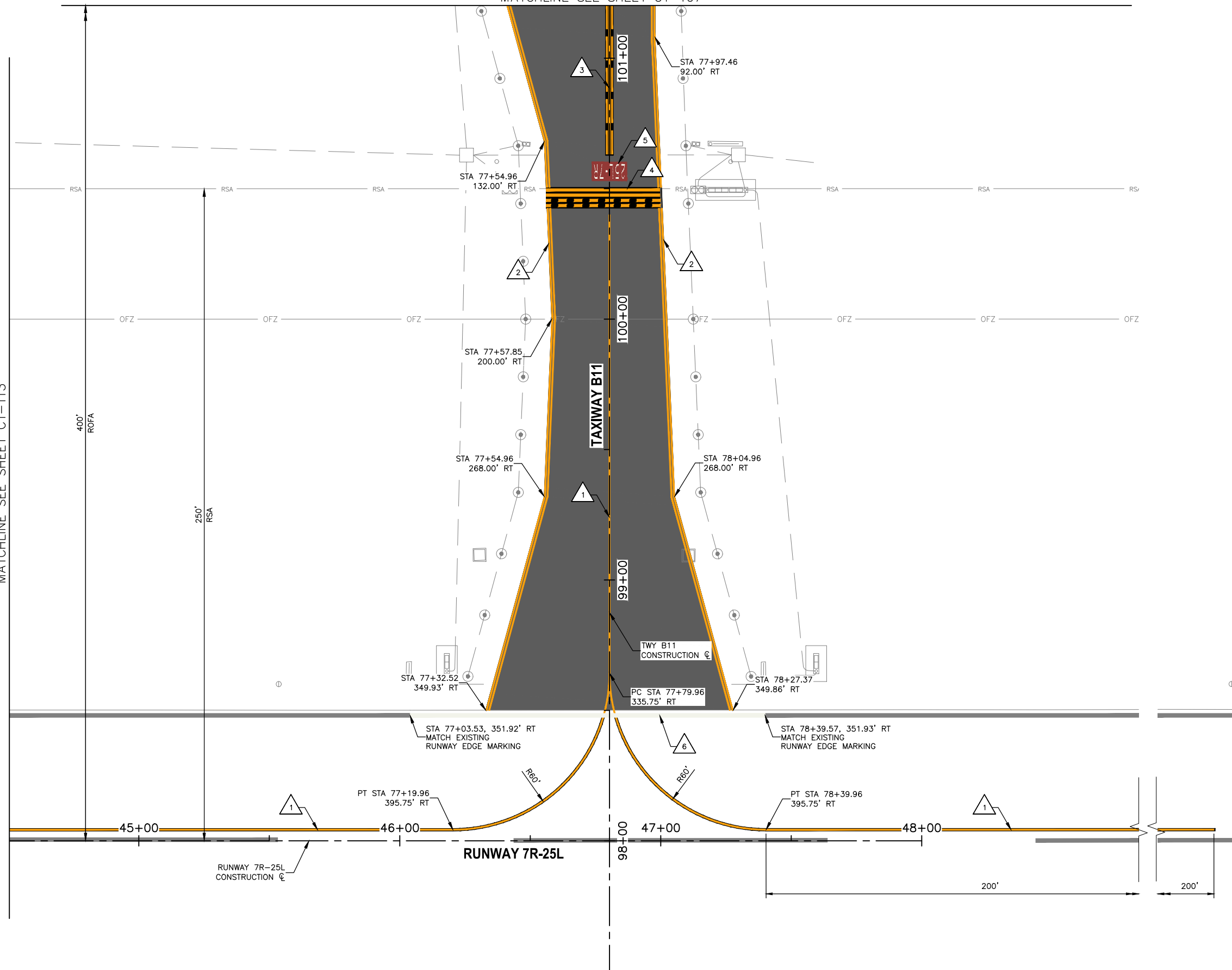
CT-113

SHEET 57 OF 107

N:\2019\190501 - DVI_Twy_B_Relocation\Drawn\GMP1\AV31000092-1-CT-114-GMP1.dwg - Apr_07_2023_4:07am

MATCHLINE SEE SHEET CT-113

MATCHLINE SEE SHEET CT-107



PAVEMENT MARKING NOTES

- 1 PAINT TAXIWAY CENTERLINE MARKING PER DTL D1, SHEET CT-501 (P-620)
- 2 PAINT TAXIWAY EDGE MARKING PER DTL D2, SHEET CT-501 (P-620)
- 3 PAINT ENHANCED TAXIWAY CENTERLINE MARKING PER DTL D3, SHEET CT-501 (P-620)
- 4 PAINT RUNWAY HOLDING POSITION MARKING PER DTL D4, SHEET CT-501 (P-620)
- 5 PAINT SURFACE PAINTED HOLDING POSITION SIGN PER DTL D5, SHEET CT-501 (P-620)
- 6 PAINT RUNWAY EDGE MARKING PER DTL D6, CT-501 (P-620)

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NO	REVISIONS / SUBMISSIONS	DATE

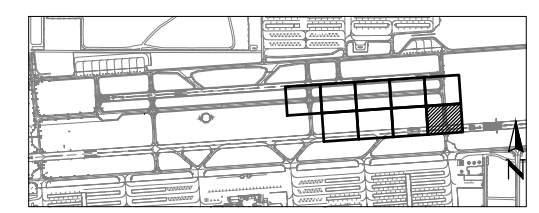
REFERENCE NOTES

- 1. STATIONING IS BASED ON TWY B CONSTRUCTION C UNLESS OTHERWISE NOTED.

PHX DVT BYB
 CITY OF PHOENIX AVIATION DEPARTMENT
 DEER VALLEY AIRPORT
 RELOCATE TAXIWAY BAND
 CONSTRUCT CONNECTORS
 B6 AND B9 - GMP 1
 AV31000092 FAA

Designed by: B. SALINE
 Drawn by: T. ROTH
 Checked by: C. JHAVERI
 Date: 04/2023
 Dwg scale: AS SHOWN

AIP NO.: 3-04-0028-045-2023



KEY MAP



0 20' 40'
 SCALE: 1" = 20'

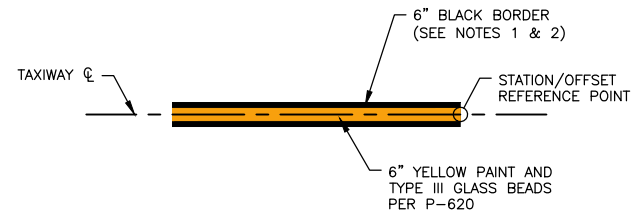


SHEET OVERVIEW TITLE

AIRFIELD MARKING PLAN

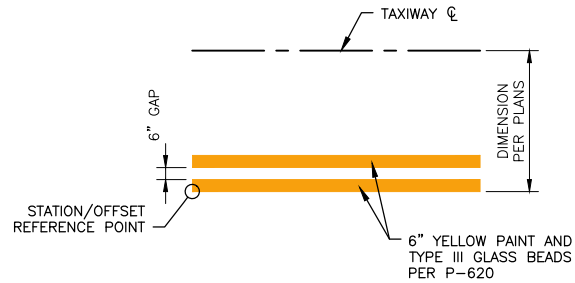
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CT-114

SHEET 58 OF 107



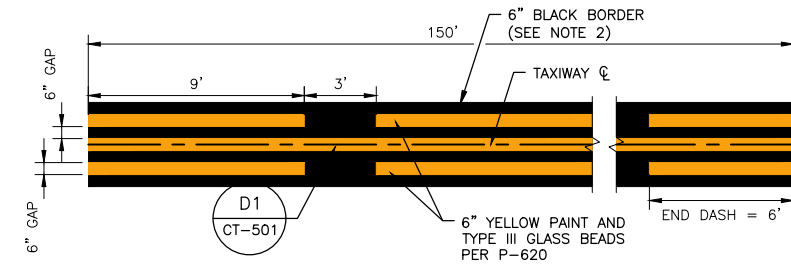
- NOTES:
1. BLACK BORDER NOT TO BE PAINTED FOR MARKINGS ON NEW ASPHALT
 2. NO GLASS BEADS SHALL BE APPLIED TO TEMPORARY PAVEMENT MARKINGS.
 3. APPLICATION RATE FOR TEMPORARY AND PERMANENT PAVEMENT MARKINGS SHALL BE PER P-620.

D1 TAXIWAY CENTERLINE MARKING
CT-501 NTS



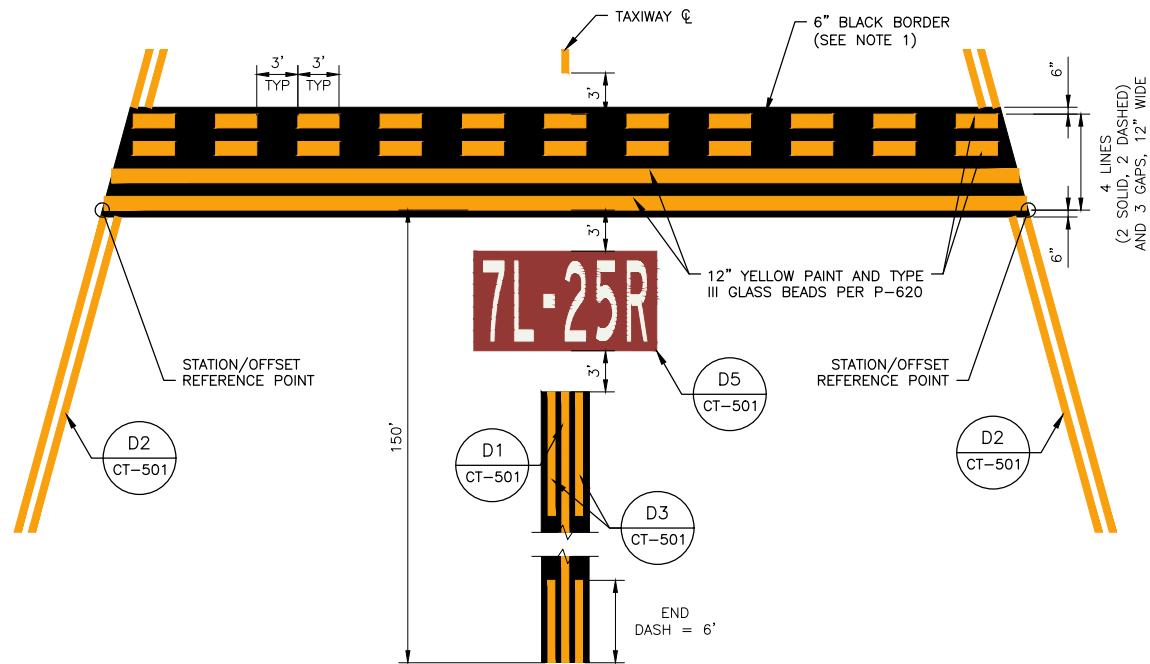
- NOTES:
1. BLACK BORDER NOT TO BE PAINTED FOR MARKINGS ON NEW ASPHALT
 2. NO GLASS BEADS SHALL BE APPLIED TO TEMPORARY PAVEMENT MARKINGS.
 3. APPLICATION RATE FOR TEMPORARY AND PERMANENT PAVEMENT MARKINGS SHALL BE PER P-620.

D2 CONTINUOUS TAXIWAY EDGE MARKING
CT-501 NTS



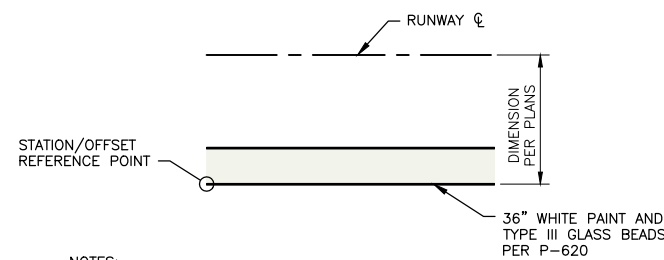
- NOTES:
1. ENHANCED TAXIWAY CENTERLINE MARKING DIMENSIONS TAKEN ALONG TAXIWAY CENTERLINE
 2. NO GLASS BEADS SHALL BE APPLIED TO TEMPORARY PAVEMENT MARKINGS.
 3. APPLICATION RATE FOR TEMPORARY AND PERMANENT PAVEMENT MARKINGS SHALL BE PER P-620.

D3 ENHANCED TAXIWAY CENTERLINE MARKING
CT-501 NTS



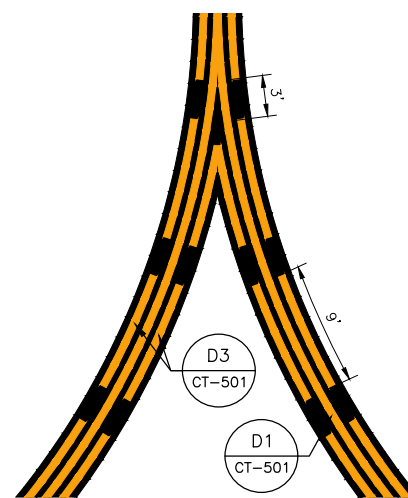
- NOTES:
1. NO GLASS BEADS SHALL BE APPLIED TO TEMPORARY PAVEMENT MARKINGS.
 2. APPLICATION RATE FOR TEMPORARY AND PERMANENT PAVEMENT MARKINGS SHALL BE PER P-620.

D4 RUNWAY HOLDING POSITION MARKING DIMENSIONS
CT-501 NTS



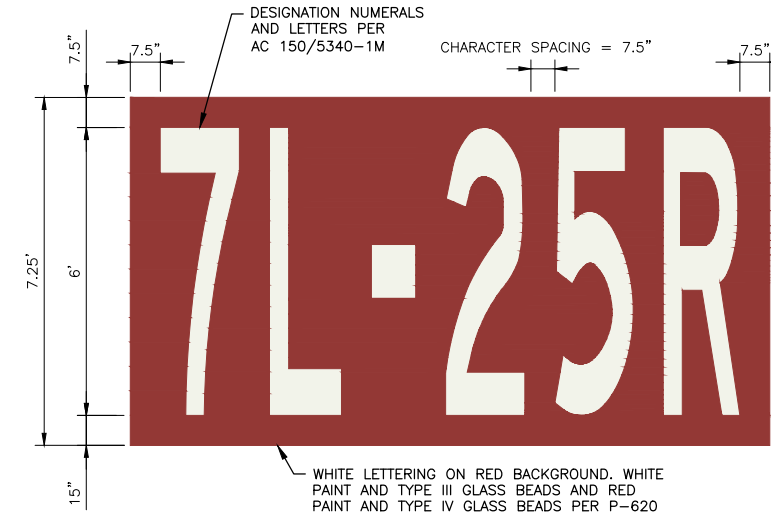
- NOTES:
1. NO GLASS BEADS SHALL BE APPLIED TO TEMPORARY PAVEMENT MARKINGS.
 2. APPLICATION RATE FOR TEMPORARY AND PERMANENT PAVEMENT MARKINGS SHALL BE PER P-620.

D6 RUNWAY EDGE MARKING
CT-501 NTS



- NOTES:
1. IF V-SHAPED INNER DASHES ARE LESS THAN 5 FEET THEY MAY BE OMITTED
 2. MEASUREMENTS ARE TAKEN ALONG THE CENTER OF THE CENTERLINE STRIPE

D7 DASHED LINES AT CONVERGING TAXIWAY CENTERLINES
CT-501 NTS



- NOTES:
1. 7L-25R SIGN SHOWN FOR REFERENCE, SEE MARKING PLANS FOR INSCRIPTIONS AND LOCATIONS
 2. BLACK BORDER NOT TO BE PAINTED FOR MARKINGS ON NEW ASPHALT
 3. NO GLASS BEADS SHALL BE APPLIED TO TEMPORARY PAVEMENT MARKINGS.
 4. APPLICATION RATE FOR TEMPORARY AND PERMANENT PAVEMENT MARKINGS SHALL BE PER P-620.

D5 SURFACE PAINTED HOLDING POSITION SIGN
CT-501 NTS

GENERAL NOTES

1. FINAL MARKING SHALL ALIGN WITH EXISTING MARKING AT EDGE OF NEW PAVEMENT.
2. LETTERING FOR SURFACE PAINTED HOLDING POSITION SIGNS SHALL BE IN ACCORDANCE WITH U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL AVIATION ADMINISTRATION ADVISORY CIRCULAR NO. 150/5340-1M, APPENDIX B.
3. ALL MARKINGS ARE SUBJECT TO FINAL APPROVAL BY AIRPORT OPERATIONS.
4. PAINT CONTRACTOR TO UTILIZE THE PROVIDED DVT PAINT STENCILS FOR INSTALLATION OF PAVEMENT MARKINGS.
5. OBLITERATE EXISTING PAVEMENT MARKINGS IN CONFLICT WITH THE PROPOSED PAVEMENT MARKING LAYOUT AND CLEARANCES.

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
RELOCATE TAXIWAY BAND
CONSTRUCT CONNECTORS
B6 AND B9 - GMP 1
AV31000092 FAA

Designed by: B. SALINE
Drawn by: T. ROTH
Checked by: C. JHAVERI
Date: 04/2023
Dwg scale: NTS

AIP NO.:3-04-0028-045-2023

SHEET OVERVIEW TITLE


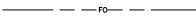











AIRFIELD MARKING DETAILS

SHEET REFERENCE NUMBER:
CT-501
SHEET 59 OF 107

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ELECTRICAL LEGEND:

(UNLESS OTHERWISE NOTED ON PLANS)

-  EXISTING ELECTRICAL CONDUIT AND CONDUCTOR
-  EXISTING FIBER OPTIC DUCTBANK
-  PVC W/#8-5KV L-824 TYPE "C" CABLE PER INDICATED LIGHTING CIRCUIT. (QUANTITY AND SIZE AS INDICATED ON PLAN SHEETS)
-  CONCRETE ENCASED CONDUIT/DUCTBANK
-  EXISTING TAXIWAY EDGE LIGHT
-  EXISTING RUNWAY EDGE LIGHT
-  EXISTING JUNCTION CAN
-  EXISTING RUNWAY END IDENTIFIER LIGHT
-  EXISTING AIRFIELD GUIDANCE SIGN
-  EXISTING ELECTRICAL HANDHOLE
-  EXISTING RUNWAY GUARD LIGHT
-  NEW AIRFIELD GUIDANCE SIGN WITH ASPHALT MAINTENANCE PAD
-  NEW ELECTRICAL HANDHOLE
-  NEW L-861T(L) LED TAXIWAY EDGE LIGHT
-  NEW OR SALVAGED L-804(L) LED ELEVATED RUNWAY GUARD LIGHT
-  NEW L-853 RETROREFLECTIVE TAXIWAY EDGE MARKER
-  NEW L-867B (12" DIA) JUNCTION CAN
-  NEW L-867 LIGHT BASE CAN WITH COVER

ADVISORY CIRCULARS FOR AIRPORT PROJECTS (MOST RECENT VERSION):

- 150/5340-18 STANDARDS FOR AIRPORT SIGN SYSTEMS
- 150/5340-30 DESIGN & INSTALLATION DETAILS FOR AIRPORT VISUAL AIDS
- 150/5345-7 SPECIFICATION FOR L-824 UNDERGROUND ELECTRICAL CABLE FOR AIRPORT LIGHTING CIRCUITS
- 150/5345-26 SPECIFICATION FOR L-823 PLUG AND RECEPTACLE, CABLE CONNECTORS
- 150/5345-42 SPECIFICATION FOR AIRPORT LIGHT BASES, TRANSFORMER HOUSINGS, JUNCTION BOXES, AND ACCESSORIES
- 150/5345-44 SPECIFICATION FOR RUNWAY AND TAXIWAY SIGNS
- 150/5345-46 SPECIFICATION FOR RUNWAY AND TAXIWAY LIGHT FIXTURES
- 150/5345-47 SPECIFICATION FOR SERIES TO SERIES ISOLATION TRANSFORMERS FOR AIRPORT LIGHTING SYSTEMS
- 150/5345-53 AIRPORT LIGHTING EQUIPMENT CERTIFICATION PROGRAM
- 150/5370-2 OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION
- 150/5370-10 STANDARDS FOR SPECIFYING CONSTRUCTION OF AIRPORTS
- ADDENDUM AIRPORT LIGHTING EQUIPMENT CERTIFICATION PROGRAM (PUBLISHED MONTHLY AND LISTING APPROVED SUPPLIERS)

ELECTRICAL ABBREVIATIONS:

- ALCMS AIRFIELD LIGHTING CONTROL AND MONITORING SYSTEM
- APS ARIZONA PUBLIC SERVICE
- BCC BARE COPPER GROUND
- CCR CONSTANT CURRENT REGULATOR
- CE CONCRETE ENCASED
- CKT CIRCUIT
- DCME DIGITAL CONTROL MONITORING EQUIPMENT
- FAA FEDERAL AVIATION ADMINISTRATION
- GND GROUND
- GRS GALVANIZED RIGID STEEL
- HDPE HIGH DENSITY POLYETHYLENE
- KW KILOWATT
- LED LIGHT EMITTING DIODE
- LF LINEAR FEET
- NPI NON-PAY ITEM
- PAPI PRECISION APPROACH PATH INDICATOR
- PVC POLY-VINYL CHLORIDE
- REIL RUNWAY END IDENTIFIER LIGHT
- RGL RUNWAY GUARD LIGHT
- RVCN REDUNDANT VAULT COMMUNICATIONS NETWORK
- SE SLURRY ENCASED
- SGN SIGN
- TYP TYPICAL
- UPS UNINTERRUPTIBLE POWER SUPPLY

ELECTRICAL SHEET INDEX

- EA-001 ELECTRICAL LEGEND, ABBREVIATIONS, AND SHEET INDEX
- EA-002 ELECTRICAL NOTES
- ED-101 - ED-116 AIRFIELD ELECTRICAL DEMOLITION PLANS
- EA-101 - EA-116 AIRFIELD LIGHTING AND ELECTRICAL PLANS
- EA-501 ELECTRICAL DETAILS - CONDUIT DUCTBANKS AND DUCT MARKER
- EA-502 ELECTRICAL DETAILS - COUNTERPOISE AND GROUNDING
- EA-503 ELECTRICAL DETAILS - 4'x4'x4' HANDHOLE
- EA-504 ELECTRICAL DETAILS - 4'x4'x5' HANDHOLE
- EA-505 ELECTRICAL DETAILS - JUNCTION CAN
- EA-506 ELECTRICAL DETAILS - NEW CAST-IN-PLACE CONCRETE BASE FOR AIRFIELD GUIDANCE SIGN
- EA-507 ELECTRICAL DETAILS - NEW CAST-IN-PLACE CONCRETE BASE FOR MULTIPLE-SECTIONED AIRFIELD GUIDANCE SIGN
- EA-508 ELECTRICAL DETAILS - L-858 AIRFIELD GUIDANCE SIGN AND 5KV CABLE SPLICE
- EA-509 ELECTRICAL DETAILS - ELEVATED TAXIWAY EDGE LIGHT
- EA-510 ELECTRICAL DETAILS - RUNWAY GUARD LIGHT
- EA-601 AIRFIELD GUIDANCE SIGN SCHEDULES
- EA-602 - EA-604 EQUIPMENT DATA TABLES

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 DEER VALLEY AIRPORT
 RELOCATE TAXIWAY B AND
 CONSTRUCT CONNECTORS
 B6 AND B9 - GMP 1
 AV31000092 FAA

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 04/05/2023
Dwg scale: NTS

AP NO.:3-04-0028-045-2023

SHEET OVERVIEW TITLE
ELECTRICAL LEGEND, ABBREVIATIONS, AND SHEET INDEX

SHEET REFERENCE NUMBER:
EA-001
 SHEET 60 OF 107

G:\PROJECTS\19000\19006 DVT Relocate Tax B & Construct High Speed Connectors\CAD\CAD SHEETS\19006 FA-001.dwg - Apr 05 2023 8:48am

Q:\PROJECTS\19000\19006 DVT Relocate_Tax_B_& Construct_High_Speed_Connectors_CAD\CAD_SHEETS\19006_PA-002.dwg - Apr 05/2023 8:51am

ELECTRICAL DEMOLITION GENERAL NOTES

- WITHIN AREAS OF DEMOLITION AND AS OTHERWISE SHOWN, REMOVE IDENTIFIED SIGN BASES, ISOLATION TRANSFORMERS AND OTHER INDICATED ITEMS.
- CABLE REMOVAL**
 - DIRECT BURIAL:** REMOVE FROM WITHIN MANHOLES AND HANDHOLES AND REMOVE IN AREAS WHERE EXCAVATION REQUIRES DISTURBING, ABANDON ELSEWHERE.
 - IN CONDUIT:** REMOVE COMPLETELY BETWEEN NEAREST BASES, HANDHOLES OR MANHOLES.
- AT INDICATED DEVICES TO BE REMOVED OR IN DEMOLITION AREAS INDICATED, REMOVE ALL CONDUCTORS BACK TO NEAREST MANHOLE OR HANDHOLE OUTSIDE DEMOLITION AREA.
- SIGNS AND/OR SIGN BASES, CABLES, CONDUITS, DUCTS, ETC. WHICH ARE NOT SPECIFICALLY INDICATED TO BE REMOVED (OR WHICH ARE SHOWN TO REMAIN WITHIN AREAS OF GENERAL DEMOLITION) SHALL REMAIN IN-PLACE AND FUNCTIONAL.
- CONTRACTOR SHALL VERIFY EQUIPMENT AND CABLE DESIGNATIONS AND STATUS PRIOR TO REMOVAL OR DISCONNECTING.
- UNLESS OTHERWISE NOTED, ALL REMOVED MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE LOCAL ORDINANCES. REMOVED LIGHT FIXTURE AND SIGNS NOT DESIGNATED FOR RE-INSTALLATION SHALL BE OFFERED TO AIRPORT FOR RETURN UNLESS OTHERWISE NOTED.
- DRAWINGS MAY NOT DETAIL ALL EXISTING FACILITIES IN AREAS OF DEMOLITION. CONTRACTOR SHALL REVIEW THE SITE AND RECORD DRAWINGS TO VERIFY THE DEMOLITION EFFORT INVOLVED.
- EXISTING SIGNS MUST REMAIN OPERATIONAL DURING CONSTRUCTION. TEMPORARY CONNECTIONS TO EXISTING SIGNS REQUIRED DURING RELOCATION. TEMPORARY MOUNTING OF EXISTING SIGNS REQUIRED WHERE NEW LOCATION CONFLICTS WITH EXISTING LOCATION.

AIRFIELD LIGHT LOCKOUT/TAGOUT POLICY

THE PURPOSE OF THIS POLICY IS TO STANDARDIZE THE LOCKOUT/TAGOUT PROCEDURES BETWEEN ELECTRICAL CONTRACTORS, DEER VALLEY ELECTRICIANS, OPERATIONS AND AIR TRAFFIC CONTROL TOWER (ATCT).

- DEER VALLEY ELECTRICIANS RESPONDING TO A LOCK-OUT/TAG-OUT REQUEST WILL COORDINATE WITH THE ATCT THROUGH OPERATIONS.
- AFTER OPERATIONS NOTIFIES ELECTRICIANS OF CLOSURES, THE DEER VALLEY ELECTRICIANS WILL TURN OFF THE CLOSED RUNWAYS/TAXIWAYS USING THE AIRFIELD COMPUTER SYSTEM.
- THE CONTRACTOR WILL SUPPLY AN APPROVED BREAKER-LOCKING DEVICE AND LOCK, THEN LOCK OF THE INDIVIDUAL BREAKERS FOR THE CIRCUITS TO BE LOCKED OUT. THESE ITEMS WILL REMAIN IN THE VAULTS IN A LOCK BOX PROVIDED BY DEER VALLEY ELECTRICAL SECTION.
- DEER VALLEY ELECTRIC SECTION WILL LOCK THE PANEL DOORS SHUT WITH A HASP AND AN ELECTRICAL SECTION LOCK.
- THE S-1 CUTOUTS WILL BE PULLED, LOCKED AND PLACED ON THE CORRESPONDING REGULATOR BY THE ELECTRICAL CONTRACTOR.
- THE ELECTRICAL CONTRACTOR AND DEER VALLEY ELECTRICIANS MUST FILL OUT LOCK-OUT FORMS BEFORE LEAVING THE VAULT.
- UPON COMPLETION OF THE LOCKOUT, THE CONTRACTOR WILL REMOVE ALL LOCKS AND INSTALL THE S-1 CUTOUTS. ALL CIRCUITS MUST BE VERIFIED OPERATIONAL IN THE MANUAL MODE ON THE REGULATOR. OPERATIONS WILL PERFORM A COMPLETE CHECK OF THE LIGHTS IN THE FIELD, TO VERIFY ACTUAL OPERATION.
- WHEN THAT HAS BEEN COMPLETED, DEER VALLEY ELECTRICIANS WILL NOTIFY OPERATIONS WHEN LOCK-IN IS COMPLETE AND REGULATORS ARE IN REMOTE CONTROL; OPERATIONS WILL NOTIFY THE ATCT THAT HAVE CONTROL OF THE AIRFIELD LIGHTING.
- COMPLETE LOCK-OUT/LOCK-IN FORMS.

*THIS PROCEDURAL CHECKLIST MUST BE FOLLOWED TO THE LETTER.

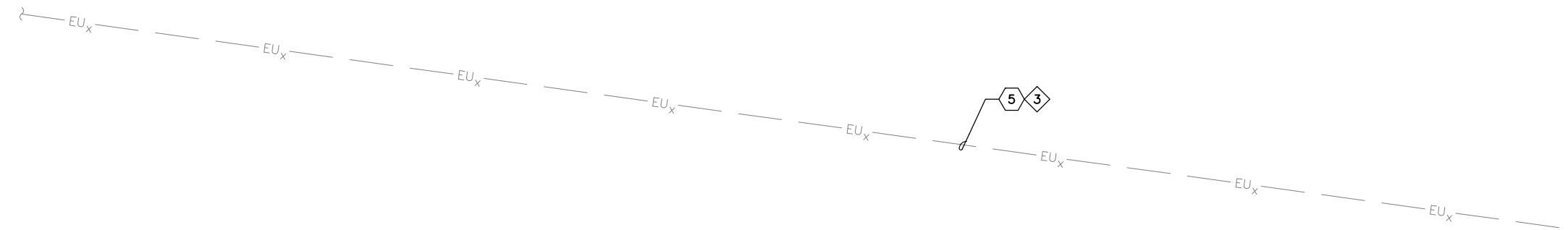
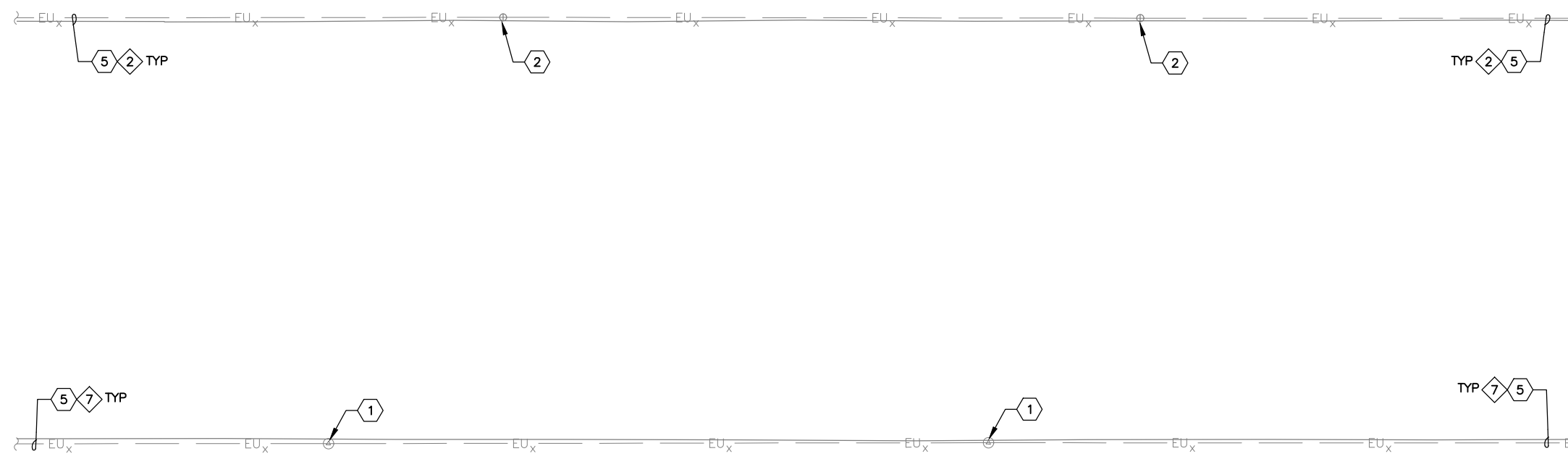
ELECTRICAL CONSTRUCTION PHASING NOTES

- CONTRACTOR SHALL COORDINATE ALL WORK WITH AIRPORT MAINTENANCE, AIRPORT OPERATIONS, AND THE ENGINEER AS NECESSARY.
- CONTRACTOR SHALL GIVE 48 HOURS NOTICE PRIOR TO WORKING ON OR AROUND ANY DUCTBANKS, HANDHOLES, ETC.
- CONTRACTOR SHALL MAINTAIN OR HAVE SUFFICIENT MATERIAL/EQUIPMENT REQUIRED TO PROVIDE TEMPORARY LIGHTING AND CIRCUIT EXTENSIONS. THIS INCLUDES, BUT IS NOT LIMITED TO FIXTURES, TRANSFORMERS, BASES, CONDUIT, L-824 CABLE & L-823 SPLICE KITS. THESE ITEMS WILL NOT BE AVAILABLE FROM DVA MAINTENANCE SHOP.
- THE CONTRACTOR SHALL MAINTAIN QUALIFIED PERSONNEL WITH THE APPROPRIATE EQUIPMENT, FOR THE INSTALLATION AND SPLICING OF AIRFIELD LIGHTING. SUCH PERSONNEL SHALL BE CAPABLE OF 60 MINUTE RESPONSE TIME IF THEY ARE NOT ALREADY PRESENT ON THE AIRFIELD.
- TURN OFF AND COVER EXISTING SIGNAGE THAT MAY POTENTIALLY MISDIRECT AIRCRAFT MOVEMENT INTO CLOSED AREAS BARRICADED FOR CONSTRUCTION. SIGNAGE REQUIRING PARTIAL COVERAGE WITH TAXIWAY LOCATION PANELS REMAINING VISIBLE SHALL REMAIN ON WITH ONLY DIRECTIONAL PORTIONS COVERED WITH SECTIONS OF DARK COLORED TARP OR DOUBLE-LAYERED BURLAP THAT DOES NOT PERMIT VISIBILITY OF COVERED PORTION OF ARRAY DAY OR NIGHT. COVERS SHALL BE SECURELY HELD IN PLACE BY RATCHETING LASHING STRAPS, NO TAPE OR ADHESIVES WILL BE PERMITTED. SEE PHASING PLANS FOR PLACEMENT OF SIGN COVERS.
- COVER EXISTING ELEVATED EDGE LIGHT FIXTURES IN CLOSED AREA BARRICADED FOR CONSTRUCTION WITH 4" PVC PIPE. COVER SHALL EXTEND 2" MIN. ABOVE TOP OF FIXTURE.
- PROVIDE ANY TEMPORARY AIRFIELD CIRCUIT JUMPERS REQUIRED TO MAINTAIN OPERATION OF ALL CIRCUITS AFFECTED BY CONSTRUCTION PRIOR TO START OF DEMOLITION. TEMPORARY CIRCUIT JUMPERS SHALL BE SLEEVED IN 2" CONDUIT, SANDBAGGED OR SECURED TO LOW-LEVEL BARRICADES. TEMPORARY CIRCUIT JUMPERS MAY BE ROUTED THROUGH NEW TAXIWAY CROSSINGS OR EXISTING SPARE CONDUITS AS REQUIRED AND SHALL BE COMPLETELY REMOVED WHEN NO LONGER REQUIRED FOR OPERATION. TEMPORARY JUMPER PLACEMENT SHALL NOT AFFECT AIRCRAFT MOVEMENT OR AIRPORT OPERATIONS.
- UNCOVER SIGNS AND EDGE LIGHT FIXTURES, REMOVE TEMPORARY JUMPERS, AND VERIFY OPERATION AT THE END OF PROJECT.

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CITY OF PHOENIX AVIATION DEPARTMENT DEER VALLEY AIRPORT RELOCATE TAXIWAY B AND CONSTRUCT CONNECTORS B6 AND B9 - GMP 1 AV31000092 FAA				
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NO				

MATCHLINE - SEE SHEET ED-115

EXISTING RUNWAY 7L-25R



MATCHLINE - SEE SHEET ED-102



* NO ELECTRICAL DEMOLITION WORK SHOWN ON THIS SHEET - PROVIDED FOR REFERENCE ONLY.

REFERENCE NOTES

- 1 EXISTING TAXIWAY EDGE LIGHT TO REMAIN - PROTECT IN PLACE
- 2 EXISTING RUNWAY EDGE LIGHT TO REMAIN - PROTECT IN PLACE
- 5 EXISTING CONDUIT AND CONDUCTOR TO REMAIN - PROTECT IN PLACE

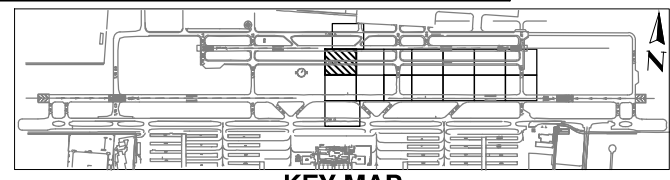
CIRCUIT IDENTIFICATION

- 2 RW 7L/25R
- 3 RGL 7R
- 7 TAXIWAY B WEST

GENERAL NOTES

- 1. COORDINATE WITH AIRPORT FOR LOCKOUT-TAGOUT OF AFFECTED CIRCUIT(S)
- 2. INSTALL TEMPORARY AIRFIELD CIRCUIT JUMPER TO MAINTAIN OPERATION OF CIRCUIT(S)

MATCHLINE - SEE SHEET ED-108



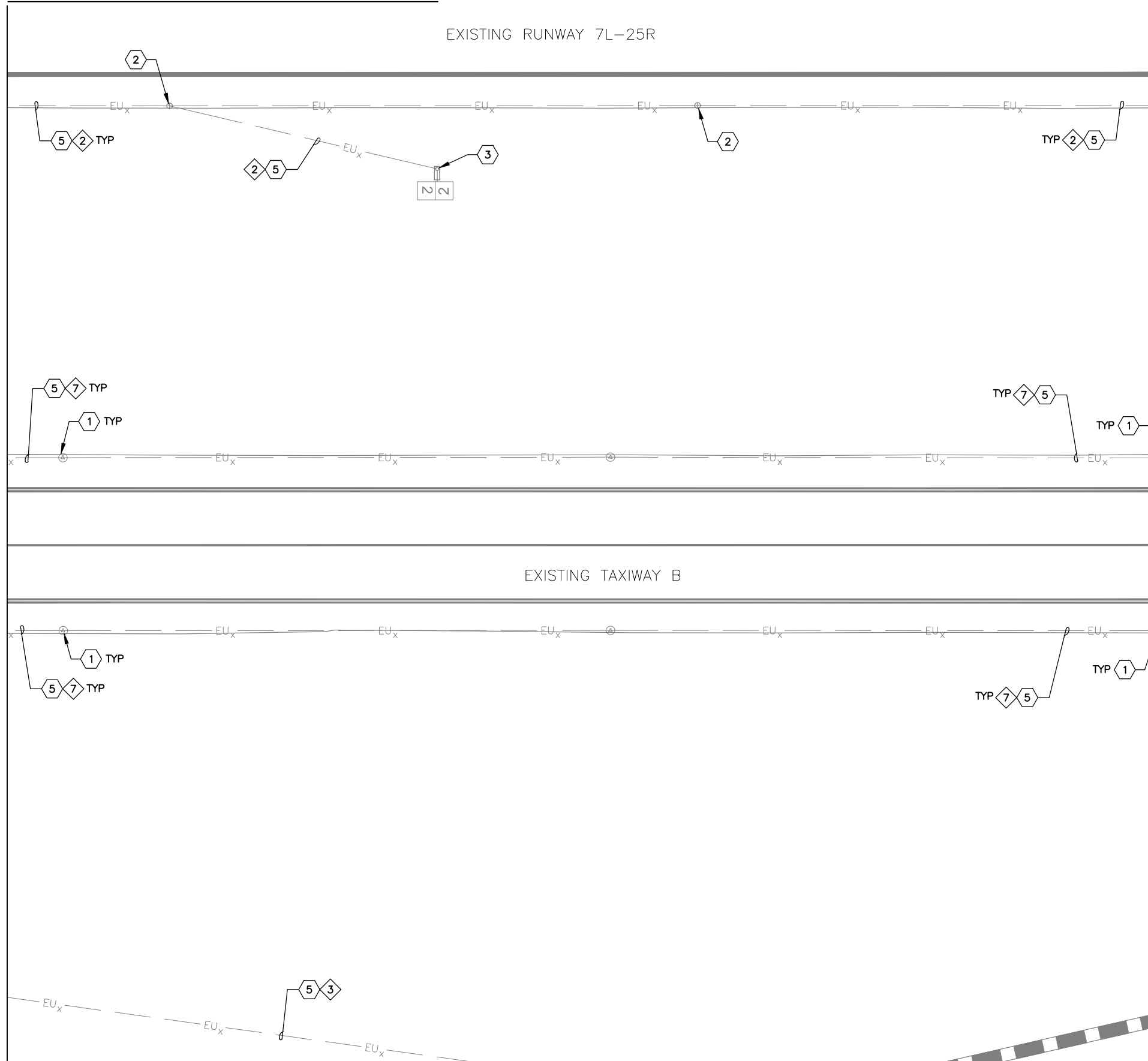
KEY MAP

<p>TRAGE CONSULTING 16719 East Palisades Blvd., Suite 202 Fountain Hills, AZ 85268 Phone: (480) 816-5541 Fax: (480) 816-5540 www.trage.com</p>	<p>PRIME CONSULTANT</p>	<p>90% SUBMITTAL PRELIMINARY FOR CONSTRUCTION</p>	<p>PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-2-28, THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF CONTRACTOR'S CONTRACT WITH THE CITY OF PHOENIX.</p>	<p>DATE</p>
<p>PHX DVT BYR CITY OF PHOENIX AVIATION DEPARTMENT DEER VALLEY AIRPORT RELOCATE TAXIWAY B AND CONSTRUCT CONNECTORS B6 AND B9 - GMP 1 AV31000092 FAA</p>				
<p>Designed by: SW Drawn by: JBW Checked by: CA Date: 04/05/2023 Dwg scale: 1" = 20'</p>				
<p>AIRFIELD ELECTRICAL DEMOLITION PLAN</p>				
<p>SHEET REFERENCE NUMBER: ED-101</p>				
<p>SHEET 62 OF 107</p>				

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MATCHLINE - SEE SHEET ED-115

EXISTING RUNWAY 7L-25R



* NO ELECTRICAL DEMOLITION WORK SHOWN ON THIS SHEET - PROVIDED FOR REFERENCE ONLY.

REFERENCE NOTES

- 1 EXISTING TAXIWAY EDGE LIGHT TO REMAIN - PROTECT IN PLACE
- 2 EXISTING RUNWAY EDGE LIGHT TO REMAIN - PROTECT IN PLACE
- 3 EXISTING AIRFIELD GUIDANCE SIGN TO REMAIN - PROTECT IN PLACE
- 5 EXISTING CONDUIT AND CONDUCTOR TO REMAIN - PROTECT IN PLACE

CIRCUIT IDENTIFICATION

- 2 RW 7L/25R
- 3 RGL 7R
- 7 TAXIWAY B WEST

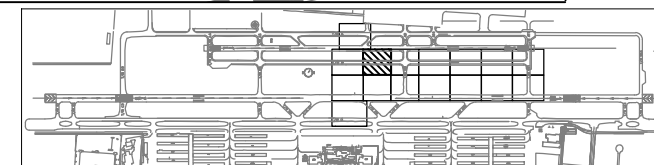
MATCHLINE - SEE SHEET ED-101

MATCHLINE - SEE SHEET ED-103

GENERAL NOTES

1. COORDINATE WITH AIRPORT FOR LOCKOUT-TAGOUT OF AFFECTED CIRCUIT(S)
2. INSTALL TEMPORARY AIRFIELD CIRCUIT JUMPER TO MAINTAIN OPERATION OF CIRCUIT(S)

MATCHLINE - SEE SHEET ED-109



KEY MAP

SHEET OVERVIEW TITLE

AIRFIELD ELECTRICAL
DEMOLITION PLAN

SHEET REFERENCE NUMBER:
ED-102

SHEET 63 OF 107

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 04/05/2023
Dwg scale: 1" = 20'

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**DEER VALLEY AIRPORT
RELOCATE TAXIWAY B AND
CONSTRUCT CONNECTORS
B6 AND B9 - GMP 1**
AV31000092 FAA

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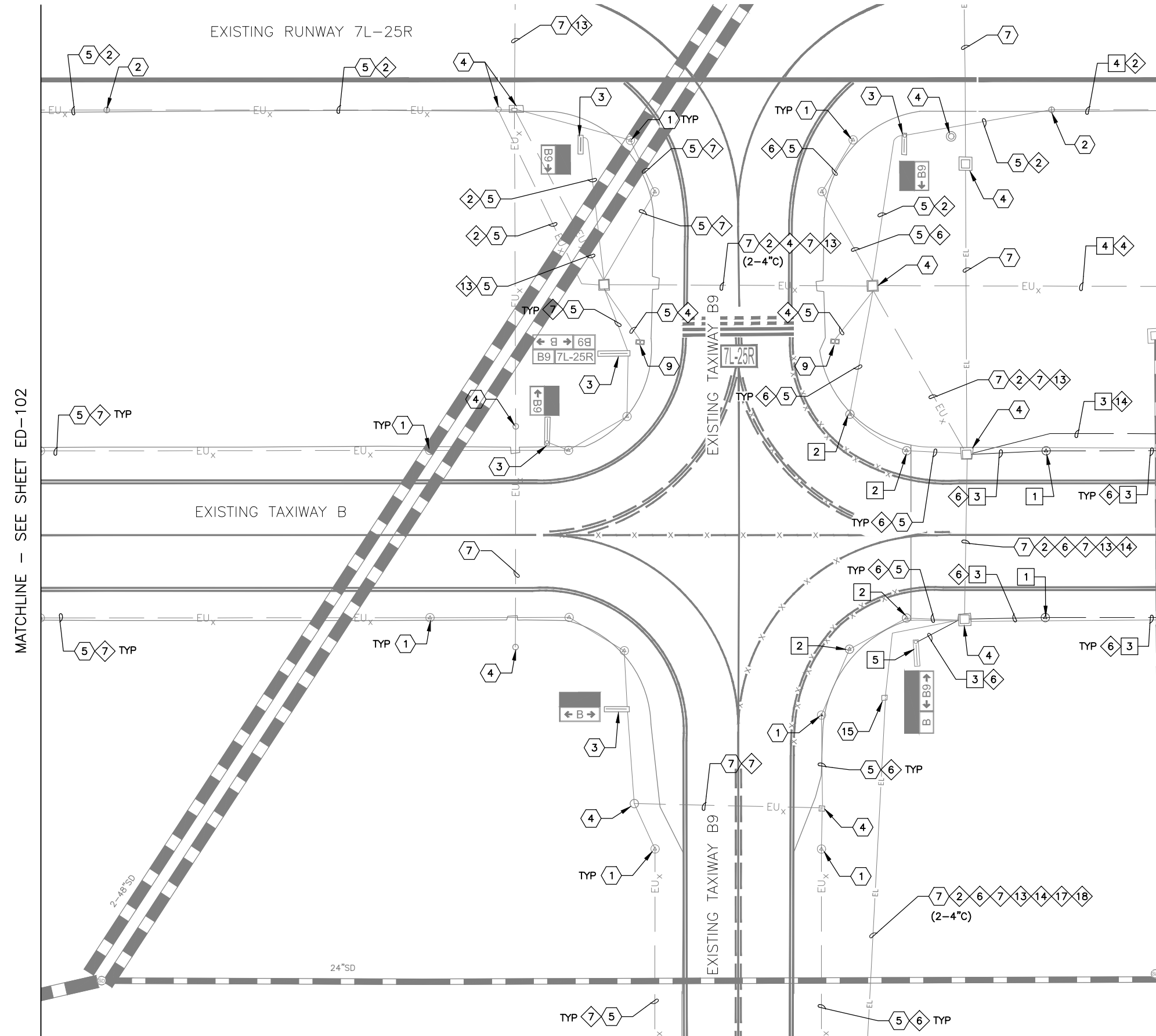
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NO	REVISIONS / SUBMISSIONS	DATE

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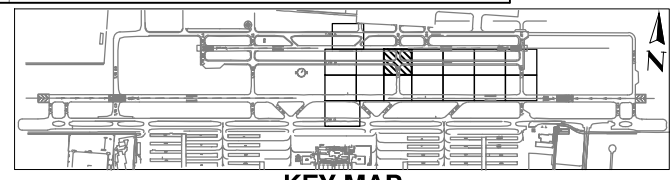
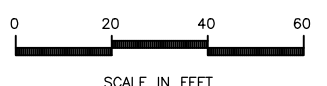
MATCHLINE - SEE SHEET ED-102

MATCHLINE - SEE SHEET ED-104

GENERAL NOTES

1. COORDINATE WITH AIRPORT FOR LOCKOUT-TAGOUT OF AFFECTED CIRCUIT(S)
2. INSTALL TEMPORARY AIRFIELD CIRCUIT JUMPER TO MAINTAIN OPERATION OF CIRCUIT(S)

MATCHLINE - SEE SHEET ED-110



DEMOLITION NOTES

- 1 REMOVE AND SALVAGE EXISTING TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER - REMOVE BASE CAN (2 TOTAL)
- 2 REMOVE AND SALVAGE EXISTING EDGE LIGHT AND ISOLATION TRANSFORMER - BASE CAN TO REMAIN (4 TOTAL)
- 3 EXCAVATE AND REMOVE EXISTING CONDUIT AND CONDUCTOR (338 LF TOTAL)
- 4 REMOVE EXISTING CONDUCTOR - CONDUIT TO REMAIN (137 LF TOTAL)
- 5 REMOVE AND SALVAGE EXISTING AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER - REMOVE SIGN BASE (1 TOTAL)

REFERENCE NOTES

- 1 EXISTING TAXIWAY EDGE LIGHT TO REMAIN - PROTECT IN PLACE
- 2 EXISTING RUNWAY EDGE LIGHT TO REMAIN - PROTECT IN PLACE
- 3 EXISTING AIRFIELD GUIDANCE SIGN TO REMAIN - PROTECT IN PLACE
- 4 EXISTING HANDHOLE OR JUNCTION CAN TO REMAIN - PROTECT IN PLACE
- 5 EXISTING CONDUIT AND CONDUCTOR TO REMAIN - PROTECT IN PLACE
- 7 EXISTING DUCTBANK - PROTECT IN PLACE
- 8 APPROXIMATE SPLICE POINT OF CONDUIT AND COUNTERPOISE
- 9 EXISTING ELEVATED RGL FIXTURE TO REMAIN - PROTECT IN PLACE
- 15 EXISTING DUCT MARKER TO REMAIN - PROTECT IN PLACE

CIRCUIT IDENTIFICATION

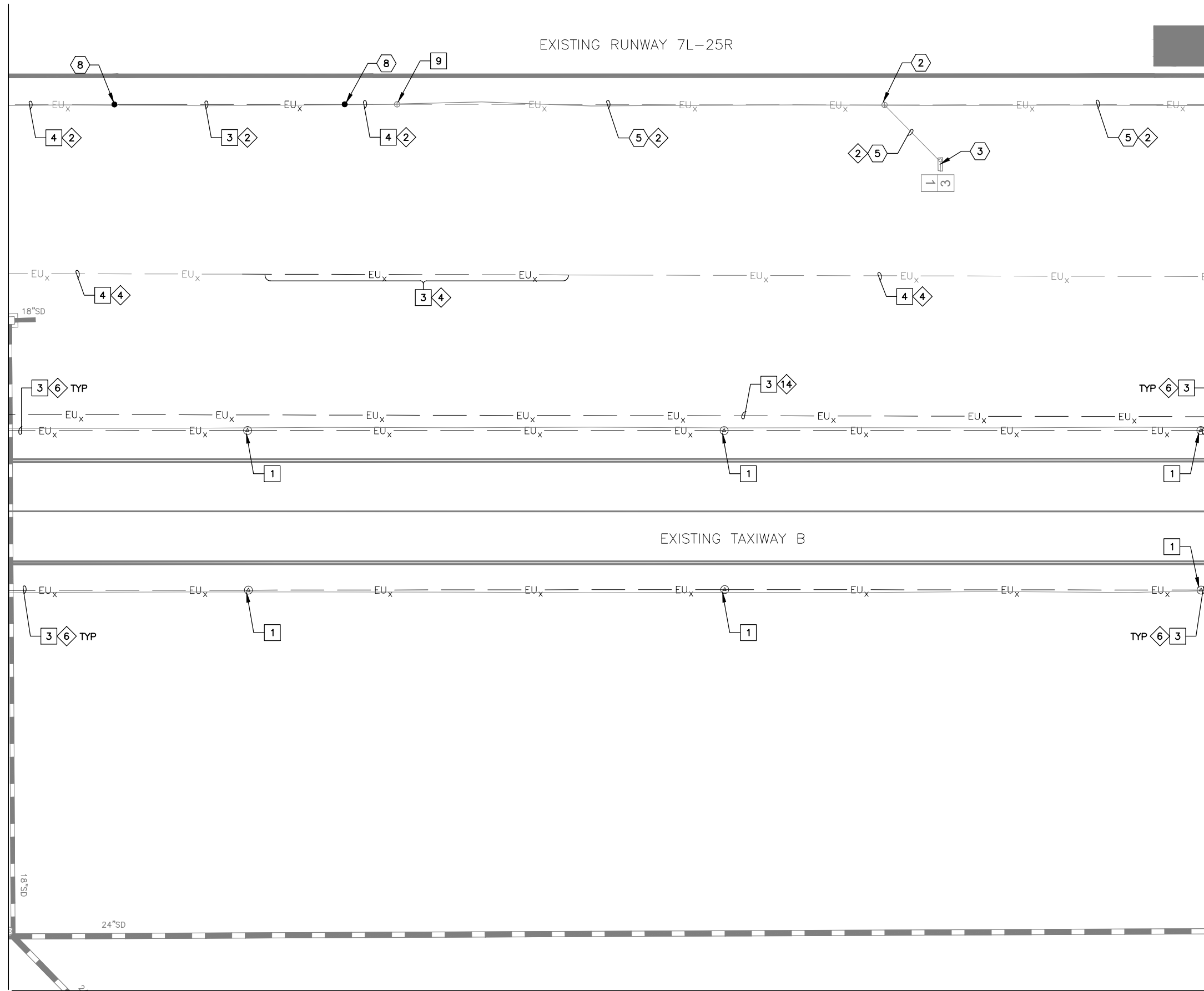
- 2 RW 7L/25R
- 4 RGL 7L
- 6 TAXIWAY B EAST
- 7 TAXIWAY B WEST
- 13 PAPI 7L
- 14 PAPI 25R
- 17 REIL 7L
- 18 REIL 25R

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Designed by: SW Drawn by: JBW Checked by: CA Date: 04/05/2023 Dwg scale: 1" = 20'	SHEET OVERVIEW TITLE AIRFIELD ELECTRICAL DEMOLITION PLAN	SHEET REFERENCE NUMBER: ED-103	AIP NO.:3-04-0028-045-2023 SHEET 64 OF 107

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MATCHLINE - SEE SHEET ED-103

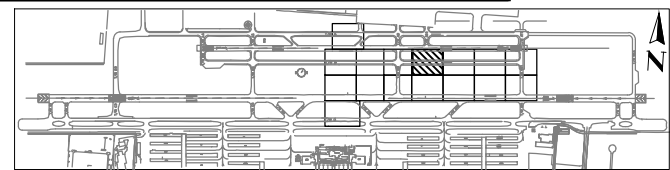
MATCHLINE - SEE SHEET ED-105



GENERAL NOTES

1. COORDINATE WITH AIRPORT FOR LOCKOUT-TAGOUT OF AFFECTED CIRCUIT(S)
2. INSTALL TEMPORARY AIRFIELD CIRCUIT JUMPER TO MAINTAIN OPERATION OF CIRCUIT(S)

MATCHLINE - SEE SHEET ED-111



KEY MAP

DEMOLITION NOTES

- 1 REMOVE AND SALVAGE EXISTING TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER - REMOVE BASE CAN (6 TOTAL)
- 3 EXCAVATE AND REMOVE EXISTING CONDUIT AND CONDUCTOR (1890 LF TOTAL)
- 4 REMOVE EXISTING CONDUCTOR - CONDUIT TO REMAIN (65 LF TOTAL)
- 9 REMOVE AND SALVAGE EXISTING RUNWAY EDGE LIGHT AND ISOLATION TRANSFORMER - BASE CAN TO REMAIN (1 TOTAL)

REFERENCE NOTES

- 2 EXISTING RUNWAY EDGE LIGHT TO REMAIN - PROTECT IN PLACE
- 3 EXISTING AIRFIELD GUIDANCE SIGN TO REMAIN - PROTECT IN PLACE
- 5 EXISTING CONDUIT AND CONDUCTOR TO REMAIN - PROTECT IN PLACE
- 8 APPROXIMATE SPLICE POINT OF CONDUIT AND COUNTERPOISE

CIRCUIT IDENTIFICATION

- 2 RW 7L/25R
- 4 RGL 7L
- 6 TAXIWAY B EAST
- 14 PAPI 25R

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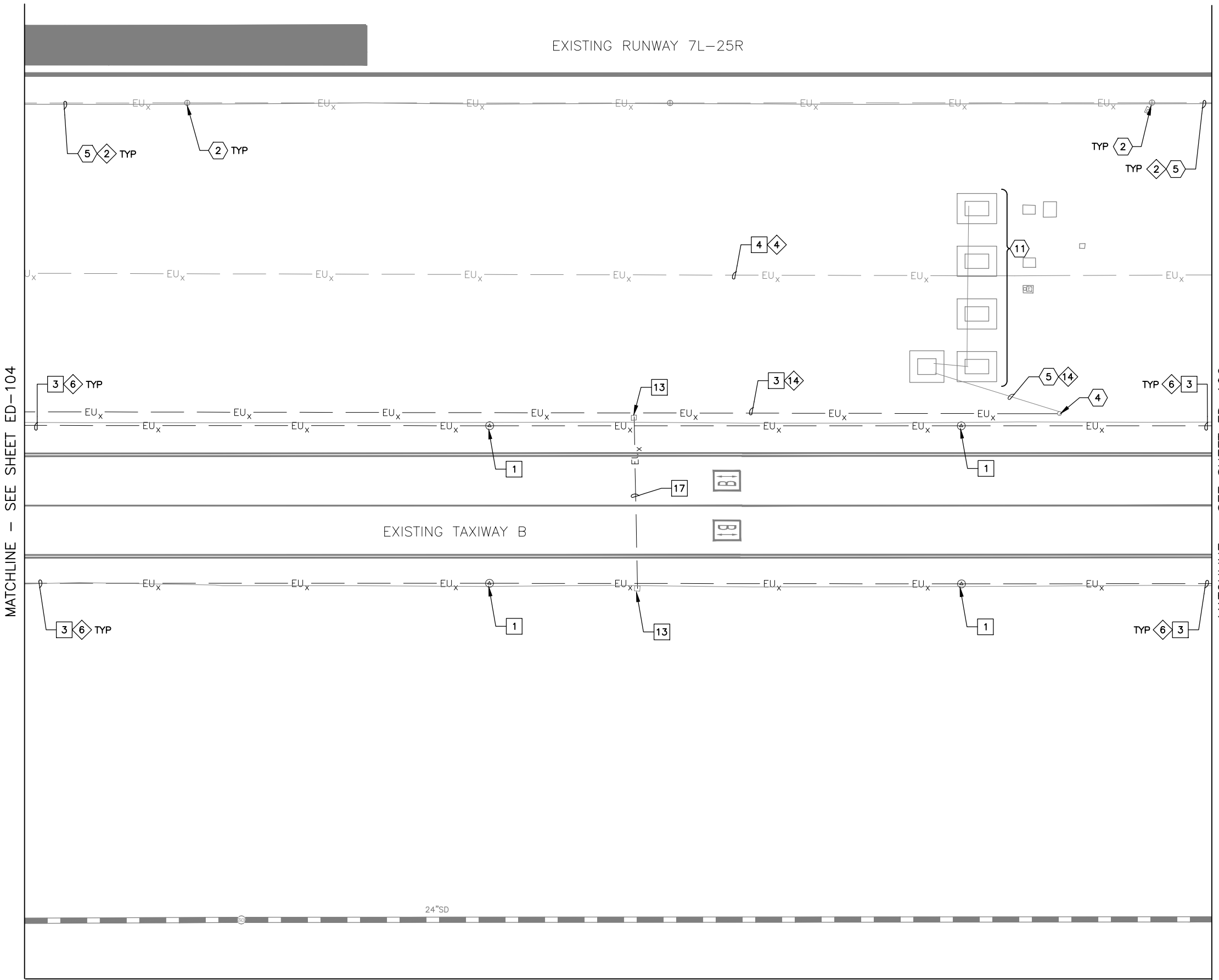
NO	REVISIONS / SUBMISSIONS	DATE

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 CITY OF PHOENIX AVIATION DEPARTMENT
**DEER VALLEY AIRPORT
 RELOCATE TAXIWAY B AND
 CONSTRUCT CONNECTORS
 B6 AND B9 - GMP 1**
 AV31000092 FAA

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 04/05/2023
Dwg scale: 1" = 20'

SHEET OVERVIEW TITLE
**AIRFIELD ELECTRICAL
 DEMOLITION PLAN**

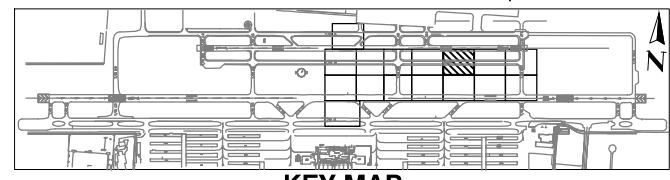
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GENERAL NOTES

1. COORDINATE WITH AIRPORT FOR LOCKOUT-TAGOUT OF AFFECTED CIRCUIT(S)
2. INSTALL TEMPORARY AIRFIELD CIRCUIT JUMPER TO MAINTAIN OPERATION OF CIRCUIT(S)

MATCHLINE - SEE SHEET ED-112



KEY MAP

DEMOLITION NOTES

- 1 REMOVE AND SALVAGE EXISTING TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER - REMOVE BASE CAN (4 TOTAL)
- 3 EXCAVATE AND REMOVE EXISTING CONDUIT AND CONDUCTOR (1295 LF TOTAL)
- 4 REMOVE EXISTING CONDUCTOR - CONDUIT TO REMAIN (450 LF TOTAL)
- 13 REMOVE EXISTING JUNCTION CAN/PULLBOX (2 TOTAL)
- 17 EXCAVATE AND REMOVE EXISTING ENCASED DUCTBANK (75 LF TOTAL)

REFERENCE NOTES

- 2 EXISTING RUNWAY EDGE LIGHT TO REMAIN - PROTECT IN PLACE
- 4 EXISTING HANDHOLE OR JUNCTION CAN TO REMAIN - PROTECT IN PLACE
- 5 EXISTING CONDUIT AND CONDUCTOR TO REMAIN - PROTECT IN PLACE
- 11 EXISTING PAPI TO REMAIN - PROTECT IN PLACE

CIRCUIT IDENTIFICATION

- 2 RW 7L/25R
- 4 RGL 7L
- 6 TAXIWAY B EAST
- 14 PAPI 25R

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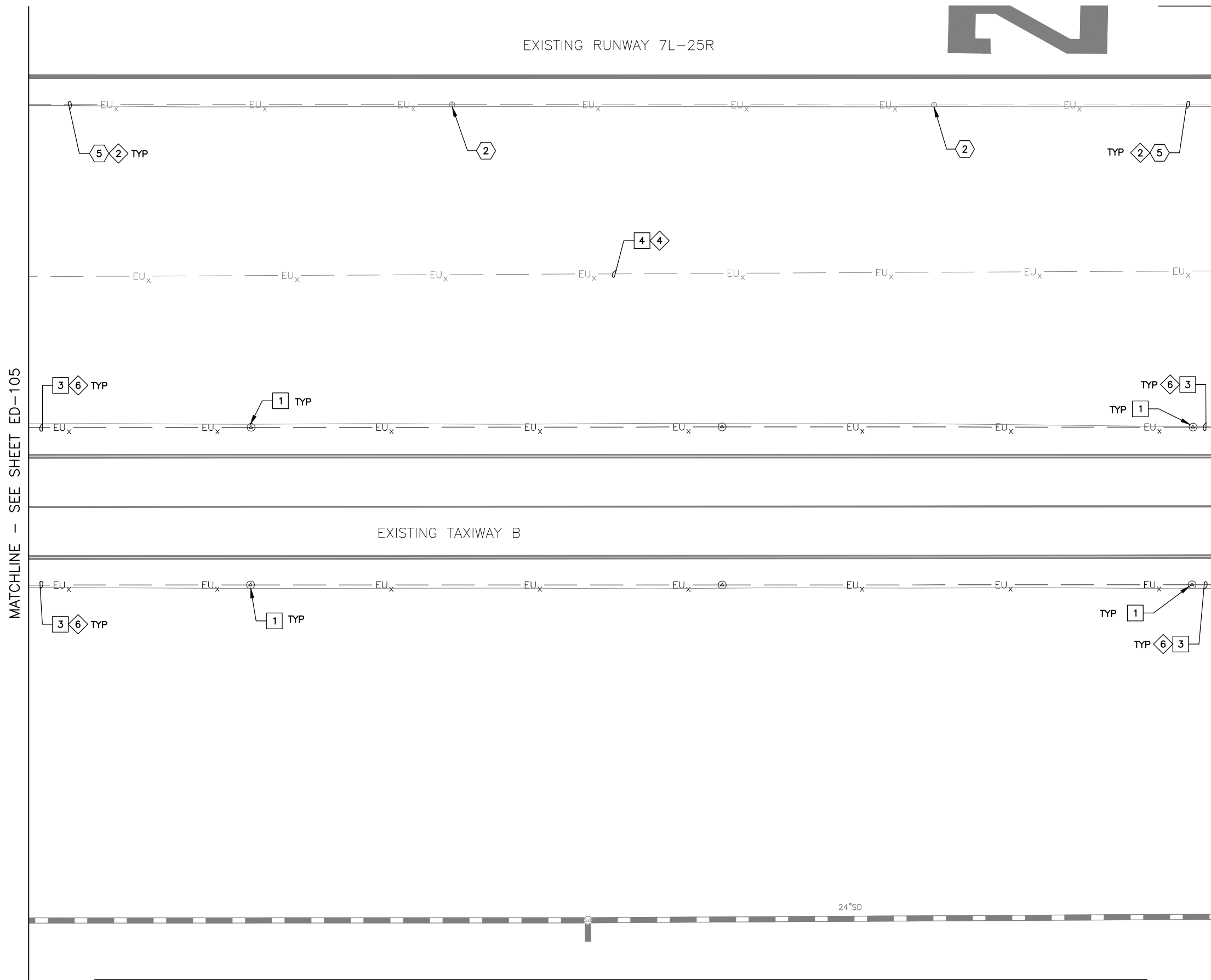
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 RELOCATE TAXIWAY B AND
 CONSTRUCT CONNECTORS
 B6 AND B9 - GMP 1
 AV31000092 FAA

Designed by: SW
Drawn by: JBW
Checked by: CA
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SHEET OVERVIEW TITLE
**AIRFIELD ELECTRICAL
 DEMOLITION PLAN**

SHEET REFERENCE NUMBER:
ED-105
 SHEET 66 OF 107

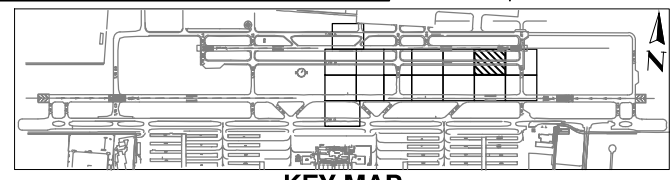
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GENERAL NOTES

1. COORDINATE WITH AIRPORT FOR LOCKOUT-TAGOUT OF AFFECTED CIRCUIT(S)
2. INSTALL TEMPORARY AIRFIELD CIRCUIT JUMPER TO MAINTAIN OPERATION OF CIRCUIT(S)

MATCHLINE - SEE SHEET ED-113



DEMOLITION NOTES

- 1 REMOVE AND SALVAGE EXISTING TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER - REMOVE BASE CAN (6 TOTAL)
- 3 EXCAVATE AND REMOVE EXISTING CONDUIT AND CONDUCTOR (900 LF TOTAL)
- 4 REMOVE EXISTING CONDUCTOR - CONDUIT TO REMAIN (450 LF TOTAL)

REFERENCE NOTES

- 2 EXISTING RUNWAY EDGE LIGHT TO REMAIN - PROTECT IN PLACE
- 5 EXISTING CONDUIT AND CONDUCTOR TO REMAIN - PROTECT IN PLACE

CIRCUIT IDENTIFICATION

- 2 RW 7L/25R
- 6 TAXIWAY B EAST

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NO	REVISIONS / SUBMISSIONS	DATE

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**DEER VALLEY AIRPORT
 RELOCATE TAXIWAY B AND
 CONSTRUCT CONNECTORS
 B6 AND B9 - GMP 1**
 AV31000092 FAA

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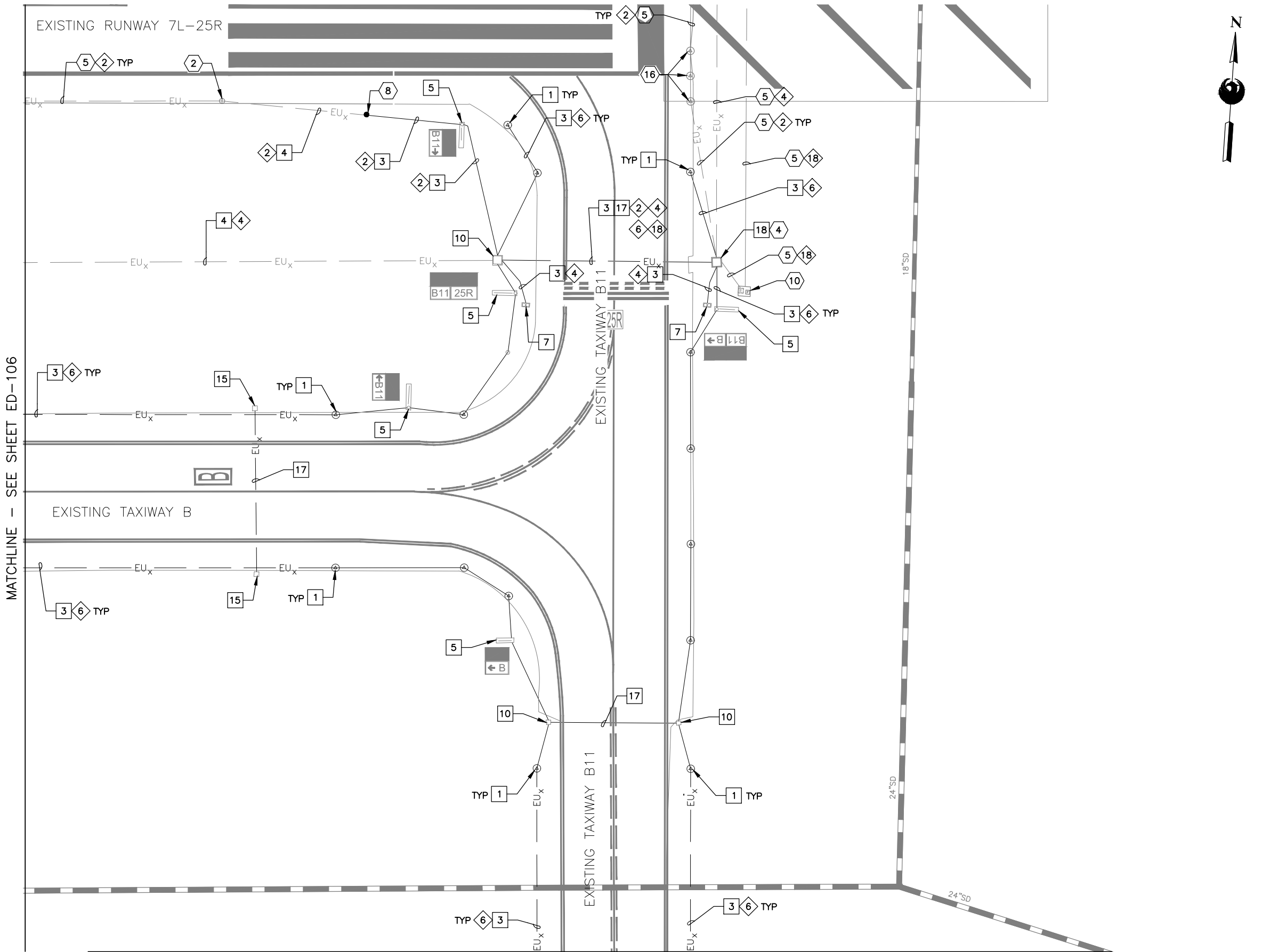
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SHEET OVERVIEW TITLE

**AIRFIELD ELECTRICAL
DEMOLITION PLAN**

SHEET REFERENCE NUMBER:
ED-106
 SHEET 67 OF 107

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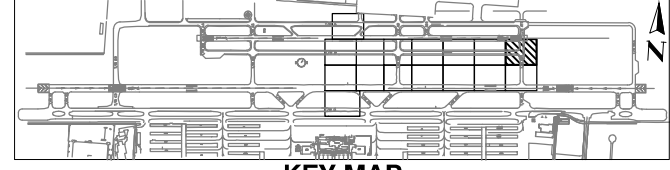


MATCHLINE - SEE SHEET ED-106

MATCHLINE - SEE SHEET ED-114

GENERAL NOTES

1. COORDINATE WITH AIRPORT FOR LOCKOUT-TAGOUT OF AFFECTED CIRCUIT(S)
2. INSTALL TEMPORARY AIRFIELD CIRCUIT JUMPER TO MAINTAIN OPERATION OF CIRCUIT(S)



KEY MAP

DEMOLITION NOTES

- 1 REMOVE AND SALVAGE EXISTING TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER - REMOVE BASE CAN (15 TOTAL)
- 3 EXCAVATE AND REMOVE EXISTING CONDUIT AND CONDUCTOR (1,210 LF TOTAL)
- 4 REMOVE EXISTING CONDUCTOR - CONDUIT TO REMAIN (245 LF TOTAL)
- 5 REMOVE AND SALVAGE EXISTING AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER - REMOVE SIGN BASE (5 TOTAL)
- 7 REMOVE AND SALVAGE EXISTING RUNWAY GUARD LIGHT AND ISOLATION TRANSFORMER - REMOVE BASE CAN (2 TOTAL)
- 10 EXCAVATE AND REMOVE EXISTING HANDHOLE (3 TOTAL)
- 15 REMOVE EXISTING DUCT MARKER (2 TOTAL)
- 17 EXCAVATE AND REMOVE EXISTING ENCASED DUCTBANK (205 LF TOTAL)
- 18 EXCAVATE AND REMOVE EXISTING HANDHOLE LID FOR REPLACEMENT WITH NEW LID (1 TOTAL)

REFERENCE NOTES

- 2 EXISTING RUNWAY EDGE LIGHT TO REMAIN - PROTECT IN PLACE
- 4 EXISTING HANDHOLE OR JUNCTION CAN TO REMAIN - PROTECT IN PLACE
- 5 EXISTING CONDUIT AND CONDUCTOR TO REMAIN - PROTECT IN PLACE
- 8 APPROXIMATE SPLICE POINT OF CONDUIT AND COUNTERPOISE
- 10 EXISTING REIL TO REMAIN - PROTECT IN PLACE
- 16 EXISTING RUNWAY THRESHOLD/END LIGHT TO REMAIN - PROTECT IN PLACE

CIRCUIT IDENTIFICATION

- 2 RW 7L/25R
- 4 RGL 7L
- 6 TAXIWAY B EAST
- 18 REIL 25R

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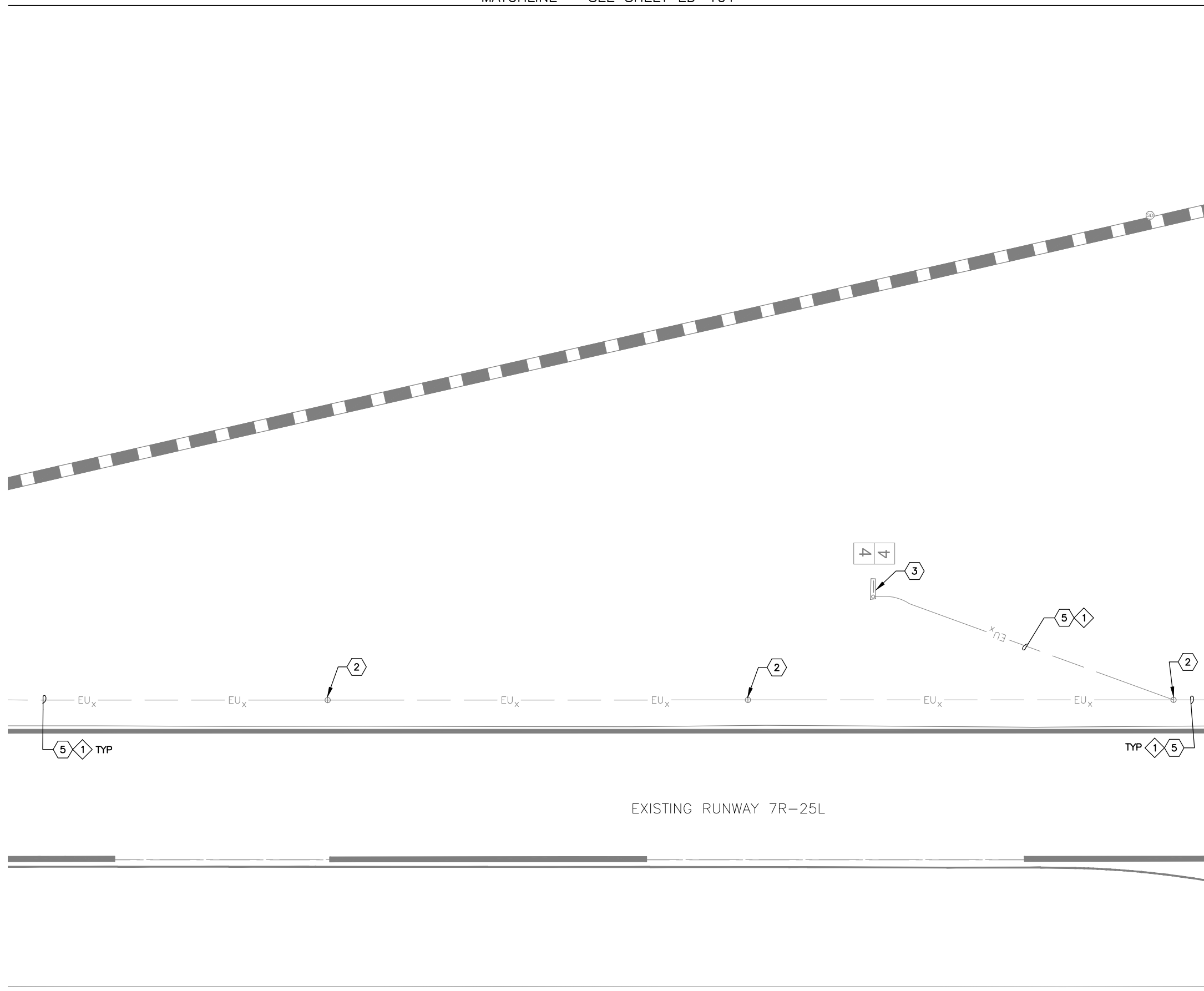
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**DEER VALLEY AIRPORT
 RELOCATE TAXIWAY B AND
 CONSTRUCT CONNECTORS
 B6 AND B9 - GMP 1**
 AV31000092 FAA

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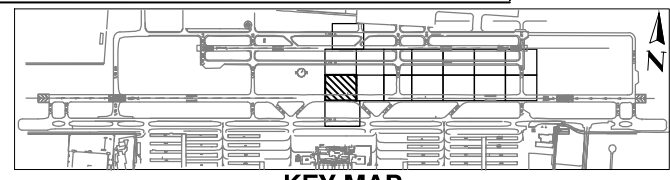
SHEET OVERVIEW TITLE
**AIRFIELD ELECTRICAL
 DEMOLITION PLAN**

MATCHLINE - SEE SHEET ED-101



MATCHLINE - SEE SHEET ED-109

MATCHLINE - SEE SHEET ED-116



KEY MAP

* NO ELECTRICAL DEMOLITION WORK SHOWN ON THIS SHEET - PROVIDED FOR REFERENCE ONLY.

REFERENCE NOTES

- 2 EXISTING RUNWAY EDGE LIGHT TO REMAIN - PROTECT IN PLACE
- 3 EXISTING AIRFIELD GUIDANCE SIGN TO REMAIN - PROTECT IN PLACE
- 5 EXISTING CONDUIT AND CONDUCTOR TO REMAIN - PROTECT IN PLACE

CIRCUIT IDENTIFICATION

- 1 RW 7R/25L

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**DEER VALLEY AIRPORT
RELOCATE TAXIWAY B AND
CONSTRUCT CONNECTORS
B6 AND B9 - GMP 1**
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SHEET OVERVIEW TITLE

**AIRFIELD ELECTRICAL
DEMOLITION PLAN**

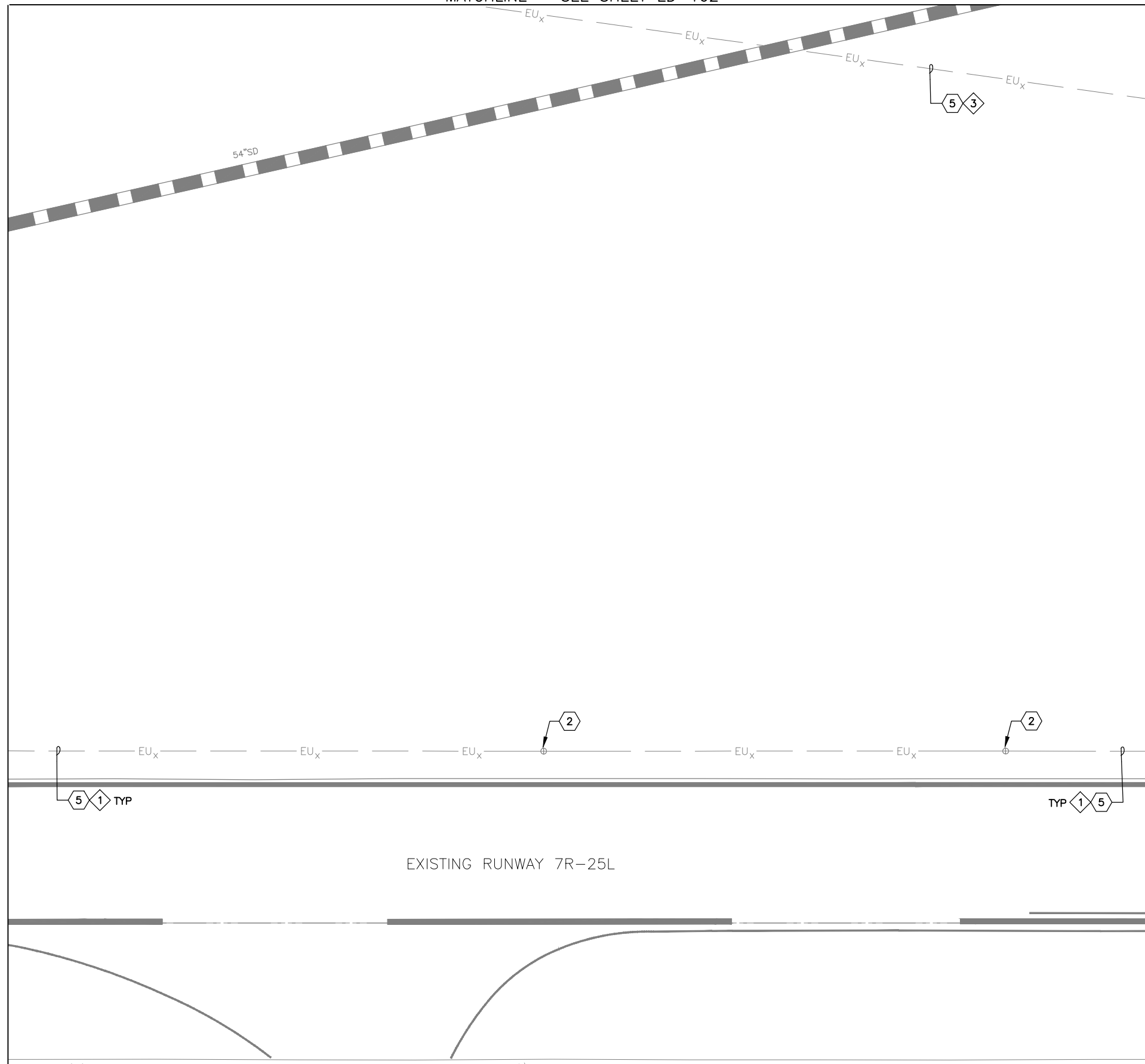
SHEET REFERENCE NUMBER:
ED-108

SHEET 69 OF 107

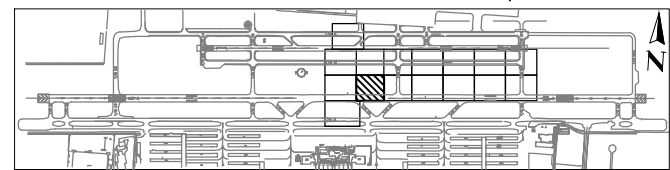
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MATCHLINE - SEE SHEET ED-108



MATCHLINE - SEE SHEET ED-110



KEY MAP

* NO ELECTRICAL DEMOLITION WORK SHOWN ON THIS SHEET - PROVIDED FOR REFERENCE ONLY.

REFERENCE NOTES

- 2 EXISTING RUNWAY EDGE LIGHT TO REMAIN - PROTECT IN PLACE
- 5 EXISTING CONDUIT AND CONDUCTOR TO REMAIN - PROTECT IN PLACE
- 12 COORDINATE WITH AIRPORT FOR LOCKOUT-TAGOUT OF AFFECTED CIRCUIT(S)

CIRCUIT IDENTIFICATION

- 1 RW 7R/25L
- 3 RGL 7R

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
 CITY OF PHOENIX AVIATION DEPARTMENT
**DEER VALLEY AIRPORT
 RELOCATE TAXIWAY B AND
 CONSTRUCT CONNECTORS
 B6 AND B9 - GMP 1**
 AV31000092 FAA

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Checked by: CA	Date: 04/05/2023
Dwg scale: 1" = 20'	

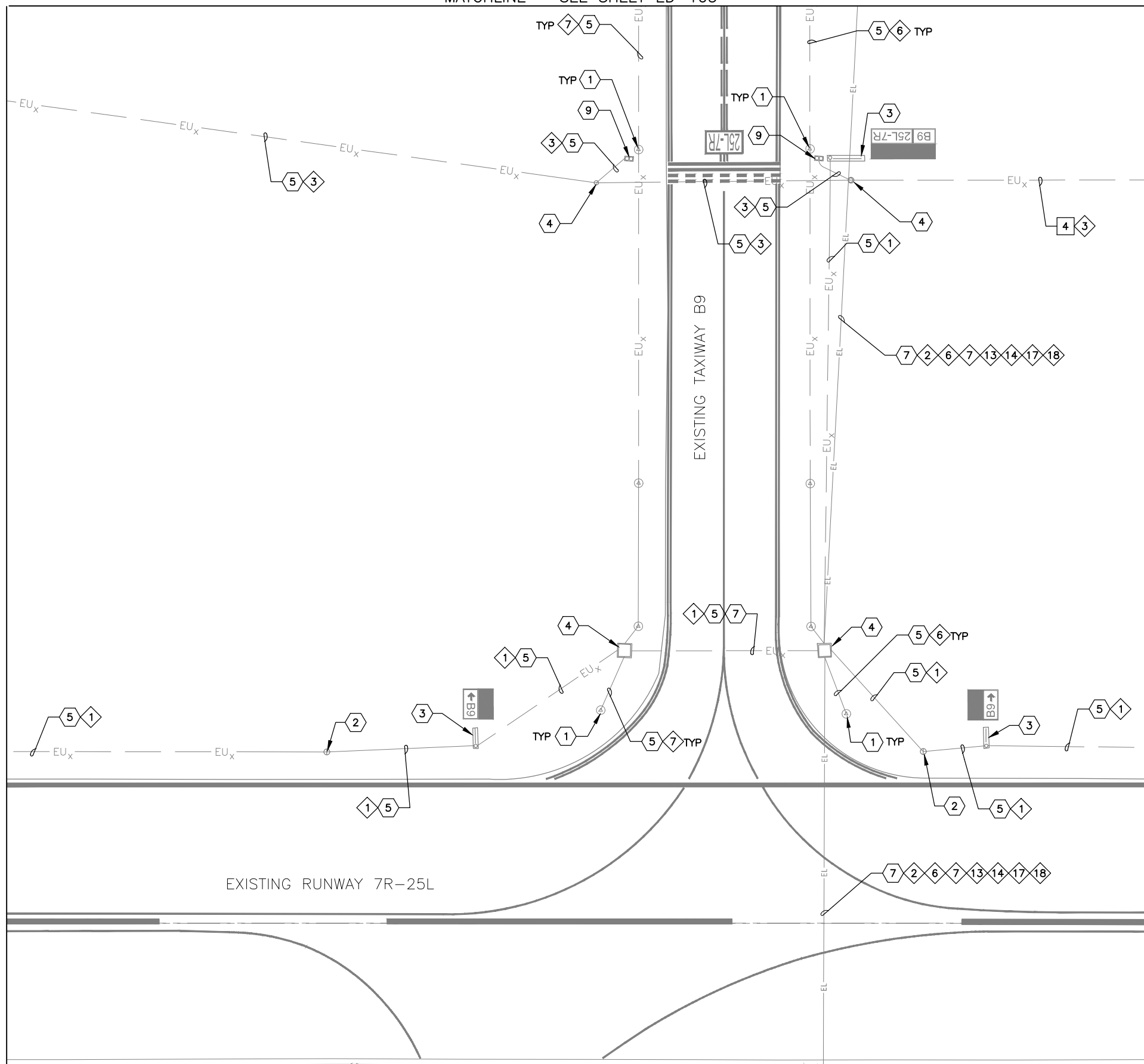
AIP NO.:3-04-0028-045-2023

SHEET OVERVIEW TITLE
**AIRFIELD ELECTRICAL
 DEMOLITION PLAN**

MATCHLINE - SEE SHEET ED-103

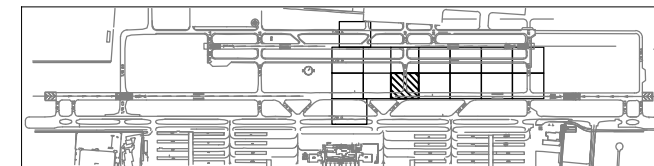
MATCHLINE - SEE SHEET ED-109

MATCHLINE - SEE SHEET ED-111



GENERAL NOTES

1. COORDINATE WITH AIRPORT FOR LOCKOUT-TAGOUT OF AFFECTED CIRCUIT(S)
2. INSTALL TEMPORARY AIRFIELD CIRCUIT JUMPER TO MAINTAIN OPERATION OF CIRCUIT(S)



KEY MAP

DEMOLITION NOTES

- 4 REMOVE EXISTING CONDUCTOR - CONDUIT TO REMAIN (110 LF TOTAL)

REFERENCE NOTES

- 1 EXISTING TAXIWAY EDGE LIGHT TO REMAIN - PROTECT IN PLACE
- 2 EXISTING RUNWAY EDGE LIGHT TO REMAIN - PROTECT IN PLACE
- 3 EXISTING AIRFIELD GUIDANCE SIGN TO REMAIN - PROTECT IN PLACE
- 4 EXISTING HANDHOLE OR JUNCTION CAN TO REMAIN - PROTECT IN PLACE
- 5 EXISTING CONDUIT AND CONDUCTOR TO REMAIN - PROTECT IN PLACE
- 7 EXISTING DUCTBANK - PROTECT IN PLACE
- 9 EXISTING ELEVATED RGL FIXTURE TO REMAIN - PROTECT IN PLACE

CIRCUIT IDENTIFICATION

- 1 RW 7R/25L
- 2 RW 7L/25R
- 3 RGL 7R
- 6 TAXIWAY B EAST
- 7 TAXIWAY B WEST
- 13 PAPI 7L
- 14 PAPI 25R
- 17 REIL 7L
- 18 REIL 25R

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**DEER VALLEY AIRPORT
 RELOCATE TAXIWAY B AND
 CONSTRUCT CONNECTORS
 B6 AND B9 - GMP 1**
 AV31000092 FAA

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 Drawn by: JBW
 Checked by: CA
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 Dwg scale: 1" = 20'

AIP NO.: 3-04-0028-045-2023

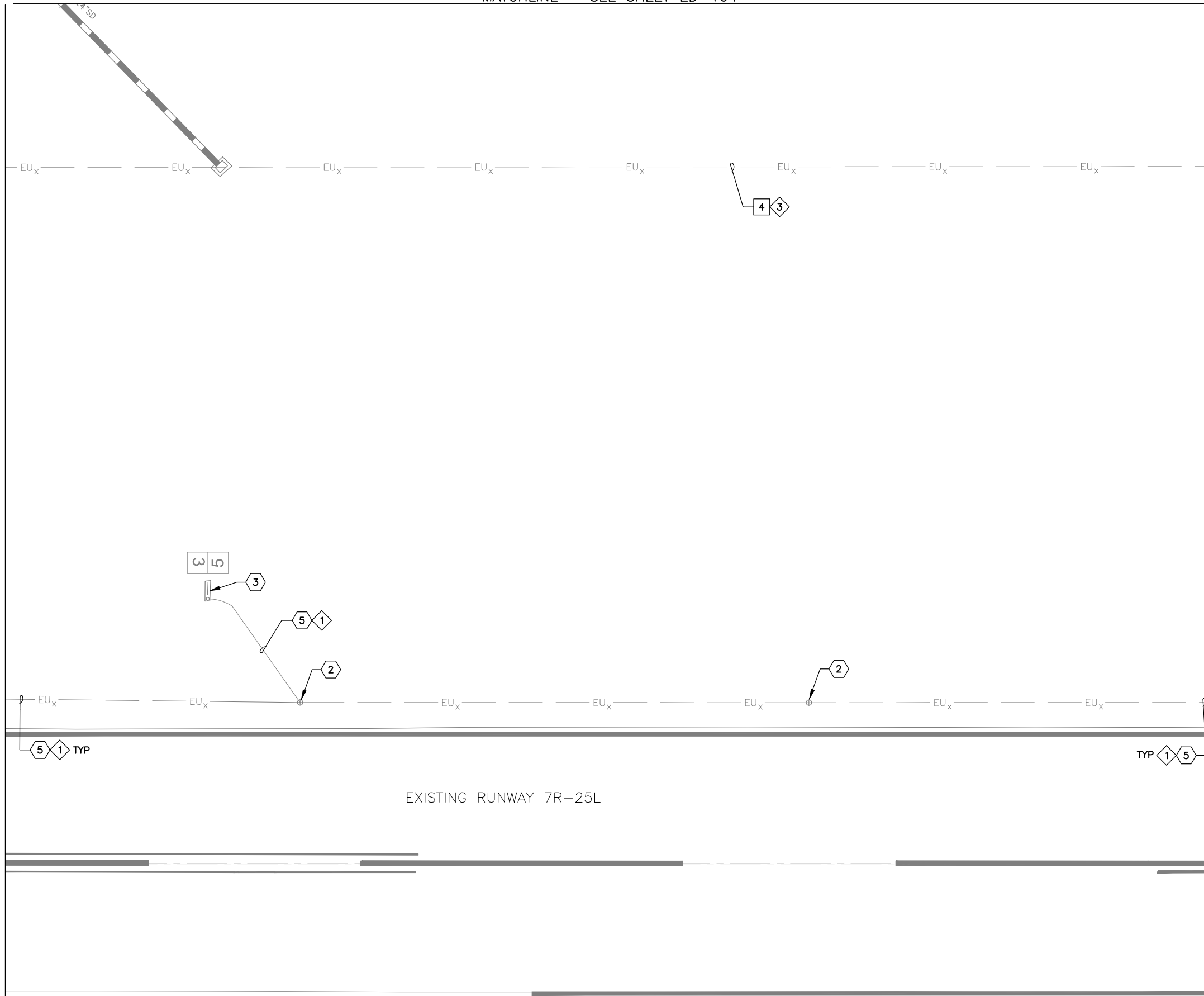
SHEET OVERVIEW TITLE
**AIRFIELD ELECTRICAL
 DEMOLITION PLAN**

SHEET REFERENCE NUMBER:
ED-110
 SHEET 71 OF 107

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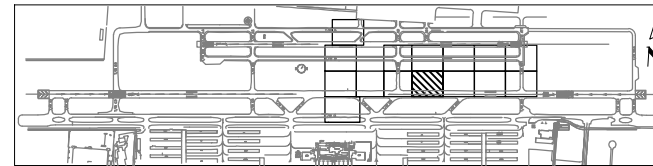
MATCHLINE - SEE SHEET ED-110

MATCHLINE - SEE SHEET ED-112



GENERAL NOTES

1. COORDINATE WITH AIRPORT FOR LOCKOUT-TAGOUT OF AFFECTED CIRCUIT(S)
2. INSTALL TEMPORARY AIRFIELD CIRCUIT JUMPER TO MAINTAIN OPERATION OF CIRCUIT(S)



KEY MAP

DEMOLITION NOTES

- 4 REMOVE EXISTING CONDUCTOR - CONDUIT TO REMAIN (450 LF TOTAL)

REFERENCE NOTES

- 2 EXISTING RUNWAY EDGE LIGHT TO REMAIN - PROTECT IN PLACE
- 3 EXISTING AIRFIELD GUIDANCE SIGN TO REMAIN - PROTECT IN PLACE
- 5 EXISTING CONDUIT AND CONDUCTOR TO REMAIN - PROTECT IN PLACE

CIRCUIT IDENTIFICATION

- 1 RW 7R/25L
- 3 RGL 7R

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B6 AND B9 - GMP 1
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AIP NO.:3-04-0028-045-2023

SHEET OVERVIEW TITLE

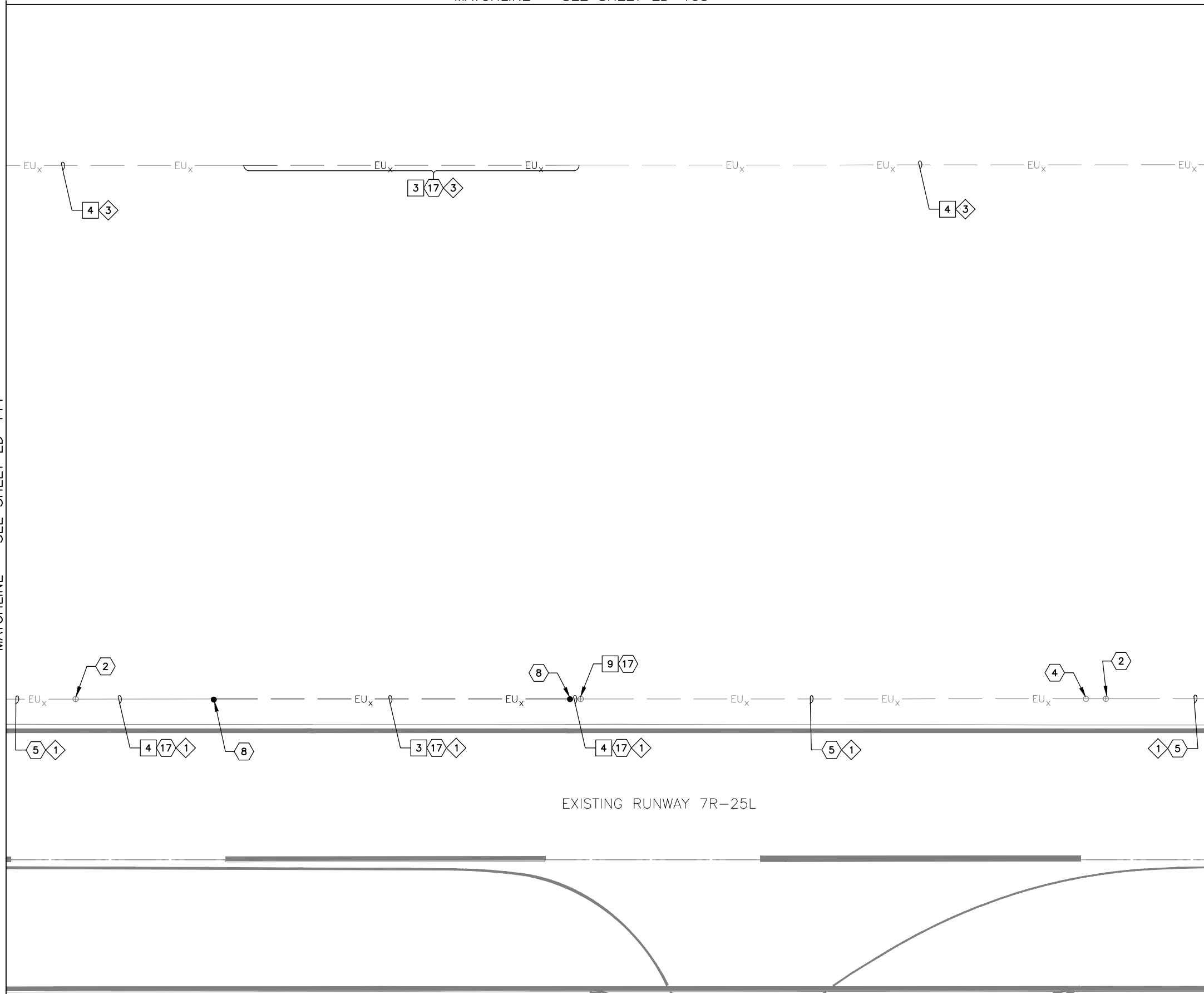
**AIRFIELD ELECTRICAL
DEMOLITION PLAN**

SHEET REFERENCE NUMBER:
ED-111
SHEET 72 OF 107

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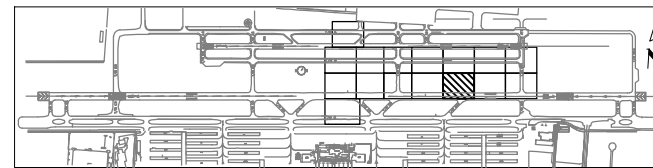
MATCHLINE - SEE SHEET ED-111

MATCHLINE - SEE SHEET ED-113



GENERAL NOTES

1. COORDINATE WITH AIRPORT FOR LOCKOUT-TAGOUT OF AFFECTED CIRCUIT(S)
2. INSTALL TEMPORARY AIRFIELD CIRCUIT JUMPER TO MAINTAIN OPERATION OF CIRCUIT(S)



KEY MAP

DEMOLITION NOTES

- 3 EXCAVATE AND REMOVE EXISTING CONDUIT AND CONDUCTOR (270 LF TOTAL)
- 4 REMOVE EXISTING CONDUCTOR - CONDUIT TO REMAIN (375 LF TOTAL)
- 9 REMOVE AND SALVAGE EXISTING RUNWAY EDGE LIGHT AND ISOLATION TRANSFORMER - BASE CAN TO REMAIN (1 TOTAL)

REFERENCE NOTES

- 2 EXISTING RUNWAY EDGE LIGHT TO REMAIN - PROTECT IN PLACE
- 4 EXISTING HANDHOLE OR JUNCTION CAN TO REMAIN - PROTECT IN PLACE
- 5 EXISTING CONDUIT AND CONDUCTOR TO REMAIN - PROTECT IN PLACE
- 8 APPROXIMATE SPLICE POINT OF CONDUIT AND COUNTERPOISE
- 17 WORK ASSOCIATED WITH ADD ALT 1

CIRCUIT IDENTIFICATION

- 1 RW 7R/25L
- 3 RGL 7R

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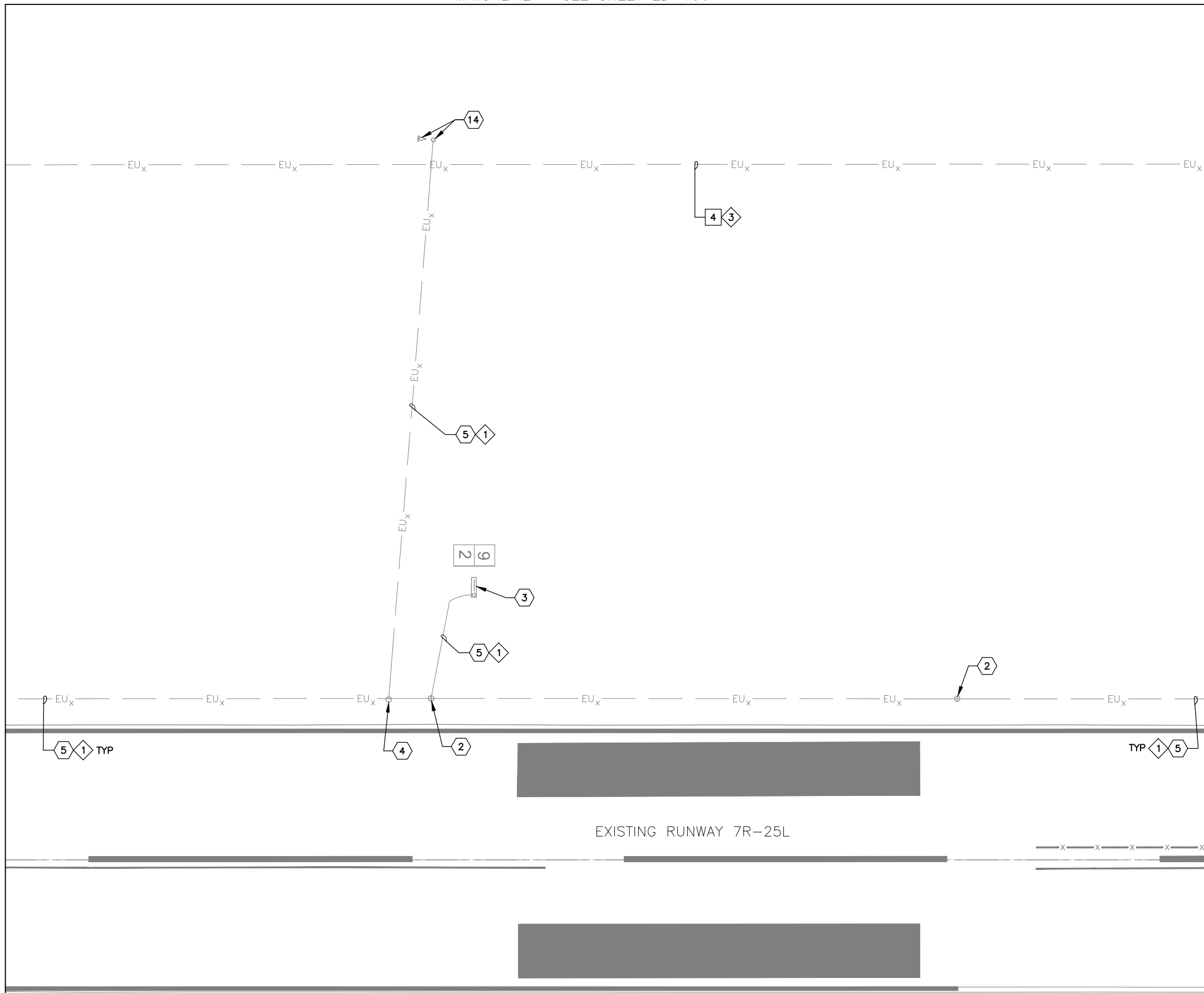
SHEET OVERVIEW TITLE

**AIRFIELD ELECTRICAL
DEMOLITION PLAN**

SHEET REFERENCE NUMBER:
ED-112
SHEET 73 OF 107

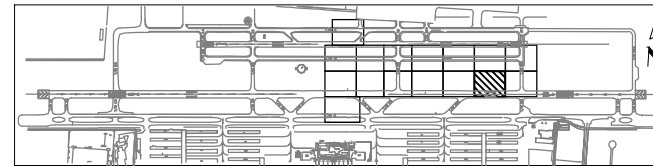
MATCHLINE - SEE SHEET ED-112

MATCHLINE - SEE SHEET ED-114



GENERAL NOTES

1. COORDINATE WITH AIRPORT FOR LOCKOUT-TAGOUT OF AFFECTED CIRCUIT(S)
2. INSTALL TEMPORARY AIRFIELD CIRCUIT JUMPER TO MAINTAIN OPERATION OF CIRCUIT(S)



KEY MAP

DEMOLITION NOTES

- 4 REMOVE EXISTING CONDUCTOR - CONDUIT TO REMAIN (450 LF TOTAL)

REFERENCE NOTES

- 2 EXISTING RUNWAY EDGE LIGHT TO REMAIN - PROTECT IN PLACE
- 3 EXISTING AIRFIELD GUIDANCE SIGN TO REMAIN - PROTECT IN PLACE
- 4 EXISTING HANDHOLE OR JUNCTION CAN TO REMAIN - PROTECT IN PLACE
- 5 EXISTING CONDUIT AND CONDUCTOR TO REMAIN - PROTECT IN PLACE
- 12 COORDINATE WITH AIRPORT FOR LOCKOUT-TAGOUT OF AFFECTED CIRCUIT(S)
- 14 EXISTING WINDCONE TO REMAIN - PROTECT IN PLACE

CIRCUIT IDENTIFICATION

- 1 RW 7R/25L
- 3 RGL 7R

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NO	REVISIONS / SUBMISSIONS	DATE

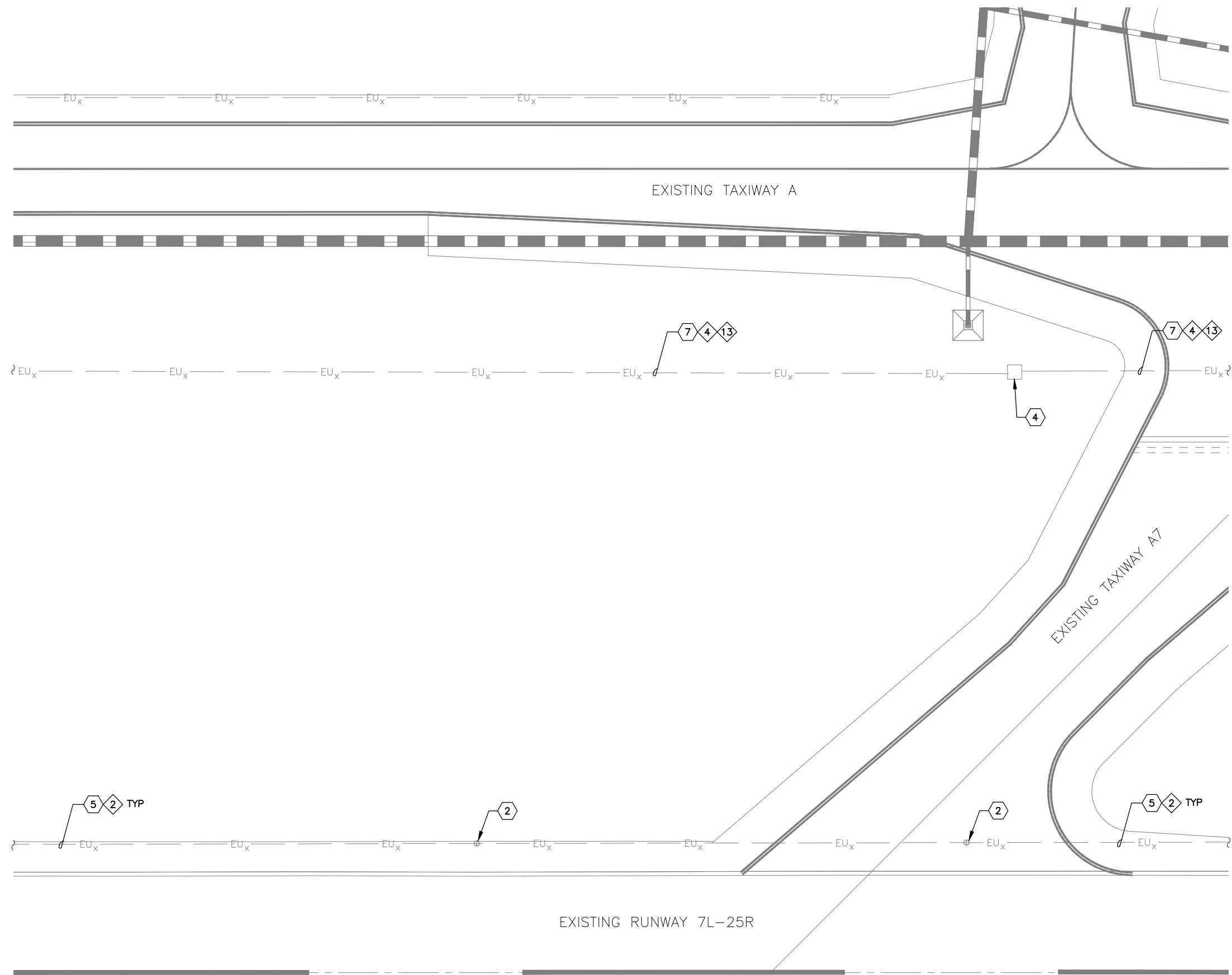
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SHEET OVERVIEW TITLE

**AIRFIELD ELECTRICAL
DEMOLITION PLAN**



* NO ELECTRICAL DEMOLITION WORK SHOWN ON THIS SHEET - PROVIDED FOR REFERENCE ONLY.

REFERENCE NOTES

- 2 EXISTING RUNWAY EDGE LIGHT TO REMAIN - PROTECT IN PLACE
- 4 EXISTING HANDHOLE OR JUNCTION CAN TO REMAIN - PROTECT IN PLACE
- 5 EXISTING CONDUIT AND CONDUCTOR TO REMAIN - PROTECT IN PLACE
- 7 EXISTING DUCTBANK - PROTECT IN PLACE

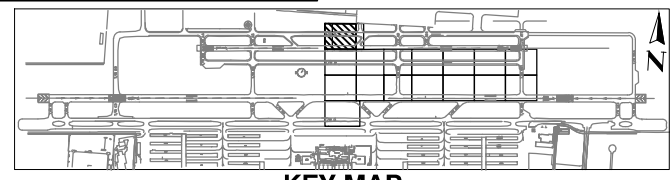
CIRCUIT IDENTIFICATION

- 2 RW 7L/25R
- 4 RGL 7L
- 13 PAPI 7L

GENERAL NOTES

1. COORDINATE WITH AIRPORT FOR LOCKOUT-TAGOUT OF AFFECTED CIRCUIT(S)
2. INSTALL TEMPORARY AIRFIELD CIRCUIT JUMPER TO MAINTAIN OPERATION OF CIRCUIT(S)

MATCHLINE - SEE SHEET ED-101



KEY MAP

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SHEET OVERVIEW TITLE
**AIRFIELD ELECTRICAL
 DEMOLITION PLAN**

SHEET REFERENCE NUMBER:
ED-115
 SHEET 76 OF 107

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REFERENCE NOTES

- 1 EXISTING TAXIWAY EDGE LIGHT TO REMAIN - PROTECT IN PLACE
- 4 EXISTING HANDHOLE OR JUNCTION CAN TO REMAIN - PROTECT IN PLACE
- 5 EXISTING CONDUIT AND CONDUCTOR TO REMAIN - PROTECT IN PLACE
- 7 EXISTING DUCTBANK - PROTECT IN PLACE

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CONSTRUCT CONNECTORS
B6 AND B9 - GMP 1
AV130100092 FAA

CIRCUIT IDENTIFICATION

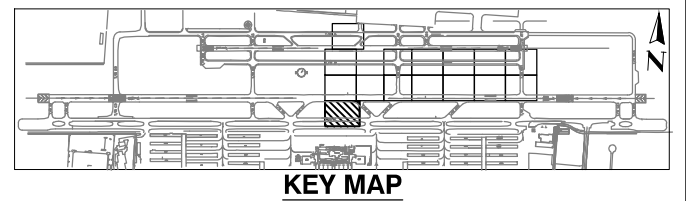
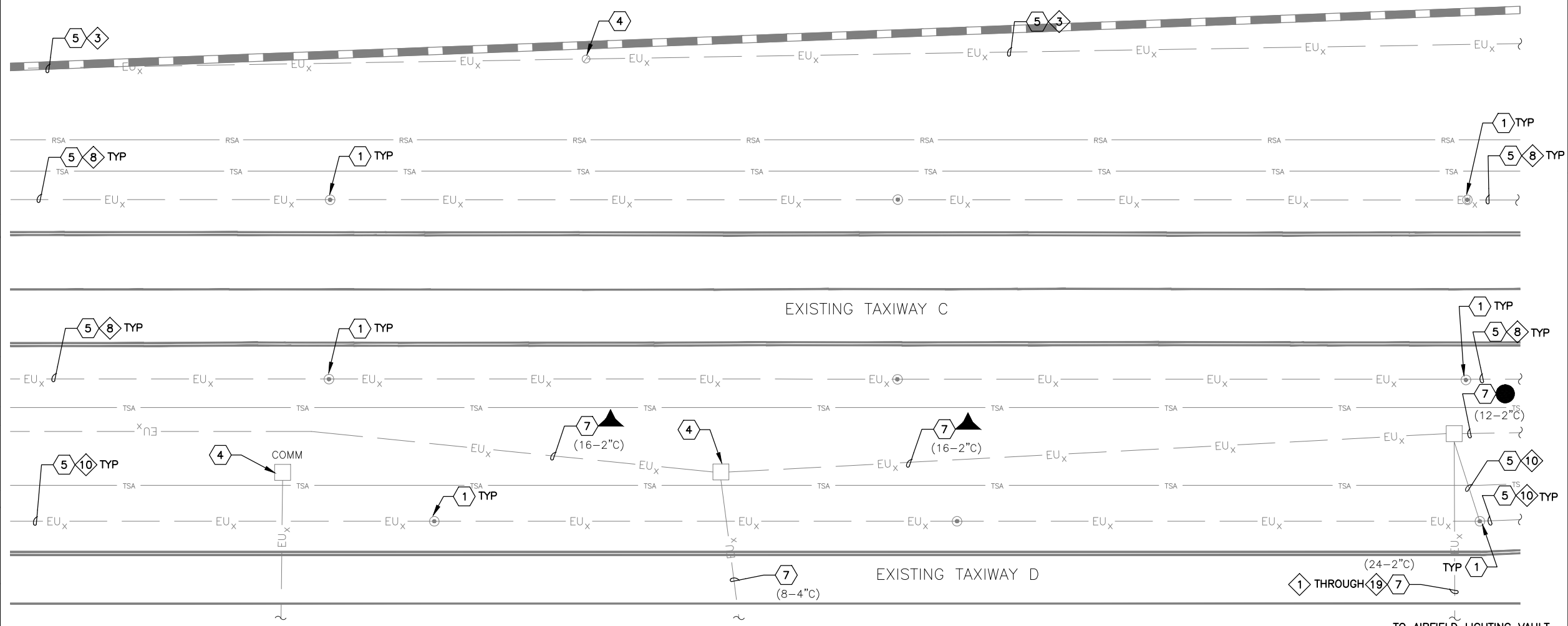
- 1 RW 7R/25L
- 2 RW 7L/25R
- 3 RGL 7R
- 4 RGL 7L
- 5 TAXIWAY A
- 6 TAXIWAY B EAST
- 7 TAXIWAY B WEST
- 8 TAXIWAY C EAST
- 9 TAXIWAY C WEST
- 10 TAXIWAY D
- 11 PAPI 7R
- 12 PAPI 25L
- 13 PAPI 7L
- 14 PAPI 25R
- 15 REIL 7R
- 16 REIL 25L
- 17 REIL 7L
- 18 REIL 25R
- 19 PRIMARY WINDCONE

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SHEET OVERVIEW TITLE

AIRFIELD ELECTRICAL DEMOLITION PLAN

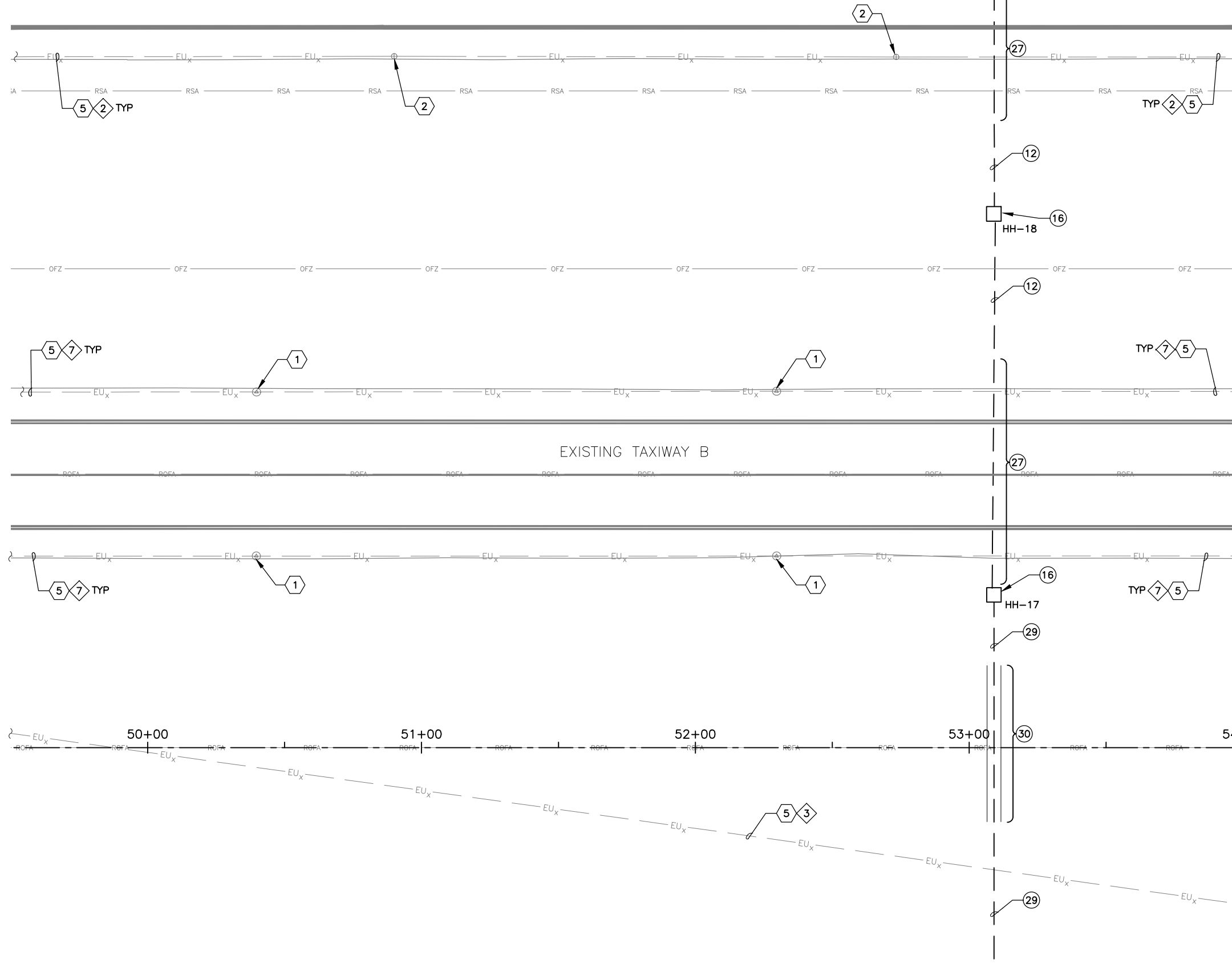
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ED-116
SHEET 77 OF 107



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MATCHLINE - SEE SHEET EA-115

EXISTING RUNWAY 7L-25R

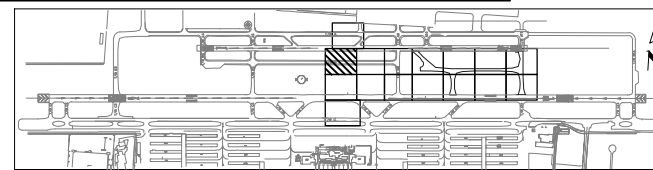


MATCHLINE - SEE SHEET EA-102

GENERAL NOTES

- COORDINATE WITH AIRPORT FOR LOCKOUT-TAGOUT OF AFFECTED CIRCUIT(S)
- INSTALL TEMPORARY AIRFIELD CIRCUIT JUMPER TO MAINTAIN OPERATION OF CIRCUIT(S)

MATCHLINE - SEE SHEET EA-108



KEY MAP

- CONSTRUCTION NOTES**
- 12 6-2°C SE (85 LF)
 - 16 NEW 4'x4'x4' HANDHOLE WITH AIRCRAFT RATED LID (2 TOTAL)
 - 27 NEW 6-2°C (HDPE) DIRECTIONAL BORE (145 LF TOTAL)
 - 29 NEW 10-2°C SE (80 LF TOTAL)
 - 30 NEW 10-2°C CE (60 LF TOTAL)

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NO	REVISIONS / SUBMISSIONS	DATE

REFERENCE NOTES

- 1 EXISTING TAXIWAY EDGE LIGHT
- 2 EXISTING RUNWAY EDGE LIGHT
- 5 EXISTING CONDUIT AND CONDUCTOR

CIRCUIT IDENTIFICATION

- 2 RW 7L/25R
- 3 RGL 7R
- 7 TW B WEST

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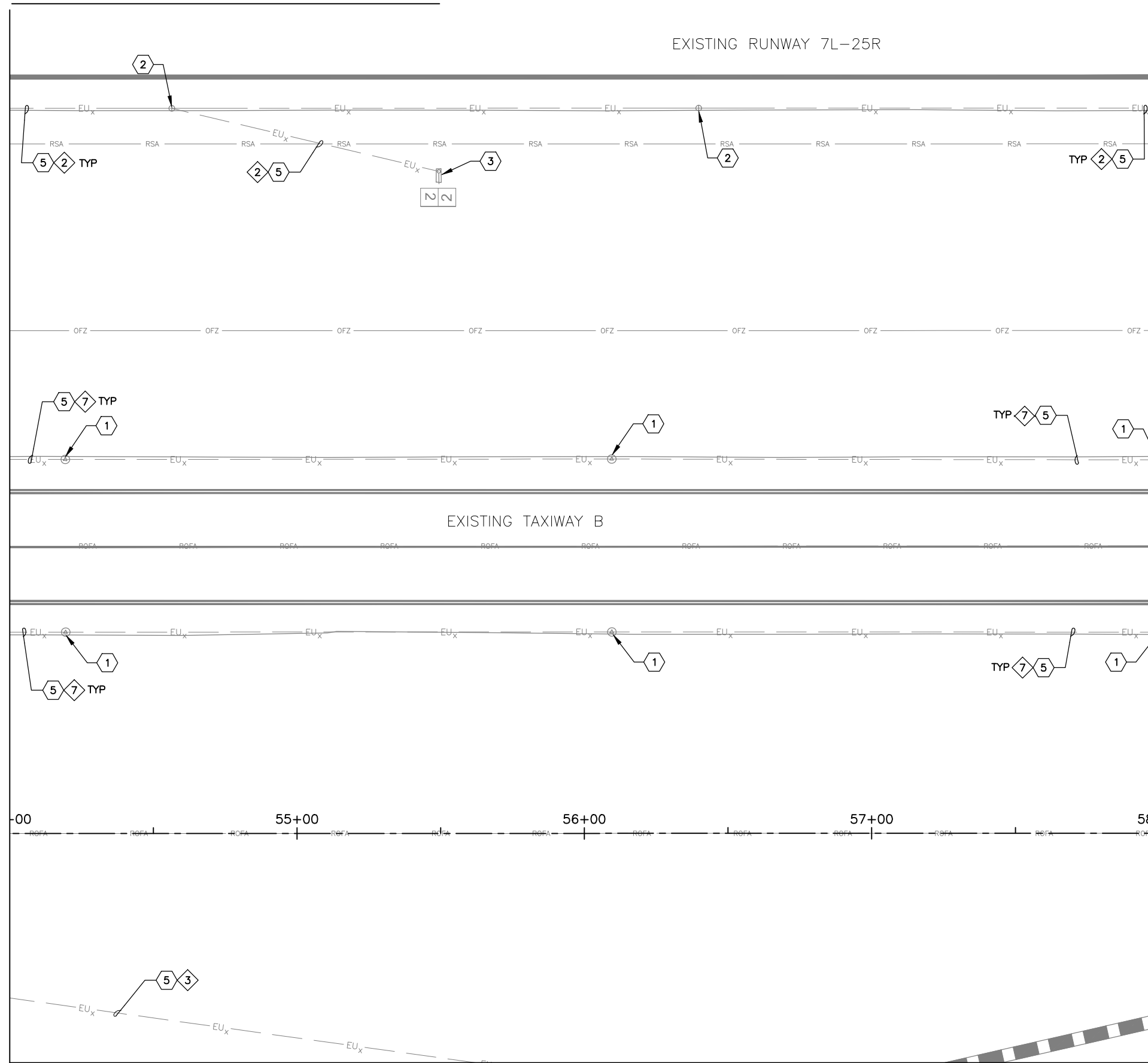
AIRFIELD LIGHTING AND ELECTRICAL PLAN

MATCHLINE - SEE SHEET EA-115

EXISTING RUNWAY 7L-25R

MATCHLINE - SEE SHEET EA-101

MATCHLINE - SEE SHEET EA-103



MATCHLINE - SEE SHEET EA-109



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REFERENCE NOTES

- 1 EXISTING TAXIWAY EDGE LIGHT
- 2 EXISTING RUNWAY EDGE LIGHT
- 3 EXISTING AIRFIELD GUIDANCE SIGN
- 5 EXISTING CONDUIT AND CONDUCTOR

CIRCUIT IDENTIFICATION

- 2 RW 7L/25R
- 3 RGL 7R
- 7 TW B WEST

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NO	REVISIONS / SUBMISSIONS	DATE

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 AV31000092 FAA

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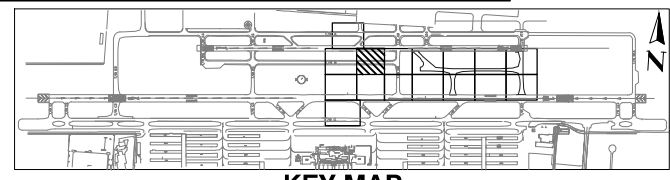
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SHEET OVERVIEW TITLE

AIRFIELD LIGHTING AND ELECTRICAL PLAN

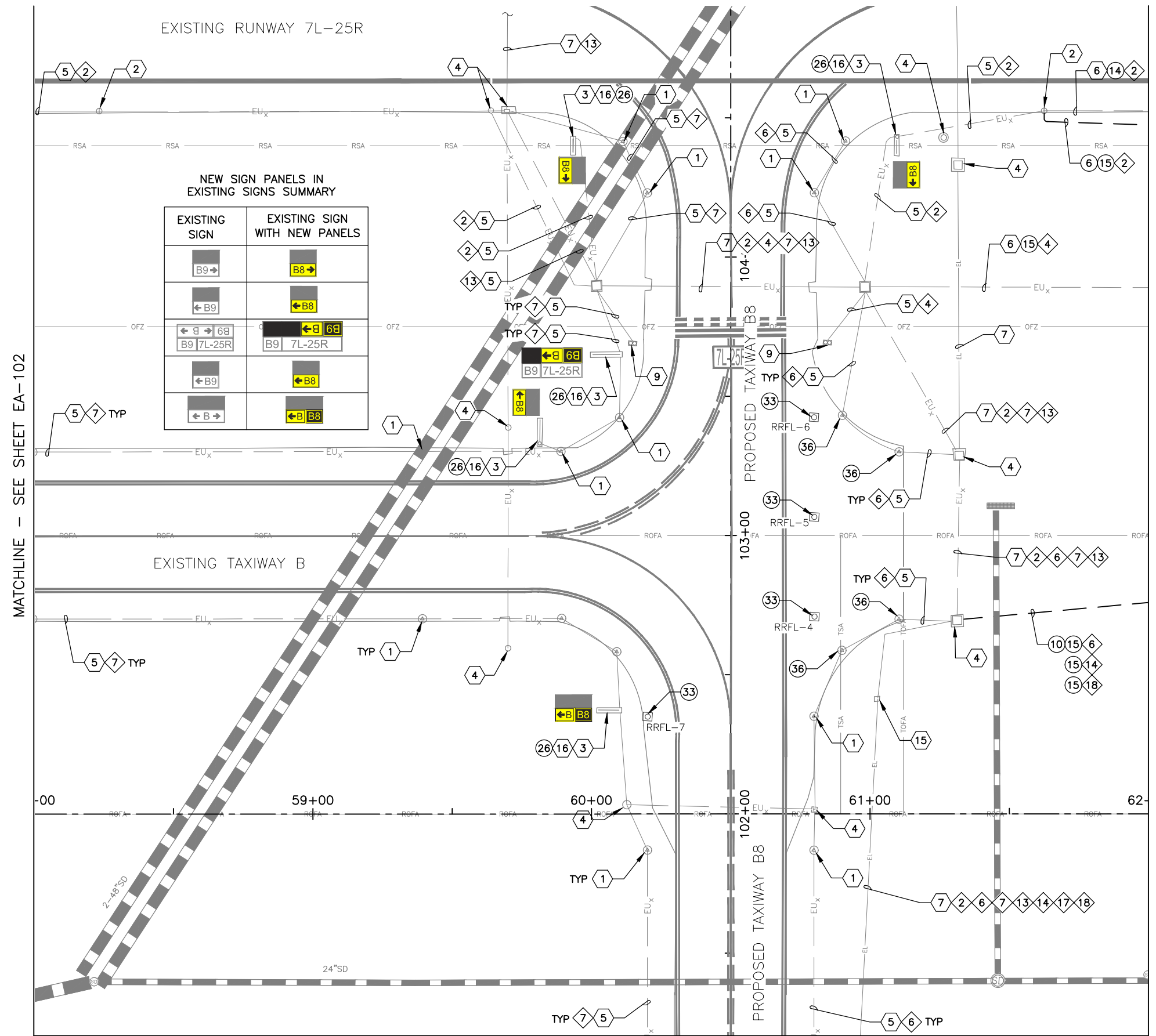
SHEET REFERENCE NUMBER:
EA-102

SHEET 79 OF 107



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G:\PROJECTS\19000\19006 DVT Relocate Taxi B & Construct High Speed Connectors CAD SHEETS\19006 EA-101 - EA-116.dwg - Apr 05/2023 9:07am



NEW SIGN PANELS IN EXISTING SIGNS SUMMARY

EXISTING SIGN	EXISTING SIGN WITH NEW PANELS

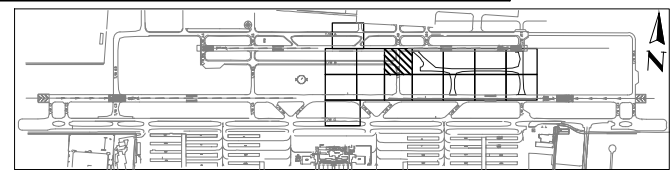
MATCHLINE - SEE SHEET EA-102

MATCHLINE - SEE SHEET EA-104

GENERAL NOTES

- COORDINATE WITH AIRPORT FOR LOCKOUT-TAGOUT OF AFFECTED CIRCUIT(S)
- INSTALL TEMPORARY AIRFIELD CIRCUIT JUMPER TO MAINTAIN OPERATION OF CIRCUIT(S)

MATCHLINE - SEE SHEET EA-110



- CONSTRUCTION NOTES**
- 6 1-2°C SE (45 LF TOTAL)
 - 10 4-2°C SE (70 LF TOTAL)
 - 14 1/C, #8-5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (45 LF TOTAL)
 - 15 2/C, #8-5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (470 LF TOTAL)
 - 26 INSTALL NEW SIZE 1 SIGN PANELS IN EXISTING SIGN (12 TOTAL) - ADD ALT 1
 - 33 NEW L-853 RETROREFLECTIVE TAXIWAY EDGE MARKER (4 TOTAL)
 - 36 INSTALL NEW BLANK COVER ON EXISTING L-867 BASE CAN (4 TOTAL)

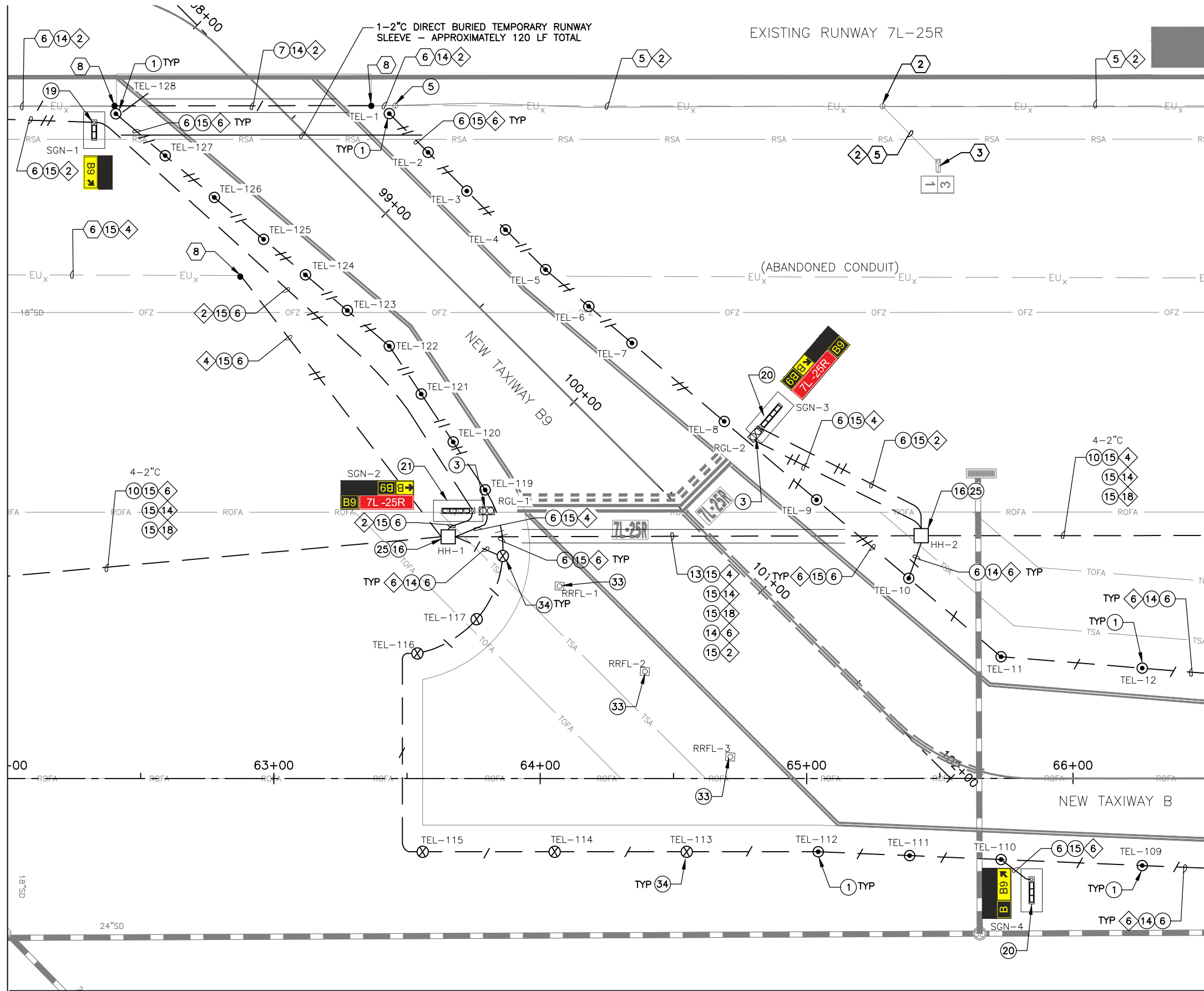
- REFERENCE NOTES**
- 1 EXISTING TAXIWAY EDGE LIGHT
 - 2 EXISTING RUNWAY EDGE LIGHT
 - 3 EXISTING AIRFIELD GUIDANCE SIGN
 - 4 EXISTING HANDHOLE OR JUNCTION CAN
 - 5 EXISTING CONDUIT AND CONDUCTOR
 - 6 EXISTING CONDUIT
 - 7 EXISTING DUCTBANK
 - 8 APPROXIMATE SPLICE POINT OF CONDUIT AND COUNTERPOISE
 - 9 EXISTING ELEVATED RGL FIXTURE
 - 15 EXISTING DUCTMARKER
 - 16 INSTALL TEMPORARY SIGN PANELS ONLY IF GMP2 IS NOT CONSTRUCTED IMMEDIATELY FOLLOWING GMP1

- CIRCUIT IDENTIFICATION**
- 2 RW 7L/25R
 - 4 RGL 7L
 - 6 TAXIWAY B EAST
 - 7 TAXIWAY B WEST
 - 13 PAPI 7L
 - 14 PAPI 25R
 - 17 REIL 7L
 - 18 REIL 25R

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<p>PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-2-26, THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF CONTRACTOR'S CONTRACT WITH THE CITY OF PHOENIX.</p>		
<p>PHX DVT BYR CITY OF PHOENIX AVIATION DEPARTMENT DEER VALLEY AIRPORT RELOCATE TAXIWAY B AND CONSTRUCT CONNECTORS B6 AND B9 - GMP 1 AV31000092 FAA</p>		
Designed by: SW Drawn by: JBW Checked by: CA Date: 04/05/2023 Dwg scale: 1" = 20'	<p>AIRFIELD LIGHTING AND ELECTRICAL PLAN</p> <p>SHEET REFERENCE NUMBER: EA-103</p> <p>SHEET 80 OF 107</p>	

MATCHLINE - SEE SHEET EA-103

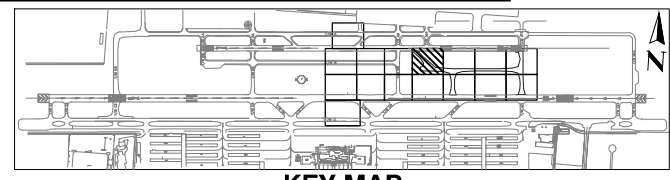
MATCHLINE - SEE SHEET EA-105



GENERAL NOTES

- COORDINATE WITH AIRPORT FOR LOCKOUT-TAGOUT OF AFFECTED CIRCUIT(S)
- INSTALL TEMPORARY AIRFIELD CIRCUIT JUMPER TO MAINTAIN OPERATION OF CIRCUIT(S)

MATCHLINE - SEE SHEET EA-111



- CONSTRUCTION NOTES**
- INSTALL NEW ELEVATED LED L-861T(L) TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER ON NEW L-867 BASE CAN. (26 TOTAL)
 - INSTALL NEW ELEVATED L-804(L) LED RUNWAY GUARD LIGHT AND ISOLATION TRANSFORMER ON NEW L-867 BASE CAN. (2 TOTAL)
 - INSTALL SALVAGED ELEVATED RUNWAY EDGE LIGHT AND ISOLATION TRANSFORMER ON EXISTING L-867 BASE CAN. (1 TOTAL)
 - 1-2" SE (1,670 LF TOTAL)
 - 1-2" CE (100 LF TOTAL)
 - 4-2" SE (270 LF TOTAL)
 - 6-2" CE (175 LF TOTAL)
 - 1/C, #8-5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (1,120 LF TOTAL)
 - 2/C, #8-5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (3,165 LF TOTAL)
 - NEW 4'x4'x4' HANDHOLE WITH AIRCRAFT RATED LID (2 TOTAL)
 - INSTALL NEW L-858(L) LED, SIZE 1, 2-MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD. (1 TOTAL)
 - INSTALL NEW L-858(L) LED, SIZE 1, 3-MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD. (1 TOTAL)
 - INSTALL NEW L-858(L) LED, SIZE 1, 4-MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD. (2 TOTAL)
 - INSTALL NEW RGL ISOLATION CONDUITS IN NEW OR EXISTING HANDHOLE (2 TOTAL)
 - NEW L-853 RETROREFLECTIVE TAXIWAY EDGE MARKER (3 TOTAL)
 - NEW L-867 BASE CAN WITH COVER (6 TOTAL)

- REFERENCE NOTES**
- EXISTING RUNWAY EDGE LIGHT
 - EXISTING AIRFIELD GUIDANCE SIGN
 - EXISTING CONDUIT AND CONDUCTOR
 - EXISTING CONDUIT
 - APPROXIMATE SPLICE POINT OF CONDUIT AND COUNTERPOISE

- CIRCUIT IDENTIFICATION**
- 2 RW 7L/25R
 - 4 RGL 7L
 - 6 TAXIWAY B EAST
 - 14 PAPI 25R
 - 18 REIL 25R

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DESIGNED BY: SW
DRAWN BY: JBW
CHECKED BY: CA
DATE: 04/05/2023
DWG SCALE: 1" = 20'

SHEET OVERVIEW TITLE
AIRFIELD LIGHTING AND ELECTRICAL PLAN

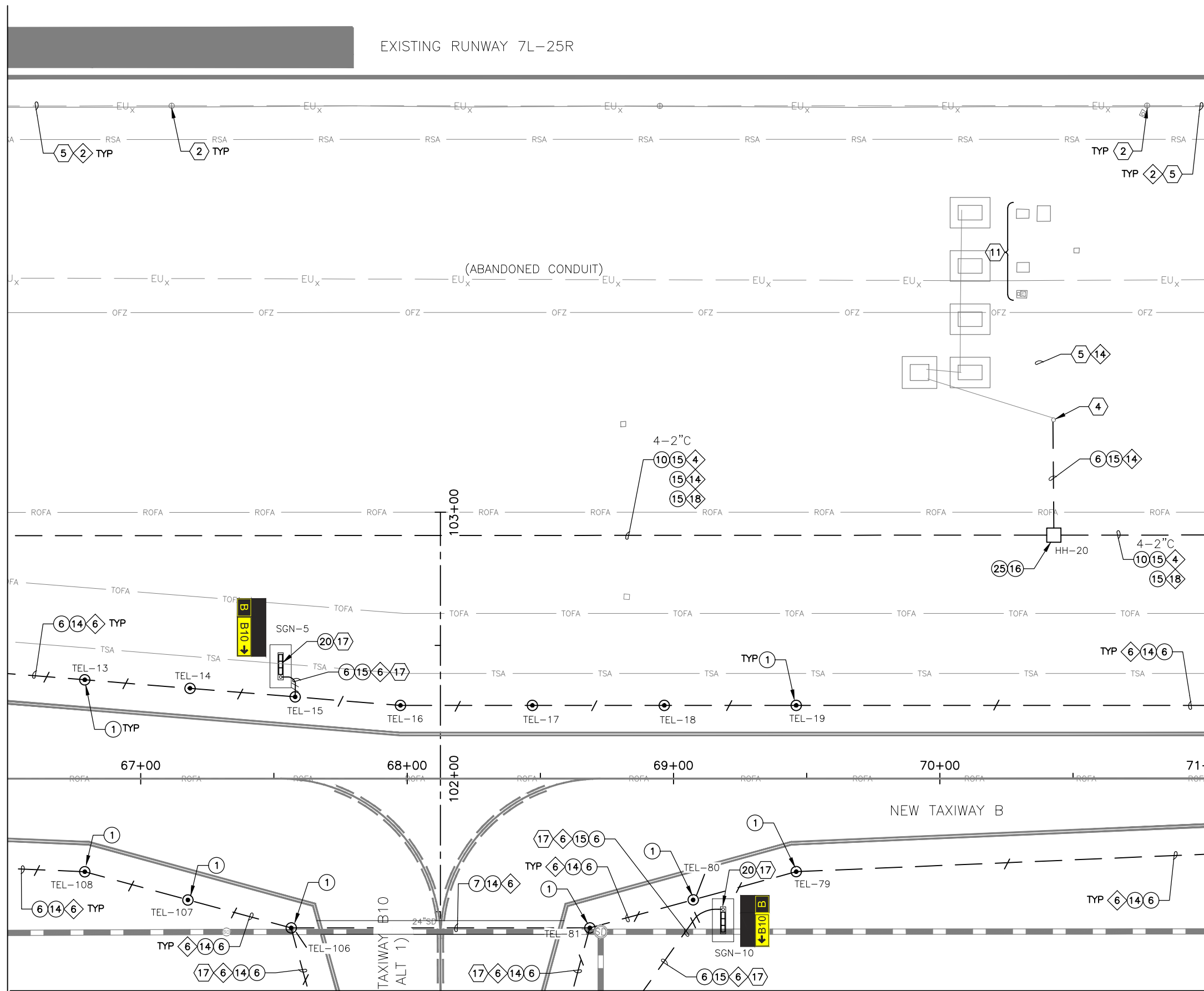
SHEET REFERENCE NUMBER:
EA-104

SHEET 81 OF 107

AV31000092 FAA

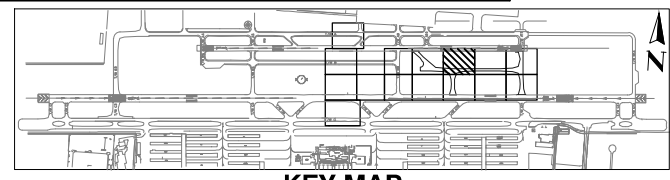
MATCHLINE - SEE SHEET EA-104

MATCHLINE - SEE SHEET EA-106



- GENERAL NOTES**
- COORDINATE WITH AIRPORT FOR LOCKOUT-TAGOUT OF AFFECTED CIRCUIT(S)
 - INSTALL TEMPORARY AIRFIELD CIRCUIT JUMPER TO MAINTAIN OPERATION OF CIRCUIT(S)

MATCHLINE - SEE SHEET EA-112



- CONSTRUCTION NOTES**
- INSTALL NEW ELEVATED LED L-861T(L) TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER ON NEW L-867 BASE CAN. (13 TOTAL)
 - 1-2" C SE (845 LF TOTAL - BASE BID) (115 LF TOTAL - ADD ALT 1)
 - 1-2" C CE (115 LF TOTAL)
 - 4-2" C SE (450 LF TOTAL)
 - 1/C, #8-5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (1,045 LF TOTAL - BASE BID) (60 LF TOTAL - ADD ALT)
 - 2/C, #8-5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (1,430 LF TOTAL - BASE BID) (80 LF TOTAL - ADD ALT 1)
 - NEW 4'x4'x4' HANDHOLE WITH AIRCRAFT RATED LID (1 TOTAL)
 - INSTALL NEW L-858(L) LED, SIZE 1, 3-MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD. (2 TOTAL)
 - INSTALL NEW RGL ISOLATION CONDUITS IN NEW OR EXISTING HANDHOLE (1 TOTAL)

- REFERENCE NOTES**
- EXISTING RUNWAY EDGE LIGHT
 - EXISTING HANDHOLE OR JUNCTION CAN
 - EXISTING CONDUIT AND CONDUCTOR
 - EXISTING PAPI
 - WORK ASSOCIATED WITH ADD ALT 1

- CIRCUIT IDENTIFICATION**
- RW 7L/25R
 - RGL 7L
 - TAXIWAY B EAST
 - PAPI 25R
 - REIL 25R

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NO	REVISIONS / SUBMISSIONS	DATE

Designed by: SW
Drawn by: JBW
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Dwg scale: 1" = 20'

AIRFIELD LIGHTING AND ELECTRICAL PLAN

SHEET REFERENCE NUMBER:
EA-105

SHEET 82 OF 107

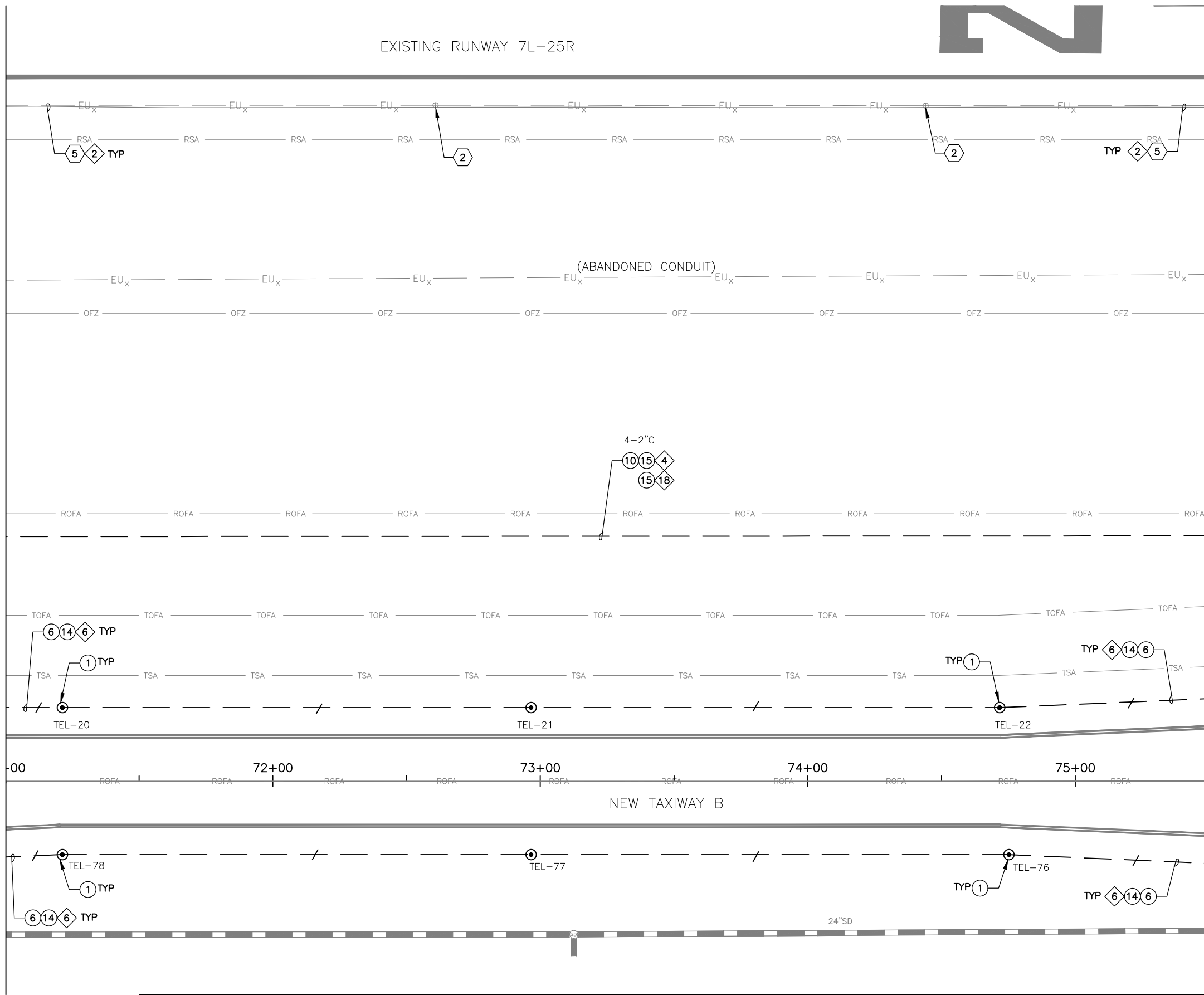
PHX DOT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
RELOCATE TAXIWAY B AND
CONSTRUCT CONNECTORS
B6 AND B9 - GMP 1
AV31000092 FAA

AIP NO.:3-04-0028-045-2023

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MATCHLINE - SEE SHEET EA-105

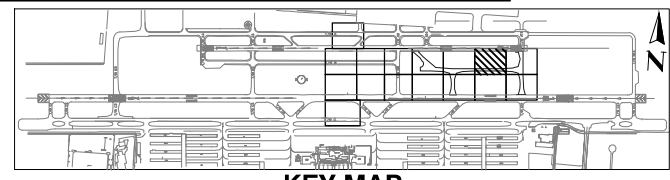
MATCHLINE - SEE SHEET EA-107



GENERAL NOTES

1. COORDINATE WITH AIRPORT FOR LOCKOUT-TAGOUT OF AFFECTED CIRCUIT(S)
2. INSTALL TEMPORARY AIRFIELD CIRCUIT JUMPER TO MAINTAIN OPERATION OF CIRCUIT(S)

MATCHLINE - SEE SHEET EA-113



KEY MAP

○ CONSTRUCTION NOTES ○

- ① INSTALL NEW ELEVATED LED L-861T(L) TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER ON NEW L-867 BASE CAN. (6 TOTAL)
- ⑥ 1-2" C SE (900 LF TOTAL)
- ⑩ 4-2" C SE (450 LF TOTAL)
- ⑭ 1/C, #8-5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (960 LF TOTAL)
- ⑮ 2/C, #8-5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (900 LF TOTAL)

◇ REFERENCE NOTES ◇

- ② EXISTING RUNWAY EDGE LIGHT
- ⑤ EXISTING CONDUIT AND CONDUCTOR

◇ CIRCUIT IDENTIFICATION ◇

- ② RW 7L/25R
- ④ RGL 7L
- ⑥ TAXIWAY B EAST
- ⑮ REIL 25R

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NO	REVISIONS / SUBMISSIONS	DATE

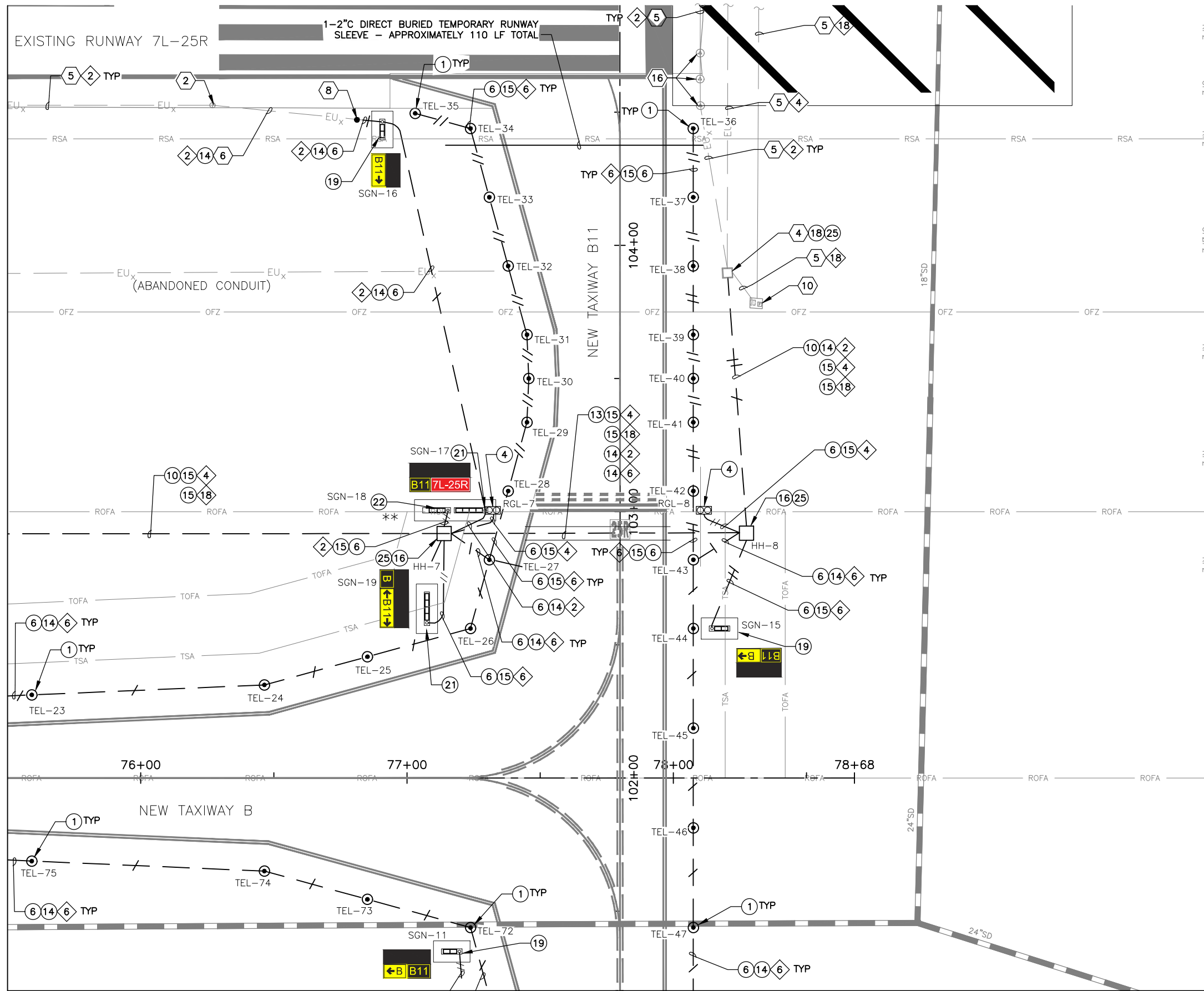
PHX DVT BYR
 CITY OF PHOENIX AVIATION DEPARTMENT
**DEER VALLEY AIRPORT
 RELOCATE TAXIWAY B AND
 CONSTRUCT CONNECTORS
 B6 AND B9 - GMP 1**
 AV31000092 FAA

Designed by: SW	Drawn by: JBW	Checked by: CA	Date: 04/05/2023	Dwg scale: 1" = 20'
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SHEET OVERVIEW TITLE
**AIRFIELD LIGHTING AND
 ELECTRICAL PLAN**

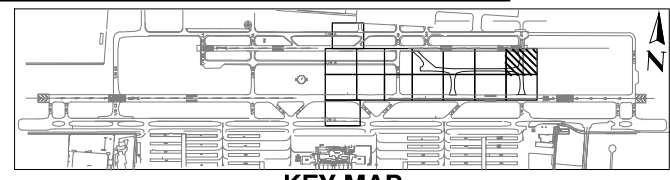
Q:\PROJECTS\19000\19006 DVT Relocate Taxi B & Construct High Speed Connectors\CAD\CAD SHEETS\19006 EA-101 - EA-116.dwg - Apr 05/2023 9:13am

MATCHLINE - SEE SHEET EA-106



- GENERAL NOTES**
- COORDINATE WITH AIRPORT FOR LOCKOUT-TAGOUT OF AFFECTED CIRCUIT(S)
 - INSTALL TEMPORARY AIRFIELD CIRCUIT JUMPER TO MAINTAIN OPERATION OF CIRCUIT(S)

** SIGN MESSAGE:
 VFR WESTBOUND DEPARTS
 CONTACT LIKE APPROACH
 CONTROL 118.15



- CONSTRUCTION NOTES**
- INSTALL NEW ELEVATED LED L-861T(L) TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER ON NEW L-867 BASE CAN. (29 TOTAL)
 - INSTALL SALVAGED ELEVATED L-804(L) LED RUNWAY GUARD LIGHT AND ISOLATION TRANSFORMER ON NEW L-867 BASE CAN. (2 TOTAL)
 - 1-2°C SE (1,310 LF TOTAL)
 - 4-2°C SE (265 LF TOTAL)
 - 6-2°C CE (115 LF TOTAL)
 - 1/C, #8-5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (1,495 LF TOTAL)
 - 2/C, #8-5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (1,655 LF TOTAL)
 - NEW 4'x4'x4' HANDHOLE WITH AIRCRAFT RATED LID (3 TOTAL)
 - INSTALL NEW LID ON EXISTING HANDHOLE STRUCTURE (1 TOTAL)
 - INSTALL NEW L-858(L) LED, SIZE 1, 2-MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD. (3 TOTAL)
 - INSTALL NEW L-858(L) LED, SIZE 1, 4-MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD. (2 TOTAL)
 - INSTALL NEW L-858(L) LED, SIZE 2, 2-MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD. (1 TOTAL)
 - INSTALL NEW RGL ISOLATION CONDUITS IN NEW OR EXISTING HANDHOLE (3 TOTAL)

- REFERENCE NOTES**
- EXISTING RUNWAY EDGE LIGHT
 - EXISTING HANDHOLE OR JUNCTION CAN
 - EXISTING CONDUIT AND CONDUCTOR
 - EXISTING CONDUIT
 - APPROXIMATE SPLICE POINT OF CONDUIT AND COUNTERPOISE
 - EXISTING REIL
 - EXISTING RUNWAY THRESHOLD/END LIGHT

- CIRCUIT IDENTIFICATION**
- RW 7L/25R
 - RGL 7L
 - TAXIWAY B EAST
 - REIL 25R

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 DEER VALLEY AIRPORT
 RELOCATE TAXIWAY B AND
 CONSTRUCT CONNECTORS
 B6 AND B9 - GMP 1
 AV31000092 FAA

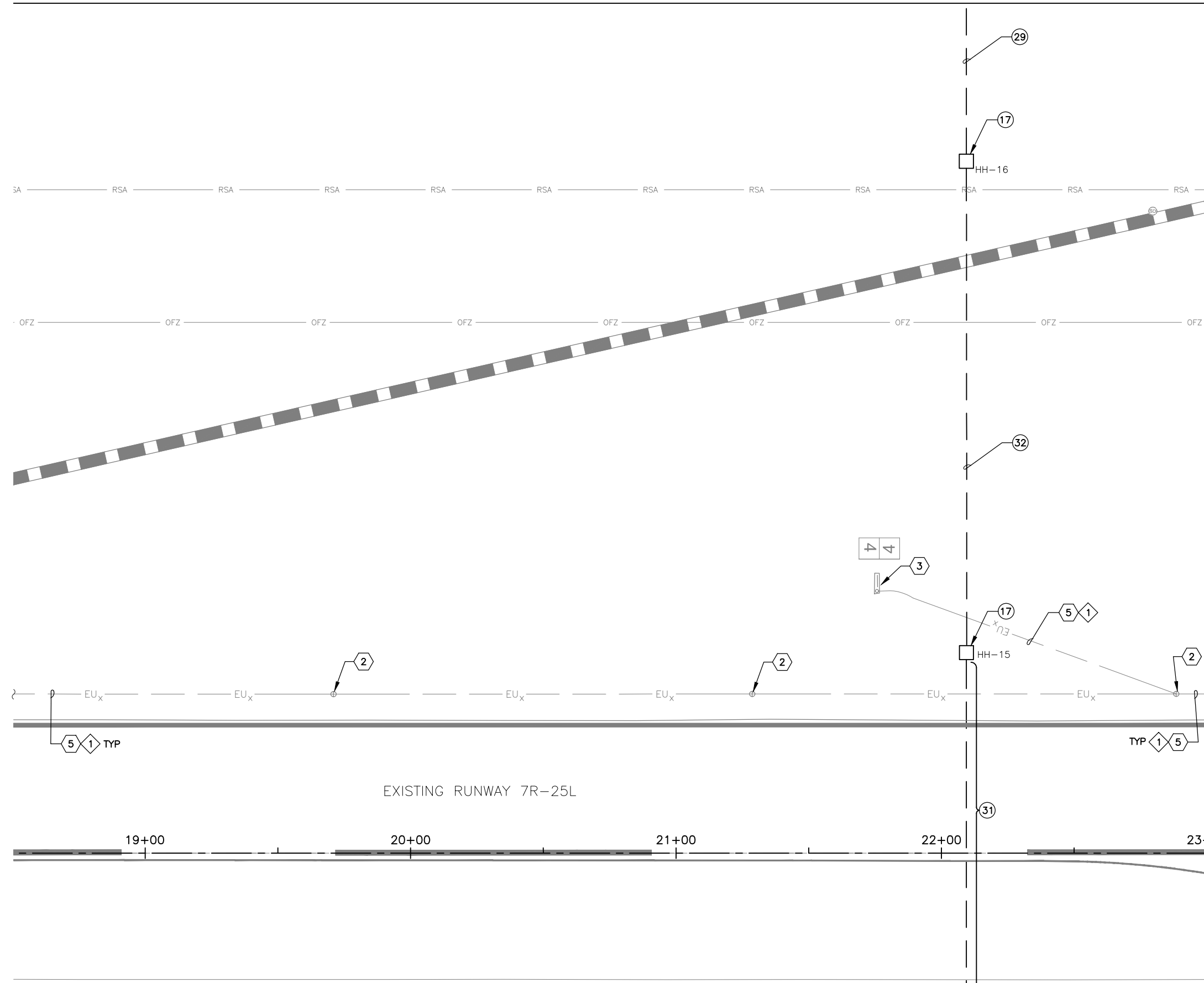
Designed by: SW
 Drawn by: JBW
 Checked by: CA
 Date: 04/05/2023
 Dwg scale: 1" = 20'

SHEET OVERVIEW TITLE
AIRFIELD LIGHTING AND ELECTRICAL PLAN

SHEET REFERENCE NUMBER:
EA-107

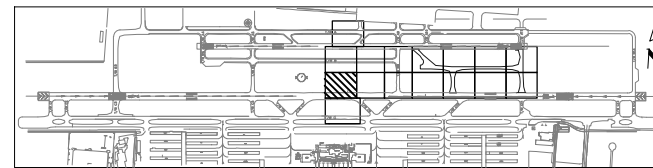
SHEET 84 OF 107

MATCHLINE - SEE SHEET EA-101



MATCHLINE - SEE SHEET EA-109

MATCHLINE - SEE SHEET EA-116



KEY MAP

- CONSTRUCTION NOTES ○
- ⑰ NEW 4'x4'x5' HANDHOLE WITH AIRCRAFT RATED LID (2 TOTAL)
 - ⑲ NEW 10-2" SE (60 LF TOTAL)
 - ⑳ NEW 16-2" (HDPE) DIRECTIONAL BORE (125 LF TOTAL)
 - ㉓ NEW 16-2" SE (185 LF TOTAL)

- ◇ REFERENCE NOTES ◇
- ② EXISTING RUNWAY EDGE LIGHT
 - ③ EXISTING AIRFIELD GUIDANCE SIGN
 - ⑤ EXISTING CONDUIT AND CONDUCTOR
 - ⑫ COORDINATE WITH AIRPORT FOR LOCKOUT-TAGOUT OF AFFECTED CIRCUIT(S)

- ◇ CIRCUIT IDENTIFICATION ◇
- ① RW 7R/25L

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 DEER VALLEY AIRPORT
 RELOCATE TAXIWAY B AND
 CONSTRUCT CONNECTORS
 B6 AND B9 - GMP 1
 AV31000092 FAA

Designed by: SW
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 Dwg scale: 1" = 20'

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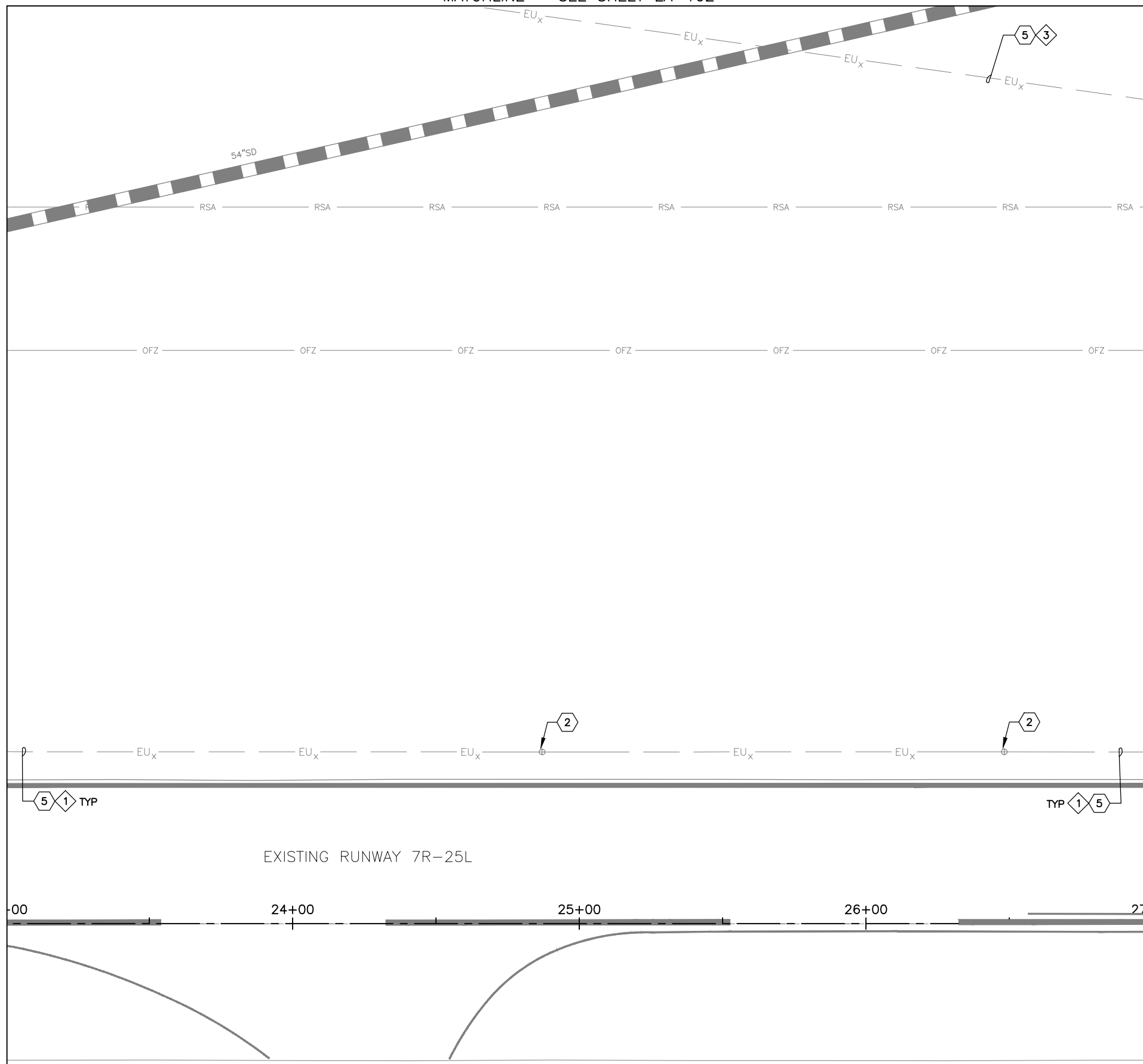
SHEET OVERVIEW TITLE
**AIRFIELD LIGHTING AND
 ELECTRICAL PLAN**

SHEET REFERENCE NUMBER:
EA-108
 SHEET 85 OF 107

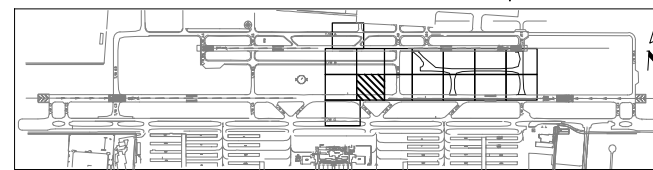
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Q:\PROJECTS\19000\190016 DVT Relocate Taxi B & Construct High Speed Connectors\CAD\CAD SHEETS\190016 EA-101 - EA-116.dwg - Apr 05 2023 9:14am

MATCHLINE - SEE SHEET EA-108



MATCHLINE - SEE SHEET EA-110



KEY MAP

* NO ELECTRICAL WORK SHOWN ON THIS SHEET - PROVIDED FOR REFERENCE ONLY

REFERENCE NOTES

- 2 EXISTING RUNWAY EDGE LIGHT
- 5 EXISTING CONDUIT AND CONDUCTOR
- 12 COORDINATE WITH AIRPORT FOR LOCKOUT-TAGOUT OF AFFECTED CIRCUIT(S)

CIRCUIT IDENTIFICATION

- 1 RW 7R/25L
- 3 RGL 7R

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 CONSTRUCT CONNECTORS
 B6 AND B9 - GMP 1
 AV31000092 FAA

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Checked by: CA
Date: 04/05/2023
Dwg scale: 1" = 20'

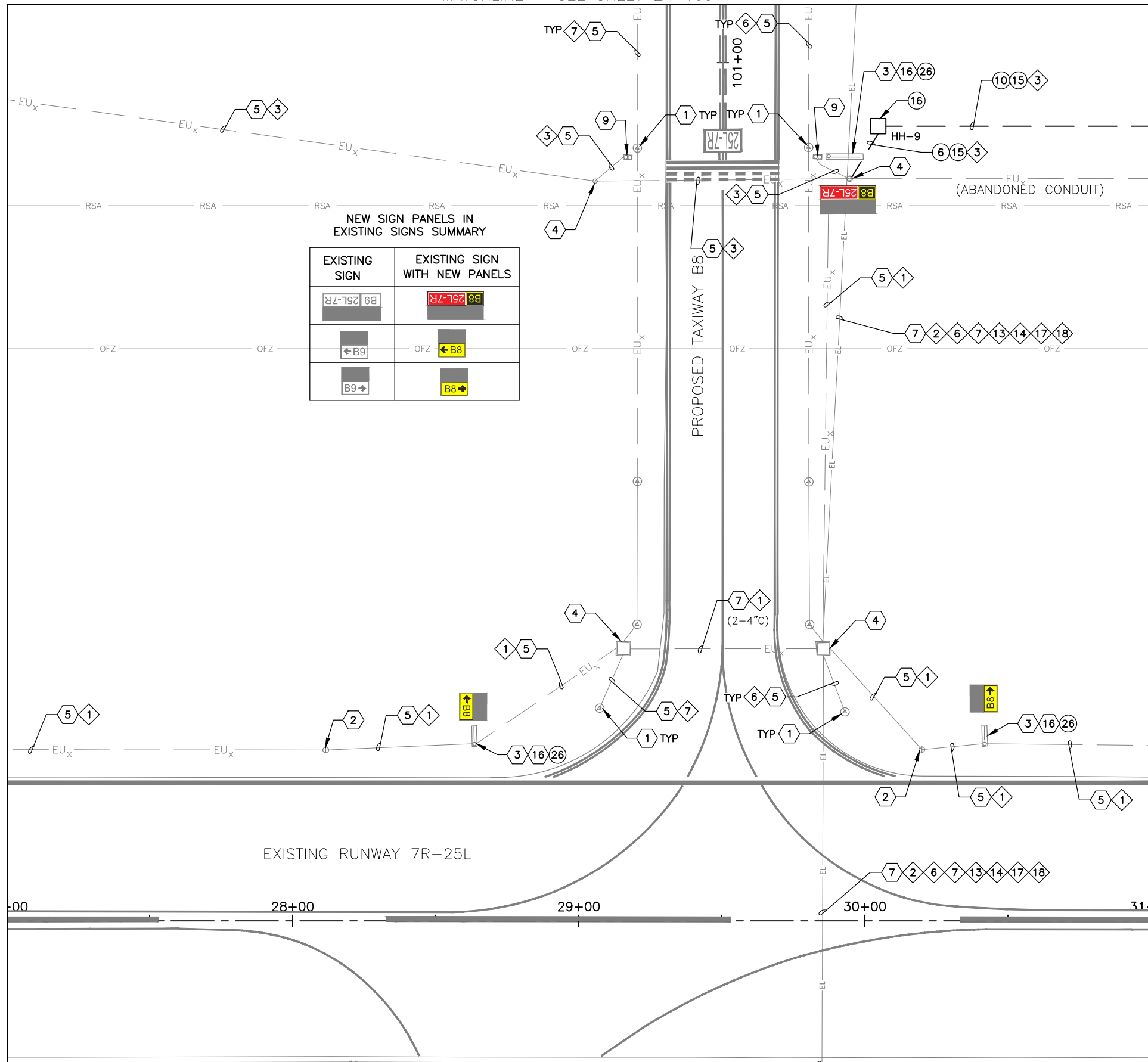
AIP NO.:3-04-0028-045-2023

SHEET OVERVIEW TITLE
AIRFIELD LIGHTING AND ELECTRICAL PLAN

MATCHLINE - SEE SHEET EA-103

MATCHLINE - SEE SHEET EA-109

MATCHLINE - SEE SHEET EA-111

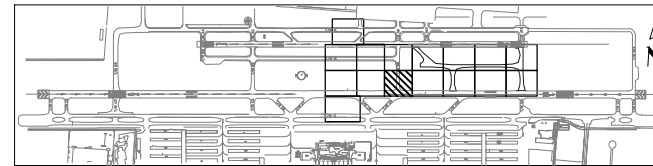


NEW SIGN PANELS IN EXISTING SIGNS SUMMARY

EXISTING SIGN	EXISTING SIGN WITH NEW PANELS

GENERAL NOTES

- COORDINATE WITH AIRPORT FOR LOCKOUT-TAGOUT OF AFFECTED CIRCUIT(S)
- INSTALL TEMPORARY AIRFIELD CIRCUIT JUMPER TO MAINTAIN OPERATION OF CIRCUIT(S)



- CONSTRUCTION NOTES
- 1-2°C SE (20 LF TOTAL)
 - 4-2°C SE (95 LF TOTAL)
 - 1/C, #8-5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (150 LF TOTAL)
 - NEW 4'x4'x4' HANDHOLE WITH AIRCRAFT RATED LID (1 TOTAL)
 - INSTALL NEW SIZE 1 SIGN PANELS IN EXISTING SIGN (12 TOTAL) - ADD ALT 1

- REFERENCE NOTES
- EXISTING TAXIWAY EDGE LIGHT
 - EXISTING RUNWAY EDGE LIGHT
 - EXISTING AIRFIELD GUIDANCE SIGN
 - EXISTING HANDHOLE OR JUNCTION CAN
 - EXISTING CONDUIT AND CONDUCTOR
 - EXISTING DUCTBANK
 - EXISTING ELEVATED RGL FIXTURE
 - INSTALL TEMPORARY SIGN PANELS ONLY IF GMP2 IS NOT CONSTRUCTED IMMEDIATELY FOLLOWING GMP1

- CIRCUIT IDENTIFICATION
- 1 RW 7R/25L
 - 2 RW 7L/25R
 - 6 TAXIWAY B EAST
 - 7 TAXIWAY B WEST
 - 3 RGL 7R
 - 13 PAPI 7L
 - 14 PAPI 25R
 - 17 REIL 7L
 - 18 REIL 25R

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DESIGNED BY: SW
DRAWN BY: JBW
CHECKED BY: CA
DATE: 04/05/2023
DWG SCALE: 1" = 20'

AIP NO.: 3-04-0028-045-2023

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
RELOCATE TAXIWAY B AND
CONSTRUCT CONNECTORS
B6 AND B9 - GMP 1
AV31000092 FAA

SHEET OVERVIEW TITLE
AIRFIELD LIGHTING AND ELECTRICAL PLAN

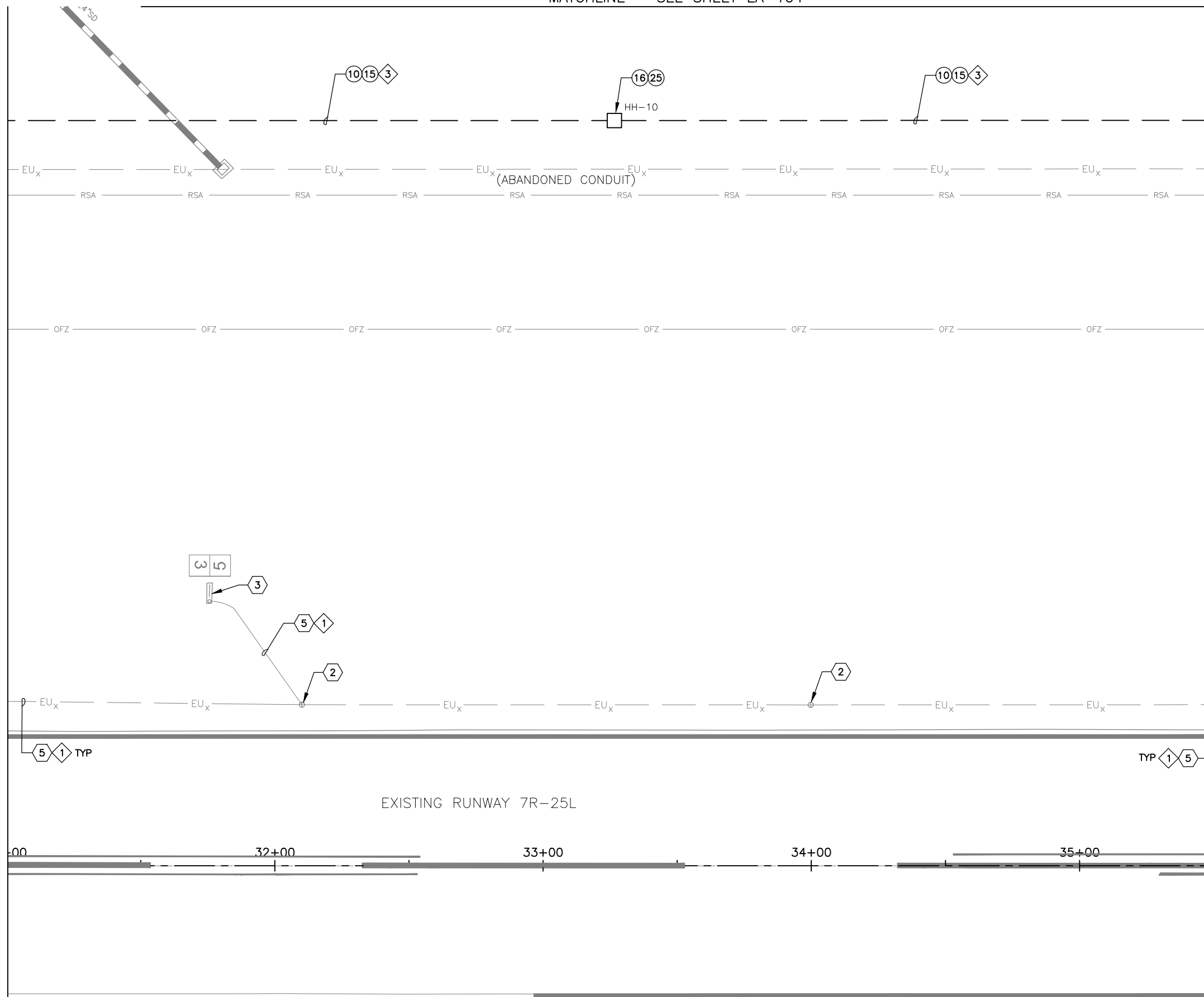
SHEET REFERENCE NUMBER:
EA-110

SHEET 87 OF 107

MATCHLINE - SEE SHEET EA-104

MATCHLINE - SEE SHEET EA-110

MATCHLINE - SEE SHEET EA-112



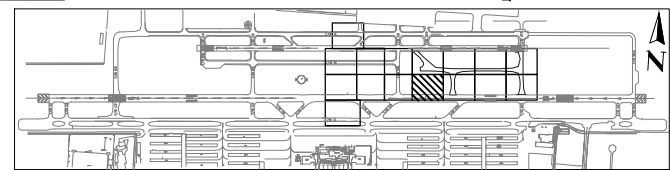
- CONSTRUCTION NOTES ○
- ⑩ 4-2" C SE (450 LF TOTAL)
 - ⑮ 2/C, #8-5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (480 LF TOTAL)
 - ⑯ NEW 4'x4'x4' HANDHOLE WITH AIRCRAFT RATED LID (1 TOTAL)
 - ⑵ INSTALL NEW RGL ISOLATION CONDUITS IN NEW OR EXISTING HANDHOLE (1 TOTAL)

- ◇ REFERENCE NOTES ◇
- ② EXISTING RUNWAY EDGE LIGHT
 - ③ EXISTING AIRFIELD GUIDANCE SIGN
 - ⑤ EXISTING CONDUIT AND CONDUCTOR

- ◇ CIRCUIT IDENTIFICATION ◇
- ① RW 7R/25L
 - ③ RGL 7R

GENERAL NOTES

1. COORDINATE WITH AIRPORT FOR LOCKOUT-TAGOUT OF AFFECTED CIRCUIT(S)
2. INSTALL TEMPORARY AIRFIELD CIRCUIT JUMPER TO MAINTAIN OPERATION OF CIRCUIT(S)

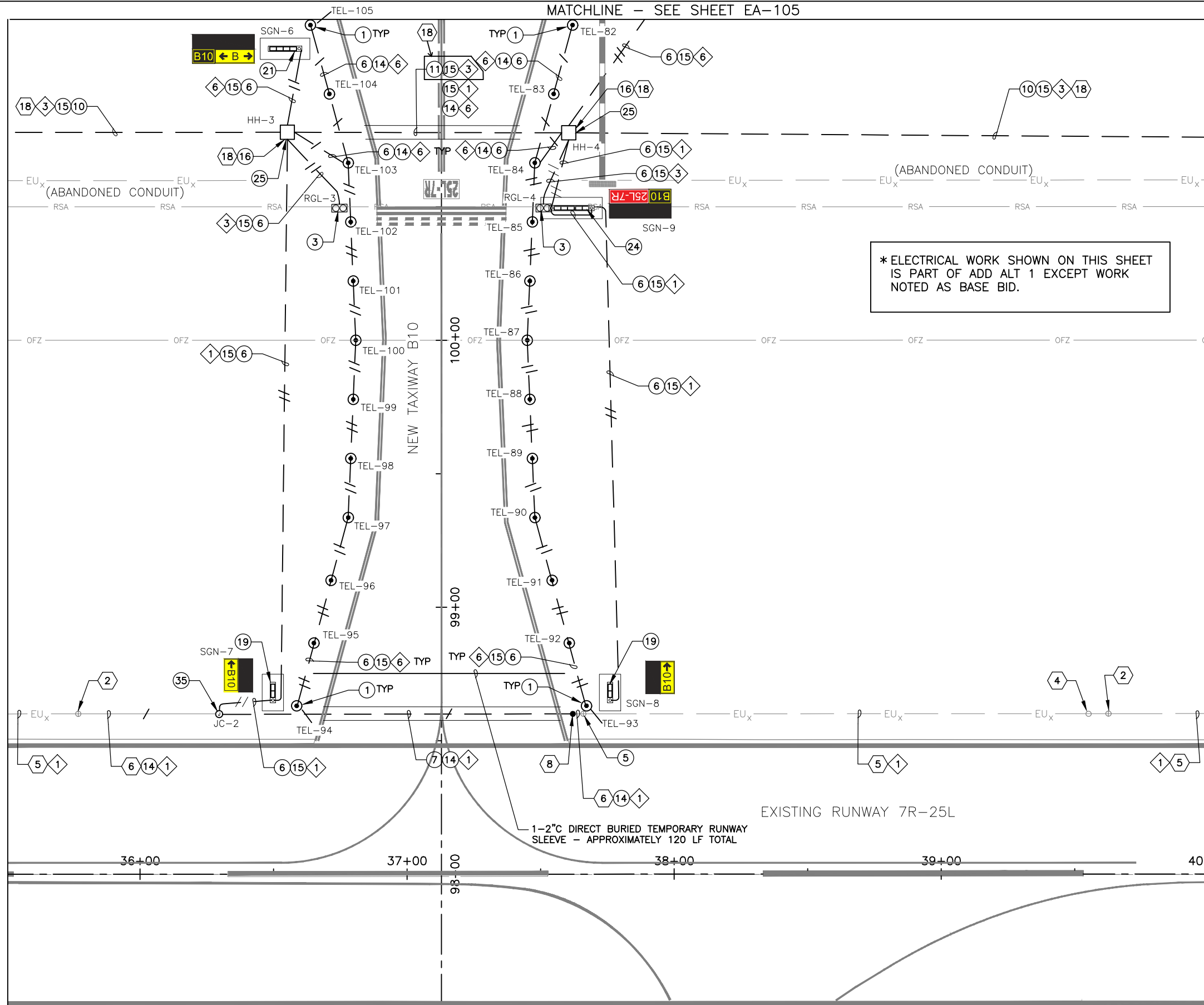


KEY MAP

<p>TRAGE CONSULTING 2021 E. Camelback Rd., Suite 202 Phoenix, AZ 85016 Phone: (480) 816-5541 Fax: (480) 816-5540 www.trage.com</p>	<p>PRIME CONSULTANT</p>	<p>SUB CONSULTANT</p>	
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<p>PHX DVT BYR CITY OF PHOENIX AVIATION DEPARTMENT DEER VALLEY AIRPORT RELOCATE TAXIWAY B AND CONSTRUCT CONNECTORS B6 AND B9 - GMP 1 AV31000092 FAA</p>			
<p>Designed by: SW Drawn by: JBW Checked by: CA Date: 04/05/2023 Dwg scale: 1" = 20'</p>			
<p>SHEET OVERVIEW TITLE</p> <p>AIRFIELD LIGHTING AND ELECTRICAL PLAN</p>			
<p>SHEET REFERENCE NUMBER: EA-111</p>			
<p>SHEET 88 OF 107</p>			

MATCHLINE - SEE SHEET EA-111

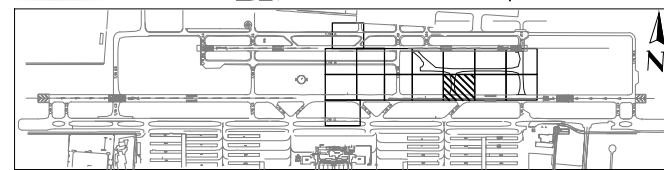
MATCHLINE - SEE SHEET EA-113



*ELECTRICAL WORK SHOWN ON THIS SHEET IS PART OF ADD ALT 1 EXCEPT WORK NOTED AS BASE BID.

GENERAL NOTES

- COORDINATE WITH AIRPORT FOR LOCKOUT-TAGOUT OF AFFECTED CIRCUIT(S)
- INSTALL TEMPORARY AIRFIELD CIRCUIT JUMPER TO MAINTAIN OPERATION OF CIRCUIT(S)



KEY MAP

CONSTRUCTION NOTES

- INSTALL NEW ELEVATED LED L-861T(L) TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER ON NEW L-867 BASE CAN. (24 TOTAL - ADD ALT 1)
- INSTALL NEW ELEVATED L-804(L) LED RUNWAY GUARD LIGHT AND ISOLATION TRANSFORMER ON NEW L-867 BASE CAN. (2 TOTAL - ADD ALT 1)
- INSTALL SALVAGED ELEVATED RUNWAY EDGE LIGHT AND ISOLATION TRANSFORMER ON EXISTING L-867 BASE CAN. (1 TOTAL - ADD ALT 1)
- 1-2°C SE (1,210 LF TOTAL- ADD ALT 1)
- 1-2°C CE (135 LF TOTAL - ADD ALT 1)
- 4-2°C SE (345 LF TOTAL - BASE BID)
- 4-2°C CE (105 LF TOTAL - BASE BID)
- 1/C, #8-5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (600 LF TOTAL - BASE BID)
- 2/C, #8-5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (510 LF TOTAL - BASE BID) (1,495 LF TOTAL - ADD ALT 1)
- NEW 4'x4'x4' HANDHOLE WITH AIRCRAFT RATED LID (2 TOTAL - BASE BID)
- INSTALL NEW L-858(L) LED, SIZE 1, 2-MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD. (2 TOTAL - ADD ALT 1)
- INSTALL NEW L-858(L) LED, SIZE 1, 4-MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD. (1 TOTAL - ADD ALT 1)
- INSTALL NEW L-858(L) LED, SIZE 1, 5-MODULE (2-MOD+3-MOD) AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW DOUBLE-ENDED SIGN BASE WITH ASPHALT MAINTENANCE PAD. (1 TOTAL - ADD ALT 1)
- INSTALL NEW RGL ISOLATION CONDUITS IN NEW OR EXISTING HANDHOLE (2 TOTAL - ADD ALT 1)
- NEW L-867B (12" DIA.) JUNCTION CAN (1 TOTAL - ADD ALT 1)

REFERENCE NOTES

- 2 EXISTING RUNWAY EDGE LIGHT
- 4 EXISTING HANDHOLE OR JUNCTION CAN
- 5 EXISTING CONDUIT AND CONDUCTOR
- 6 EXISTING CONDUIT
- 8 APPROXIMATE SPLICE POINT OF CONDUIT AND COUNTERPOISE
- 18 WORK ASSOCIATED WITH BASE BID

CIRCUIT IDENTIFICATION

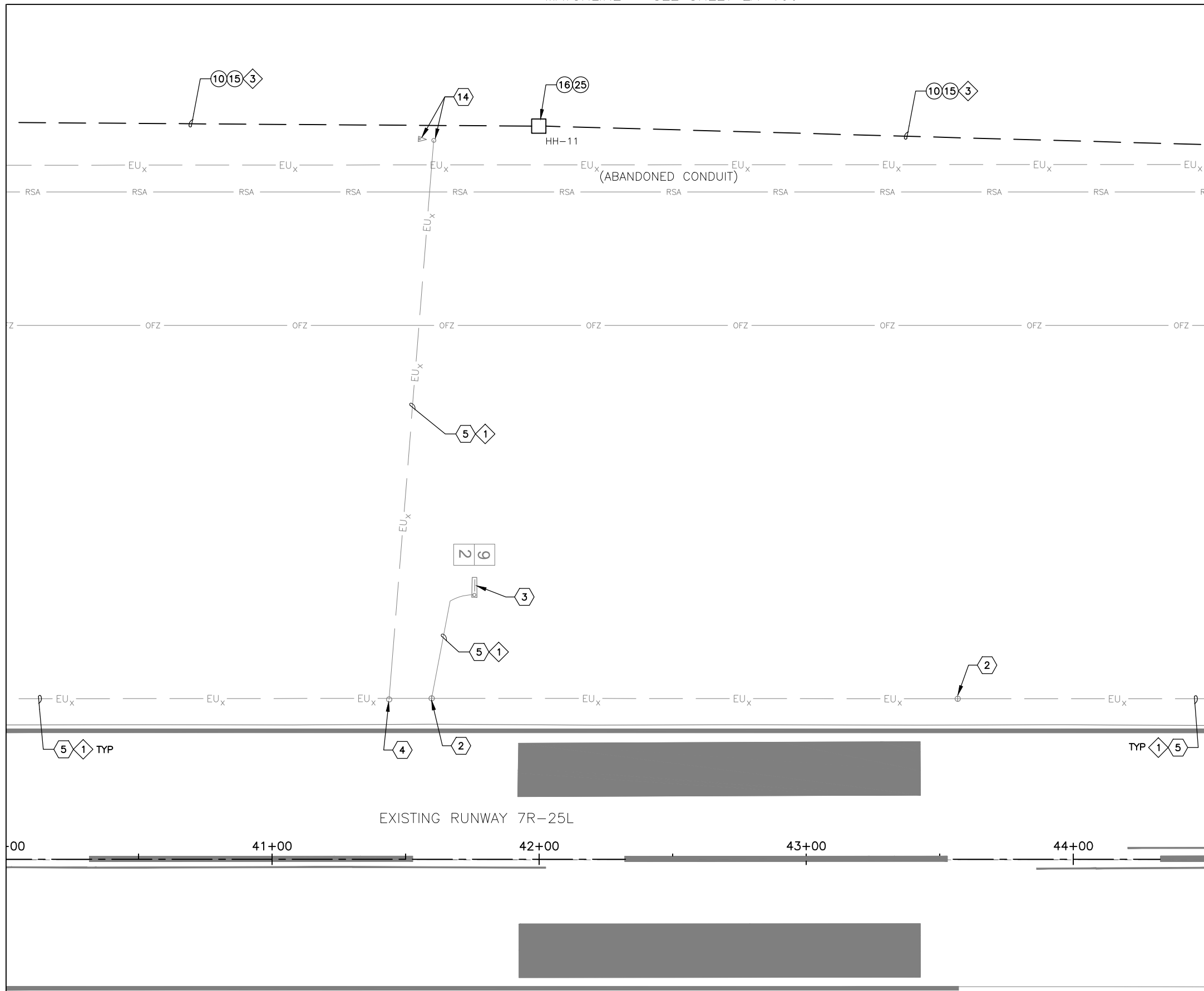
- 1 RW 7R/25L
- 3 RGL 7R
- 6 TAXIWAY B EAST



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<p>PHX DOT BYR CITY OF PHOENIX AVIATION DEPARTMENT DEER VALLEY AIRPORT RELOCATE TAXIWAY B AND CONSTRUCT CONNECTORS B6 AND B9 - GMP 1 AV31000092 FAA</p>		<p>Designed by: SW Drawn by: JBW Checked by: CA Date: 04/05/2023 Dwg scale: 1" = 20'</p>													
<p>AIRFIELD LIGHTING AND ELECTRICAL PLAN</p>		<p>SHEET REFERENCE NUMBER: EA-112 SHEET 89 OF 107</p>													

MATCHLINE - SEE SHEET EA-112

MATCHLINE - SEE SHEET EA-114



- CONSTRUCTION NOTES ○
- ⑩ 4-2°C SE (450 LF TOTAL)
 - ⑮ 2/C, #8-5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (480 LF TOTAL)
 - ⑯ NEW 4'x4'x4' HANDHOLE WITH AIRCRAFT RATED LID (1 TOTAL)
 - ⑰ INSTALL NEW RGL ISOLATION CONDUITS IN NEW OR EXISTING HANDHOLE (1 TOTAL)

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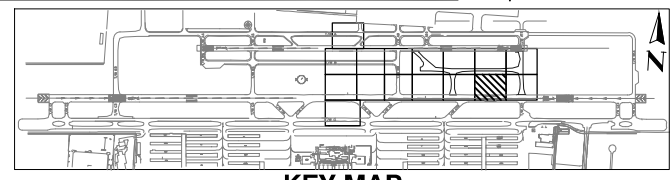
NO	REVISIONS / SUBMISSIONS	DATE

- ◇ REFERENCE NOTES ◇
- ② EXISTING RUNWAY EDGE LIGHT
 - ③ EXISTING AIRFIELD GUIDANCE SIGN
 - ④ EXISTING HANDHOLE OR JUNCTION CAN
 - ⑤ EXISTING CONDUIT AND CONDUCTOR
 - ⑭ EXISTING WINDCONE

- ◇ CIRCUIT IDENTIFICATION ◇
- ① RW 7R/25L
 - ③ RGL 7R

GENERAL NOTES

1. COORDINATE WITH AIRPORT FOR LOCKOUT-TAGOUT OF AFFECTED CIRCUIT(S)
2. INSTALL TEMPORARY AIRFIELD CIRCUIT JUMPER TO MAINTAIN OPERATION OF CIRCUIT(S)



KEY MAP

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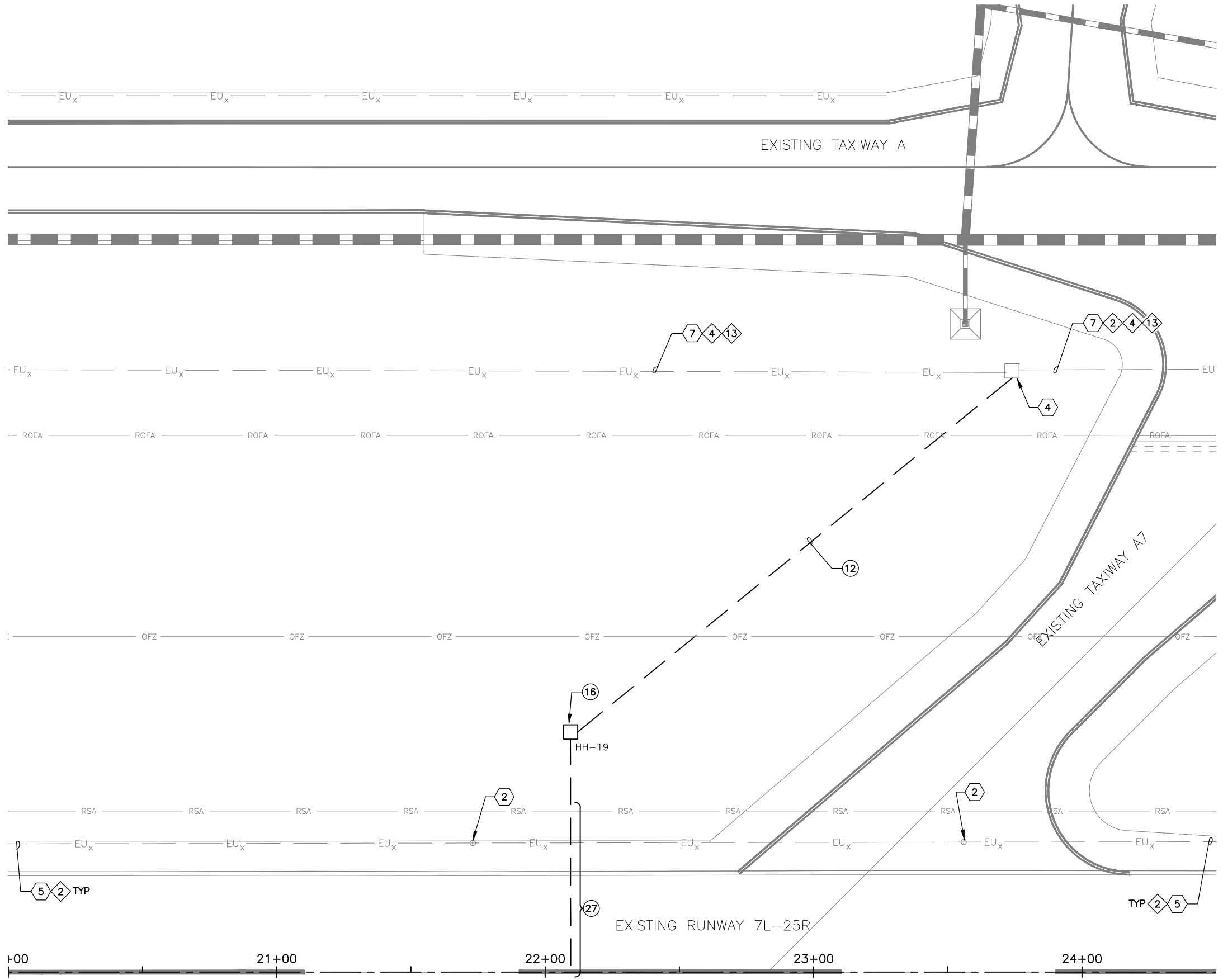
SHEET OVERVIEW TITLE

AIRFIELD LIGHTING AND ELECTRICAL PLAN

SHEET REFERENCE NUMBER:
EA-113

SHEET 90 OF 107

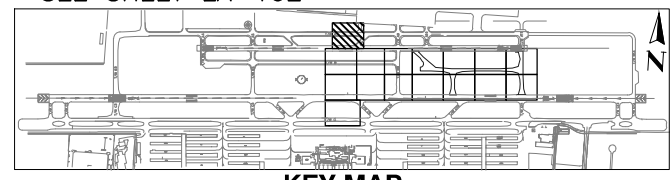
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- CONSTRUCTION NOTES ○
- ⑫ 6-2" C SE (250 LF)
 - ⑯ NEW 4'x4'x4' HANDHOLE WITH AIRCRAFT RATED LID (1 TOTAL)
 - ⑰ NEW 6-2" C (HDPE) DIRECTIONAL BORE (75 LF TOTAL)

- ◊ REFERENCE NOTES ◊
- ② EXISTING RUNWAY EDGE LIGHT
 - ④ EXISTING HANDHOLE OR JUNCTION CAN
 - ⑤ EXISTING CONDUIT AND CONDUCTOR
 - ⑦ EXISTING DUCTBANK

- ◊ CIRCUIT IDENTIFICATION ◊
- ② RW 7L/25R
 - ④ RGL 7L
 - ⑬ PAPI 7L



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**DEER VALLEY AIRPORT
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 CONSTRUCT CONNECTORS
 B6 AND B9 - GMP 1**
 AV31000092 FAA

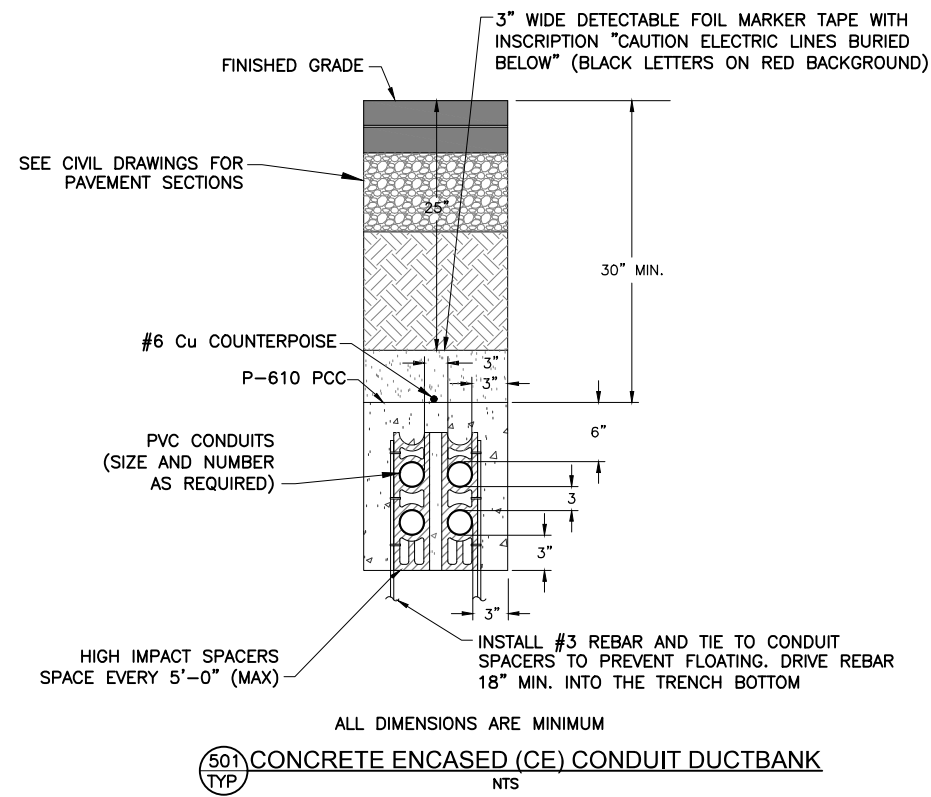
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AIP NO.:3-04-0028-045-2023

SHEET OVERVIEW TITLE
**AIRFIELD LIGHTING AND
 ELECTRICAL PLAN**

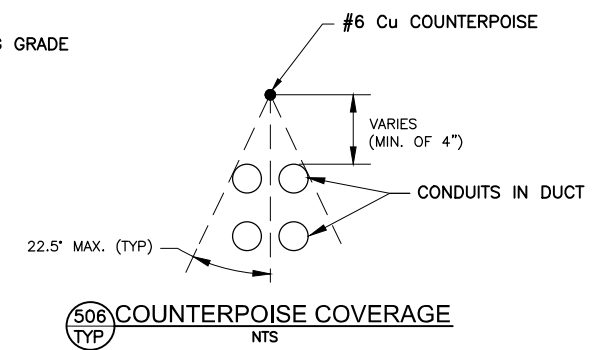
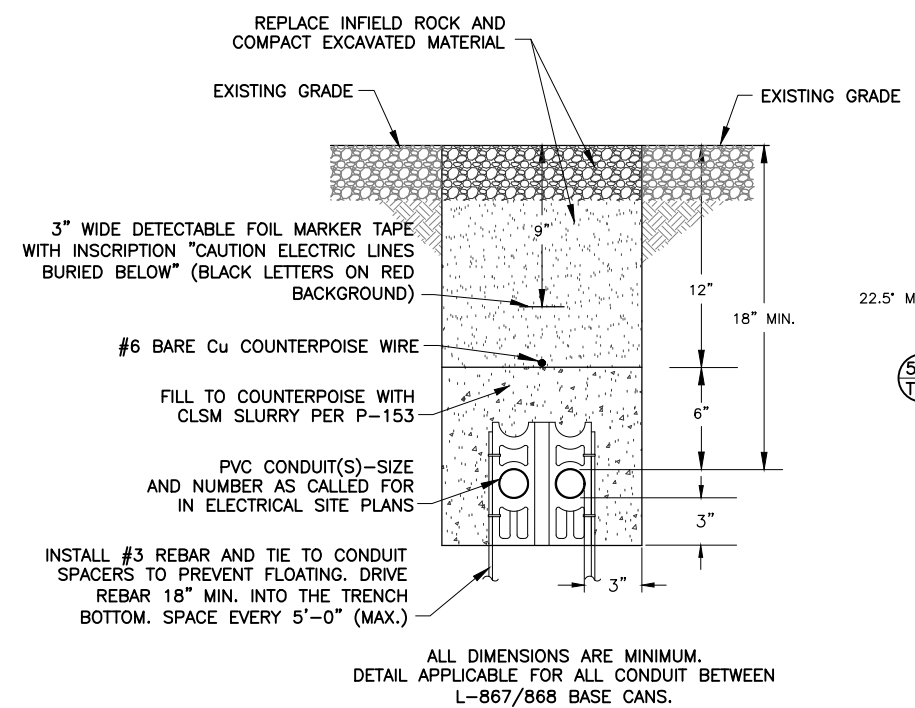
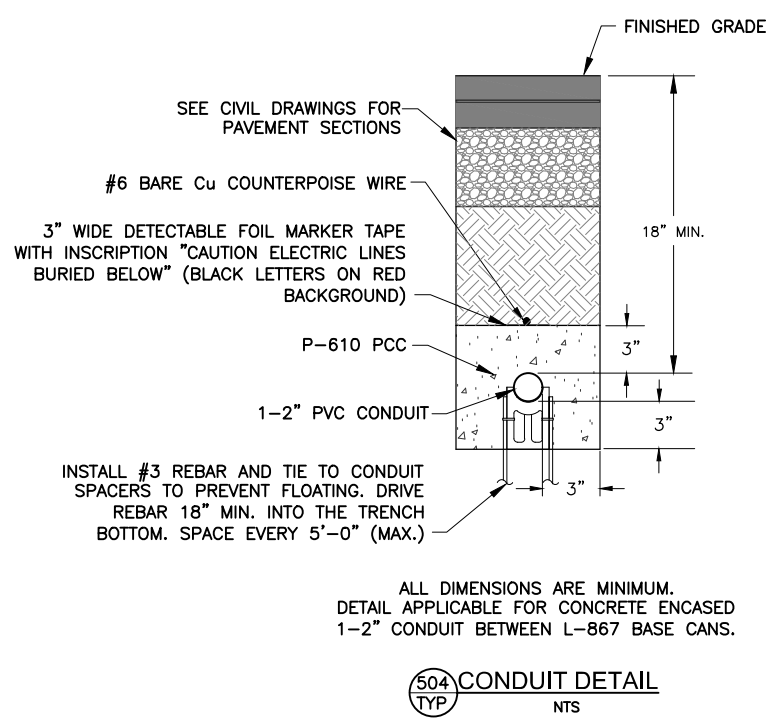
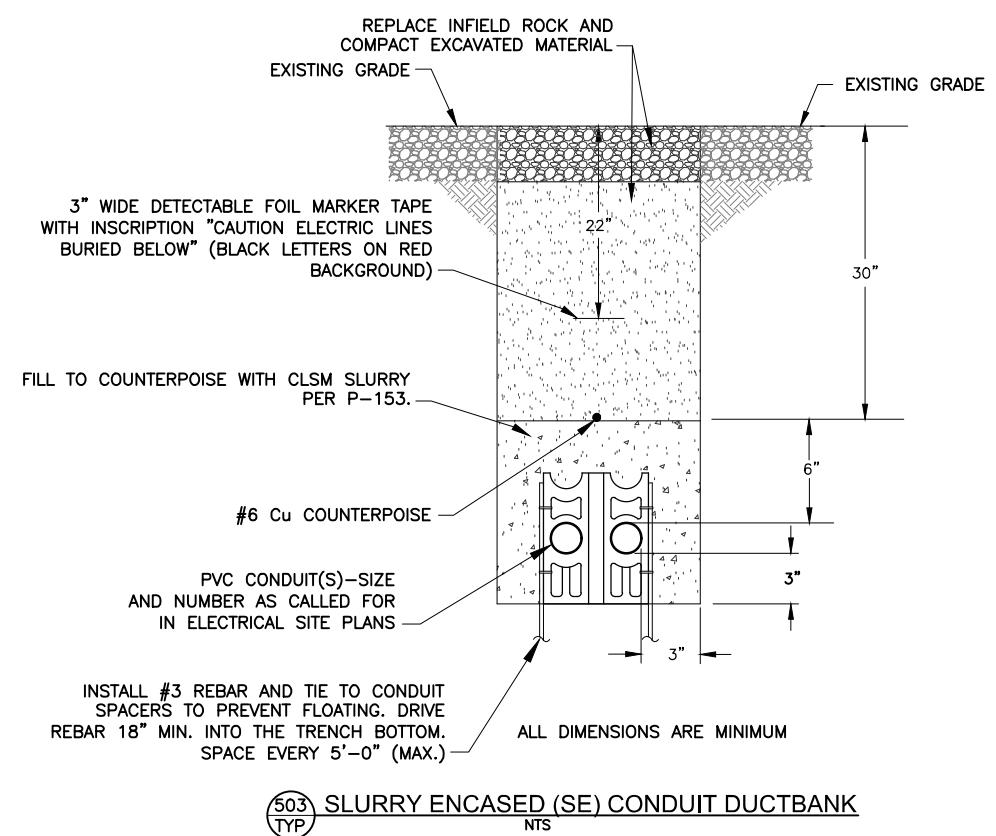
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 SHEET 92 OF 107

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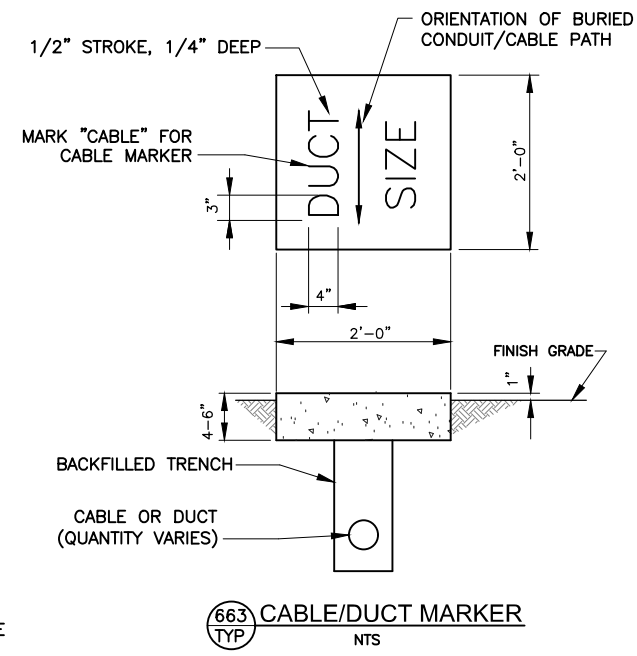


GENERAL NOTES FOR CONDUIT INSTALLATION

1. PROVIDE PULL STRING IN ALL (NEW) UNUSED CONDUITS. PLUG ENDS IN HANDHOLES.
2. P-610 CONCRETE ENCASE UNDER PAVEMENT AND AS OTHERWISE INDICATED ON PLANS.
3. INSTALL A #6 BARE COPPER (Cu) COUNTERPOISE IN EACH DUCT ASSEMBLY FROM HANDHOLE-TO-HANDHOLE AND EXOTHERMICALLY WELD TO GROUND RODS AT EACH HANDHOLE.
4. INSTALL LIGHTING SERIES CIRCUITS AS FOLLOWS:
 - A. ONE CIRCUIT (1 OR 2 CONDUCTORS) PER 2" C.
 - B. START INSTALLATION IN BOTTOM CONDUITS OF DUCT ARRAY, LEAVING THE UPPER CONDUITS EMPTY.
5. ALL UNDERGROUND CONDUITS SHALL MAINTAIN A 12" (MIN.) SEPARATION FROM ALL OTHER (EXISTING OR NEW) UNDERGROUND FACILITIES (I.E. WATER, SEWER, AND GAS LINES, INCLUDING BOTH PUBLIC AND PRIVATE), UNLESS NOTED OTHERWISE ON DRAWINGS
6. CONDUIT IN DUCTBANK(S) ARE TO BE STACKED NO MORE THAN TWO (2) CONDUITS. IF MORE CONDUITS ARE NEEDED, THE WIDTH OF THE TRENCH IS TO BE INCREASED.



- NOTE**
1. ADJUST COUNTERPOISE OFFSET ABOVE CONDUIT/DUCT (MIN. OF 4") TO PROVIDE A CONE OF PROTECTION (MAX. OF 22.5" EACH SIDE OF VERTICAL) ABOVE ALL CONDUITS.



- NOTES**
1. LOCATE THE MARKERS ABOVE THE ENDS AND DIRECTIONAL CHANGES OF ALL DUCTS OR DUCT BANKS, EXCEPT WHERE DUCTS TERMINATE IN THE HANDHOLE, MANHOLE, OR BUILDING. THE WORD "DUCT" MUST BE IMPRESSED ON EACH MARKER SLAB, AS WELL AS THE NUMBER AND SIZE OF DUCTS BENEATH THE MARKER.
 2. COST OF CONCRETE MARKERS IS INCIDENTAL TO THE ASSOCIATED ITEMS OF DUCTS IN ACCORDANCE WITH L-110.

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NO.	REVISIONS / SUBMISSIONS	DATE

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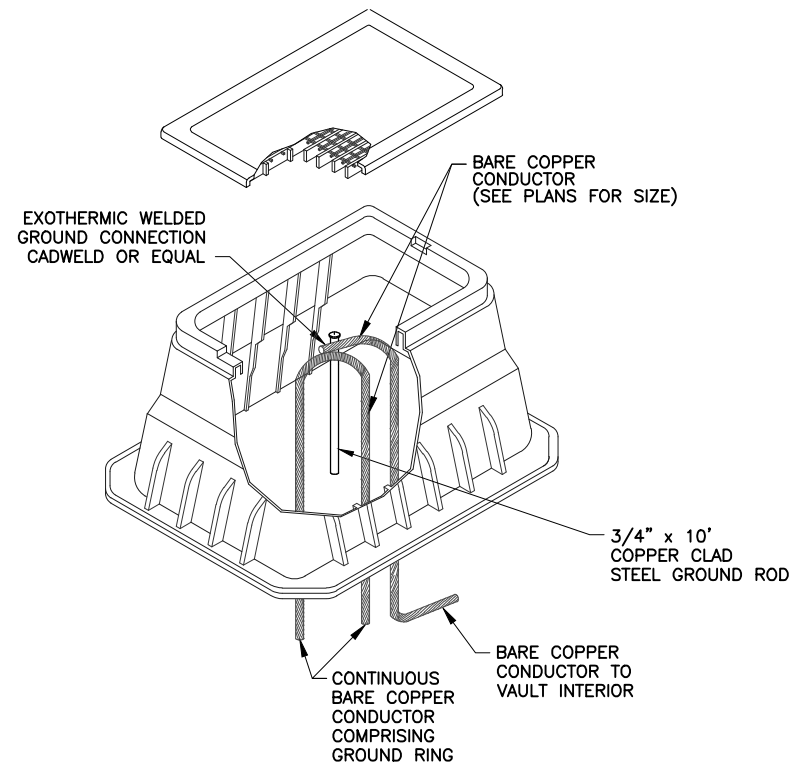
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ELECTRICAL DETAILS - CONDUIT DUCTBANKS AND DUCT MARKER

SHEET REFERENCE NUMBER:
EA-501

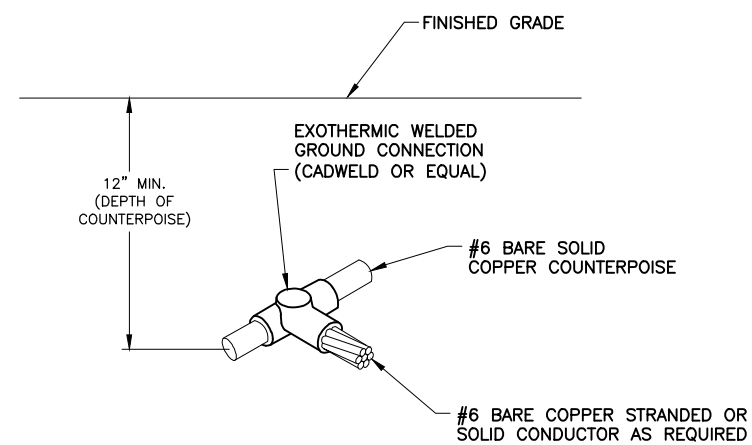
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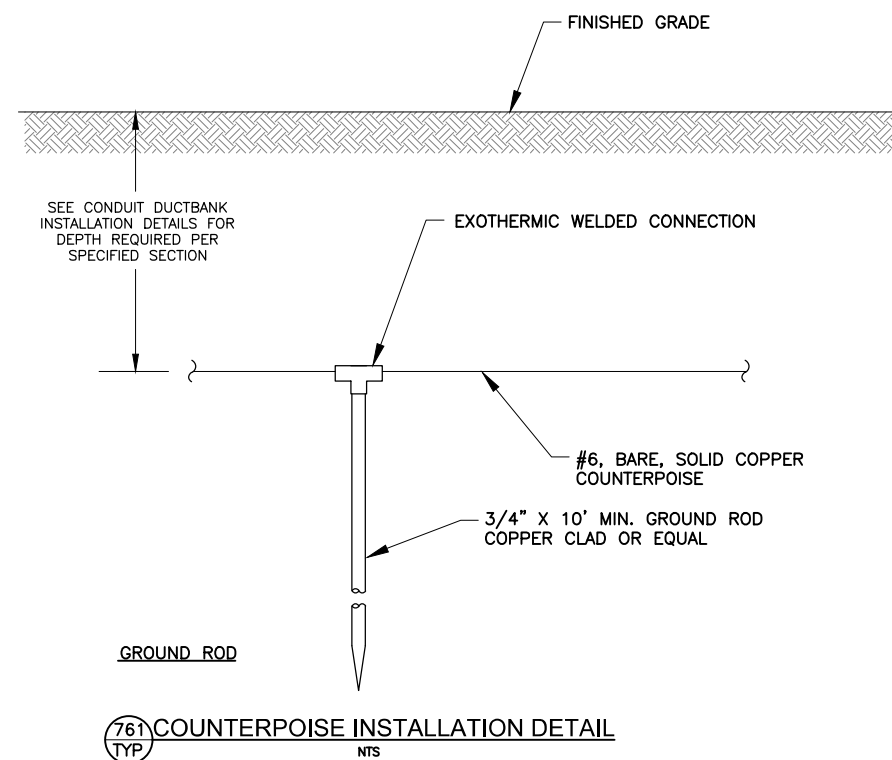
NOTES:

1. SUPPLY AN ACCESS WELL WITH GROUND ROD 20" x 12" x 15" INSIDE DIMENSIONS AS SUPPLIED BY PENCELL OR EQUAL
2. GROUND ROD TO BE DRIVEN 6" BELOW FINISHED GRADE.
3. ACCESS WELL COVER TO BE FLUSH WITH FINISHED GRADE.
4. WHERE TWO (2) OR MORE GROUND RODS ARE USED, THEY SHALL BE SPACED A MINIMUM OF 6 FEET APART.

566
TYP CABLE TO GROUND ROD CONNECTION - GROUND WELL
NTS



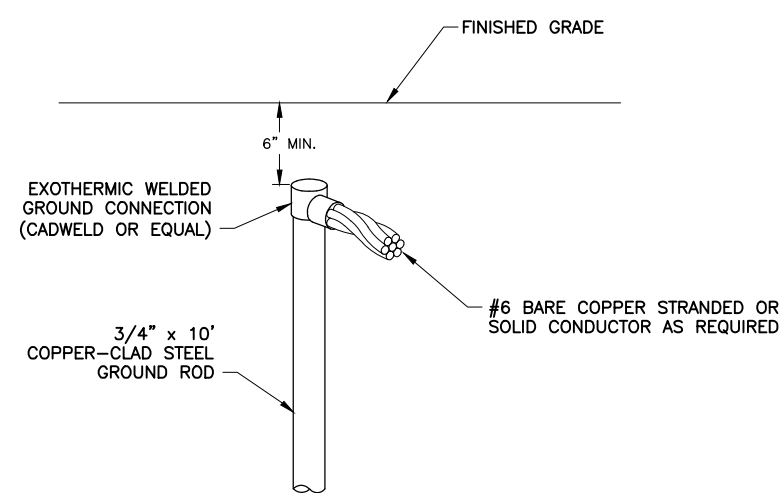
766
TYP COUNTERPOISE TO CABLE CONNECTION DETAIL
NTS



761
TYP COUNTERPOISE INSTALLATION DETAIL
NTS

NOTES:

1. COST OF GROUND RODS SHALL BE INCIDENTAL TO THE ASSOCIATED ITEMS REQUIRING GROUNDING UNLESS OTHERWISE SPECIFIED.
2. WHERE POSSIBLE, NEW COUNTERPOISE SYSTEM SHALL BE CONNECTED TO ANY EXISTING COUNTERPOISE SYSTEM ENCOUNTERED.
3. GROUNDING ELECTRODES INSTALLED AS PART OF THE COUNTERPOISE SYSTEM SHALL BE SPACED AT DISTANCES NO GREATER THAN 500 FT. (MAX).
4. REFER TO DETAILS 501 AND 502, SHEET E-501, FOR CONCRETE ENCASED CONDUITS. REFER TO DETAILS 503 AND 505, SHEET E-501, FOR SLURRY ENCASED CONDUITS.
5. MAINTAIN SIX INCH (MINIMUM) VERTICAL SEPARATION BETWEEN COUNTERPOISE AND TYPE "C" CABLE IN 2" CONDUIT.
6. PROVIDE GROUND ROD FOR EXOTHERMICALLY WELDING TO COUNTERPOISE AT END OF SINGLE CONDUITS TERMINATING AT FIXTURE OR SIGN BASES IF DISTANCE IS GREATER THAN 100' FROM HANDHOLE OR LAST INSTALLED COUNTERPOISE ROD.



767
TYP CABLE TO GROUND ROD CONNECTION DETAIL
NTS

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PHX **AVT** **BYR**

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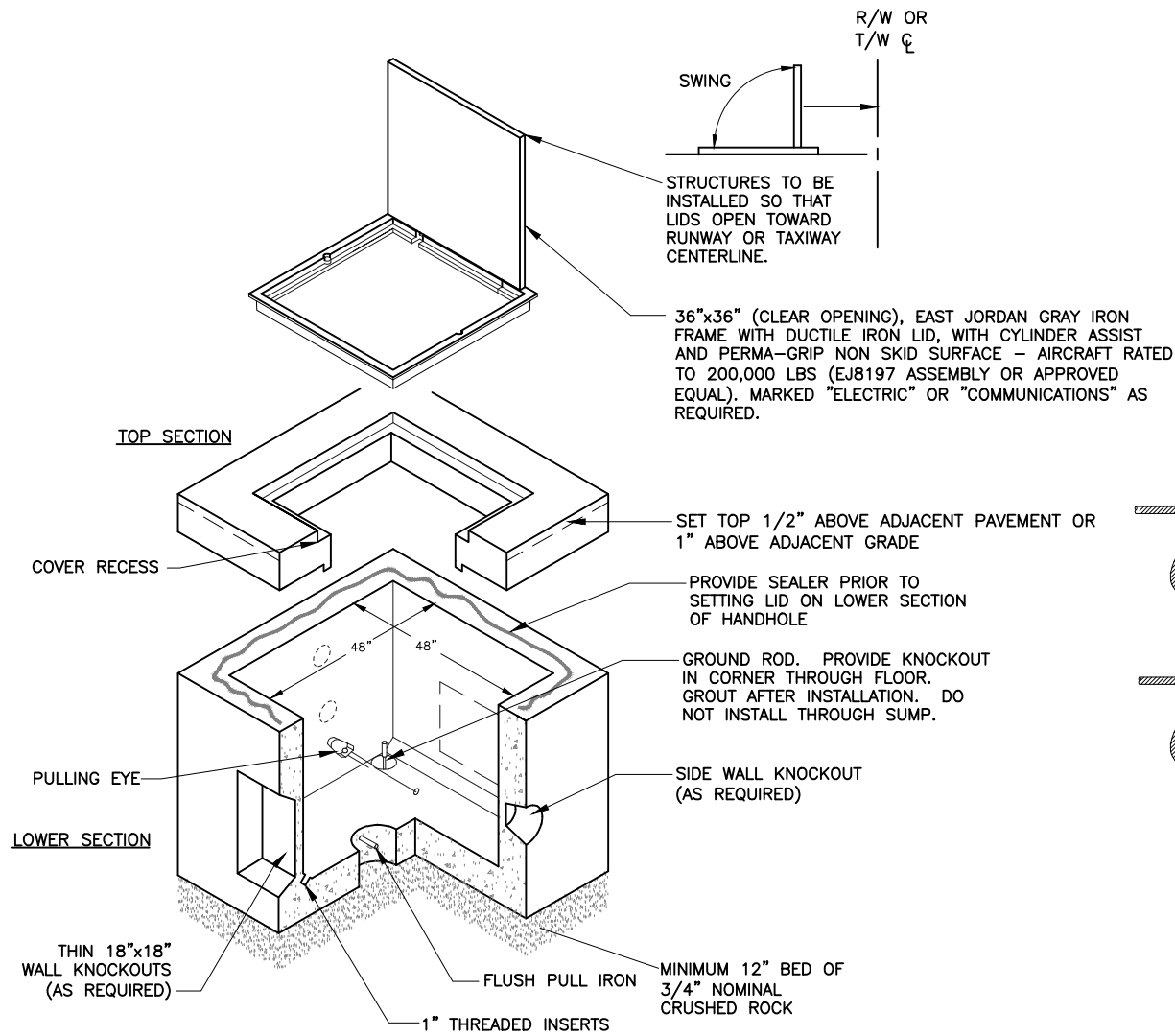
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SHEET OVERVIEW TITLE

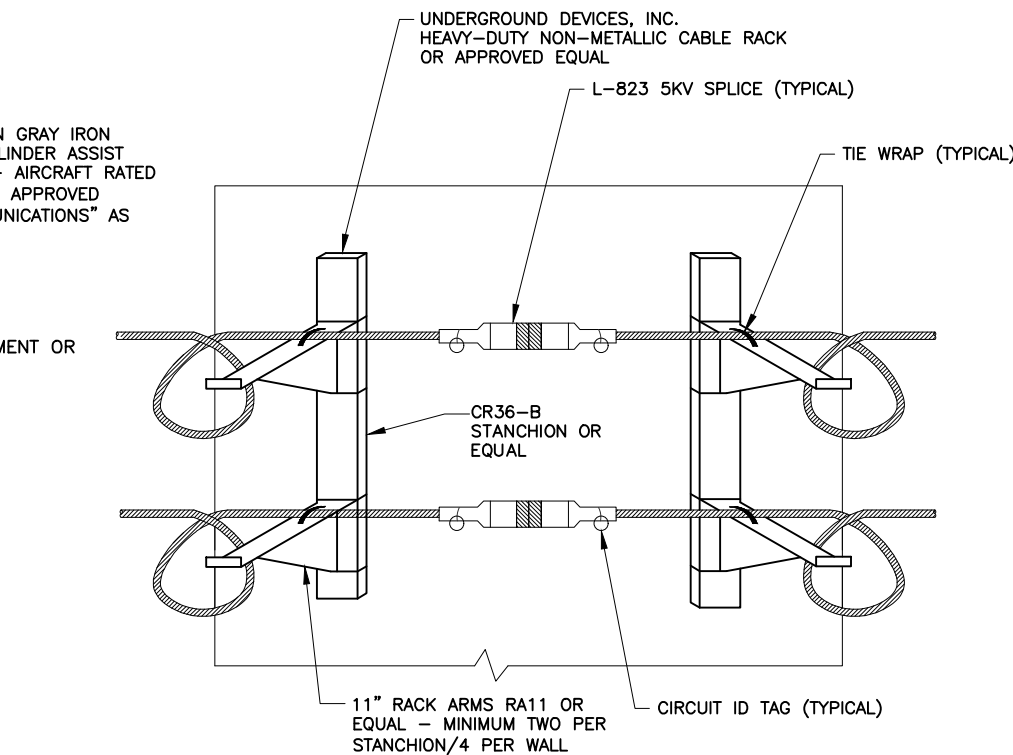
**ELECTRICAL DETAILS -
COUNTERPOISE AND GROUNDING**

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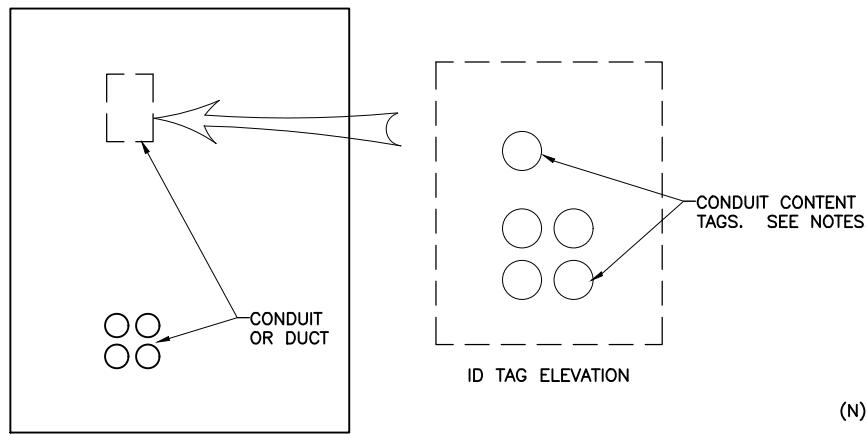
HANDHOLE NOTES:

1. ALL STEEL, OTHER THAN REBAR, TO BE HOT DIPPED GALVANIZED AFTER FABRICATION.
2. PROVIDE ALL HANDHOLES WITH CABLE RACKS AND PULLING EYES PER SPECIFICATIONS.
3. PROVIDE CABLE ROUTING ID TAGS AT EACH HANDHOLE.
4. PROVIDE GROUND ROD FOR EACH HANDHOLE PER SPECIFICATIONS.
5. GROUT ALL CONDUIT PENETRATIONS.
6. PROVIDE MANUFACTURER DRAWINGS AND STRUCTURAL CALCULATIONS FOR ALL CONCRETE ELEMENTS OF HANDHOLES AND FABRICATED TRAFFIC LIDS.
7. **NOTE:** DO NOT CONNECT COUNTERPOISE TO GROUNDING SYSTEM. ROUTE AROUND HANDHOLES.
8. PROVIDE SUMP DRAIN WITH GRATE IN HANDHOLE STRUCTURE FLOOR. KNOCK BOTTOM OUT OF SUMP DURING INSTALLATION.



(A) CABLE RACKING DETAIL
NTS

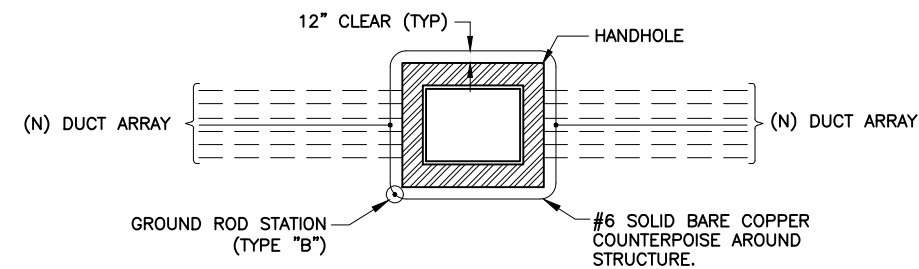
1. PROVIDE NON-METALLIC, NON-CONDUCTIVE, RACK ARMS, BOLTED TO CHANNELS INSET IN HANDHOLE WALLS. PROVIDE MIN. (2) ARMS FOR EVERY WALL.
2. CABLE RACKING SHALL BE LIMITED TO THE UPPER HALF OF THE HANDHOLE.
3. PROVIDE 2 CIRCUIT TAGS FOR EVERY L-823 CABLE SPLICE IN HH WITHIN 24" OF SPLICE.
4. PROVIDE A MIN. OF TEN FEET OF CABLE BETWEEN ENTRY POINT AND L-823 SPLICE.
 - a. DUCT/CONDUIT ARRAY SHALL ENTER HANDHOLE IN LOWER HALF OF THE HANDHOLE.
 - b. PROVIDE BELL END FOR EVERY CONDUIT IN THE ARRAY.
 - c. GROUT AROUND/BETWEEN CONDUITS & CONCRETE WALL.



(B) CABLE ROUTING IDENTIFICATION TAG DETAIL
NTS

PLAQUE NOTES:

1. AFFIX ENGRAVED PHENOLIC TAGS TO THE WALL WITH SILICONE SEALANT ABOVE THE DUCT OR CONDUIT ENTRY IN A WAY THAT MIMICS THE ARRAY. WIRE BRUSH CONCRETE WALL TO ASSURE ADHESION.
2. THE TAGS SHALL BE APPROX 1"H x 2"L AND SHALL HAVE MINIMUM 1/4" LETTERING.



(C) HANDHOLE COUNTERPOISE DETAIL
NTS

NOTES:

- ALL COUNTERPOISE WIRES FOR DUCT BANKS AND CONDUITS TO BE EXOTHERMICALLY WELDED TO COUNTERPOISE LOOP AROUND STRUCTURE

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NO.	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
RELOCATE TAXIWAY BAND
CONSTRUCT CONNECTORS
B6 AND B9 - GMP 1
AV31000092 FAA

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 04/05/2023
Dwg scale: NTS

AIP NO.:3-04-0028-045-2023

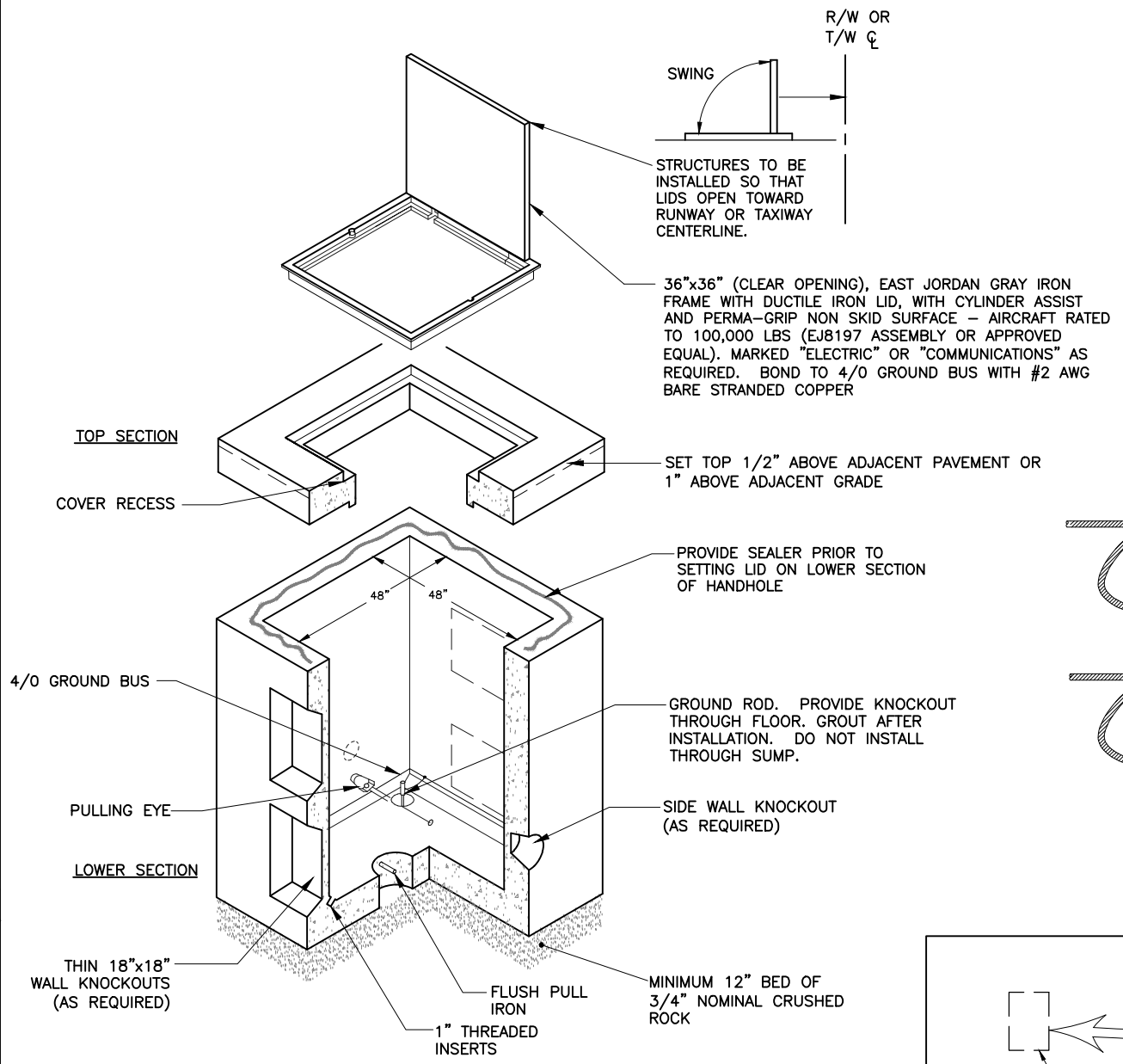
ELECTRICAL DETAILS - 4'x4' HANDHOLE

SHEET REFERENCE NUMBER:
EA-503

SHEET OVERVIEW TITLE

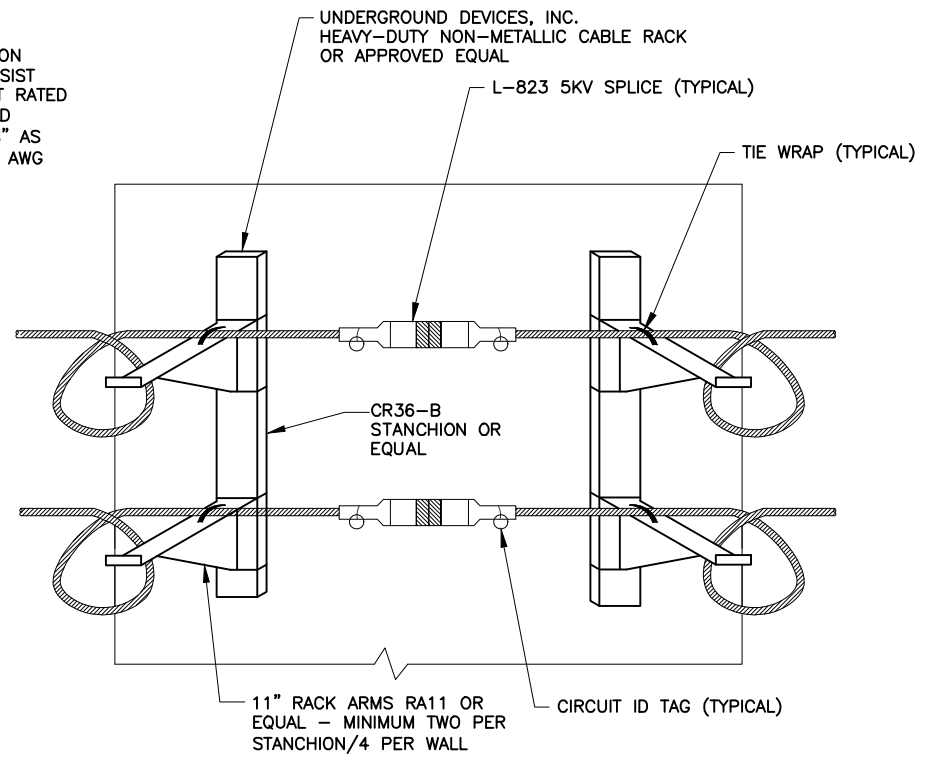
SHEET 96 OF 107

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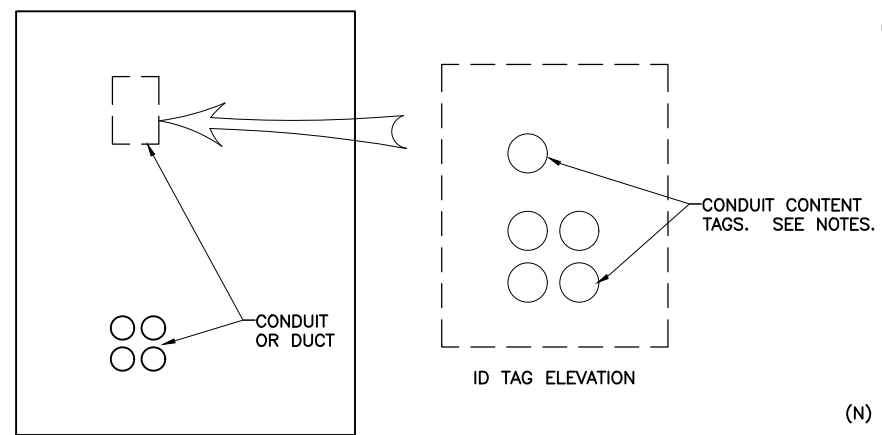


961 4'x4'x5' CONCRETE HANDHOLE DETAIL
NTS
(AIRCRAFT LOAD RATED SEE SPEC L-115)

- HANDHOLE NOTES:**
- ALL STEEL, OTHER THAN REBAR, TO BE HOT DIPPED GALVANIZED AFTER FABRICATION.
 - PROVIDE ALL HANDHOLES WITH CABLE RACKS & PULLING EYES PER SPECIFICATIONS.
 - PROVIDE CABLE ROUTING PLAQUE AT EACH HANDHOLE.
 - PROVIDE GROUND ROD FOR EACH HANDHOLE PER SPECIFICATIONS.
 - GROUT ALL CONDUIT PENETRATIONS.
 - PROVIDE MFR DWGS AND STRUCTURAL CALCS FOR ALL CONCRETE ELEMENTS OF HANDHOLES AND FABRICATED TRAFFIC LIDS.
 - NOTE:** DO NOT CONNECT COUNTERPOISE TO GROUNDING SYSTEM. ROUTE AROUND HANDHOLES.
 - INSTALL #4/0 BARE STRANDED COPPER GROUNDING BUS, LOOP THE WALLS ONE (1) FOOT ABOVE THE FLOOR, EXOTHERMIC WELD TO GROUND ROD, UTILIZE #2 BARE STRANDED COPPER AND BOND GROUNDING BUS TO ALL TRAYS, RACKS, AND OTHER METAL HARDWARE (EXOTHERMIC WELDS TO BUS AND MECHANICAL CONNECTIONS TO HARDWARE). SEE HANDHOLE NOTE 11.
 - PROVIDE SUMP DRAIN WITH GRATE IN HANDHOLE STRUCTURE FLOOR. KNOCK BOTTOM OUT OF SUMP DURING INSTALLATION.
 - SEE DUCTBANK INSTALLATION PLANS FOR HANDHOLE DIMENSION REQUIREMENTS.
 - 4/0 GROUND BUS NOT REQUIRED IN COMMUNICATIONS HANDHOLES CONTAINING FIBER OPTICS CABLE.

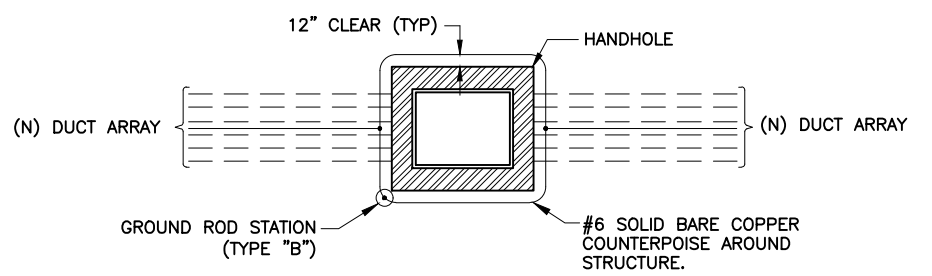


A CABLE RACKING DETAIL
NTS



B CABLE ROUTING IDENTIFICATION TAG DETAIL
NTS

- PLAQUE NOTES:**
- AFFIX ENGRAVED PHENOLIC TAGS TO THE WALL WITH SILICONE SEALANT ABOVE THE DUCT OR CONDUIT ENTRY IN A WAY THAT MIMICS THE ARRAY. WIRE BRUSH CONCRETE WALL TO ASSURE ADHESION.
 - THE TAGS SHALL BE APPROX 1"H x 2"L AND SHALL HAVE MINIMUM 1/4" LETTERING.



C HANDHOLE COUNTERPOISE DETAIL
NTS

- NOTES:**
- ALL COUNTERPOISE WIRES FOR DUCT BANKS AND CONDUITS TO BE EXOTHERMICALLY WELDED TO COUNTERPOISE LOOP AROUND STRUCTURE

- PROVIDE NON-METALLIC, NON-CONDUCTIVE, RACK ARMS, BOLTED TO CHANNELS INSET IN HANDHOLE WALLS. PROVIDE MIN. (2) ARMS FOR EVERY WALL.
- CABLE RACKING SHALL BE LIMITED TO THE UPPER HALF OF THE HANDHOLE.
- PROVIDE 2 CIRCUIT TAGS FOR EVERY L-823 CABLE SPLICE IN HH WITHIN 24" OF SPLICE.
- PROVIDE A MIN. OF TEN FEET OF CABLE BETWEEN ENTRY POINT AND L-823 SPLICE.
- RACK CABLES ON SIDE(S) OF ENTRY/EXIT CONDUITS.
 - DUCT/CONDUIT ARRAY SHALL ENTER HANDHOLE IN LOWER HALF OF THE HANDHOLE.
 - PROVIDE BELL END FOR EVERY CONDUIT IN THE ARRAY.
 - GROUT AROUND/BETWEEN CONDUITS & CONCRETE WALL.

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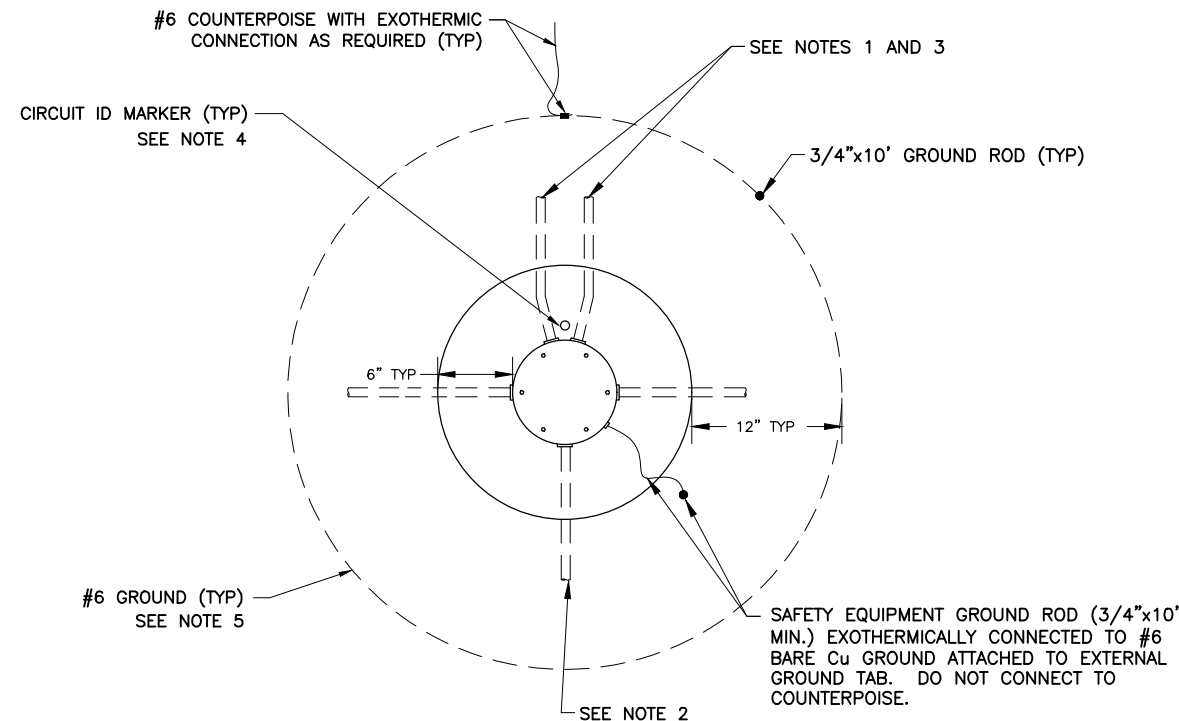
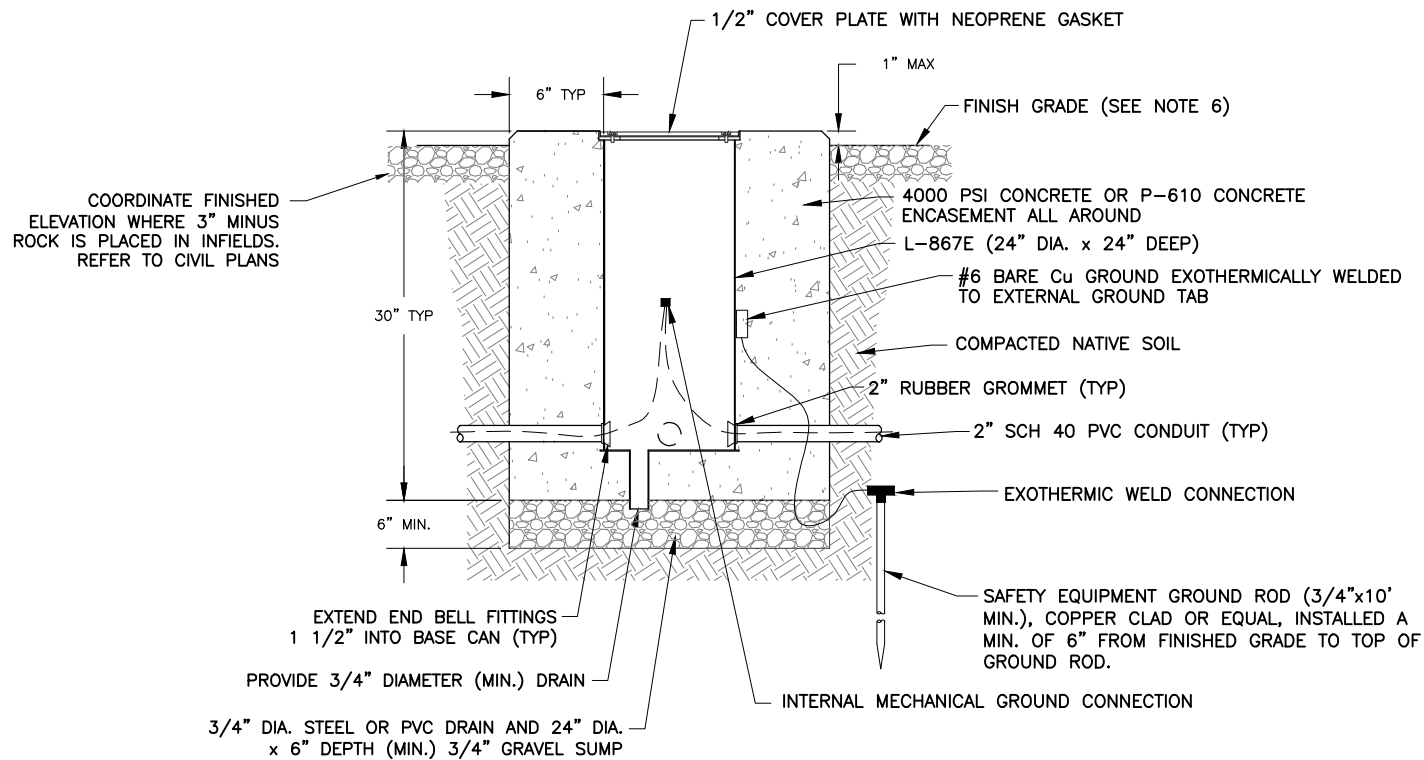
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Drawn by: JBW			

AIP NO.:3-04-0028-045-2023

SHEET OVERVIEW TITLE

ELECTRICAL DETAILS - 4'x4'x5' HANDHOLE

SHEET REFERENCE NUMBER:
EA-504



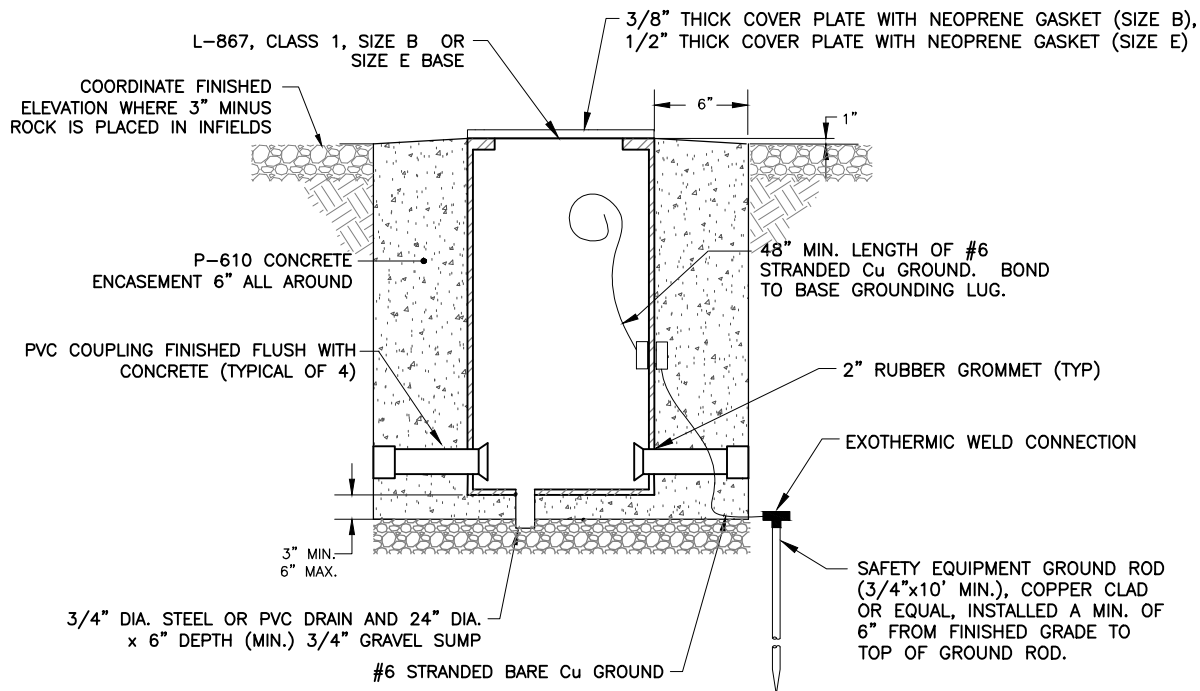
821 L-867E JUNCTION CAN DETAIL
TYP NTS

NOTES:

1. NUMBER OF JUNCTION CANS AND CONDUIT CONFIGURATIONS VARY. SEE LAYOUT PLAN SHEETS FOR ORIENTATION. PROVIDE 2" SPARE CONDUIT FOR EACH CIRCUIT AT TAXIWAY CROSSINGS.
2. CONDUITS WHICH ARE NOT USED IN THE PROJECT SHALL BE CAPPED 4" OUTSIDE OF CONCRETE.
3. ORIENT JUNCTION CAN AS SHOWN ON ELECTRICAL SITE PLANS.
4. CONTRACTOR SHALL PROVIDE A 2" DIAMETER DOMED BRONZE MARKER AT EACH JUNCTION AS SHOWN. MARKER SHALL BE STAMPED WITH CIRCUIT IDENTIFICATION AS SHOWN ON DETAIL 664, SHEET EA-506
5. INSTALL GROUND ROD AND GROUND LOOP AT ALL JUNCTION CAN AS SHOWN. ONE GROUND ROD SHALL BE PROVIDED. COUNTERPOISE SHALL BE LOCATED NOMINALLY 6" ABOVE CONDUITS. DO NOT BOND TO JUNCTION CANS.
6. CONTRACTOR SHALL GRADE AROUND JUNCTION CAN AS NECESSARY TO PREVENT SILT/DIRT INFILTRATION ONTO JUNCTION CAN. NO SEPARATE PAYMENT SHALL BE MADE.
7. EACH JUNCTION CAN HAS 4-2" GROMMETED HUBS. HUBS SHALL BE PLACED IN TWO LAYERS AND THE HUBS IN ONE LAYER SHALL BE 90° FROM THE HUBS IN THE OTHER LAYER. EACH PAIR OF HUBS SHALL BE 180° APART. MODIFICATION MAY BE REQUIRED TO ADD SPARE CONDUIT ENTRY HUB. SEAL UNUSED OPENINGS AS REQUIRED.
8. JUNCTION CANS SHALL BE INSTALLED SUCH THAT THE TOP FLANGE IS FLUSH (+0, -1/8") WITH THE TOP OF CONCRETE

GENERAL NOTES:

1. LEAVE APPROXIMATELY SIX (6) FEET OF EACH CABLE COILED IN JUNCTION CAN SO THAT EACH CABLE MAY BE RAISED A MINIMUM OF TWO (2) FEET ABOVE TOP OF CAN.
2. CONTRACTOR SHALL PROVIDE CABLE CIRCUIT IDENTIFICATION (ID) MARKERS ATTACHED TO EACH CABLE ENTERING AND LEAVING JUNCTION CANS. IF NO L-823 CONNECTOR IS PRESENT, INSTALL ONE (1) ID MARKER.
3. TRANSITION FROM MULTI-WAY CONDUIT TRENCH TO JUNCTION CAN REQUIRES DISTRIBUTION OF 2" SCH 40 PVC TO EACH JUNCTION CAN. CONTRACTOR SHALL LIMIT CONDUIT BENDS TO 45 DEG. MAXIMUM.
4. CONTRACTOR SHALL INSTALL L-823 CONNECTORS IN A CONSISTENT MANNER FROM JUNCTION CAN TO THE NEXT. EACH SEGMENT OF #8 L-824C, 5KV CABLE IN THE AIRFIELD SHALL HAVE A MALE L-823 CONNECTOR ON ONE END AND A FEMALE CONNECTOR ON THE OTHER.



902 PRE-CAST L-867 FIXTURE BASE/JUNCTION CAN
TYP NTS

NOTES:

1. CONTRACTOR MAY FURNISH PRE-CAST CONCRETE JUNCTION CANS AND FIXTURE BASES FOR INSTALLATION IN UNPAVED SHOULDERS AND INFIELDS OR RETROFIT IN EXISTING PAVED SHOULDERS. REFER TO CIVIL PLANS FOR FINISHED GRADE AND MATERIALS.
2. ONE-PIECE SONOTUBES OF CORRECT DIAMETER FOR 6" MIN. CONCRETE SURROUND MAY BE UTILIZED FOR ONE-TIME USE ONLY. ROUND COLUMN FORMS SPECIFICALLY DESIGNED FOR MULTIPLE USE MAY BE USED.
3. CONTRACTOR SHALL SUBMIT ON SPECIFIC PRE-CAST MEANS AND METHODS FOR ENGINEER REVIEW AND APPROVAL.
4. REFER TO ELEVATED TAXIWAY AND/OR RUNWAY GUARD LIGHT FIXTURE AND COUNTERPOISE INSTALLATION DETAILS.

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NO	REVISIONS / SUBMISSIONS	DATE

PHX CITY OF PHOENIX
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DEER VALLEY AIRPORT
RELOCATE TAXIWAY BAND
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B6 AND B9 - GMP 1
AV31000092 FAA

Designed by: SW
Drawn by: JBW
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Dwg scale: NTS

AIP NO.:3-04-0028-045-2023

SHEET OVERVIEW TITLE
ELECTRICAL DETAILS - JUNCTION CAN

SHEET REFERENCE NUMBER:
EA-505
SHEET 98 OF 107

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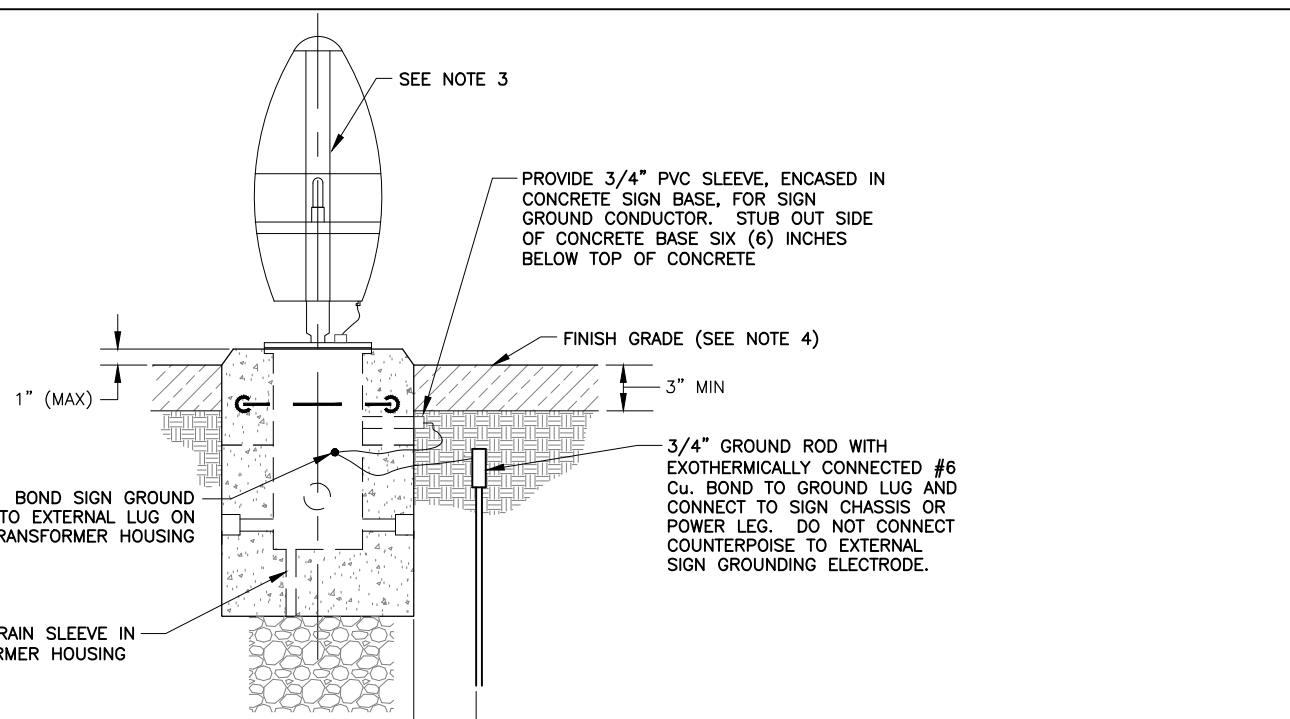
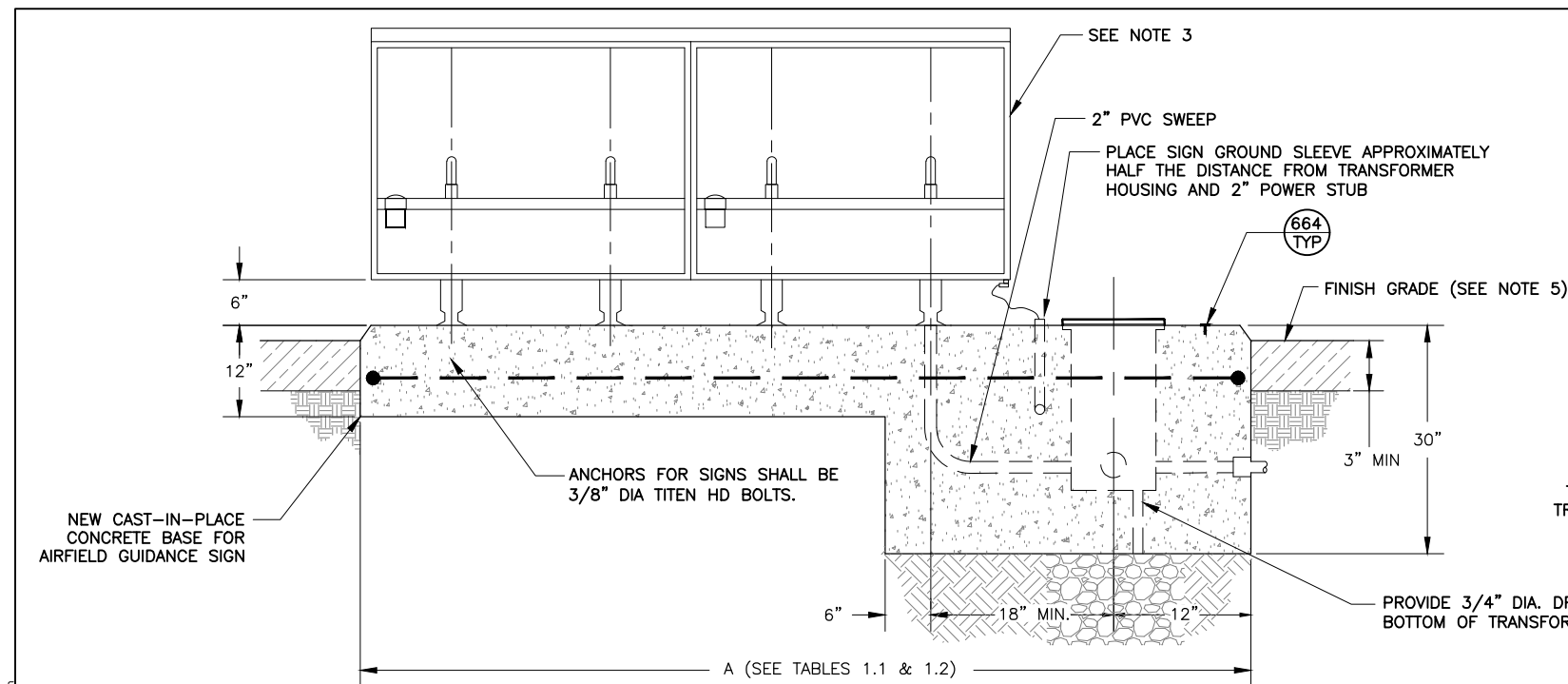


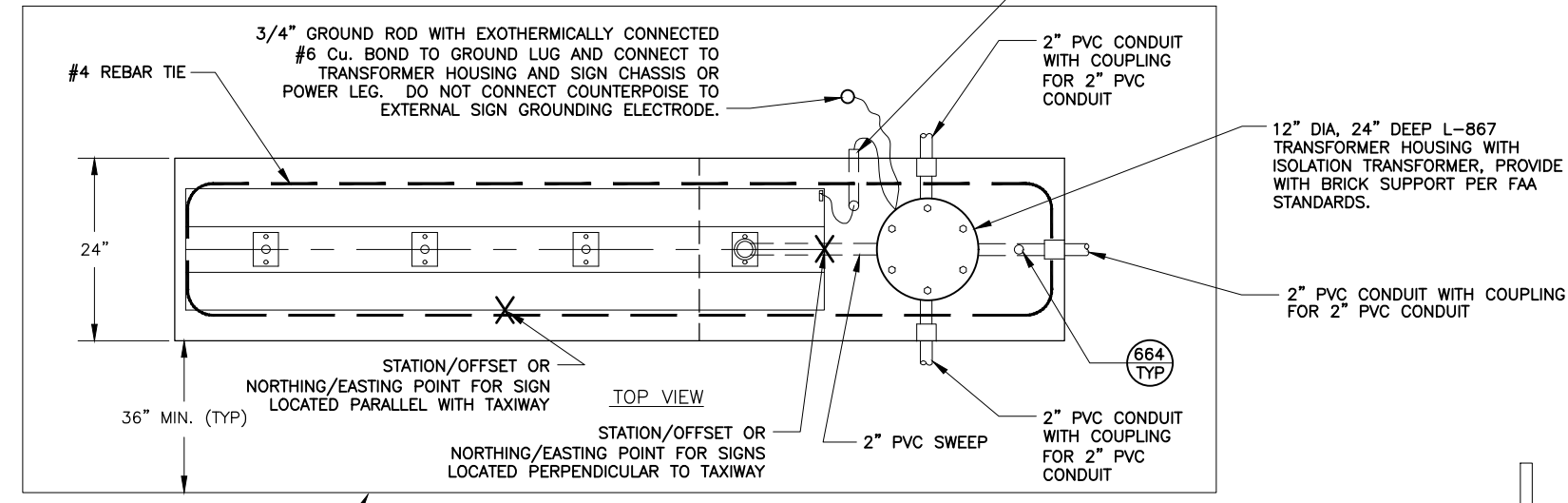
TABLE 1.1 (SIZE 1 SIGNS):

# OF MODULES	BASE LENGTH (A)
1	64"
2	93"
3	122"
4	151"

TABLE 1.2 (SIZE 2 SIGNS):

# OF MODULES	BASE LENGTH (A)
1	84"
2	126"
3	168"
4	210"

*ALL LENGTHS SHOWN ARE MINIMUM



919 TYP NEW CAST-IN-PLACE CONCRETE BASE FOR AIRFIELD GUIDANCE SIGN

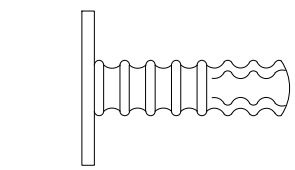
- NOTES**
1. NEW CAST-IN-PLACE CONCRETE BASE SHOWN WITH A TWO MODULE SIGN FOR ILLUSTRATIVE PURPOSES ONLY. SEE TABLE 1.1 FOR ACTUAL LENGTH OF BASE NEEDED FOR MULTIPLE MODULE SIGNS.
 2. BASE SHALL BE CONSTRUCTED LEVEL, 1" ABOVE FINISHED GRADE OF AREA WHERE BASE IS CONSTRUCTED.
 3. TRANSFORMER HOUSING SHALL BE ORIENTED AT TAXIWAY EDGE PER COP/DVT STANDARDS.
 4. SIGNS SHALL BE EQUIPPED WITH DISCONNECTING SWITCH AND WEATHERPROOF COVER ON INBOARD OF SIGN.
 5. PROVIDE 36" MINIMUM ASPHALT MAINTENANCE/HOUSEKEEPING PAD AROUND EACH CONCRETE SIGN BASE IN UNPAVED AREAS - PER MAG SPEC 3" THICK ON COMPACTED BASE.

SIGN HEIGHTS AND LOCATION DISTANCES FOR TAXIWAY GUIDANCE SIGNS

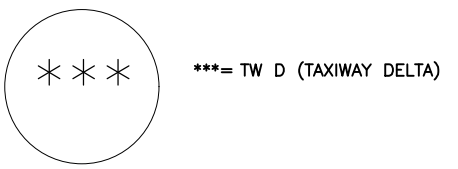
SIGN SIZE	LEGEND HEIGHT	LEGEND PANEL HEIGHT	INSTALLED* (MAX.)	PERPENDICULAR DISTANCE FROM DEFINED PAVMENT EDGE TO NEAR SIDE OF SIGN
1	12"	18"	30"	10' - 20'
2	15"	24"	36"	20' - 35'
3	18"	30"	42"	35' - 60'

*THE HEIGHT REFERRED TO IN THIS COLUMN IS THE DISTANCE FROM TOP OF THE SIGN TO GRADE MEASURED AT THE SIDE OF THE SIGN THAT IS NEAREST TO THE APPLICABLE RUNWAY, TAXIWAY, OR APRON. IN ACCORDANCE WITH PARAGRAPH 14, THIS HEIGHT SHOULD BE REDUCED, IF NECESSARY, TO PROVIDE THE REQUIRED 12-INCH CLEARANCE BETWEEN THE TOP OF THE SIGN AND THE CRITICAL AIRCRAFT.

(SEE FAA ADVISORY CIRCULAR 150/5340-18G FOR FURTHER INFORMATION AND CLARIFICATION)

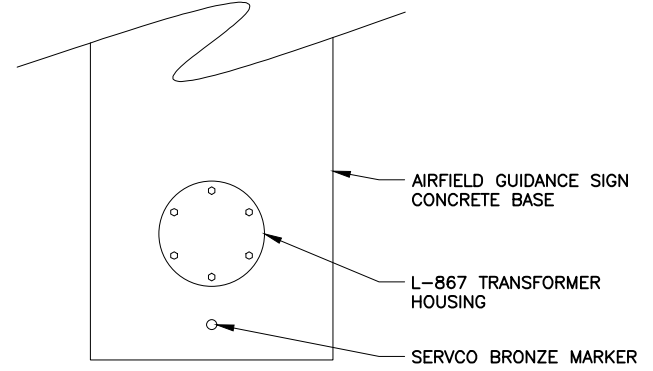


SERVCO BRONZE MARKER



664 TYP CIRCUIT IDENTIFICATION MARKER
NTS

- NOTE:**
1. STAMP CIRCUIT IDENTIFICATION INTO BASE MARKER WITH 1/2" CHARACTERS.
 2. PROVIDE CIRCUIT ID MARKERS AT NEW SIGN BASES AND JUNCTION CANS.



AIRFIELD GUIDANCE SIGN BASE MARKER LOCATION

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NO.	REVISIONS / SUBMISSIONS	DATE

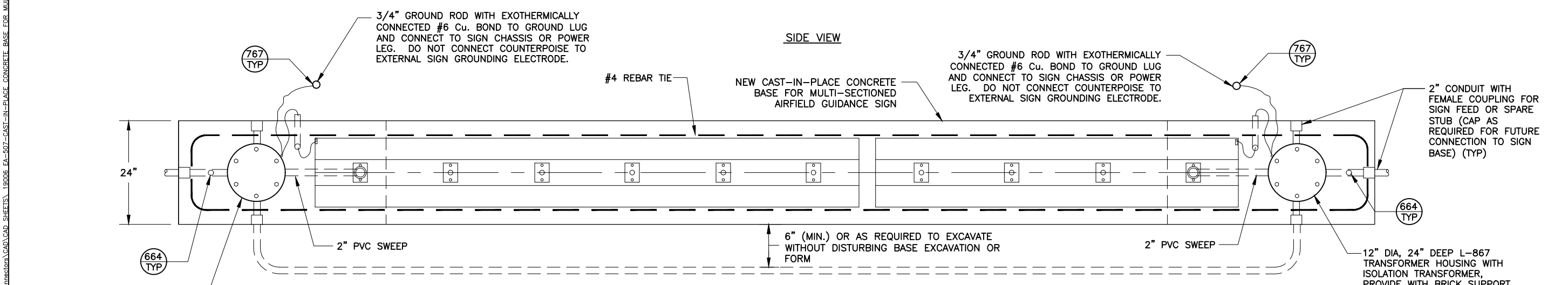
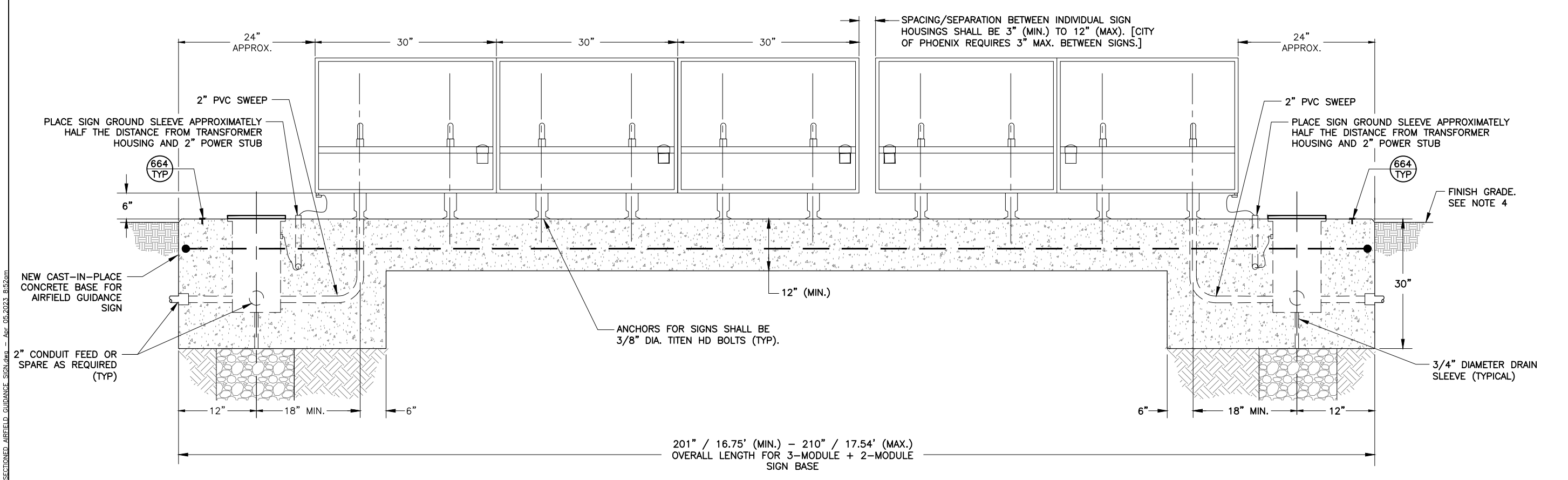
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**ELECTRICAL DETAILS -
 NEW CAST-IN-PLACE
 CONCRETE BASE FOR
 AIRFIELD GUIDANCE SIGN**

SHEET REFERENCE NUMBER:
EA-506
 SHEET 99 OF 107

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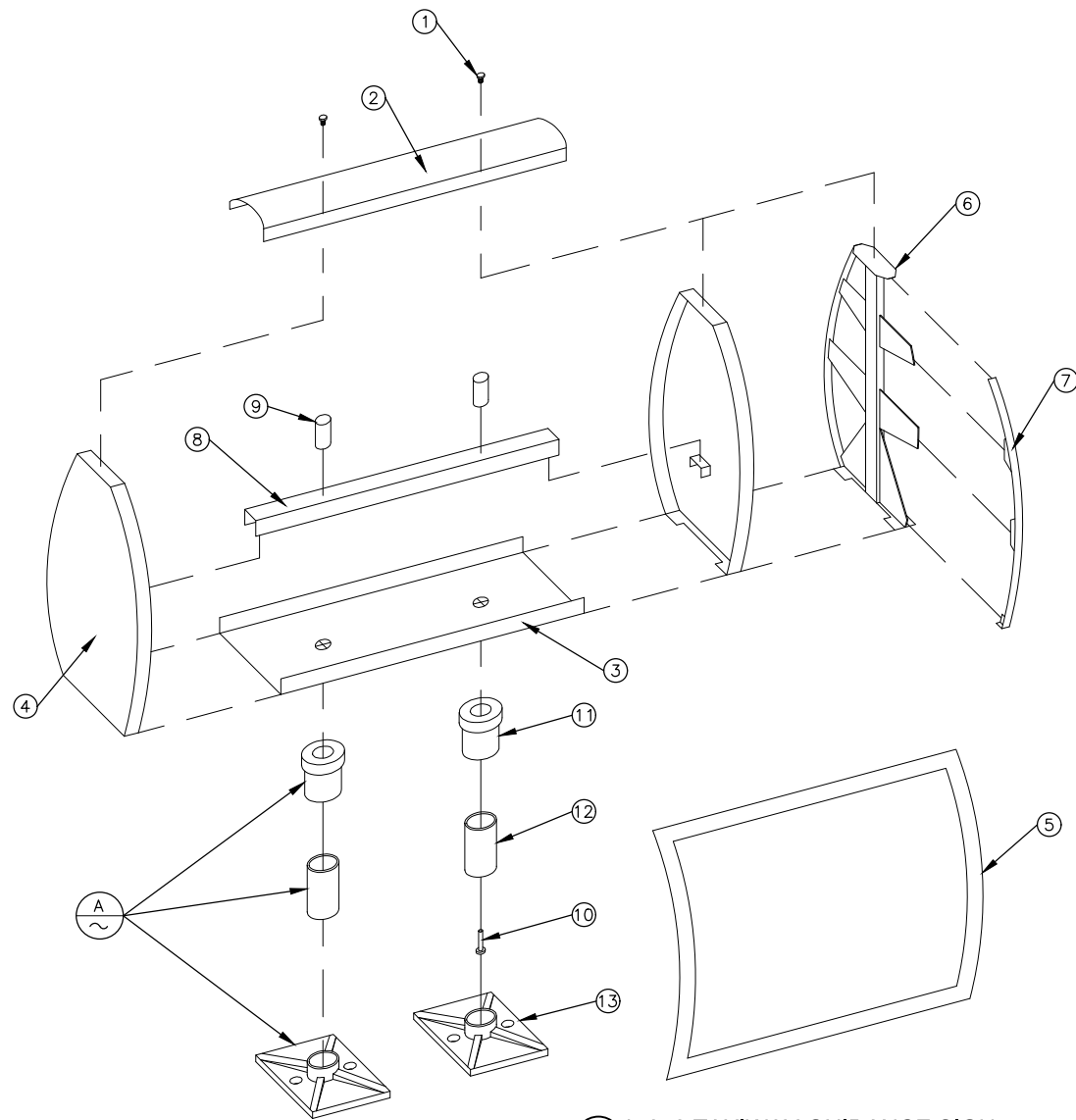
921 TYP NEW CAST-IN-PLACE CONCRETE BASE FOR MULTIPLE-SECTIONED AIRFIELD GUIDANCE SIGN
 NTS

NOTES

1. SEE SHEET EA-506 FOR ADDITIONAL INFORMATION FOR INSTALLATION OF NEW CAST-IN-PLACE CONCRETE BASE.
2. TRANSFORMER HOUSING SHALL BE ORIENTED AT TAXIWAY/RUNWAY EDGE PER COP/DVT STANDARDS.
3. SIGNS SHALL BE EQUIPPED WITH DISCONNECTING SWITCH AND WEATHERPROOF COVER ON INBOARD OF SIGN.
4. PROVIDE 36" MINIMUM ASPHALT MAINTENANCE/HOUSEKEEPING PAD AROUND EACH CONCRETE SIGN BASE IN UNPAVED AREAS - PER MAG SPEC 3" THICK ON COMPACTED BASE.
5. BASE SHALL BE CONSTRUCTED LEVEL, 1" ABOVE FINISHED GRADE OF AREA WHERE BASE IS CONSTRUCTED.

* THIS DETAIL APPLICABLE TO SIGNS LARGER THAN 4-MODULES/10' OVERALL MAXIMUM LENGTH (SIZE 1). TYPICAL SIZE 1 SIGN MODULE LENGTH IS 30" - ADD 30" TO OVERALL LENGTH FOR EACH ADDITIONAL MODULE. CAST-IN-PLACE CONCRETE SIGN BASE SHOWN - CONTRACTOR SHALL HAVE THE OPTION TO SUBMIT PRE-CAST CONCRETE SIGN BASES FOR REVIEW AND APPROVAL.

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			REVISIONS / SUBMISSIONS <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO</th> <th>REVISIONS / SUBMISSIONS</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO	REVISIONS / SUBMISSIONS	DATE												
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ELECTRICAL DETAILS - NEW CAST-IN-PLACE CONCRETE BASE FOR MULTIPLE-SECTIONED AIRFIELD GUIDANCE SIGN																		
SHEET REFERENCE NUMBER: EA-507 SHEET 100 OF 107																		

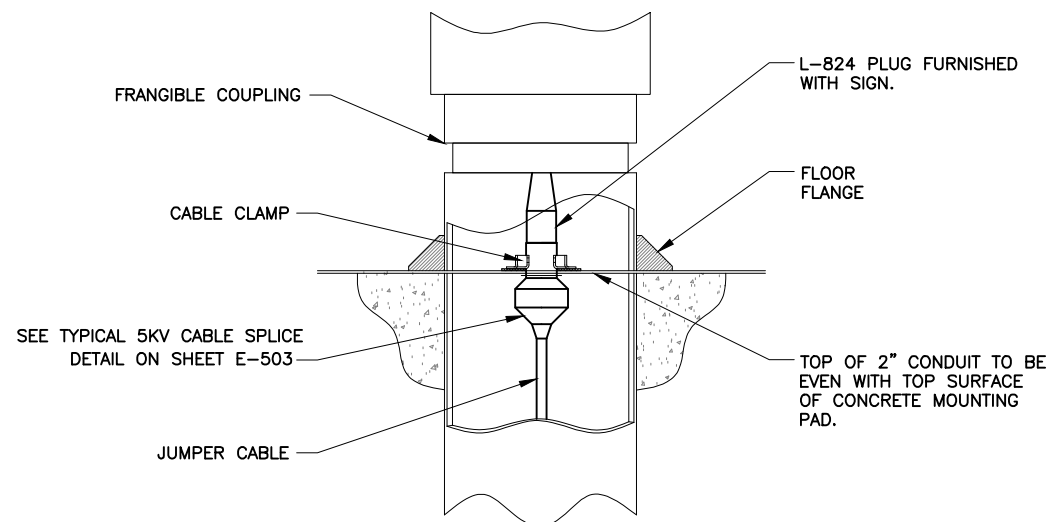


921 L-858 TAXIWAY GUIDANCE SIGN
TYP NTS

1. TURN FASTENERS
2. TOP COVER (SEE NOTE 4)
3. BASE (SIGN BOTTOM)
4. END PANEL (SEE NOTE 3)
5. LEGEND PANEL
6. SUPPORT JUNCTION
7. FACE INSERT PANEL JOINT
8. LAMP MOUNTING BAR
9. LAMP SOCKET
10. FAA L-823 PLUG
11. SLIP FLANGE
12. FRANGIBLE COUPLING (6" LENGTH)
13. FLOOR FLANGE

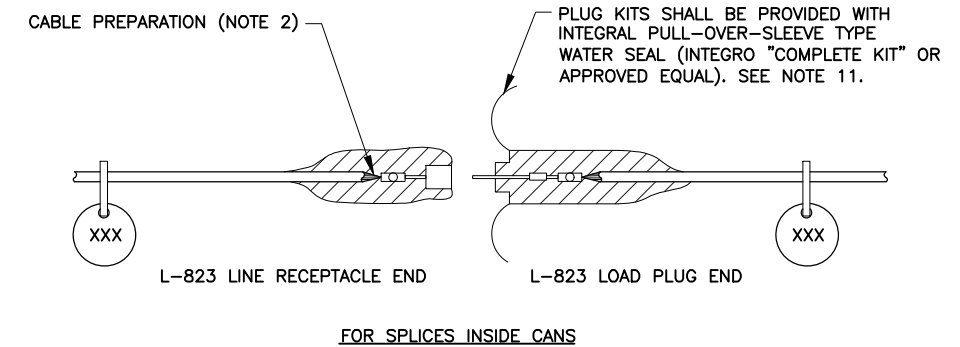
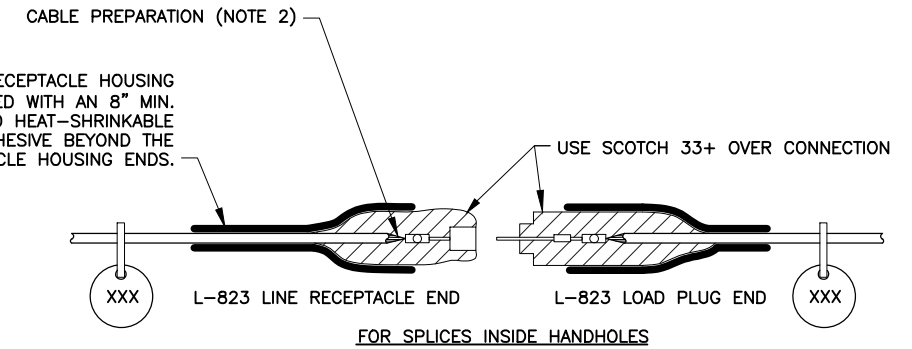
NOTES:

1. NEW AIRFIELD SIGNS SHALL BE OF A CURVED FACE DESIGN TO MAINTAIN SIMILAR APPEARANCE TO THAT OF EXISTING SIGNAGE AND TO FACILITATE ARRAY MODIFICATIONS.
2. WHEN JOINING TWO (2) SIGNS FOR ONE ARRAY, PROVIDE NEW SIZE 1 SUPPORT JUNCTION (TREE) AND SIZE 1 FACE INSERT PANEL JOINT (TRACK) OF THE CORRECT COLOR ADDED. DO NOT PROVIDE END PANELS IN THE MIDDLE OF THE ARRAY.
3. PROVIDE EXTERNAL DISCONNECT SWITCH IN WEATHERPROOF ENCLOSURE.
4. PROVIDE CURVED SIGN TOPS THAT PROVIDE ADDITIONAL SIGN PANEL SUPPORT IF AVAILABLE BY MANUFACTURER.



A POWER/SUPPORT LEG
TYP NTS

THE SPLICE KIT PIN AND RECEPTACLE HOUSING ENDS SHALL BE COVERED WITH AN 8" MIN. SECTION OF APPROVED HEAT-SHRINKABLE TUBING WITH INTERNAL ADHESIVE BEYOND THE PIN AND RECEPTACLE HOUSING ENDS.



NOTES

1. PROVIDE MALE AND FEMALE L-823 CONNECTORS AS REQUIRED ON EACH CONDUCTOR IN EACH BASE, HANDHOLE, OR MANHOLE TO ALLOW ISOLATION OF HOMERUN CIRCUIT, NO STRAIGHT-THROUGH ALLOWED.
2. ALL CABLE ENDS SHALL BE PREPARED WITH THE USE OF A TAPERING TOOL SPECIFICALLY DESIGNED FOR USE WITH L-824 CABLES.
3. PLUG AND RECEPTACLE END FITTINGS SHALL BE CRIMPED ONTO THE CONDUCTOR BY USE OF AN AIRPORT PERSONNEL ACCEPTED RATCHETING TYPE CRIMPING TOOL.
4. AT THE POINT OF CONNECTION WITH THE EXISTING FIELD CIRCUITS, INSTALL NEW L-823 PLUGS ON BOTH THE NEW AND EXISTING CABLES. VERIFY INSULATION TYPES OF BOTH NEW & EXISTING CABLES AND COORDINATE WITH TERMINATION KITS TO ASSURE PROPER AND WATERPROOF FIT.
5. INSTALL SCOTCH 33+ VINYL ELECTRICAL TAPE ON CONNECTION AFTER PULLING SLEEVE OVER COMPLETE KIT.
6. THERE SHALL BE NO SPLICES BETWEEN LIGHTS, ONLY IN BASES OR HANDHOLES.
7. PROVIDE AND INSTALL NON-CONDUCTIVE CIRCUIT IDENTIFICATION TAGS ATTACHED TO EACH SIDE OF ALL CONNECTOR KITS.
8. ON THE CABLES FOR THE RUNWAY CIRCUIT, TAPE FROM THE BACK END OF THE CONNECTOR KIT ONTO CABLE FOR 3" EACH, RED PHASE TAPE FOR FASTER IDENTIFICATION AND MATCH EXISTING MANHOLE LAYOUTS.
9. ON THE CABLES FOR THE TAXIWAY AND SIGNAGE CIRCUITS, TAPE FROM THE BACK END OF THE CONNECTOR KIT ONTO CABLE FOR 3" EACH, BLUE THEN WHITE PHASE TAPE FOR SIGNS, BLUE ONLY PHASE TAPE FOR TAXIWAY EDGE LIGHTS, FOR FASTER IDENTIFICATION AND MATCH EXISTING MANHOLE LAYOUTS.
10. PRIMARY CONNECTOR KITS TYPES SHOWN ARE PER COP AIRFIELD MAINTENANCE STANDARDS.
11. IF AMERACE "SUPER" KITS ARE USED, COP REQUIRES REMOVAL OF ALL SLIP FIT PLASTIC SLEEVES USED TO SEAL KIT ENDS TO CABLE FROM THE L-824 CABLE.

925 TYPICAL 5KV CABLE SPLICE
TYP NTS

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NO.	REVISIONS / SUBMISSIONS	DATE

PHX **AVT** **BYR**

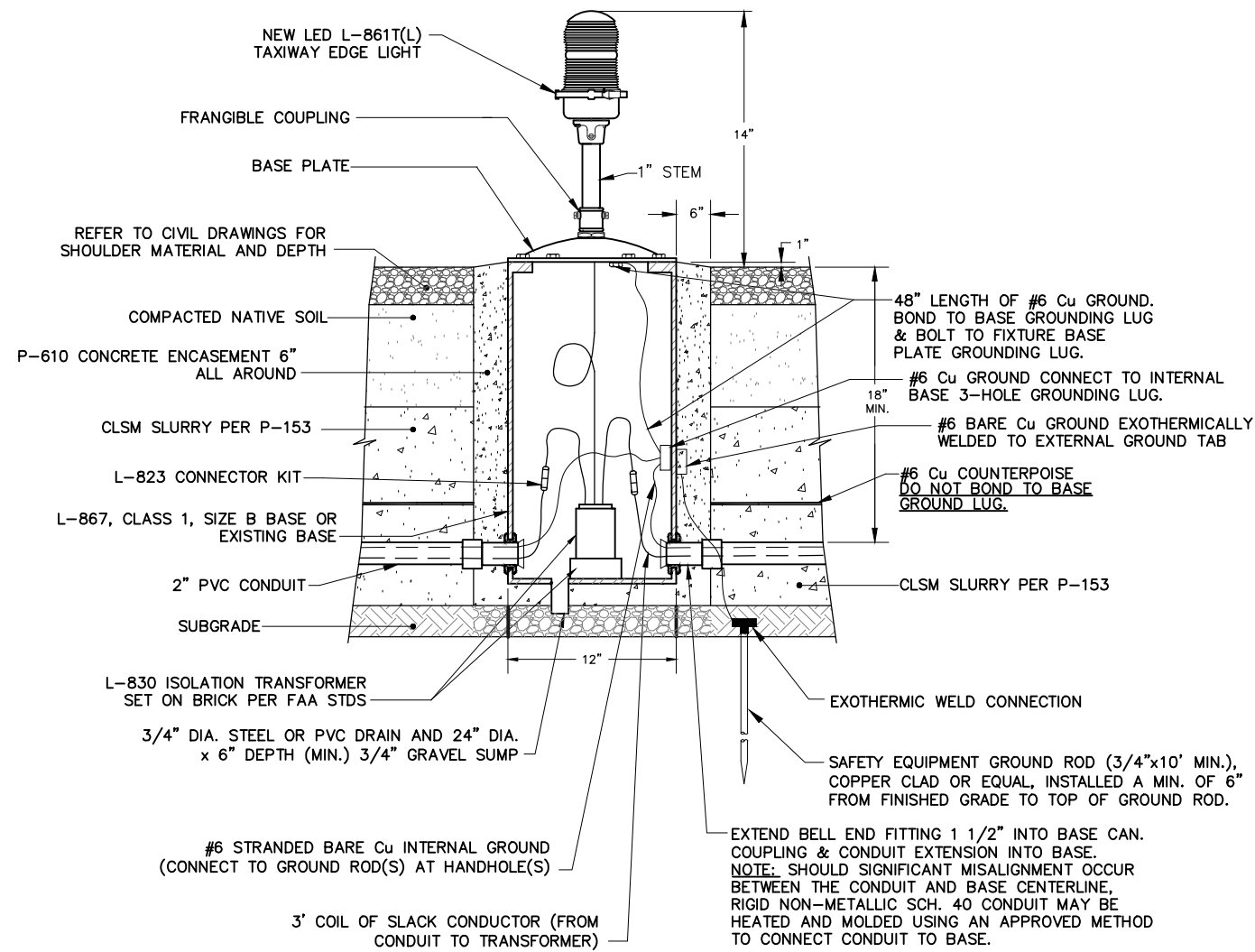
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
RELOCATE TAXIWAY B AND
CONSTRUCT CONNECTORS
B6 AND B9 - GMP 1
AV31000092 FAA

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 04/05/2023
Dwg scale: NTS

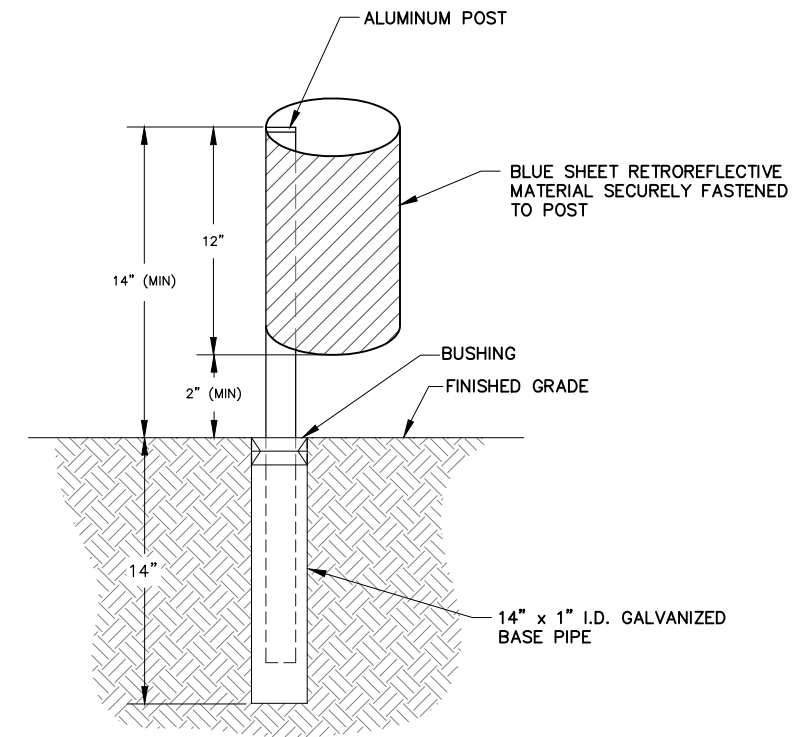
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SHEET OVERVIEW TITLE

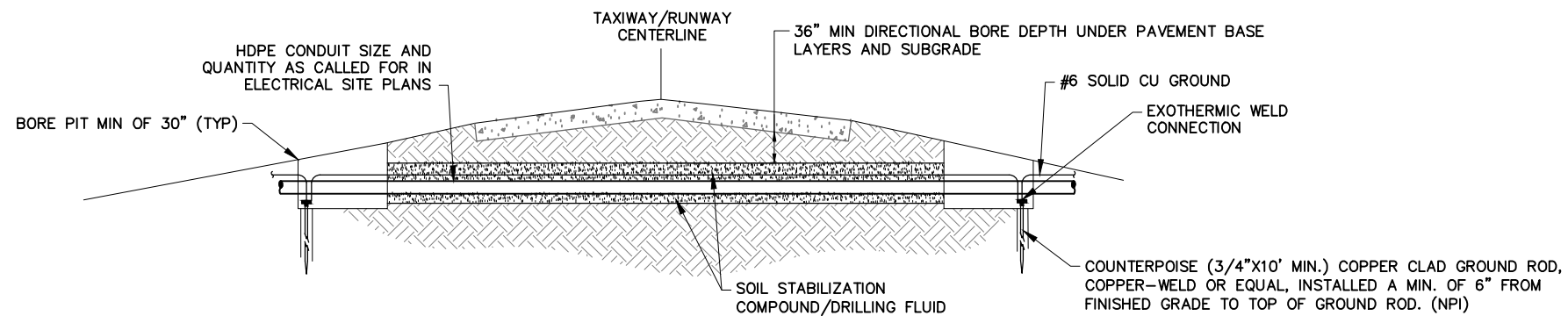
**ELECTRICAL DETAILS -
L-858 AIRFIELD GUIDANCE
SIGN AND 5KV CABLE SPLICE**



891 TYP ELEVATED TAXIWAY EDGE LIGHT DETAIL
NTS



893 TYP L-853 TAXIWAY RETROREFLECTIVE MARKER
NTS



100 TYP COUNTERPOISE TO GROUND ROD CONNECTION DETAIL AT DIRECTIONAL BORE
NTS

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NO	REVISIONS / SUBMISSIONS	DATE

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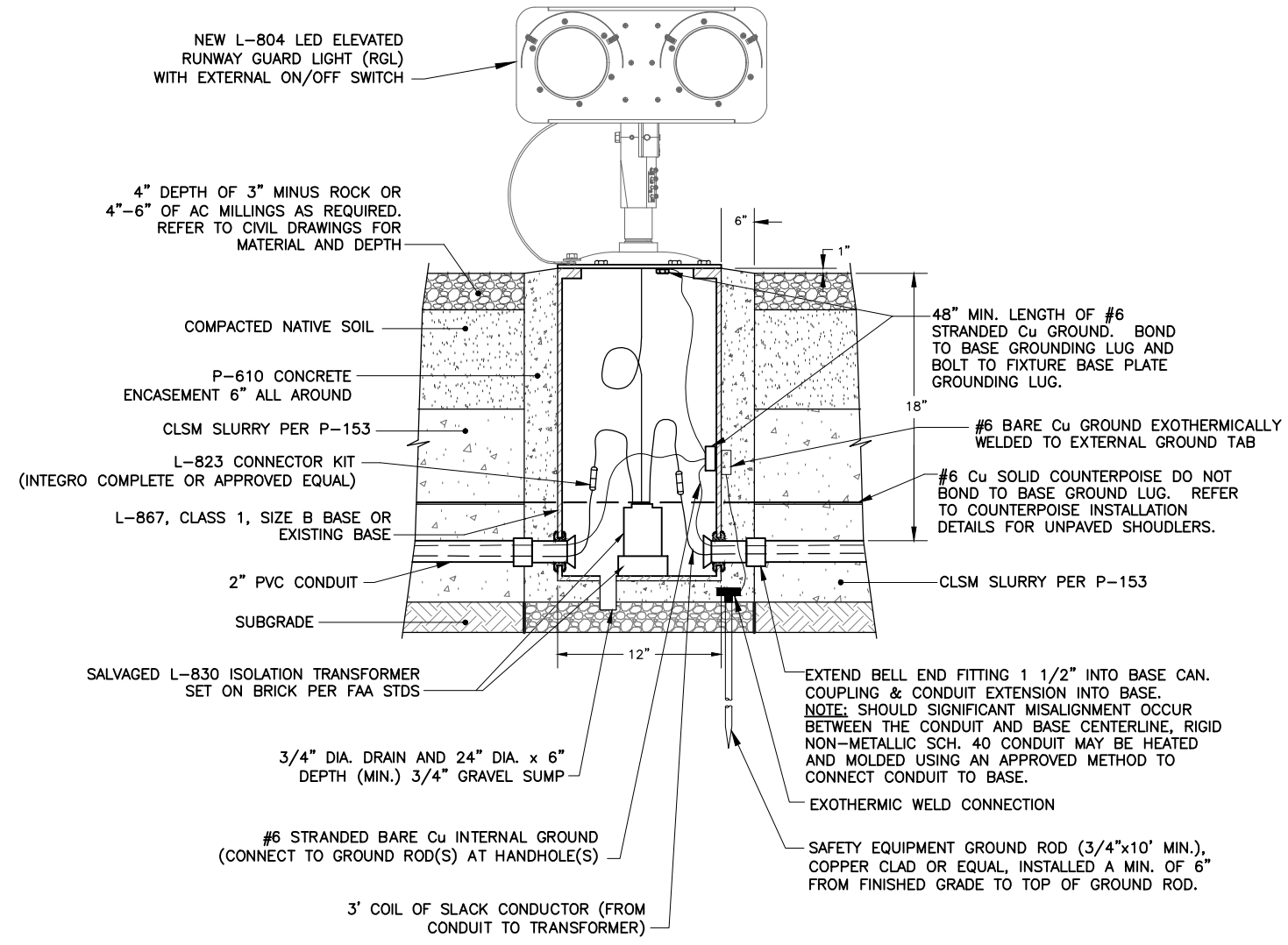
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Drawn by: JBW
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AIP NO.: 3-04-0028-045-2023

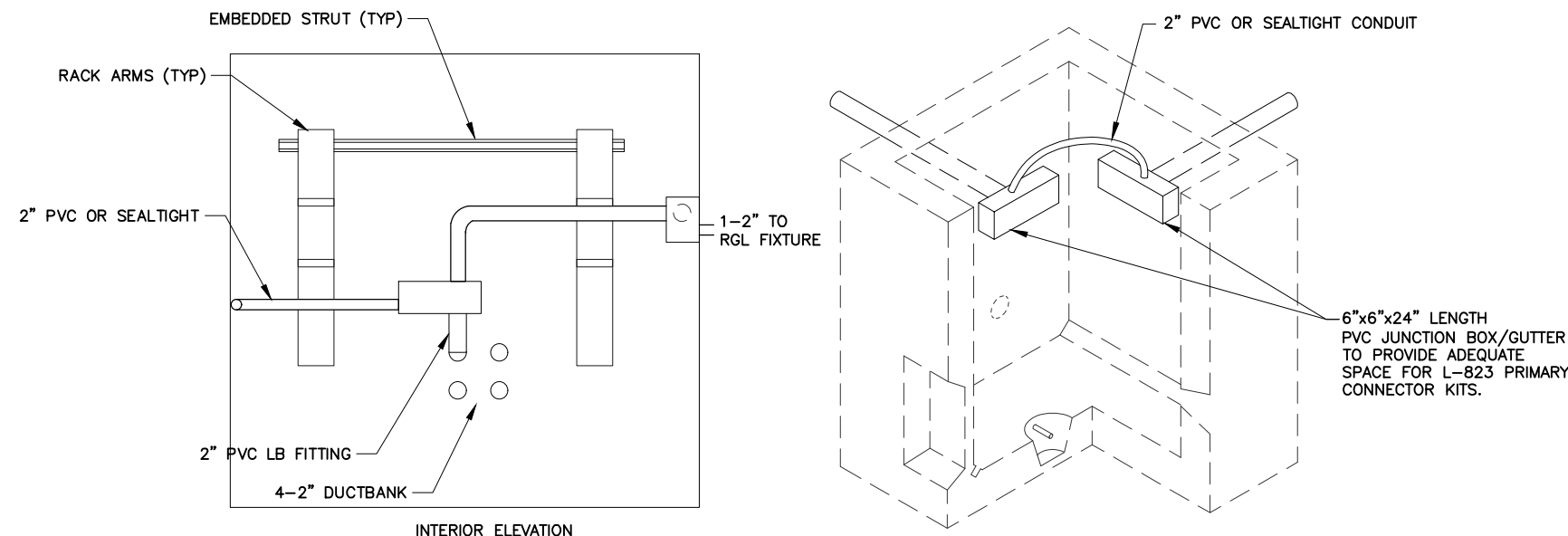
SHEET OVERVIEW TITLE

**ELECTRICAL DETAILS -
ELEVATED TAXIWAY EDGE LIGHT**

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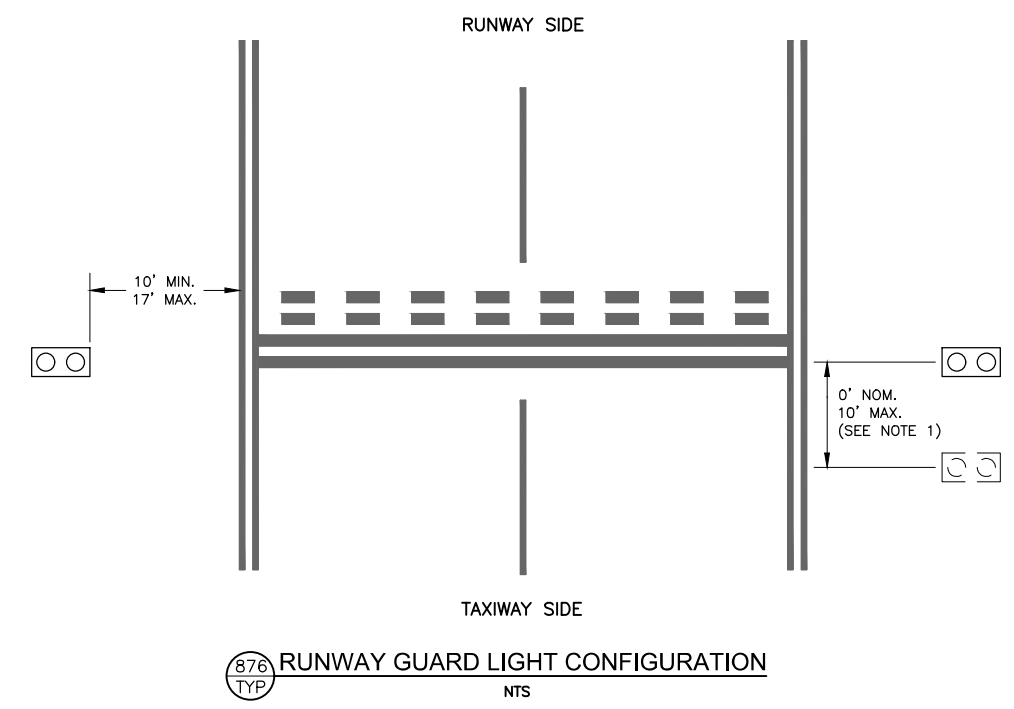


870 TYP ELEVATED RUNWAY GUARD LIGHT DETAIL NTS

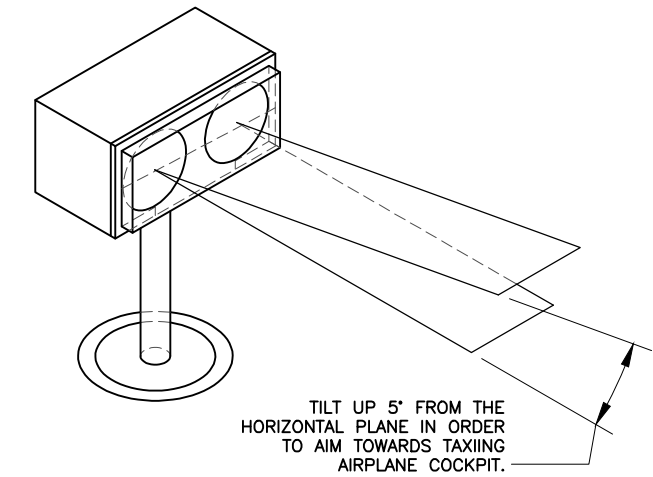


571 TYP RGL CIRCUIT ISOLATION SYSTEM DETAIL NTS

- NOTES:
1. RUNWAY GUARD LIGHT CIRCUITS SHALL BE CONTAINED IN PVC JUNCTION BOXES, CONNECTED WITH 2" PVC CONDUIT OR SEALTIGHT CONDUIT BETWEEN RGL CIRCUIT CONDUIT ENTRIES WITHIN ALL MANHOLES/HANDHOLES.
 2. INSTALL NEW CONDUITS WITHIN HANDHOLES AGAINST WALLS AND ROUTE AS REQUIRED TO AVOID RACK ARMS.
 3. CONNECT NEW RGL CONDUIT TO EXISTING PVC JUNCTION BOXES AT EXISTING HANDHOLES.



- NOTES:
1. THE ELEVATED RUNWAY GUARD LIGHT MAY BE MOVED UP TO 10 FEET MAX. AWAY FROM THE RUNWAY TO AVOID UNDESIRABLE SPOTS. CONTRACTOR SHALL OBTAIN APPROVAL FROM ENGINEER FOR EACH SUCH ADJUSTMENT.
 2. CONTRACTOR SHALL ACCURATELY SURVEY AND MEASURE THE ACTUAL CONSTRUCTED LOCATION OF EACH RGL AND INCLUDE IN THE PROJECT RECORD DRAWINGS.



871 TYP ELEVATED RUNWAY GUARD LIGHT AIMING DETAIL NTS

- NOTES:
1. AIM THE CENTER OF THE LIGHT BEAM INWARD, TOWARD THE T/W CENTERLINE/AIRCRAFT COCKPIT WHEN THE AIRCRAFT IS BETWEEN 150' AND 200' FROM THE HOLDING POSITION, ALONG THE PREDOMINANT PATH/T/W CENTERLINE TO THE HOLDING POSITION. FIELD VERIFY ALL MEASUREMENTS AND AIMING ANGLES SINCE THE TAXIWAYS HAVE DIFFERENT CONFIGURATIONS.
 2. AT LOCATIONS WHERE A DISTANT AIMING POINT IS NOT PRACTICAL, AIM THE LIGHTS PARALLEL TO THE ASSOCIATED TAXIWAY CENTERLINE OR AS DIRECTED BY THE AIRPORT OPERATIONS.

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Designed by: SW	Drawn by: JBW	Checked by: CA	Date: 04/05/2023	Dwg scale: NTS
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AIP NO.:3-04-0028-045-2023

SHEET OVERVIEW TITLE
ELECTRICAL DETAILS - RUNWAY GUARD LIGHT

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SIGNS TO BE
CONSTRUCTED AS
PART OF ADD ALT 1

SIGN NUMBER	SIGN WITH FACE DESIGNATIONS	FACE A MESSAGE	FACE B MESSAGE	FACE A COLOR	FACE B COLOR	SIZE	STYLE	CLASS	SHEET NUMBER	SCOPE OF WORK
SGN-1	A B	BLANK	B9 ↗	B	Y/B Y/B	1	2	2	EA-104	NEW L-858(L), SIZE 1, 2-MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.
SGN-2	A B	← B B9 BLANK BLANK	B9 7L-25R	B/Y Y/B B B	Y/B W/R W/R W/R	1	2	2	EA-104	NEW L-858(L), SIZE 1, 4-MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.
SGN-3	A B	BLANK BLANK ↖ B B9	7L-25R B9	B B B/Y Y/B	W/R W/R W/R Y/B	1	2	2	EA-104	NEW L-858(L), SIZE 1, 4-MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.
SGN-4	A B	BLANK	B B9 ↗	B	Y/B B/Y B/Y	1	2	2	EA-104	NEW L-858(L), SIZE 1, 3-MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.
SGN-5	A B	BLANK	B B10 →	B	Y/B B/Y B/Y	1	2	2	EA-105	NEW L-858(L), SIZE 1, 3-MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.
SGN-6	A B	BLANK	B10 ← B →	B	Y/B Y/B B/Y B/Y	1	2	2	EA-112	NEW L-858(L), SIZE 1, 4-MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.
SGN-7	A B	BLANK	← B10	B	Y/B Y/B	1	2	2	EA-112	NEW L-858(L), SIZE 1, 2-MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.
SGN-8	A B	BLANK	B10 →	B	Y/B Y/B	1	2	2	EA-112	NEW L-858(L), SIZE 1, 2-MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.
SGN-9	A B	BLANK	B10 25L-7R	B	B/Y B/Y W/R W/R W/R	1	2	2	EA-112	INSTALL NEW L-858(L), SIZE 1, 3-MODULE SIGN AND ISOLATION TRANSFORMER AND NEW L-858(L), SIZE 1, 2-MODULE SIGN AND ISOLATION TRANSFORMER ON NEW DOUBLE-ENDED SIGN BASE WITH ASPHALT MAINTENANCE PAD. SEE DETAIL 921, SHEET EA-507.
SGN-10	A B	BLANK	← B10 B	B	B/Y B/Y Y/B	1	2	2	EA-105	NEW L-858(L), SIZE 1, 3-MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.
SGN-11	A B	BLANK	← B11 B	B	B/Y B/Y Y/B	1	2	2	EA-107	NEW L-858(L), SIZE 1, 3-MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.
SGN-12	A B	BLANK	← B11	B	Y/B Y/B	1	2	2	EA-114	NEW L-858(L), SIZE 1, 2-MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.
SGN-13	A B	BLANK	B11 →	B	Y/B Y/B	1	2	2	EA-114	NEW L-858(L), SIZE 1, 2-MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.
SGN-14	A B	BLANK	B11 25L-7R	B	B/Y B/Y W/R W/R W/R	1	2	2	EA-114	INSTALL NEW L-858(L), SIZE 1, 3-MODULE SIGN AND ISOLATION TRANSFORMER AND NEW L-858(L), SIZE 1, 2-MODULE SIGN AND ISOLATION TRANSFORMER ON NEW DOUBLE-ENDED SIGN BASE WITH ASPHALT MAINTENANCE PAD. SEE DETAIL 921, SHEET EA-507.
SGN-15	A B	BLANK	B B11 →	B	Y/B B/Y B/Y	1	2	2	EA-107	NEW L-858(L), SIZE 1, 3-MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.
SGN-16	A B	BLANK	B11 →	B	Y/BY/B Y/B	1	2	2	EA-107	NEW L-858(L), SIZE 1, 2-MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.
SGN-17	A B	BLANK	B11 7L-25R	B	B/Y W/R W/R W/R	1	2	2	EA-107	NEW L-858(L), SIZE 1, 4-MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.
SGN-18	A B	BLANK	**	B	B/Y	2	2	2	EA-107	NEW L-858(L), SIZE 2, 2-MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.
SGN-19	A B	BLANK	B11 ← B →	B	Y/B Y/B B/Y B/Y	1	2	2	EA-107	NEW L-858(L), SIZE 1, 4-MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.

NOTES

- MODULE SIZES ARE GIVEN FOR ESTIMATION ONLY AND ARE SUBJECT TO CHANGE BY SIGN MANUFACTURER
- CONTRACTOR SHALL PERFORM AND SUBMIT COMPLETE FIELD SURVEY/RECORD DRAWINGS FOR ALL EQUIPMENT PRIOR TO FINAL PAYMENT.

** =

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SHEET OVERVIEW TITLE

AIRFIELD GUIDANCE SIGN SCHEDULE

SHEET REFERENCE NUMBER:
EA-601

