CITY OF PHOENIX

AVIATION DEPARTMENT

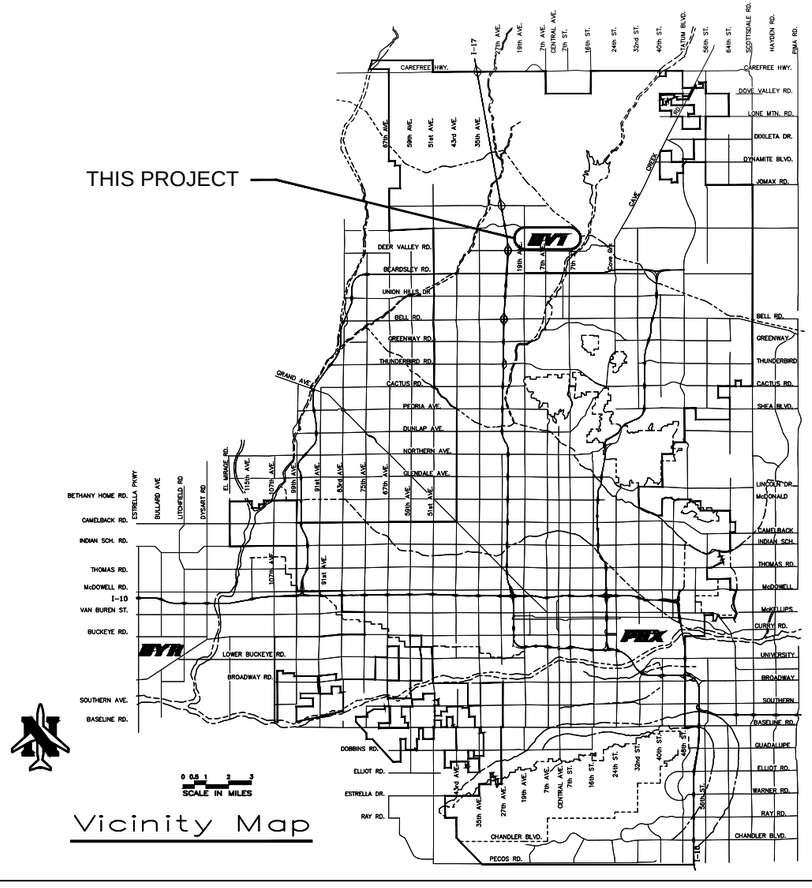
DESIGN & CONSTRUCTION SERVICES

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**



Vicinity Map

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

ARIZONA811

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KATE GALLEGO

VICE MAYOR

YASSAMIN ANSARI

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DISTRICT NO. 2 JIM WARING
DISTRICT NO. 3 DEBRA STARK
DISTRICT NO. 4 LAURA PASTOR
DISTRICT NO. 5 BETTY GUARDADO
DISTRICT NO. 6 SAL DICICCIO
DISTRICT NO. 7 YASSAMIN ANSARI
DISTRICT NO. 8 CARLOS GARCIA

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DIRECTOR OF AVIATION SERVICES — CHAD R. MAKOVSKY, C.M.

APPROVALS

DEPUTY AVIATION DIRECTOR
DESIGN & CONSTRUCTION SERVICES DIVISION — DATE

CITY ENGINEER — DATE

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	(S) SS$_X$	(S) SS
STORM DRAIN, MANHOLE & INLET	SD	
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		APS
MONITORING WELL	MW	MW
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
TAXIWAY OBJECT FREE AREA		TOFA
RUNWAY OBJECT FREE AREA		ROFA
RUNWAY OBSTACLE FREE ZONE		ROFZ
PROTECT IN PLACE NOTE		1
ADJUSTMENT OR REMOVAL NOTE		1
CONSTRUCTION NOTE		1
SWPPP NOTE		1
PAVEMENT MARKING NOTE		1
SPOT ELEVATION	XX.XX	XX.XX
SPOT ELEVATION–CATCH BASIN GRATE		XX.XXG
SAWCUT FULL DEPTH		S
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 ℄	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 ℄	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

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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
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

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

SHEET OVERVIEW TITLE
SHEET INDEX, LEGEND AND ABBREVIATIONS

SHEET REFERENCE NUMBER:
GI-002

SHEET 02 OF 107

N:\2019\190801 - DVT TWY B Relocation\Dwg\Dwg\GMP1_AV31000092-1_GI-004-QMP1.dwg - Apr 07,2023 2:59pm

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 CSPP.

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 NOTED 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 STORAGE 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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"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 — 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

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

SHEET OVERVIEW TITLE: GENERAL NOTES

SHEET REFERENCE NUMBER: GI-003

SHEET 03 OF 107

N:\2019\1903801 – DVT TWY B Relocation\Dwg\Dwg\GMP1\ AV31000092–1–GI–003–GMP1.dwg – Apr 07,2023 9:42am

APPROXIMATE QUANTITY SUMMARY

LINE NO.	ITEM NO.	DESCRIPTION	UNIT	APPROXIMATE QUANITY
1	M-003-8.1	AIRPORT SAFETY AND SECURITY	LS	1
2	C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
3	U-200-6.1	LOCATION OF UNDERGROUND UTILITIES	LS	1
4	SP-11.1	PROJECT FIELD OFFICE	LS	1
5	SP-30.1	CONSTRUCTION SURVEY LAYOUT	LS	1
6	SP-31.1	MISCELLANEOUS REMOVALS AND OTHER WORK (ALLOWANCE)	ALLOWANCE	1
7	SP-33.1	ADJUST EXISTING MANHOLE TO FINISHED GRADE, MAG 422	EA	1
8	SP-34.1	UNFORESEEN UTILITY LOCATING (ALLOWANCE)	ALLOWANCE	1
9	SP-35.1	EXISTING UTILITY RELOCATIONS (ALLOWANCE)	ALLOWANCE	1
10	SP-37.1	REMOVE, HAUL, AND STOCKPILE CRUSHED AGGREGATE SLOPE PROTECTION	SY	45,246
11	SP-38.1	HAUL AND PLACE CRUSHED AGGREGATE SLOPE PROTECTION	SY	42,304
12	P-101-5.1a	REMOVE RUNWAY AND TAXIWAY ASPHALT CONCRETE PAVEMENT FULL DEPTH	SY	10,438
13	P-101-5.1b	REMOVE SHOULDER ASPHALT CONCRETE PAVEMENT FULL DEPTH	SY	4,648
14	C-105	MOBILIZATION (MAXIMUM 4%)	LS	1
15	P-151-4.1	CLEARING AND GRUBBING	LS	1
16	P-152-4.1	UNCLASSIFIED EXCAVATION	CY	12,770
17	SP-40.1	OVER EXCAVATION OF UNSUITABLE MATERIALS AND BACKFILL WITH SELECT MATERIAL (ALLOWANCE)	CY	1,000
18	P-155-8.1	LIME-TREATED SUBGRADE (12", 5.5%)	SY	15,043
19	C-102-6.1	STORMWATER POLLUTION PREVENTION PLAN	LS	1
20	P-209-5.1	CRUSHED AGGREGATE BASE COURSE (9")	SY	14,088
21	P-401-8.1	ASPHALT SURFACE COURSE	TON	3,955
22	P-603-5.1	EMULSIFIED ASPHALT TACK COAT	TON	5
23	P-620-5.1a	REMOVE EXISTING MARKING	SF	1,390
24	P-620-5.2b.1	YELLOW PAINT MARKING	SF	7,993
25	P-620-5.2b.2	WHITE PAINT MARKING	SF	761
26	P-620-5.2b.3	RED PAINT MARKING	SF	325
27	P-620-5.2b.4	BLACK PAINT MARKING	SF	4,492
28	P-620-5.2c.1	TYPE I GRADATION A REFLECTIVE MEDIA	LB	14
29	P-620-5.2c.2	TYPE III REFLECTIVE MEDIA	LB	789
30	P-620-5.4d	TEMPORARY RUNWAY AND TAXIWAY MARKING	LS	1
31	D-751-5.1	CONSTRUCT TRIPLE CATCH BASIN PER COP DETAIL P1570, WITH CONCRETE APRON PER ADOT DETAIL C-15.80	EA	2
32	D-751-5.2	CONSTRUCT STORM DRAIN MANHOLE PER COP DETAIL P1520 AND MAG DETAIL 522	EA	2
33	D-701-5.1a	24 INCH RGRCP, CLASS V	LF	343
34	P-101-5.7a	REMOVE 18" RCP	LF	238
35	P-101-5.7b	REMOVE CATCH BASIN	EA	1
36	L-100-5.1	REMOVE AND SALVAGE EXISTING TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER, REMOVE EXISTING BASE CAN	EA	41
37	L-100-5.2	REMOVE AND SALVAGE EXISTING RUNWAY GUARD LIGHT AND ISOLATION TRANSFORMER, REMOVE EXISTING BASE CAN	EA	4
38	L-100-5.3	REMOVE AND SALVAGE EXISTING RUNWAY EDGE LIGHT AND ISOLATION TRANSFORMER, EXISTING BASE CAN TO REMAIN	EA	5
39	L-100-5.4	REMOVE EXISTING JUNCTION CAN / PULL BOX	EA	4
40	L-100-5.5	EXCAVATE AND REMOVE EXISTING CONDUIT AND CONDUCTOR	LF	6,583
41	L-100-5.6	REMOVE EXISTING CONDUCTOR, CONDUIT TO REMAIN	LF	3,517
42	L-100-5.7	REMOVE EXISTING CONCRETE ENCASED DUCTBANK	LF	355
43	L-100-5.8	REMOVE AND SALVAGE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER, REMOVE CONCRETE SIGN BASE	EA	9
44	L-100-5.9	EXCAVATE AND REMOVE EXISTING CONCRETE HAND HOLE	EA	5
45	L-100-5.10	REMOVE EXISTING CONCRETE HAND HOLE LID TO VERIFY SIZE FOR NEW LID	EA	1
46	L-100-5.11	EXCAVATE AND REMOVE EXISTING CONCRETE DUCT MARKER	EA	2
47	L-100-5.12	TEMPORARY AIRFIELD LIGHTING CIRCUIT JUMPERS	LS	1
48	L-108-5.1	L-824, TYPE C, 1/C #8 AWG, 5KV CABLE, #6 GROUND	LF	5,255
49	L-108-5.2	L-824, TYPE C, 2/C #8 AWG, 5KV CABLE, #6 GROUND	LF	12,370
50	L-110-5.1	SINGLE-WAY, (1) - 2" CONDUIT, DIRECT BURIED (TEMPORARY CIRCUIT JUMPER SLEEVE)	LF	355
51	L-110-5.2	SINGLE-WAY, (1) - 2" CONDUIT, SLURRY ENCASED	LF	5,940
52	L-110-5.3	SINGLE-WAY, (1) - 2" CONDUIT, CONCRETE ENCASED	LF	250
53	L-110-5.4	MULTIPLE-WAY, (4) - 2" CONDUIT, SLURRY ENCASED	LF	2,950
54	L-110-5.5	MULTIPLE-WAY, (4) - 2" CONDUIT, CONCRETE ENCASED	LF	210
55	L-110-5.6	MULTIPLE-WAY, (6) - 2" CONDUIT, SLURRY ENCASED	LF	335
56	L-110-5.7	MULTIPLE-WAY, (6) - 2" CONDUIT, CONCRETE ENCASED	LF	175
57	L-110-5.8	MULTIPLE-WAY, (6) - 2" CONDUIT, DIRECTIONAL BORE (HDPE CONDUIT)	LF	220
58	L-110-5.9	MULTIPLE-WAY, (10) - 2" CONDUIT, SLURRY ENCASED	LF	140
59	L-110-5.10	MULTIPLE-WAY, (10) - 2" CONDUIT, CONCRETE ENCASED	LF	60
60	L-110-5.11	MULTIPLE-WAY, (16) - 2" CONDUIT, SLURRY ENCASED	LF	490

APPROXIMATE QUANTITY SUMMARY

LINE NO.	ITEM NO.	DESCRIPTION	UNIT	APPROXIMATE QUANITY
61	L-110-5.12	MULTIPLE-WAY, (16) - 2" CONDUIT, DIRECTIONAL BORE (HDPE CONDUIT)	LF	250
62	L-115-5.1	NEW HANDHOLE, PREFABRICATED CONCRETE 4'X4'X4' WITH AIRCRAFT RATED LID, FURNISHED AND INSTALLED	EA	15
63	L-115-5.2	NEW HANDHOLE, PREFABRICATED CONCRETE 4'X4'X5' WITH AIRCRAFT RATED LID, FURNISHED AND INSTALLED	EA	5
64	L-115-5.3	PROVIDE AND INSTALL NEW PRECAST LID WITH CYLINDER ASSISTED, AIRCRAFT RATED HATCH ON EXISTING CONCRETE HAND HOLE	EA	1
65	L-115-5.4	PROVIDE AND INSTALL RGL ISOLATION BOXES AND CONDUITS IN NEW OR EXISTING CONCRETE HAND HOLE	EA	9
66	L-115-5.5	NEW L-867B JUNCTION CAN WITH STEEL BLANK COVER	EA	1
67	L-125-5.1	NEW L-804(L) LED ELEVATED RGL WITH ON/OFF SWITCH AND ISOLATION TRANSFORMER ON NEW L-867 BASE CAN	EA	4
68	L-125-5.2	INSTALL SALVAGED ELEVATED RGL AND ISOLATION TRANSFORMER ON NEW L-867 BASE CAN	EA	2
69	L-125-5.3	NEW SURFACE MOUNTED L-853 RETROREFLECTIVE TAXIWAY EDGE MARKER	EA	7
70	L-125-5.4	NEW L-858(L) SIZE 1, STYLE 2, 2-MODULE, AIRFIELD GUIDANCE SIGN, ON NEW CONCRETE SIGN BASE W/ ASPHALT MAINTENANCE PAD	EA	6
71	L-125-5.5	NEW L-858(L) SIZE 2, STYLE 2, 2-MODULE, AIRFIELD GUIDANCE SIGN, ON NEW CONCRETE SIGN BASE W/ ASPHALT MAINTENANCE PAD	EA	1
72	L-125-5.6	NEW L-858(L) SIZE 1, STYLE 2, 3-MODULE, AIRFIELD GUIDANCE SIGN, ON NEW CONCRETE SIGN BASE W/ ASPHALT MAINTENANCE PAD	EA	1
73	L-125-5.7	NEW L-858(L) SIZE 1, STYLE 2, 4-MODULE, AIRFIELD GUIDANCE SIGN, ON NEW CONCRETE SIGN BASE W/ ASPHALT MAINTENANCE PAD	EA	4
74	L-125-5.8	NEW L-858(L) SIZE 1, STYLE 2, 5-MODULE (2-MOD + 3-MOD), AIRFIELD GUIDANCE SIGN, ON NEW CONCRETE SIGN BASE W/ ASPHALT MAINTENANCE PAD	EA	1
75	L-125-5.10	NEW ELEVATED L-861T(L) LED TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER ON NEW L-867 BASE CAN	EA	98
76	L-125-5.11	NEW L-867B TAXIWAY EDGE LIGHT BASE WITH STEEL BLANK COVER PLATE	EA	6
77	L-125-5.12	SALVAGED RUNWAY EDGE LIGHT AND ISOLATION TRANSFORMER ON EXISTING L-867 BASE CAN	EA	1
78	L-125-5.13	NEW L-861T(L) LED TAXIWAY EDGE LIGHT W/ STEMS, FRANGIBLE COUPLINGS AND ISOLATION TRANSFORMERS (SPARES)	EA	10

APPROXIMATE QUANTITY SUMMARY - ADDITIVE ALTERNATE 1

LINE NO.	ITEM NO.	DESCRIPTION	UNIT	APPROXIMATE QUANITY
1	SP-37.1	REMOVE, HAUL, AND STOCKPILE CRUSHED AGGREGATE SLOPE PROTECTION	SY	4,003
2	SP-38.1	HAUL AND PLACE CRUSHED AGGREGATE SLOPE PROTECTION	SY	1,757
3	C-105	MOBILIZATION (MAXIMUM 4%)	LS	1
4	P-151-4.1	CLEARING AND GRUBBING	LS	1
5	P-152-4.1	UNCLASSIFIED EXCAVATION	CY	58
6	SP-40.1	OVER EXCAVATION OF UNSUITABLE MATERIALS AND BACKFILL WITH SELECT MATERIAL (ALLOWANCE)	CY	20
7	P-155-8.1	LIME-TREATED SUBGRADE (12", 5.5%)	SY	2,277
8	P-209-5.1	CRUSHED AGGREGATE BASE COURSE (9")	SY	2,137
9	P-401-8.1	ASPHALT SURFACE COURSE	TON	601
10	P-603-5.1	EMULSIFIED ASPHALT TACK COAT	TON	1
11	P-620-5.1a	REMOVE EXISTING MARKING	SF	0
12	P-620-5.2b.1	YELLOW PAINT MARKING	SF	1,381
13	P-620-5.2b.2	WHITE PAINT MARKING	SF	168
14	P-620-5.2b.3	RED PAINT MARKING	SF	72
15	P-620-5.2b.4	BLACK PAINT MARKING	SF	1,473
16	P-620-5.2c.1	TYPE I GRADATION A REFLECTIVE MEDIA	LB	3
17	P-620-5.2c.2	TYPE III REFLECTIVE MEDIA	LB	135
18	D-751-5.1	CONSTRUCT TRIPLE CATCH BASIN PER COP DETAIL P1570, WITH CONCRETE APRON PER ADOT DETAIL C-15.80	EA	1
19	D-751-5.2	CONSTRUCT STORM DRAIN MANHOLE PER COP DETAIL P1520 AND MAG DETAIL 522	EA	1
20	D-701-5.1a	24 INCH RGRCP, CLASS V	LF	84
21	L-100-5.3	REMOVE AND SALVAGE EXISTING RUNWAY EDGE LIGHT AND ISOLATION TRANSFORMER, EXISTING BASE CAN TO REMAIN	EA	1
22	L-100-5.5	EXCAVATE AND REMOVE EXISTING CONDUIT AND CONDUCTOR	LF	270
23	L-100-5.6	REMOVE EXISTING CONDUCTOR, CONDUIT TO REMAIN	LF	935
24	L-100-5.12	TEMPORARY AIRFIELD LIGHTING CIRCUIT JUMPERS	LS	1
25	L-108-5.1	L-824, TYPE C, 1/C #8 AWG, 5KV CABLE, #6 GROUND	LF	660
26	L-108-5.2	L-824, TYPE C, 2/C #8 AWG, 5KV CABLE, #6 GROUND	LF	1,575
27	L-110-5.1	SINGLE-WAY, (1) - 2" CONDUIT, DIRECT BURIED (TEMPORARY CIRCUIT JUMPER SLEEVE)	LF	115
28	L-110-5.2	SINGLE-WAY, (1) - 2" CONDUIT, SLURRY ENCASED	LF	1,325
29	L-110-5.3	SINGLE-WAY, (1) - 2" CONDUIT, CONCRETE ENCASED	LF	135
30	L-115-5.4	PROVIDE AND INSTALL RGL ISOLATION BOXES AND CONDUITS IN NEW OR EXISTING CONCRETE HAND HOLE	EA	2
31	L-125-5.1	NEW L-804(L) LED ELEVATED RGL WITH ON/OFF SWITCH AND ISOLATION TRANSFORMER ON NEW L-867 BASE CAN	EA	2
32	L-125-5.4	NEW L-858(L) SIZE 1, STYLE 2, 2-MODULE, AIRFIELD GUIDANCE SIGN, ON NEW CONCRETE SIGN BASE W/ ASPHALT MAINTENANCE PAD	EA	2
33	L-125-5.6	NEW L-858(L) SIZE 1, STYLE 2, 3-MODULE, AIRFIELD GUIDANCE SIGN, ON NEW CONCRETE SIGN BASE W/ ASPHALT MAINTENANCE PAD	EA	2
34	L-125-5.7	NEW L-858(L) SIZE 1, STYLE 2, 4-MODULE, AIRFIELD GUIDANCE SIGN, ON NEW CONCRETE SIGN BASE W/ ASPHALT MAINTENANCE PAD	EA	1
35	L-125-5.8	NEW L-858(L) SIZE 1, STYLE 2, 5-MODULE (2-MOD + 3-MOD), AIRFIELD GUIDANCE SIGN, ON NEW CONCRETE SIGN BASE W/ ASPHALT MAINTENANCE PAD	EA	1
36	L-125-5.9	INSTALL NEW SIZE 1 SIGN PANELS INSTALLED IN EXISTING SIGNS (B9 TO B8 CHANGE FOR INTERIM BETWEEN GMP 1 AND 2)	EA	20
37	L-125-5.10	NEW ELEVATED L-861T(L) LED TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER ON NEW L-867 BASE CAN	EA	24
38	L-125-5.12	SALVAGED RUNWAY EDGE LIGHT AND ISOLATION TRANSFORMER ON EXISTING L-867 BASE CAN	EA	1

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
RELOCATE TAXIWAY B AND
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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

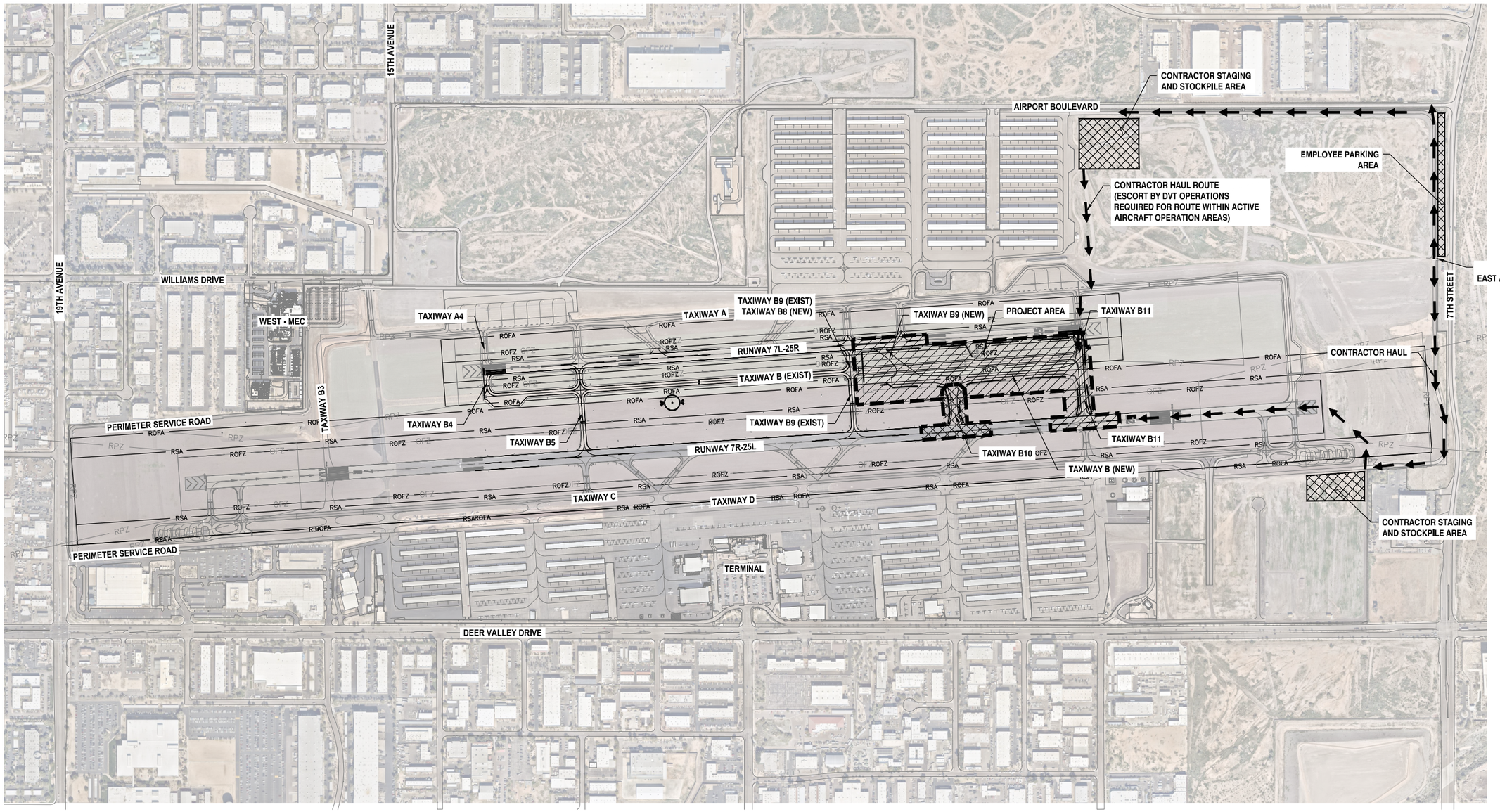
SHEET OVERVIEW TITLE

QUANTITY SUMMARY AND SHEET INDEX

SHEET REFERENCE NUMBER:
GI-004

SHEET 04 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.

N

0 400' 800'

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

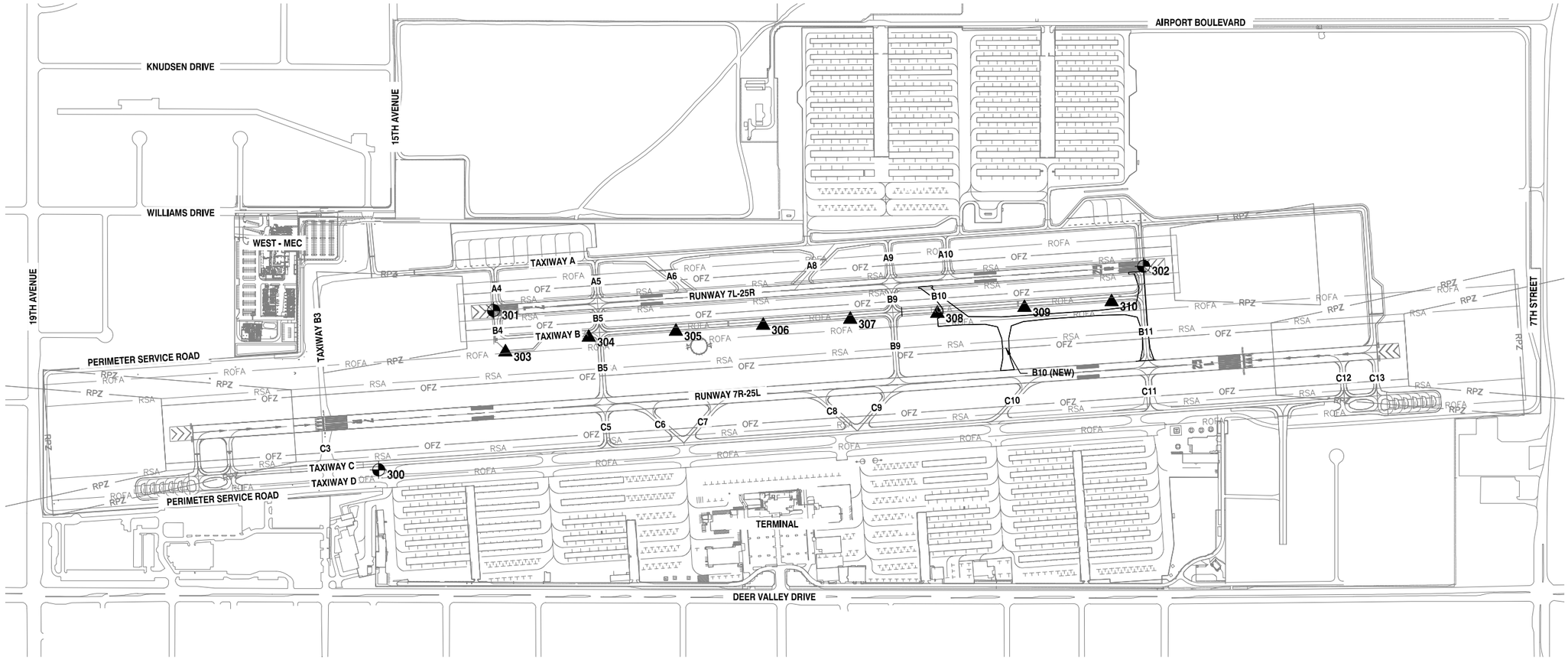
SHEET OVERVIEW TITLE

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)

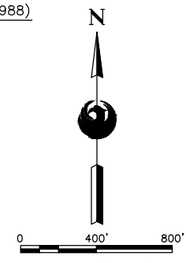
ALL COORDINATES SHOWN ARE GROUND VALUES BASED ON NAD83 ARIZONA STATE PLANE CENTRAL ZONE GRID COORDINATES SCALED ABOUT 0,0 BY A FACTOR OF 1.00016216.

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:

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



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

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

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

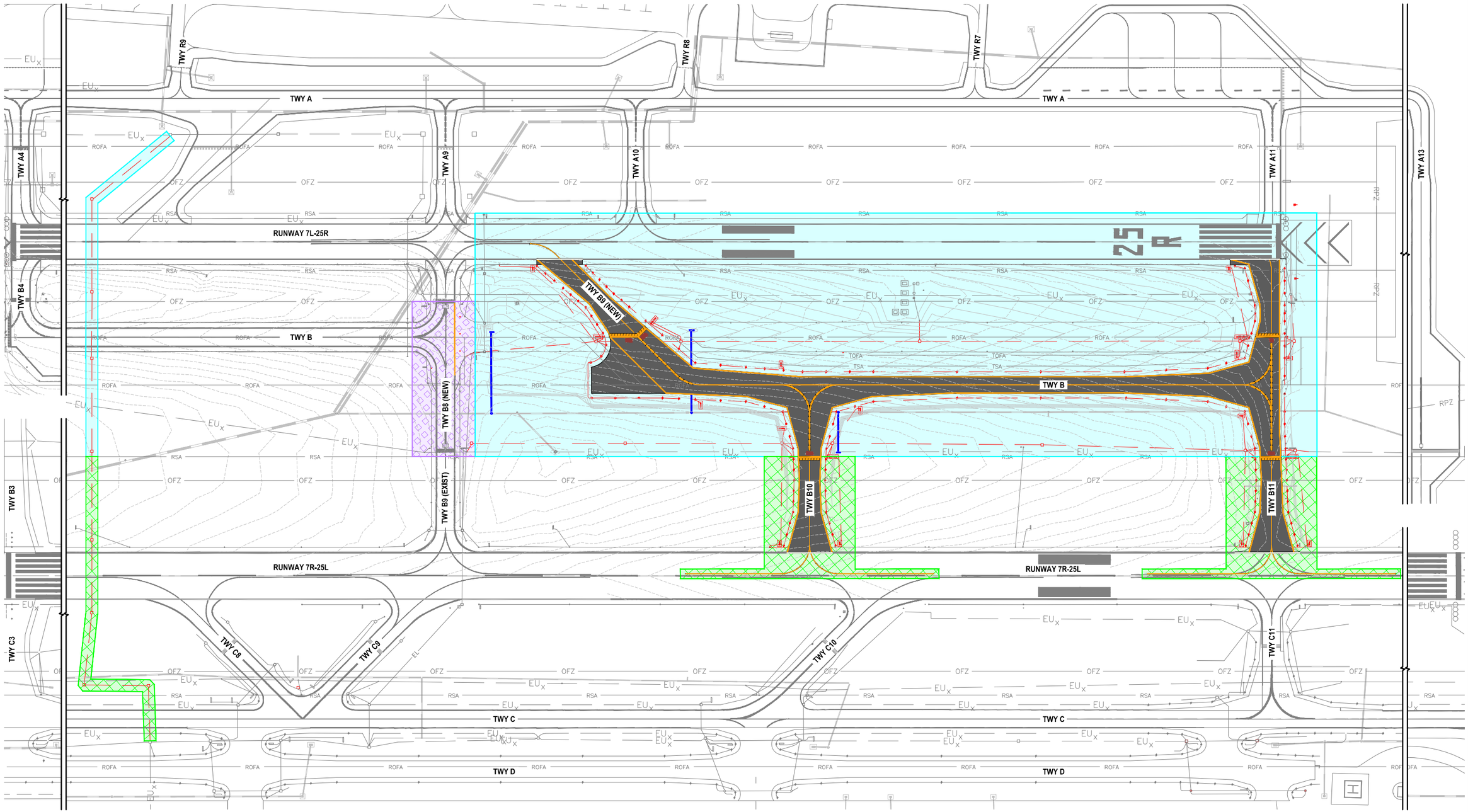
SHEET OVERVIEW TITLE

SURVEY CONTROL PLAN

SHEET REFERENCE NUMBER:
VF-401

SHEET 06 OF 107

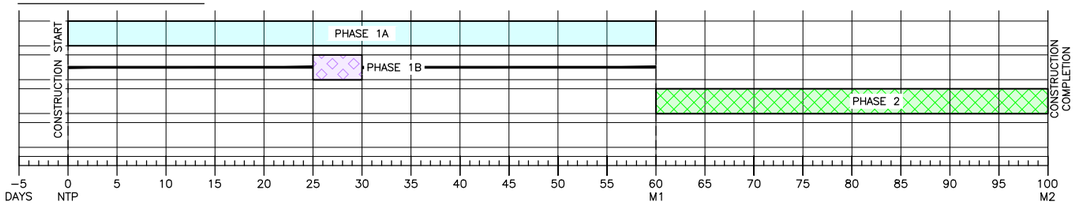
N:\2019\190801 - DVT TWY B Relocation\Dwg\Dwg\GMP1\ AV31000092-1-VF-401-GMP1.dwg - Apr 07,2023 12:17am



GENERAL NOTES:

1. UNLESS OTHERWISE NOTED, ALL NOTES AND REFERENCES TO PHASES ARE APPLICABLE TO EACH SUB-PHASE. SUB-PHASES ARE INDICATED WITH LETTERED SUFFIXES (IE. 1A, 2B, ETC).
2. SCHEDULE OF WORK AND SEQUENCE OF CONSTRUCTION PHASES SHALL BE COORDINATED WITH DVT.
3. CONSTRUCTION ACTIVITIES ARE NOT PERMITTED AT THE AIRPORT DURING DVT MORATORIUM DATES. CONTRACTOR SHALL COORDINATE WITH DVT FOR SCHEDULING OF WORK ACTIVITIES.
4. THE CONTRACTOR SHALL PERFORM THE WORK IN THE PHASING SEQUENCES SHOWN ON THE PLANS AND AS DESCRIBED IN THE SPECIFICATIONS.
5. 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.
6. AREAS SHOWN ARE INTENDED TO BE AN APPROXIMATE GEOGRAPHICAL REPRESENTATION.
7. SEE PROJECT LAYOUT PLAN GI-401 FOR CONTRACTOR AOA ACCESS, STAGING/STOCKPILE AREAS AND HAUL ROUTES.

PHASING SCHEDULE



LEGEND

- PHASE 1A
- PHASE 1B
- PHASE 2

N

0 400' 800'

SCALE:1"=400'

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT
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

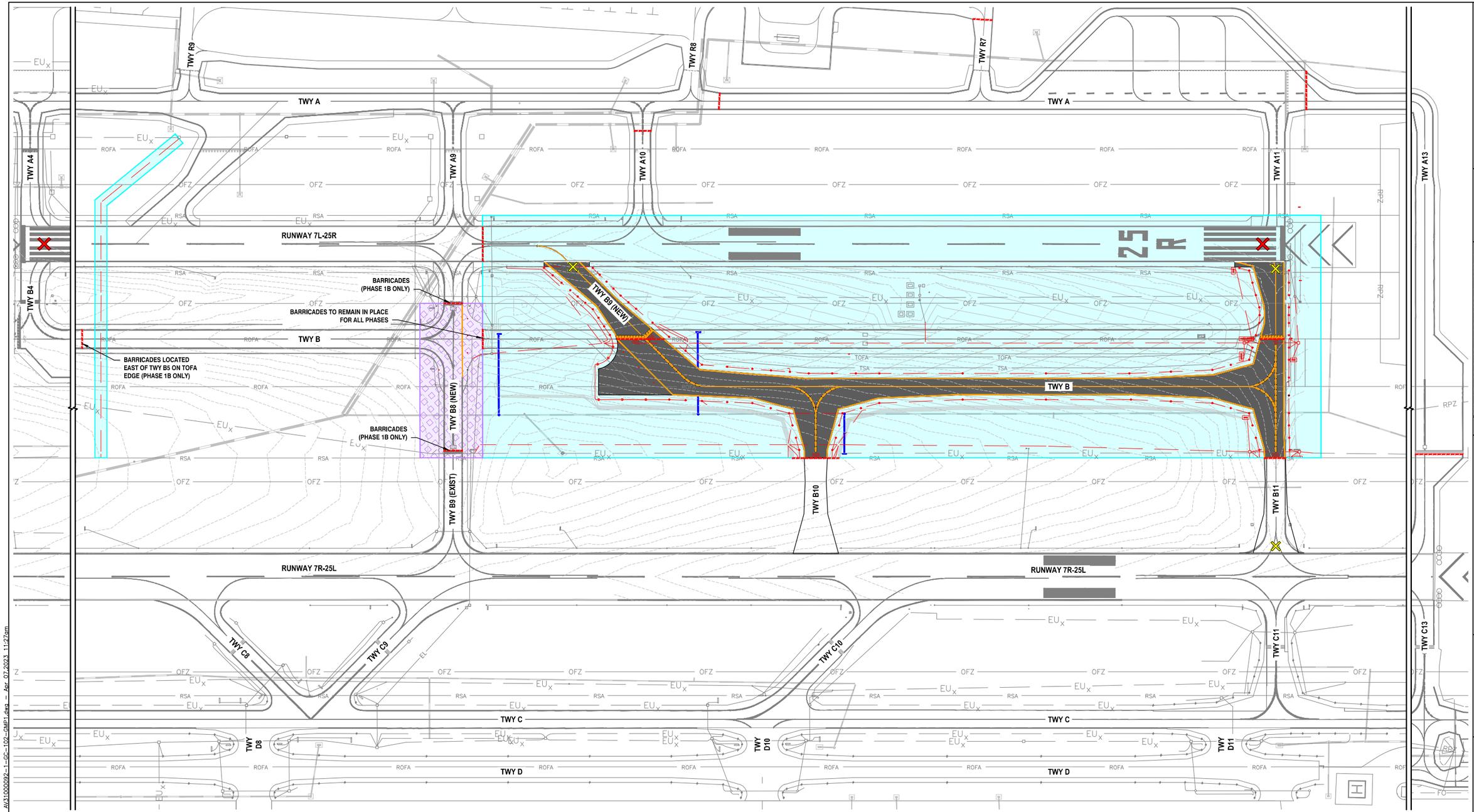
SHEET OVERVIEW TITLE

CONSTRUCTION SAFETY & PHASING PLAN

SHEET REFERENCE NUMBER:
GC-101

SHEET 07 OF 107

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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–FEET 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
- RUNWAY CLOSURE MARKER
- TAXIWAY CLOSURE MARKER

N

0 400' 800'

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

AIP NO.:3–04–0028–045–2023

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

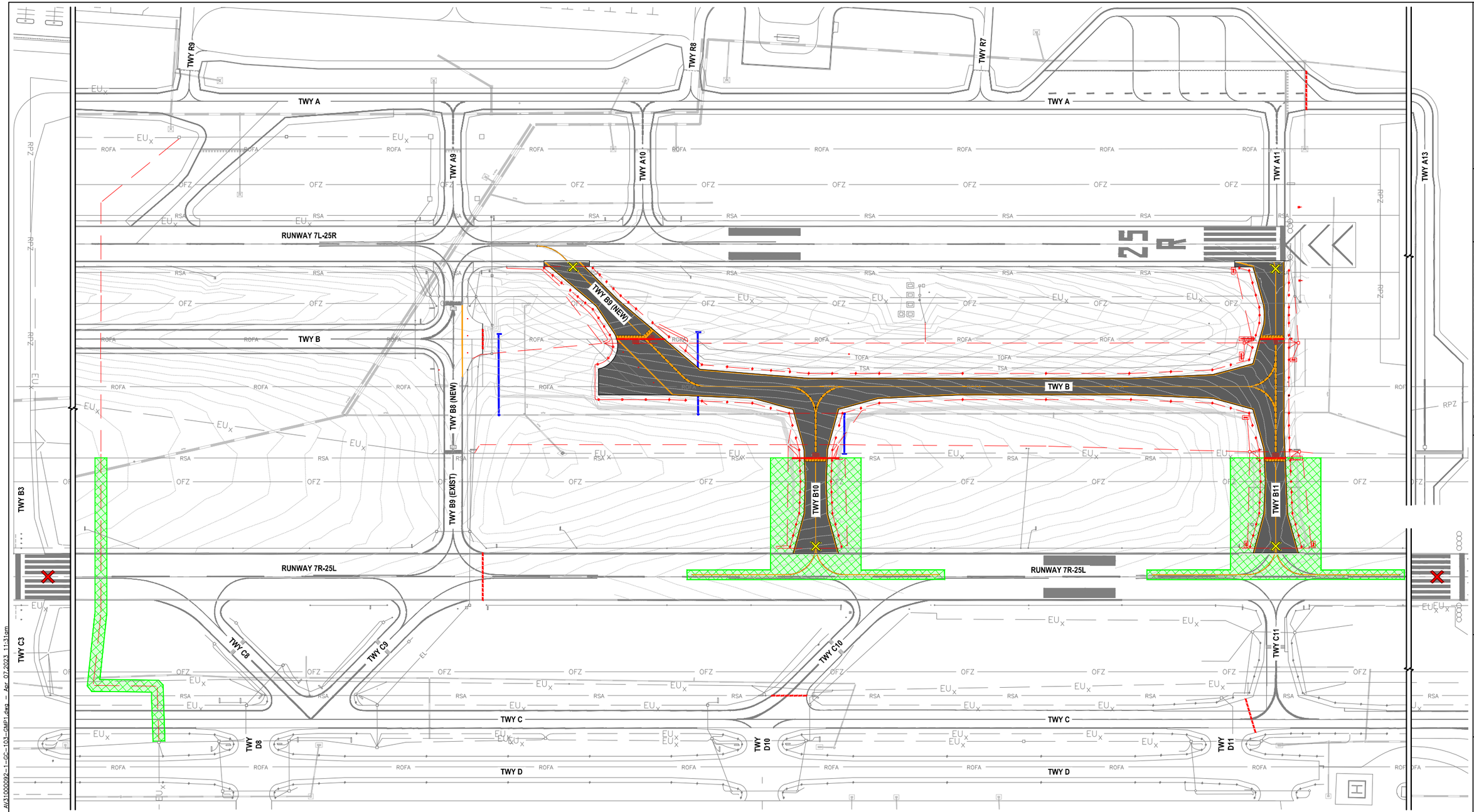
SHEET OVERVIEW TITLE

CONSTRUCTION SAFETY & PHASING PLAN - PHASE 1

SHEET REFERENCE NUMBER:
GC-102

SHEET 08 OF 107

N:\2019\190801 – DVT TWY B Relocation\Dwg\Dwg\GMP1_AV31000092–1–GC–102–GMP1.dwg – Apr 07,2023 11:27am



PHASE 2 ELEMENTS:
PHASE 2 ACTIVITIES GENERALLY CONSIST OF PAVEMENT SAWCUT, PAVEMENT REMOVAL, GRADING AND EARTHWORK, SUBGRADE PREPARATION, EXCAVATION FOR AND INSTALLATION OF AIRFIELD ELECTRICAL INFRASTRUCTURE, LIGHTING AND SIGNAGE, AND PAVEMENT MARKING PLACEMENT.

AREAS CLOSED TO AIRCRAFT OPERATIONS:
RUNWAY 7R–25L CLOSED NIGHTLY.
TAXIWAY A CLOSED NIGHTLY NORTH OF TAXIWAY A11.
TAXIWAY A13 CLOSED NIGHTLY.
TAXIWAY B NORTH OF TAXIWAY B9 CLOSED DAY AND NIGHT.
TAXIWAY B11 CLOSED DAY AND NIGHT.
TAXIWAY C NORTH OF TAXIWAY D11 CLOSED NIGHTLY.
TAXIWAY C10 CLOSED NIGHTLY.

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. TAXIWAY SIGNAGE REFERENCING TAXIWAY B9 (EXIST) SHALL BE REMOVED AND REPLACED WITH TAXIWAY B8 NOMENCLATURE FOR ALL DIRECTION AND LOCATION SIGNAGE PRIOR TO OPENING THE CONSTRUCTION AREA TO AIRCRAFT TRAFFIC.

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–FEET 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:
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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 2
- LOW PROFILE BARRICADES AT 10 FT SPACING
- RUNWAY CLOSURE MARKER
- TAXIWAY CLOSURE MARKER

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N

0 400' 800'

SCALE:1"=400'

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT
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

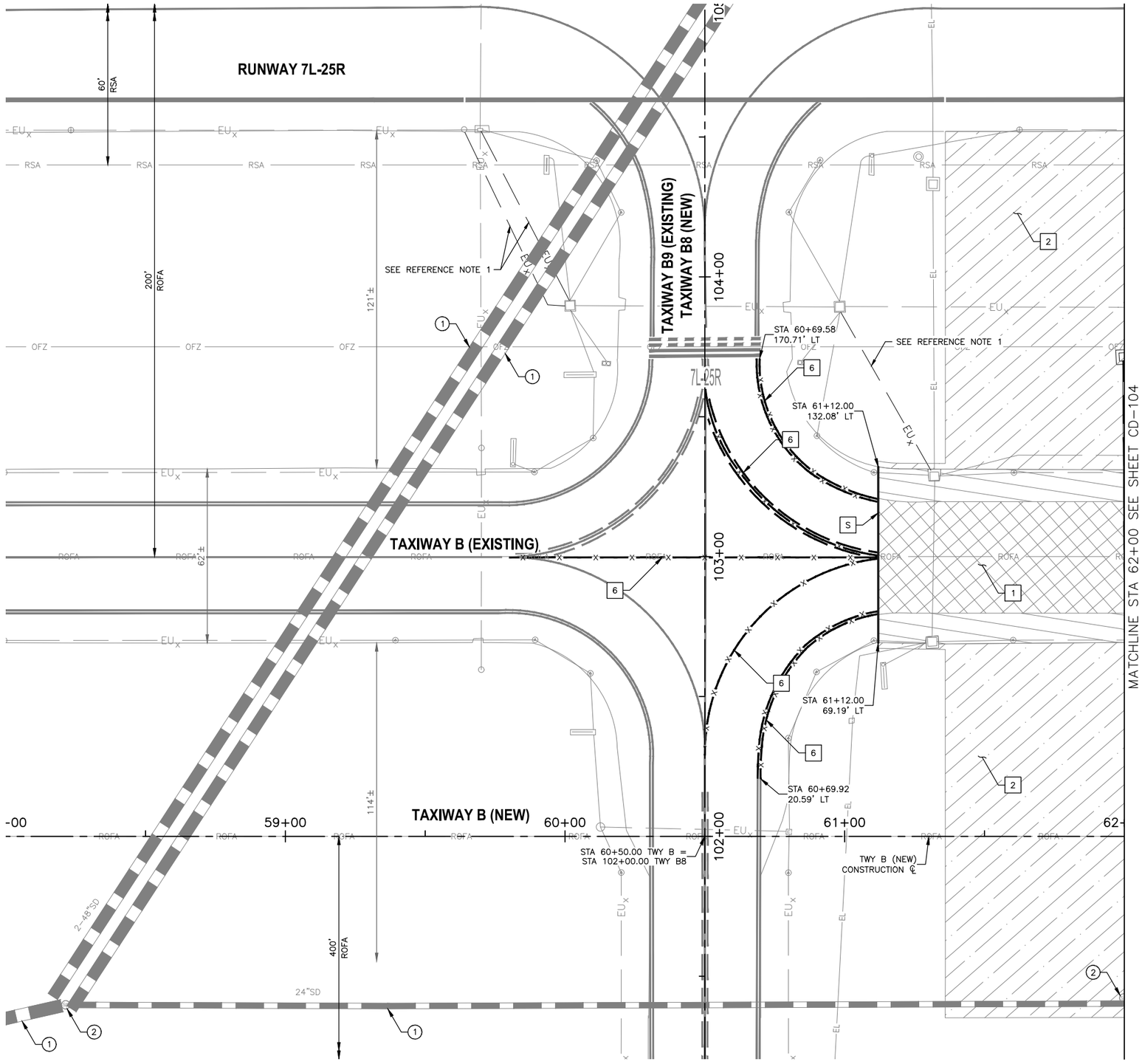
SHEET OVERVIEW TITLE

CONSTRUCTION SAFETY & PHASING PLAN - PHASE 2

SHEET REFERENCE NUMBER:
GC-103

SHEET 09 OF 107

N:\2019\190801 – DVT TWY B Relocation\Dwg\Dwg\GMP1\ AV31000092–1–GC–103–GMP1.dwg – Apr 07,2023 11:31am



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)

FULL DEPTH ASPHALT PAVEMENT REMOVAL

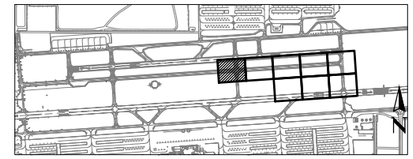
FULL DEPTH ASPHALT SHOULDER PAVEMENT REMOVAL

CRUSHED AGGREGATE SLOPE PROTECTION

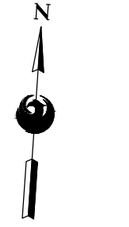
REFERENCE NOTES

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



0 20' 40'

SCALE:1"=20'

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B6 AND B9 - GMP 1
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Designed by: B. SALINE
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Checked by: C. JHAVERI
Date: 04/2023
Dwg scale: AS SHOWN

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

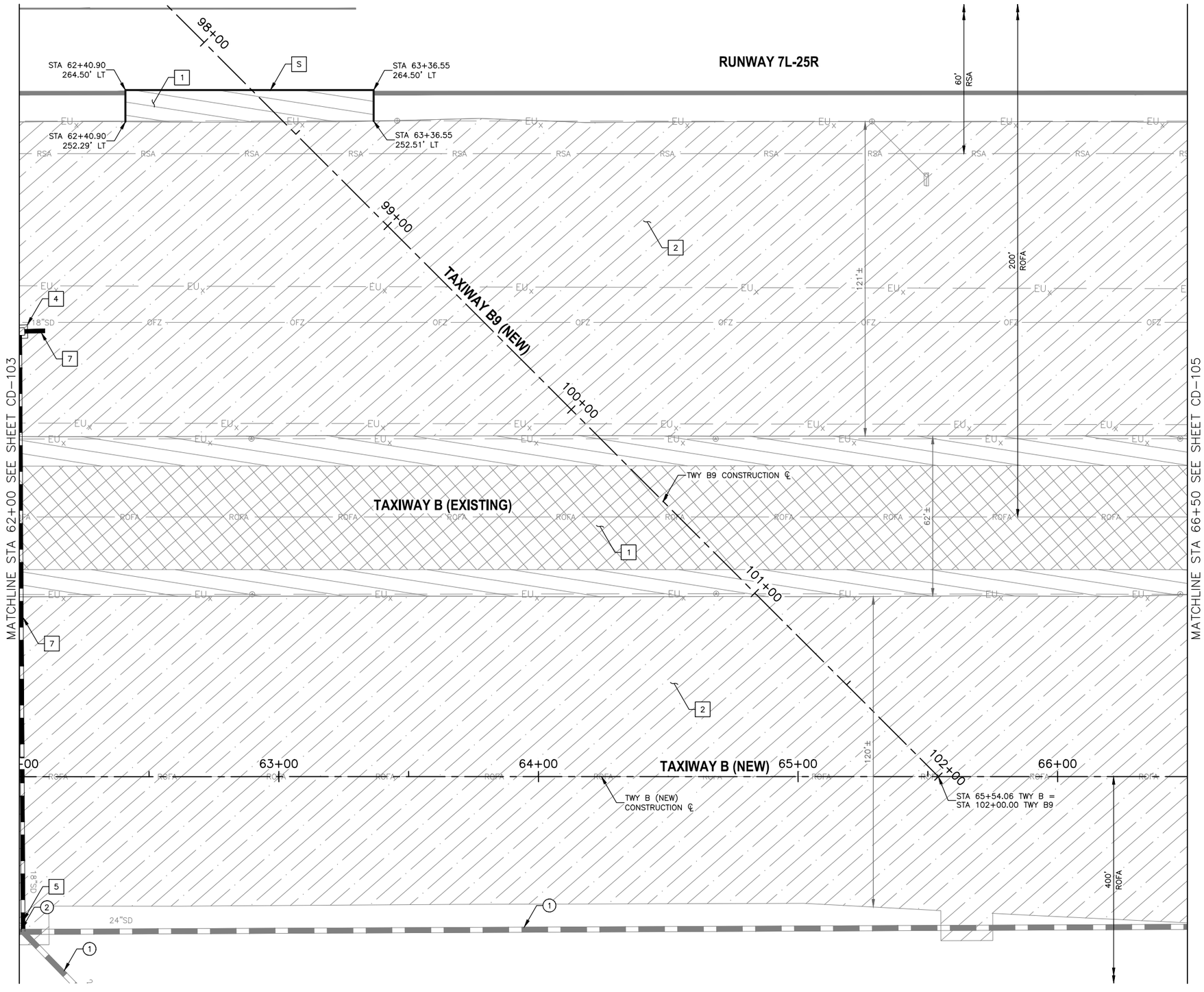
SHEET OVERVIEW TITLE

CIVIL DEMOLITION PLAN

SHEET REFERENCE NUMBER:
CD-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)

FULL DEPTH ASPHALT PAVEMENT REMOVAL

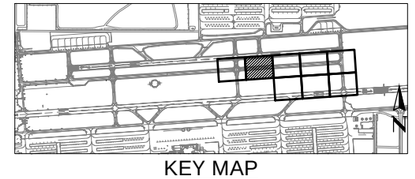
FULL DEPTH ASPHALT SHOULDER PAVEMENT REMOVAL

CRUSHED AGGREGATE SLOPE PROTECTION

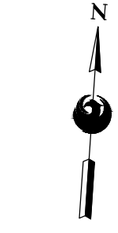
REFERENCE NOTES

(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



SCALE:1"=20'

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CITY OF PHOENIX AVIATION DEPARTMENT

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RELOCATE TAXIWAY B AND CONSTRUCT CONNECTORS B6 AND B9 - GMP 1
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AIP NO.:3-04-0028-045-2023

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Drawn by:	T. ROTH
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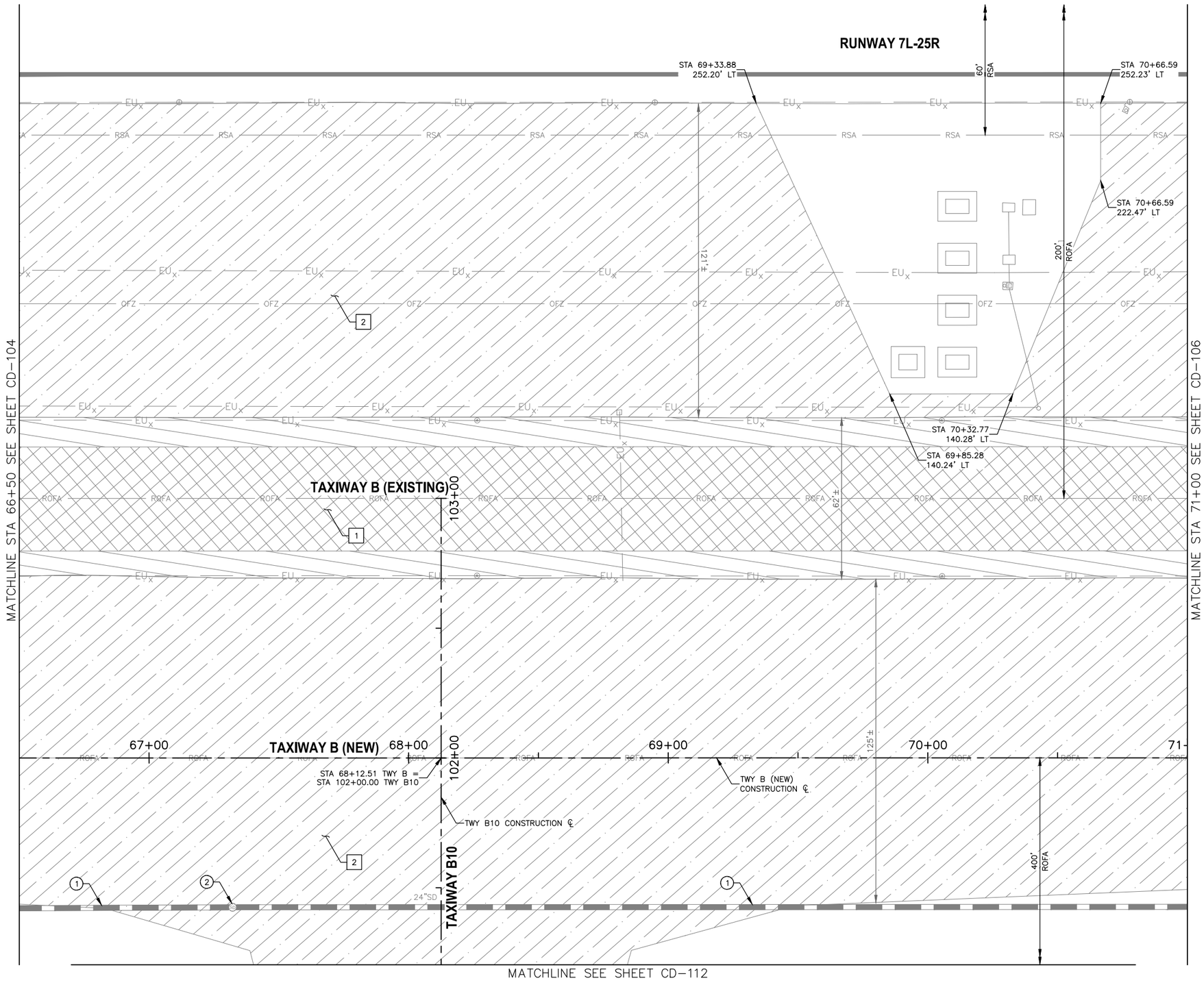
SHEET OVERVIEW TITLE

CIVIL DEMOLITION PLAN

SHEET REFERENCE NUMBER:
CD-104

SHEET 11 OF 107

N:\2019\190801 - DVT TWY B Relocation\Dwg\Dwg\GMP1\ AV31000092-1-CD-104-GMP1.dwg - Apr 07,2023 3:07pm



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

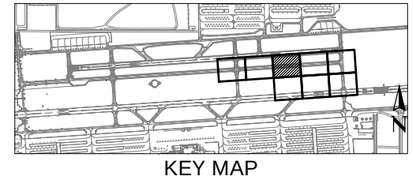
FULL DEPTH ASPHALT SHOULDER PAVEMENT REMOVAL

CRUSHED AGGREGATE SLOPE PROTECTION

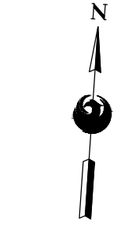
REFERENCE NOTES

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



SCALE:1"=20'

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PRIME CONSULTANT: TRACE CONSULTING, 1201 E. Jefferson St. | Suite 3 | Phoenix, AZ 85034
SUB CONSULTANT

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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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

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

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

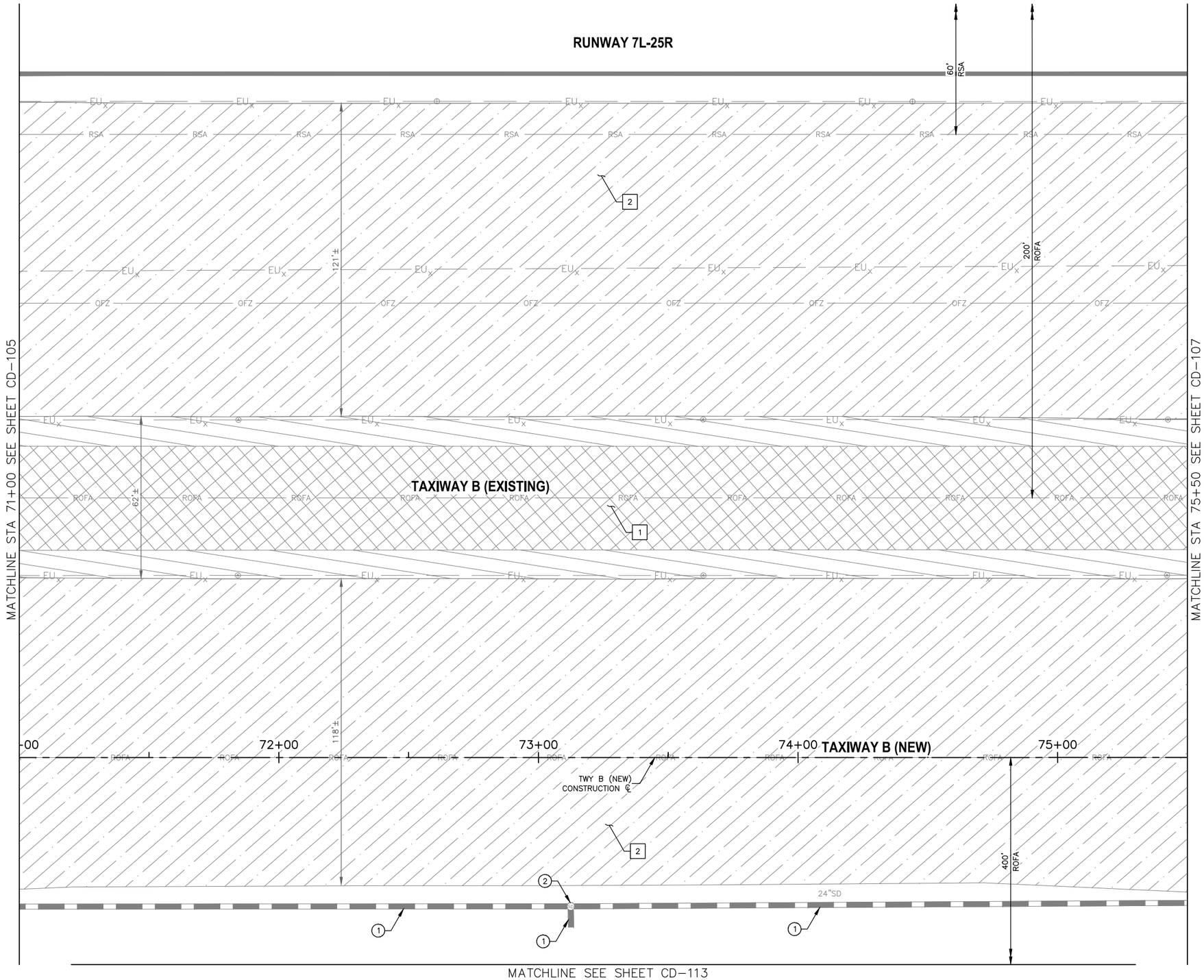
SHEET OVERVIEW TITLE

CIVIL DEMOLITION PLAN

SHEET REFERENCE NUMBER: **CD-105**

SHEET 12 OF 107

N:\2019\190801 - DVT TWY B Relocation\Dwg\Dwg\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

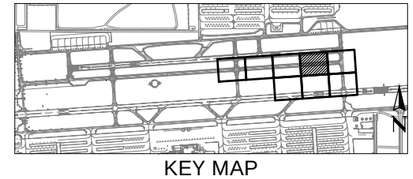
FULL DEPTH ASPHALT SHOULDER PAVEMENT REMOVAL

CRUSHED AGGREGATE SLOPE PROTECTION

REFERENCE NOTES

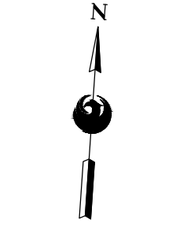
1. EXISTING STORM DRAIN PIPE, PROTECT IN PLACE
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3. STATIONING IS BASED ON NEW TWY B CONSTRUCTION ℄ UNLESS OTHERWISE NOTED.



KEY MAP

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SCALE:1"=20'

PRIME CONSULTANT: TRACE CONSULTING, 1201 E. Jefferson St. | Suite 3 | Phoenix, AZ 85034

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT GYR

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

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

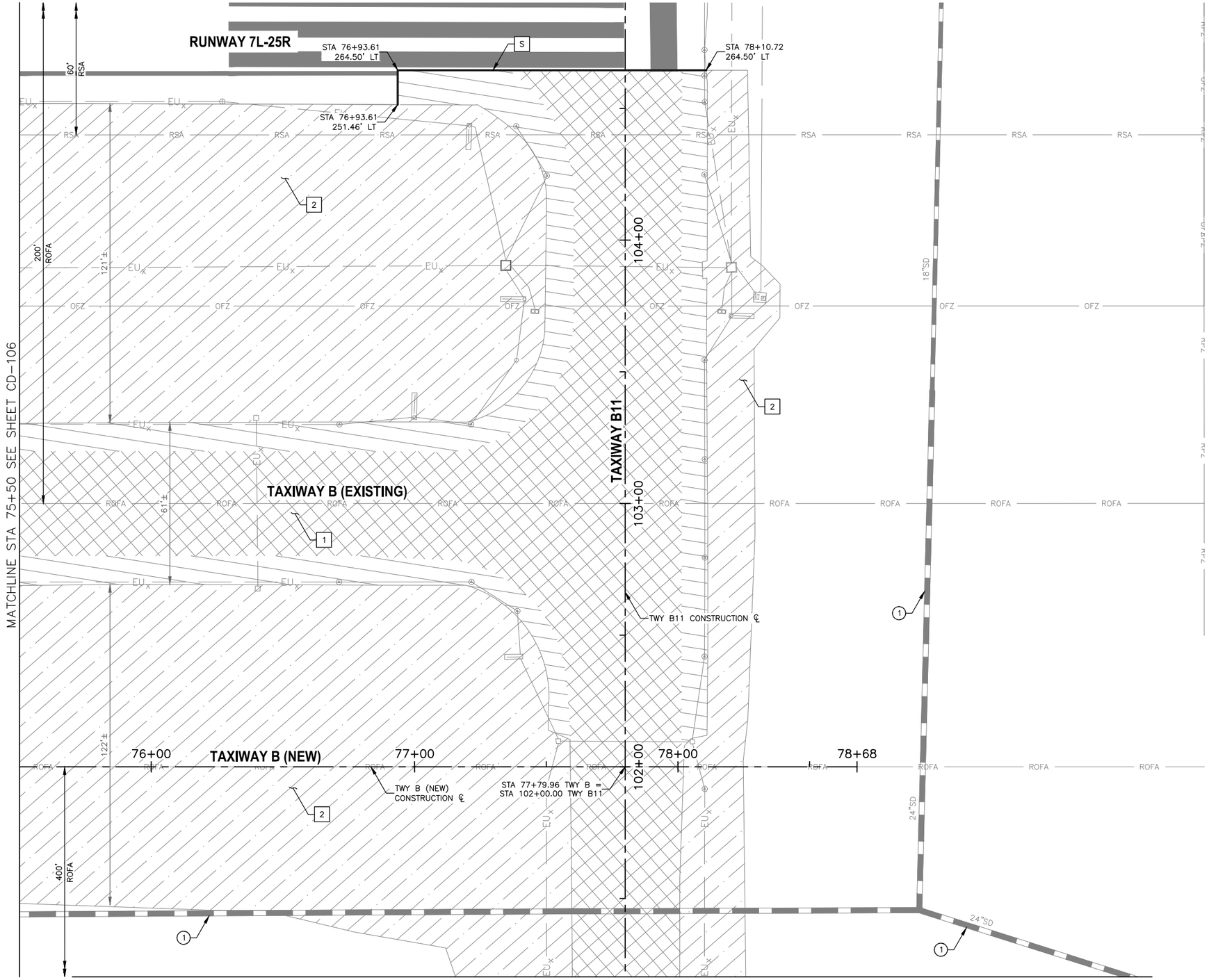
SHEET OVERVIEW TITLE

CIVIL DEMOLITION PLAN

SHEET REFERENCE NUMBER: **CD-106**

SHEET 13 OF 107

N:\2019\190801 - DVT TWY B Relocation\Dwg\Dwg\GMP1\ AV31000092-1-CD-106-GMP1.dwg - Apr 07,2023 3:09pm



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

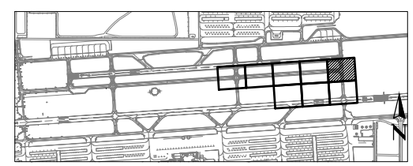
FULL DEPTH ASPHALT SHOULDER PAVEMENT REMOVAL

CRUSHED AGGREGATE SLOPE PROTECTION

REFERENCE NOTES

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1. SEE ELECTRICAL DEMOLITION PLAN FOR ELECTRICAL ITEMS.
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KEY MAP

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N

0 20' 40'

SCALE:1"=20'

PRIME CONSULTANT
TRACE CONSULTING
1201 E. Jefferson St. | Suite 31 | Phoenix, AZ 85034

SUB CONSULTANT

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT GYR
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

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

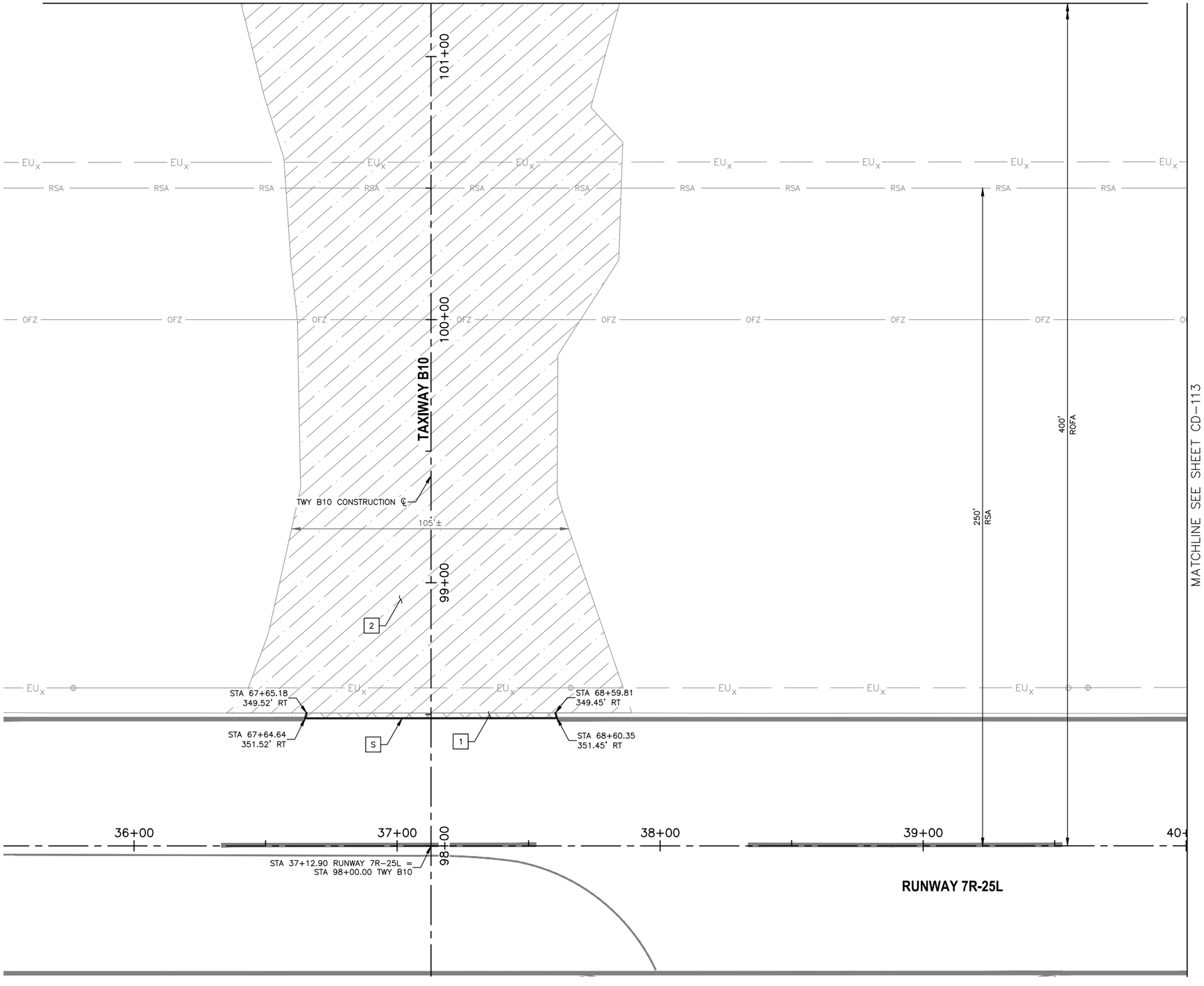
SHEET OVERVIEW TITLE

CIVIL DEMOLITION PLAN

SHEET REFERENCE NUMBER:
CD-107

SHEET 14 OF 107

N:\2019\190801 - DVT TWY B Relocation\Dwg\Dwg\GMP1_AV31000092-1-CD-107-GMP1.dwg - Apr 07,2023 3:10pm



REMOVAL NOTES

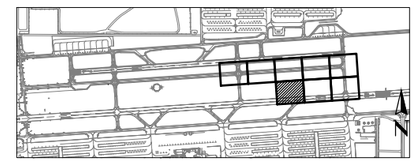
1	REMOVE EXISTING ASPHALT PAVEMENT FULL DEPTH (P-101)
2	REMOVE, HAUL, AND STOCKPILE CRUSHED AGGREGATE SLOPE PROTECTION (SP-37)
S	SAWCUT EXISTING AC PAVEMENT FULL DEPTH (NPI)

FULL DEPTH ASPHALT PAVEMENT REMOVAL

CRUSHED AGGREGATE SLOPE PROTECTION

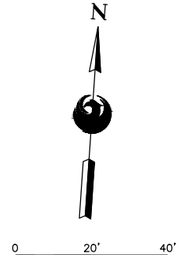
REFERENCE NOTES

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KEY MAP

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SCALE:1"=20'

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SUB CONSULTANT

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PRELIMINARY NOT FOR CONSTRUCTION

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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

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

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

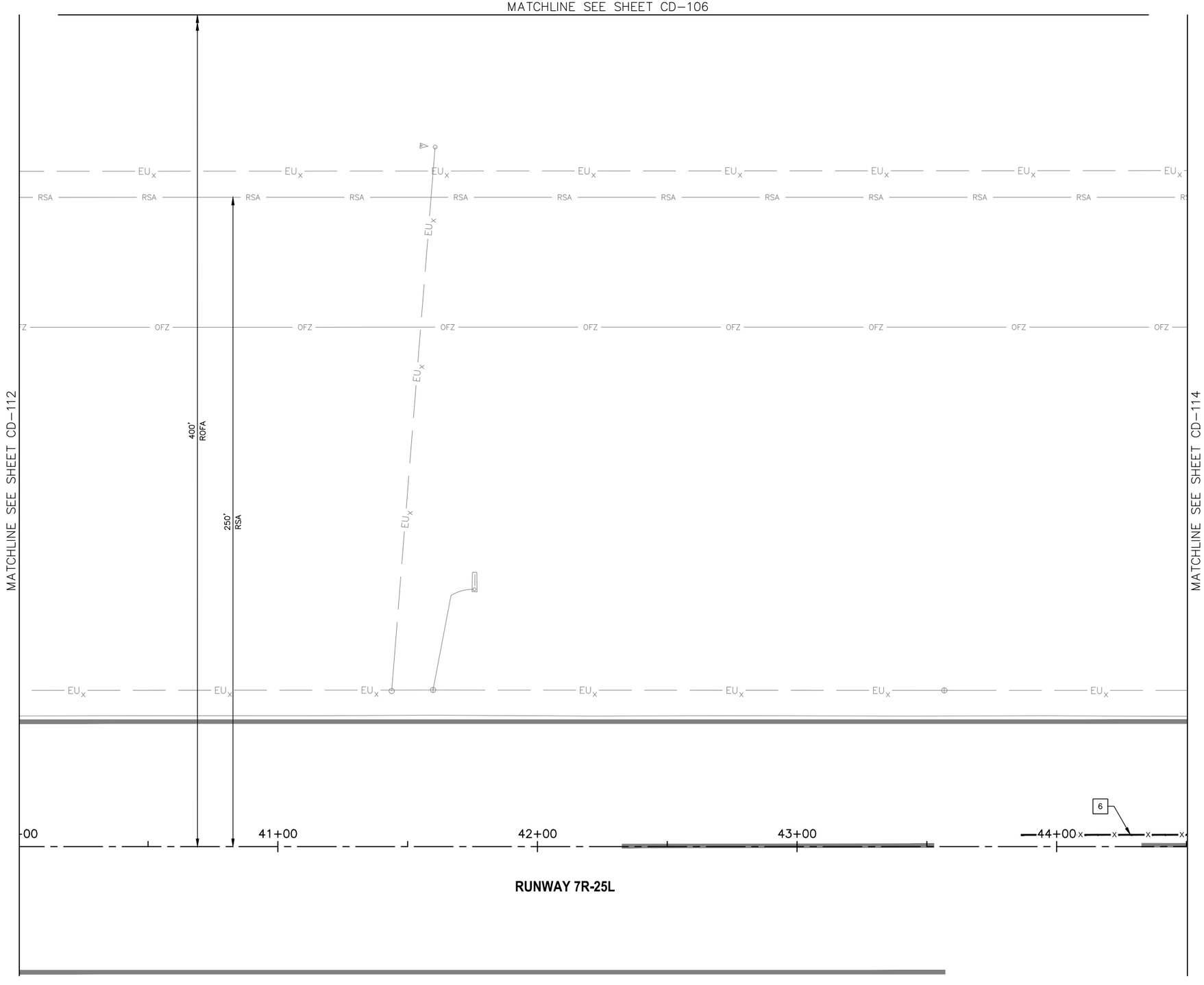
SHEET OVERVIEW TITLE

CIVIL DEMOLITION PLAN

SHEET REFERENCE NUMBER:
CD-112

SHEET 15 OF 107

N:\2019\190801 - DVT TWY B Relocation\Dwg\Dwg\GMP1\ AV31000092-1-CD-112-GMP1.dwg - Apr 07,2023 3:10pm

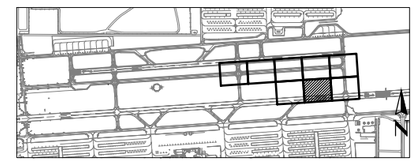


REMOVAL NOTES

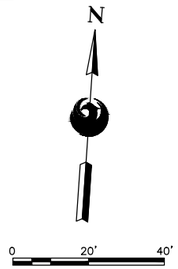
6 OBLITERATE EXISTING PAVEMENT MARKING (P-620)

REFERENCE NOTES

1. SEE ELECTRICAL DEMOLITION PLAN FOR ELECTRICAL ITEMS.
2. SEE GRADING AND DRAINAGE PLAN FOR GRADING LIMIT STATIONING.
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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 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

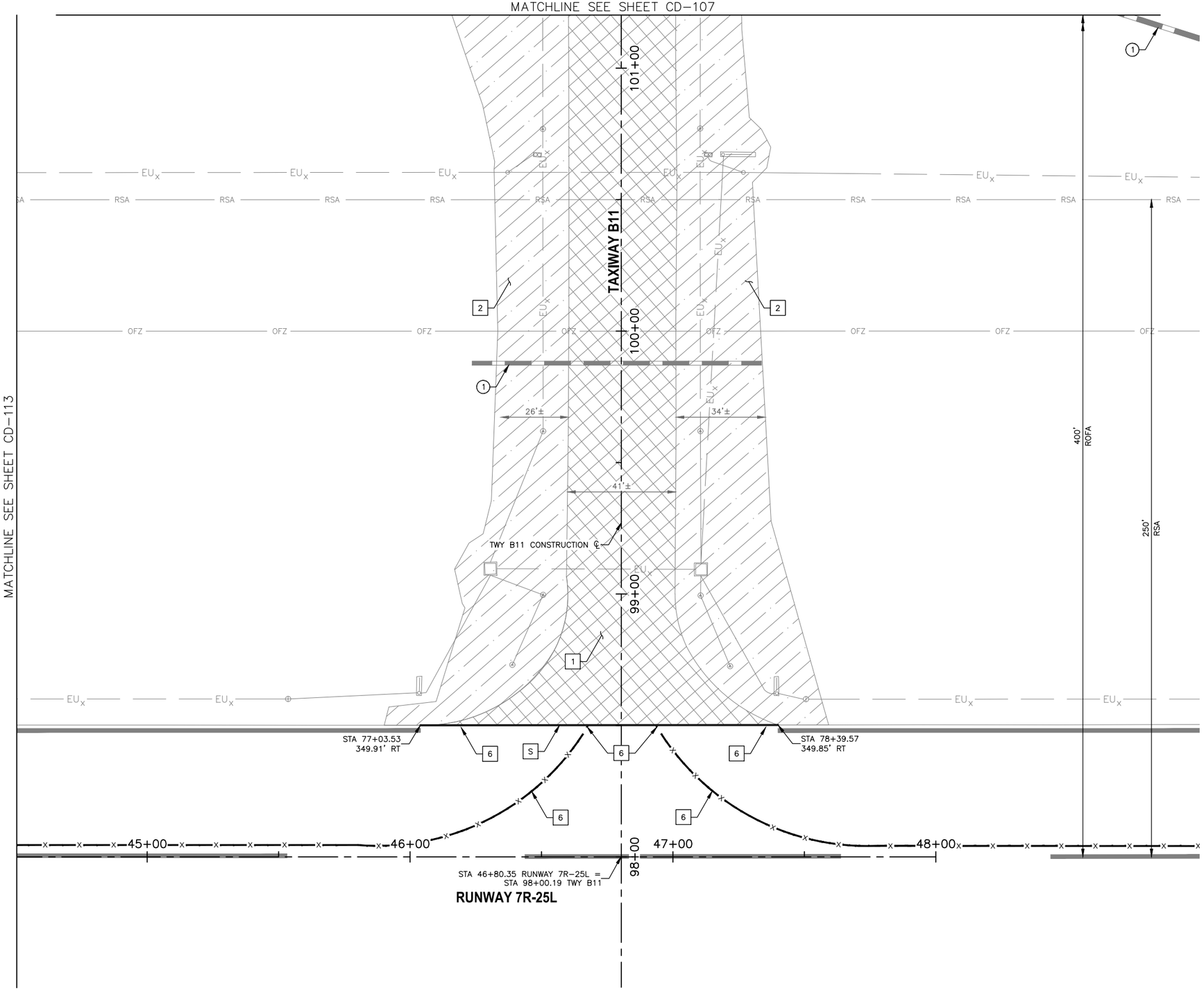
AIP NO.:3-04-0028-045-2023

SHEET OVERVIEW TITLE

CIVIL DEMOLITION PLAN

SHEET REFERENCE NUMBER:
CD-113

N:\2019\190801 - DVT TWY B Relocation\Dwg\Dwg\GMP1\ AV31000092-1_CD-113_GMP1.dwg - Apr 07,2023 3:11pm



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)

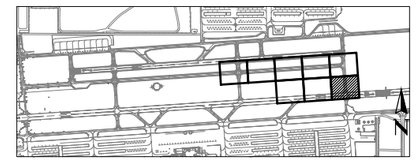
ASPHALT PAVEMENT REMOVAL

CRUSHED AGGREGATE SLOPE PROTECTION

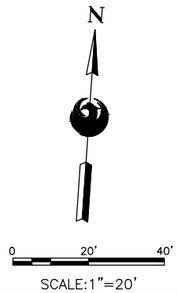
REFERENCE NOTES

(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



0 20' 40'

SCALE:1"=20'

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PRIME CONSULTANT
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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT
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

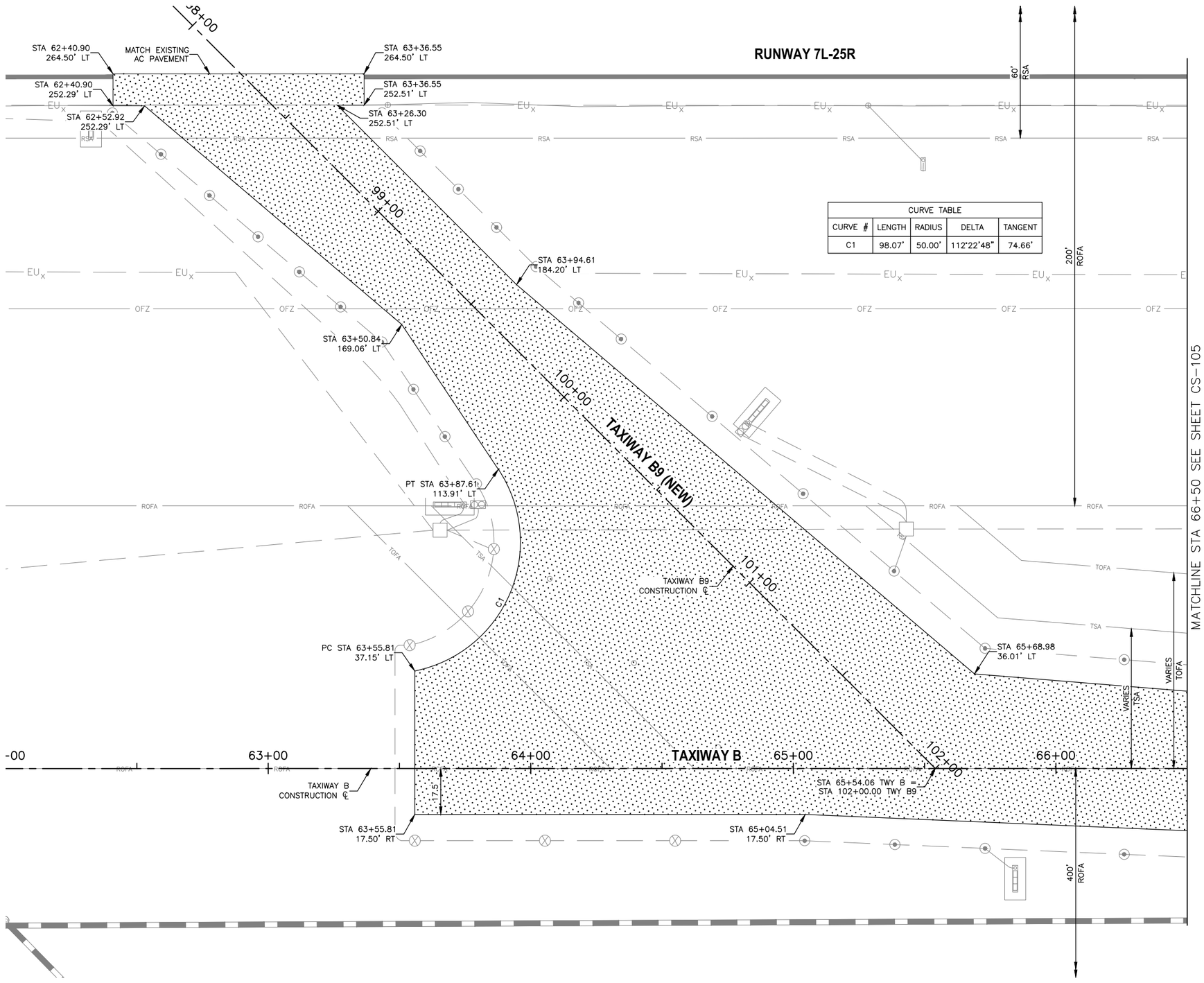
SHEET OVERVIEW TITLE

CIVIL DEMOLITION PLAN

SHEET REFERENCE NUMBER:
CD-114

SHEET 17 OF 107

N:\2019\190801 - DVT TWY B Relocation\Dwg\Dwg\GMP1\ AV31000092-1-CD-114-GMP1.dwg - Apr 07,2023 3:12pm



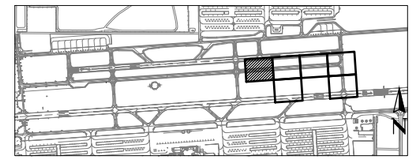
CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	TANGENT
C1	98.07'	50.00'	112°22'48"	74.66'

LEGEND

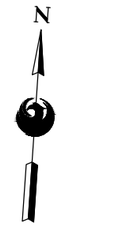
NEW ASPHALT TAXIWAY PAVEMENT. SEE TYPICAL SECTION 1 SHEET CS-301

REFERENCE NOTES

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



KEY MAP



SCALE:1"=20'

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT
CITY OF PHOENIX AVIATION DEPARTMENT

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

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

Designed by: B. SALINE
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Checked by: C. JHAVERI
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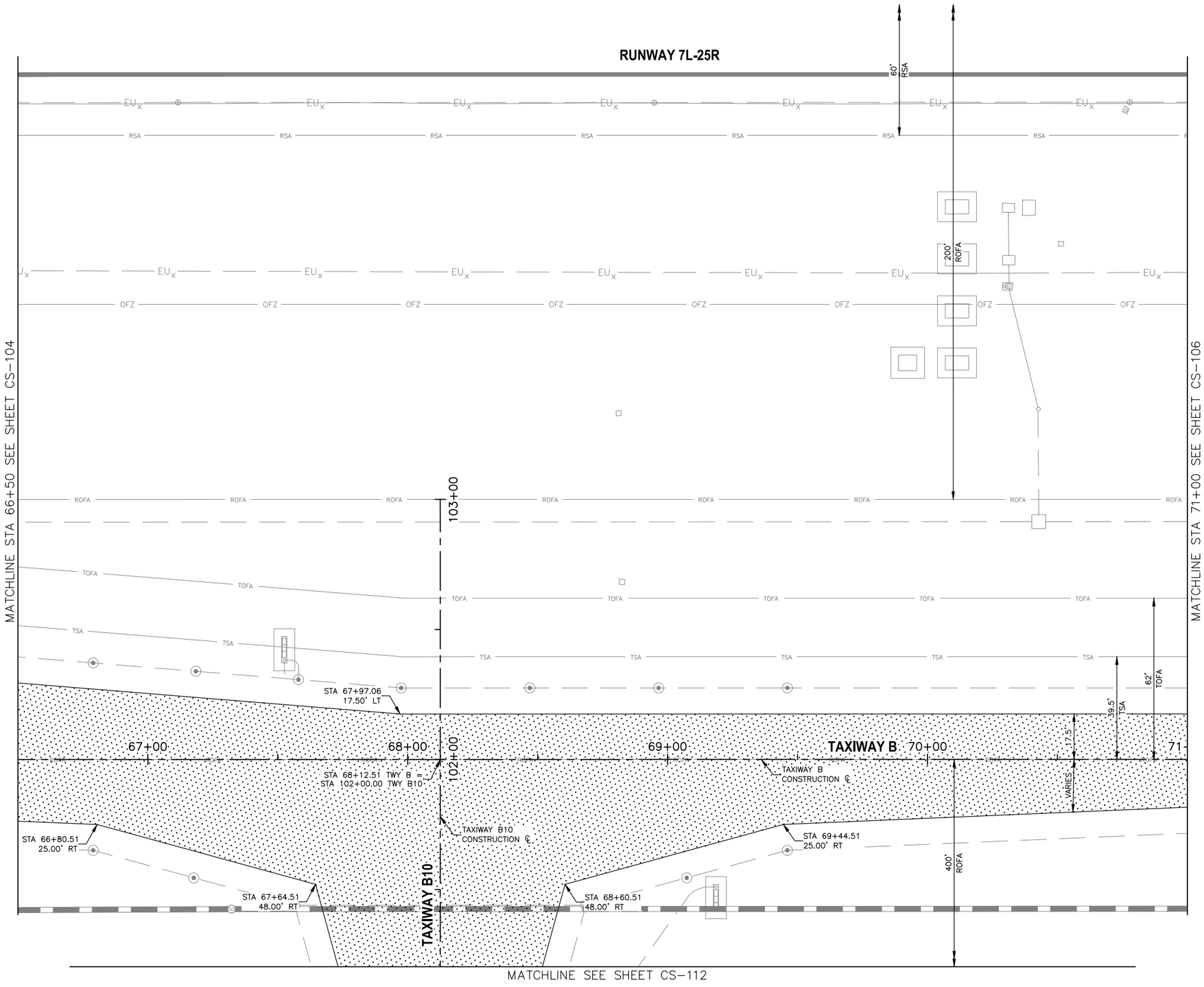
SHEET OVERVIEW TITLE

GEOMETRIC LAYOUT PLAN

SHEET REFERENCE NUMBER:
CS-104

SHEET 18 OF 107

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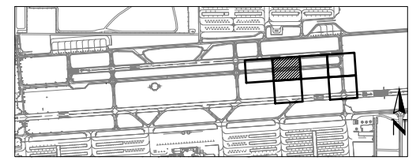


LEGEND

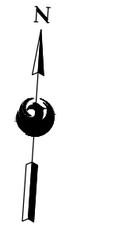
NEW ASPHALT TAXIWAY PAVEMENT. SEE TYPICAL SECTION 1 SHEET CS-301

REFERENCE NOTES

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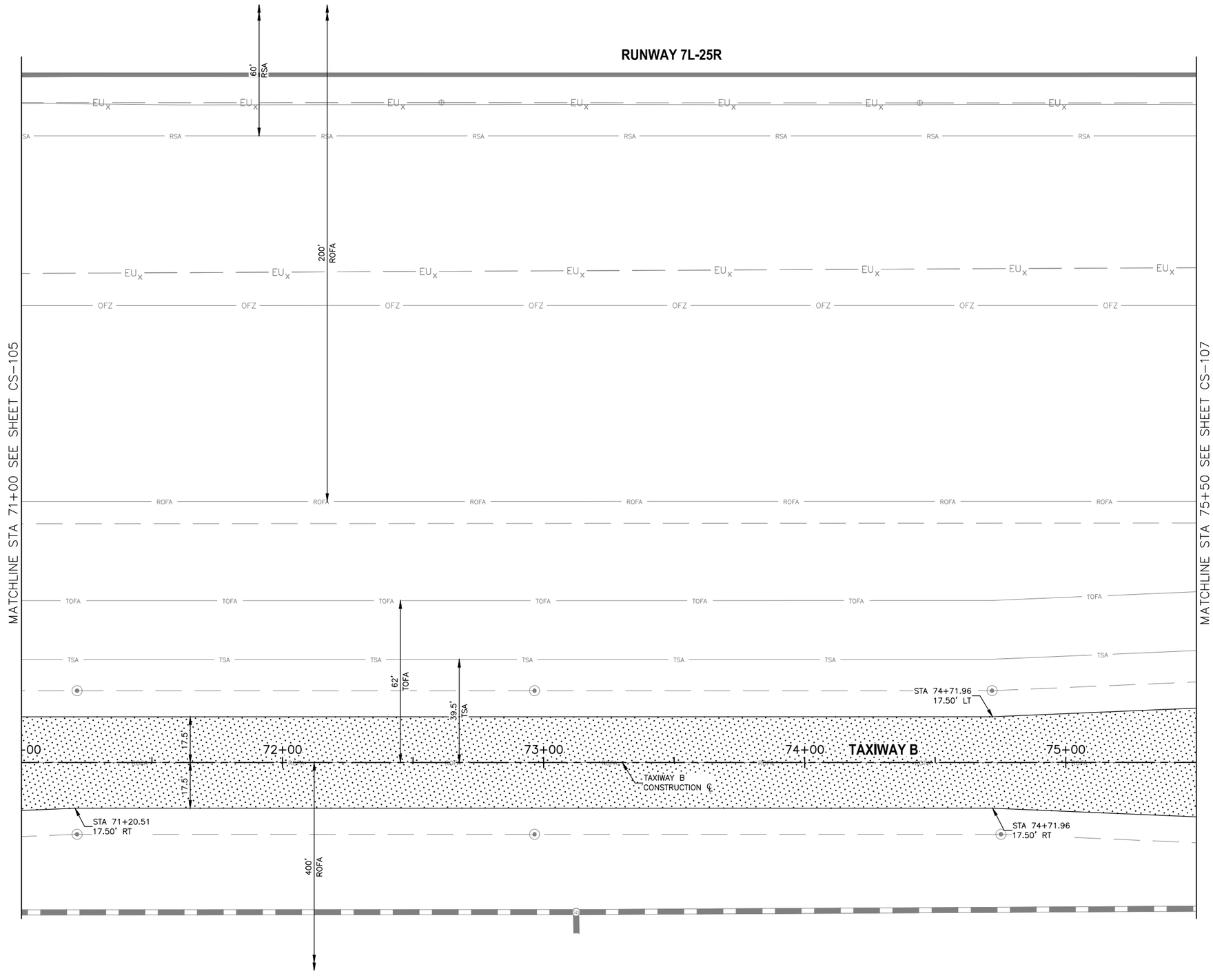
SHEET OVERVIEW TITLE

GEOMETRIC LAYOUT PLAN

SHEET REFERENCE NUMBER:
CS-105

SHEET 19 OF 107

N:\2019\190801 - DVT TWY B Relocation\Dwg\Dwg\GMP1\ AV31000092-1-CS-105-GMP1.dwg - Apr 07,2023 3:13pm

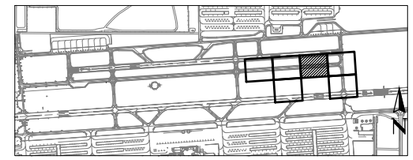


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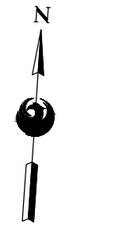
NEW ASPHALT TAXIWAY PAVEMENT. SEE TYPICAL SECTION 1 SHEET CS-301

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
ARIZONA811
Call 811 or click Arizona811.com

PRIME CONSULTANT
TRACE CONSULTING
1201 E. Jefferson St. | Suite 3 | Phoenix, AZ 85034

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 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

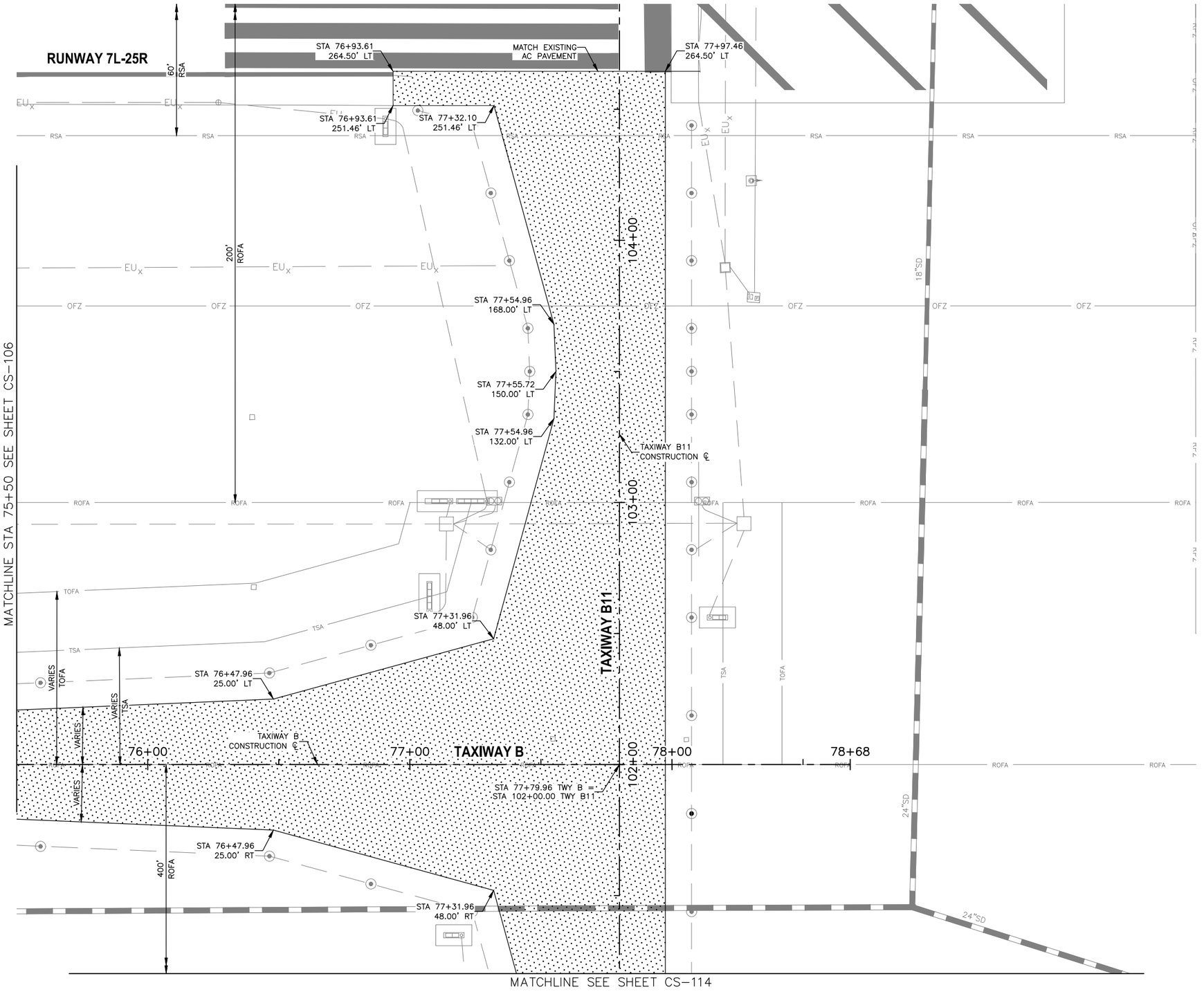
SHEET OVERVIEW TITLE

GEOMETRIC LAYOUT PLAN

SHEET REFERENCE NUMBER:
CS-106

SHEET 20 OF 107

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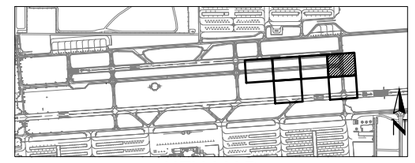


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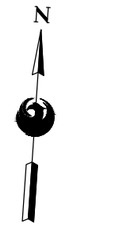
NEW ASPHALT TAXIWAY PAVEMENT. SEE TYPICAL SECTION 1 SHEET CS-301

REFERENCE NOTES

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KEY MAP



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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT
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-107
SHEET 21 OF 107

N:\2019\190801 - DVT TWY B Relocation\Dwg\Dwg\GMP1\AV31000092-1_CS-107_GMP1.dwg - Apr 07,2023 3:15pm

MATCHLINE SEE SHEET CS-105

101+00

100+00

99+00

98+00

TAXIWAY B10

STA 67+87.51
132.00' RT

STA 68+37.51
132.00' RT

VARIES

VARIES

STA 67+90.40
200.00' RT

STA 68+34.61
200.00' RT

STA 67+87.51
268.00' RT

STA 68+37.51
268.00' RT

TAXIWAY B10
CONSTRUCTION ℄

STA 67+64.64
351.52' RT

MATCH EXISTING
AC PAVEMENT

STA 68+60.35
351.45' RT

250'
RSA

RUNWAY 7R-25L

36+00

37+00

38+00

39+00

40+

STA 37+12.90 RWY 7R-25L =
STA 98+00.00 TWY B10

RUNWAY 7R-25L
CONSTRUCTION ℄

EUX

RSA

OFZ

LEGEND

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

REFERENCE NOTES

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

KEY MAP

N

0 20' 40'

SCALE:1"=20'

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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

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

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

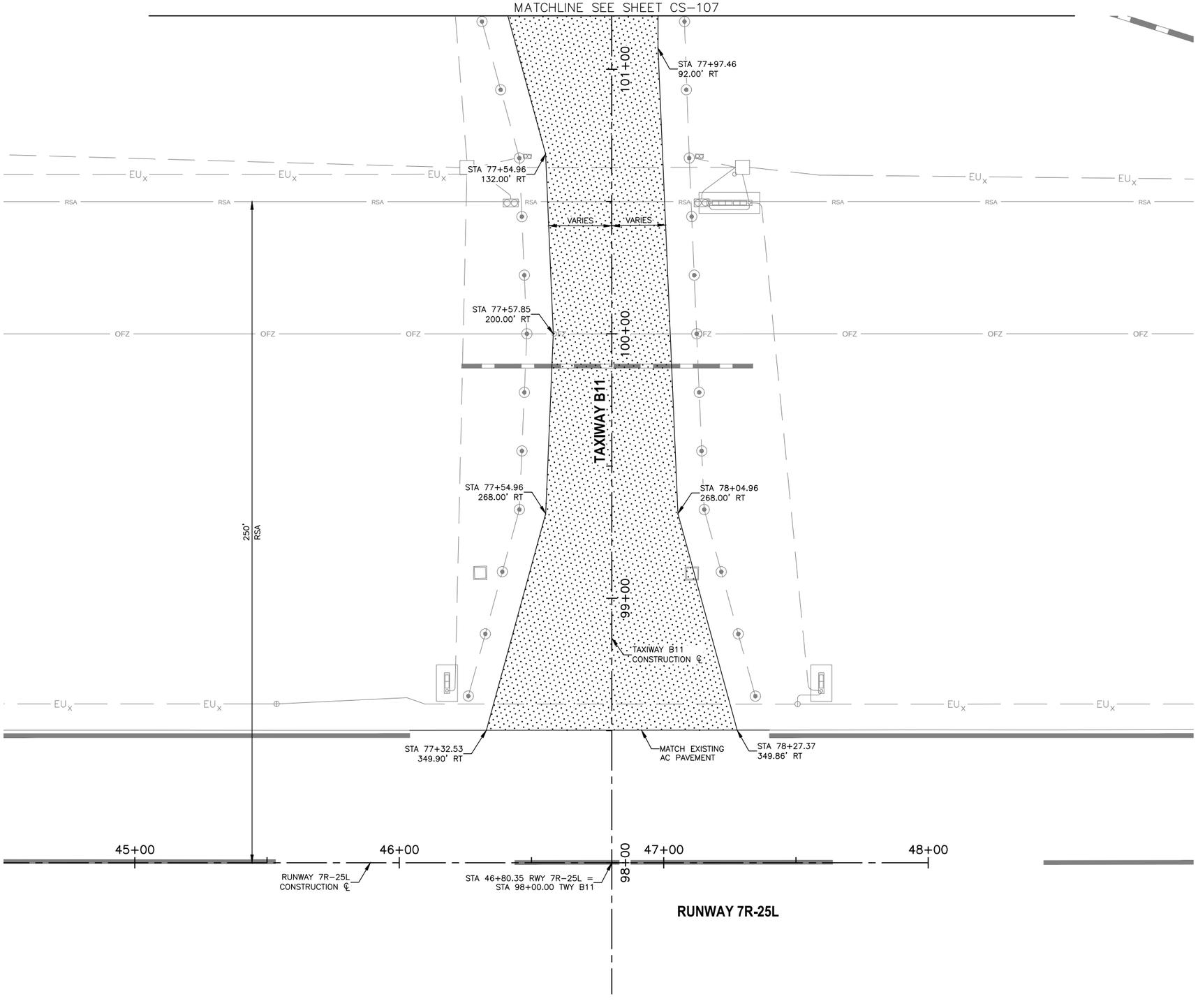
SHEET OVERVIEW TITLE

GEOMETRIC LAYOUT PLAN

SHEET REFERENCE NUMBER:
CS-112

SHEET 22 OF 107

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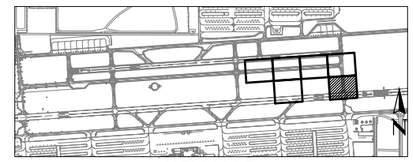


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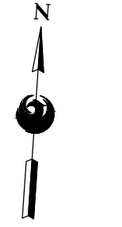
NEW ASPHALT TAXIWAY PAVEMENT. SEE TYPICAL SECTION 1 SHEET CS-301

REFERENCE NOTES

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KEY MAP



0 20' 40'

SCALE:1"=20'

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT
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

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

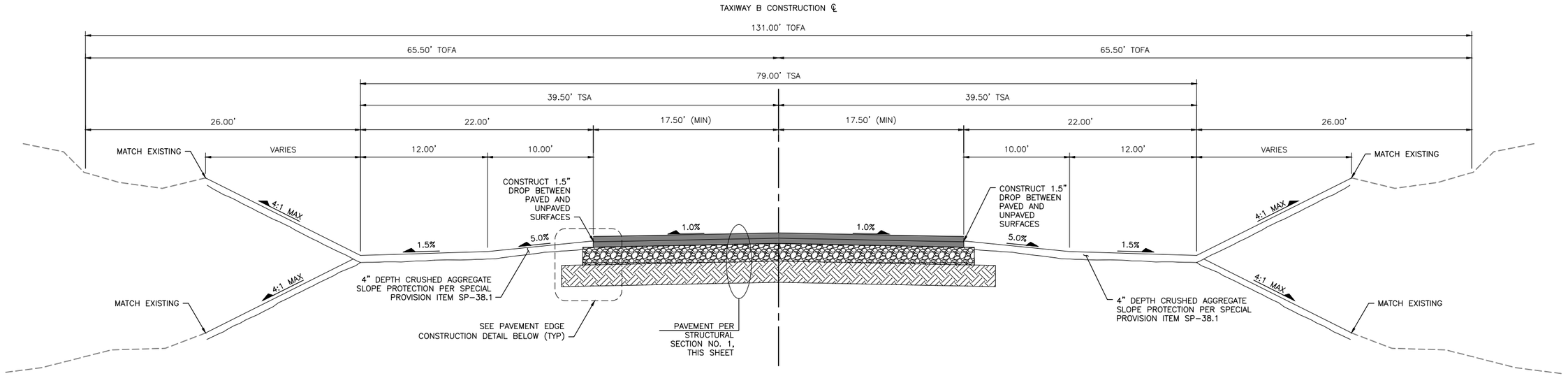
SHEET OVERVIEW TITLE

GEOMETRIC LAYOUT PLAN

SHEET REFERENCE NUMBER:
CS-114

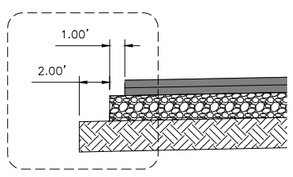
SHEET 23 OF 107

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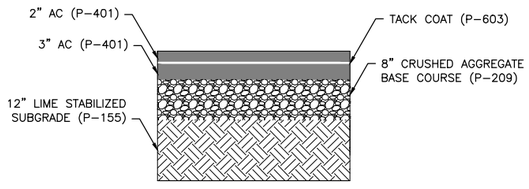


TYPICAL SECTION NO. 1

STA XX+XX TO STA XX+XX



PAVEMENT EDGE CONSTRUCTION DETAIL



STRUCTURAL SECTION NO.1

PRIME CONSULTANT
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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:	NTS

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

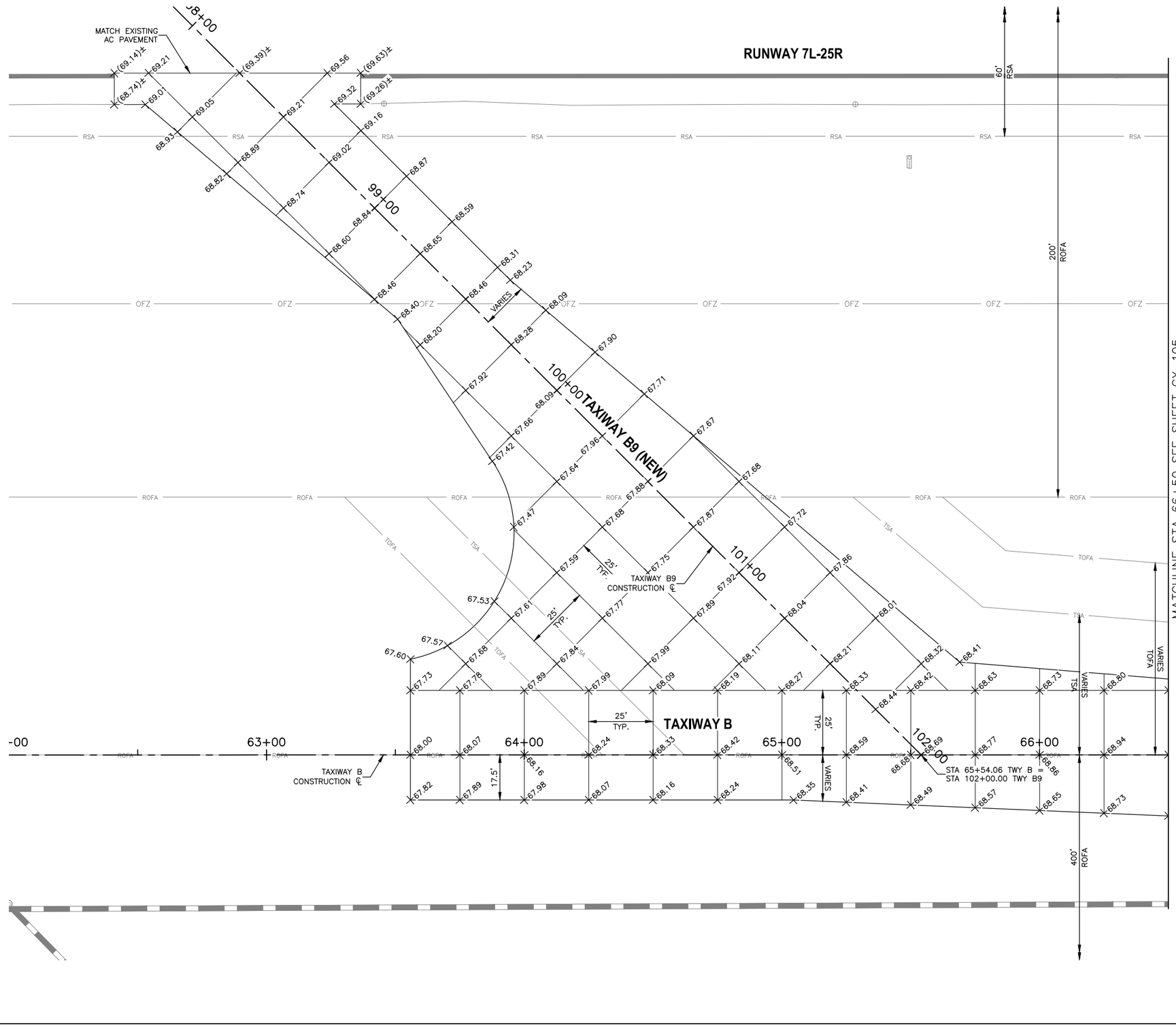
SHEET OVERVIEW TITLE

TYPICAL SECTIONS

SHEET REFERENCE NUMBER:
CS-301

SHEET 24 OF 107

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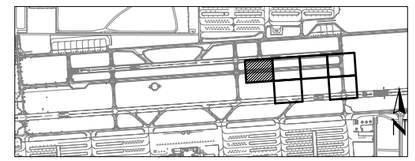
LEGEND

1. ADD 1400 TO ALL ELEVATIONS

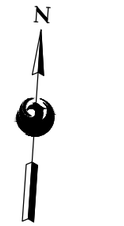
+XX.XX	PROPOSED ELEVATION
+(XX.XX)±	MATCH EXISTING ELEVATION

REFERENCE NOTES

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



KEY MAP



SCALE:1"=20'

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PRIME CONSULTANT
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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

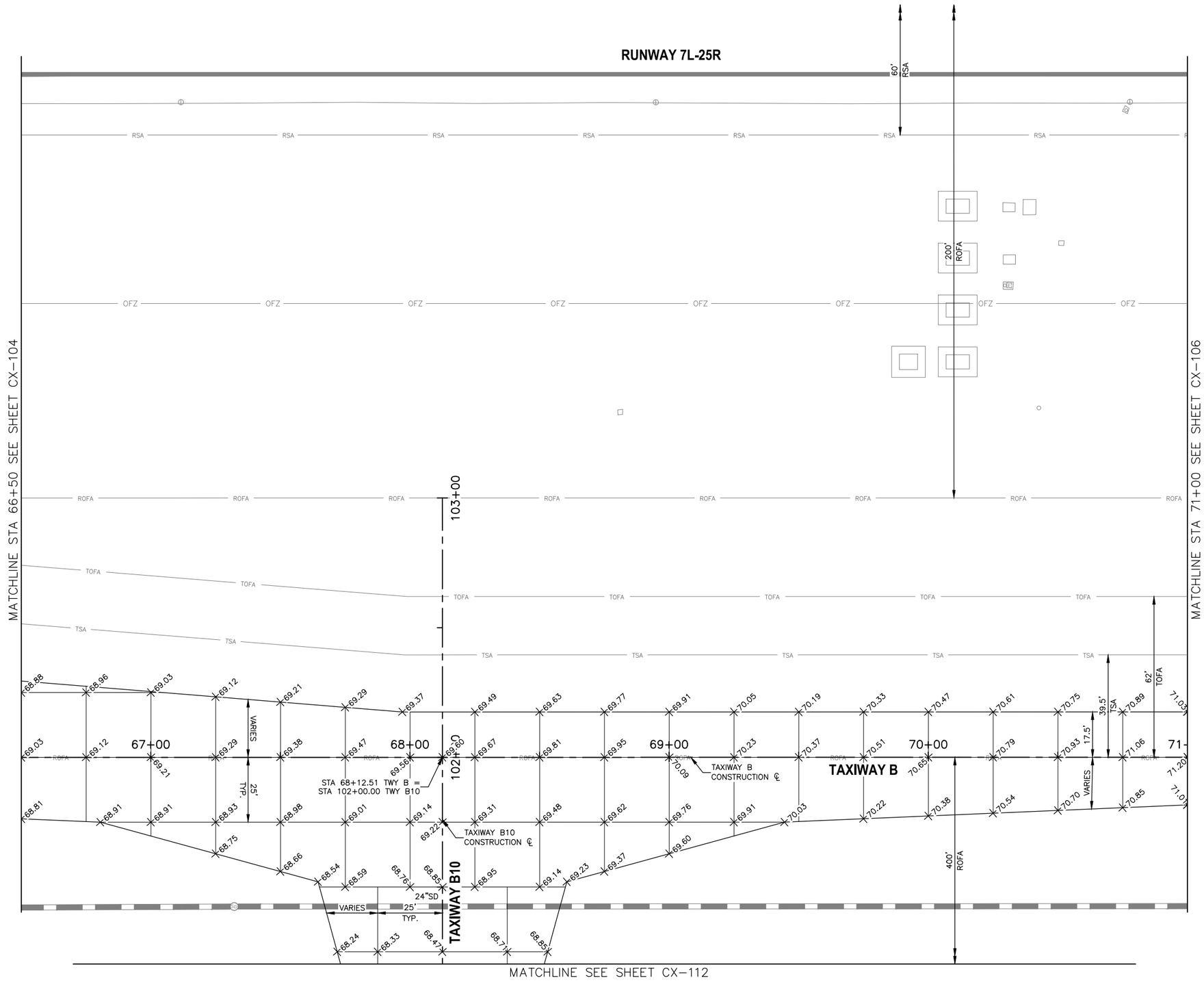
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SHEET OVERVIEW TITLE

PAVEMENT STAKING PLAN

SHEET REFERENCE NUMBER:
CX-104
SHEET 25 OF 107

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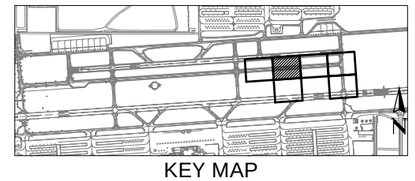
LEGEND

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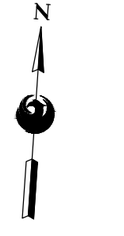
+XX.XX	PROPOSED ELEVATION
+(XX.XX)±	MATCH EXISTING ELEVATION

REFERENCE NOTES

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KEY MAP



SCALE:1"=20'

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PRIME CONSULTANT
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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

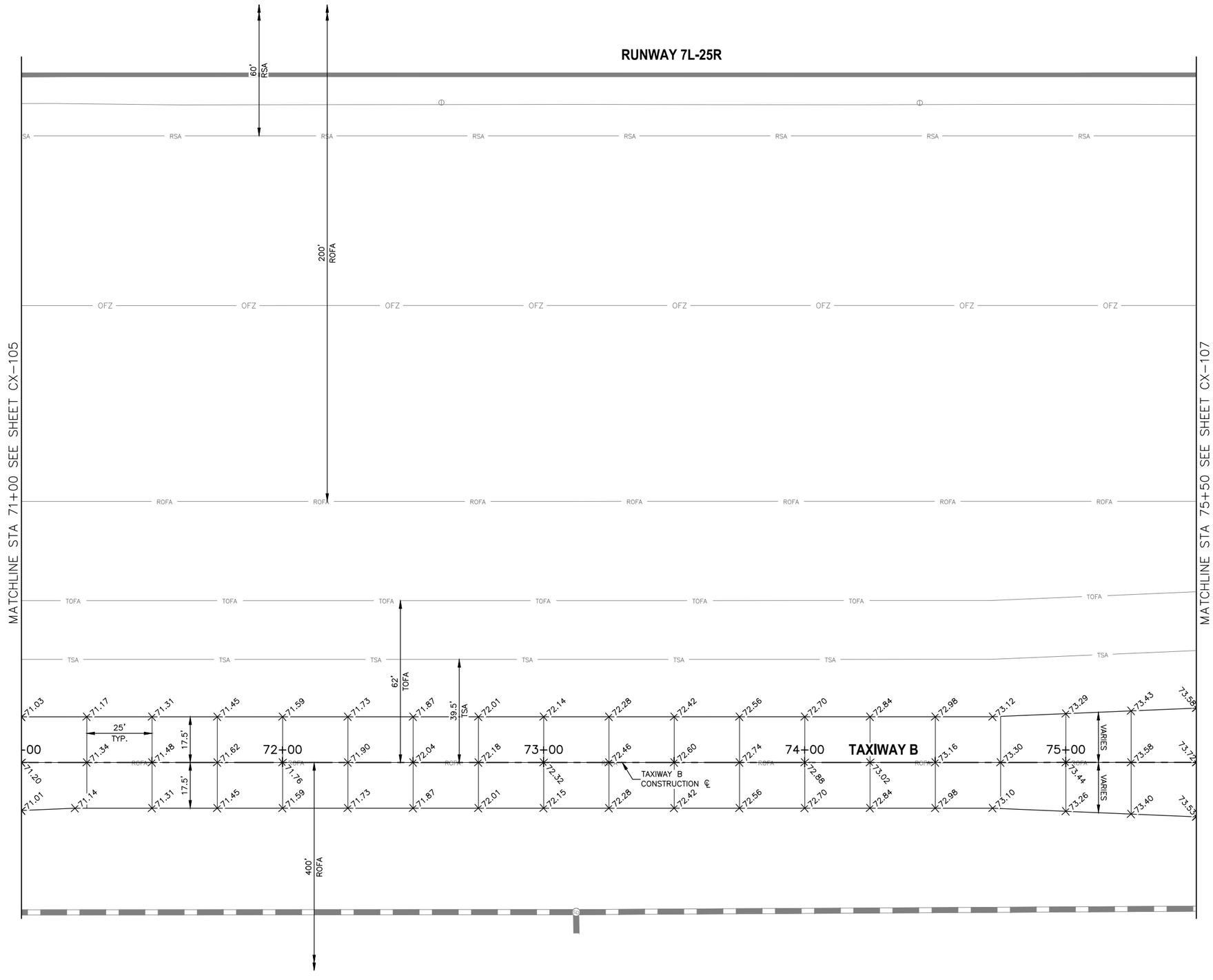
AIP NO.:3-04-0028-045-2023

SHEET OVERVIEW TITLE

PAVEMENT STAKING PLAN

SHEET REFERENCE NUMBER:
CX-105
SHEET 26 OF 107

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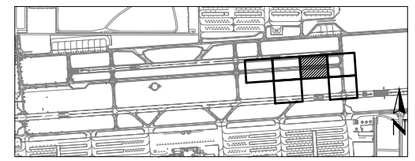
LEGEND

1. ADD 1400 TO ALL ELEVATIONS

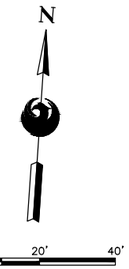
+XX.XX	PROPOSED ELEVATION
+(XX.XX)±	MATCH EXISTING ELEVATION

REFERENCE NOTES

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



KEY MAP



SCALE:1"=20'

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NO	REVISIONS / SUBMISSIONS	DATE

PHX SKY HARBOR
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

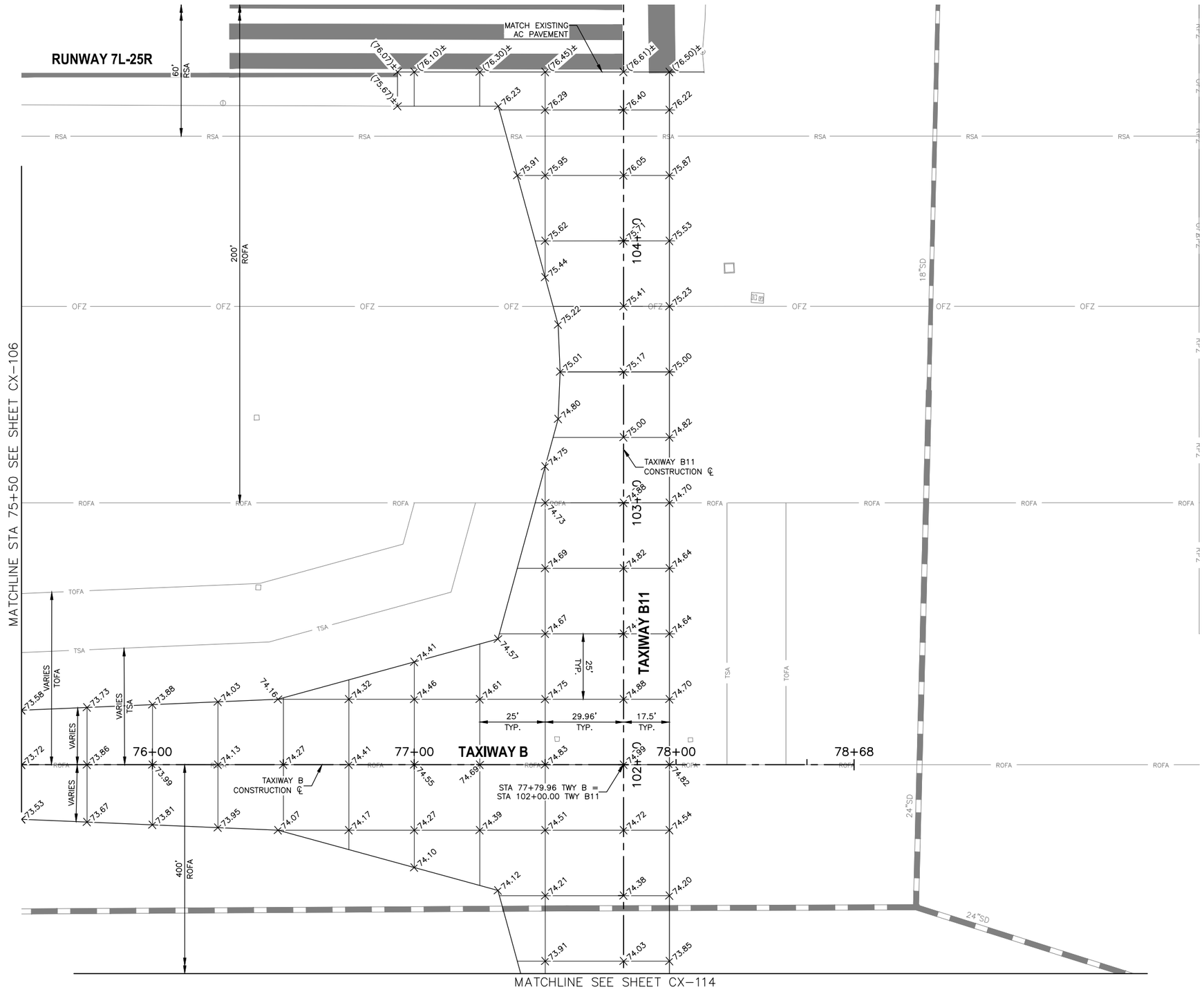
Designed by: B. SALINE
Drawn by: T. ROTH
Checked by: C. JHAVERI
Date: 04/2023
Dwg scale: AS SHOWN

SHEET OVERVIEW TITLE

PAVEMENT STAKING PLAN

SHEET REFERENCE NUMBER:
CX-106
SHEET 27 OF 107

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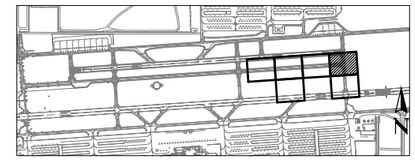
LEGEND

1. ADD 1400 TO ALL ELEVATIONS

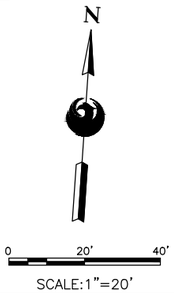
+XX.XX	PROPOSED ELEVATION
+(XX.XX)±	MATCH EXISTING ELEVATION

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
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RELOCATE TAXIWAY B AND CONSTRUCT CONNECTORS B6 AND B9 - GMP 1
AV31000092 FAA
AIP NO.:3-04-0028-045-2023

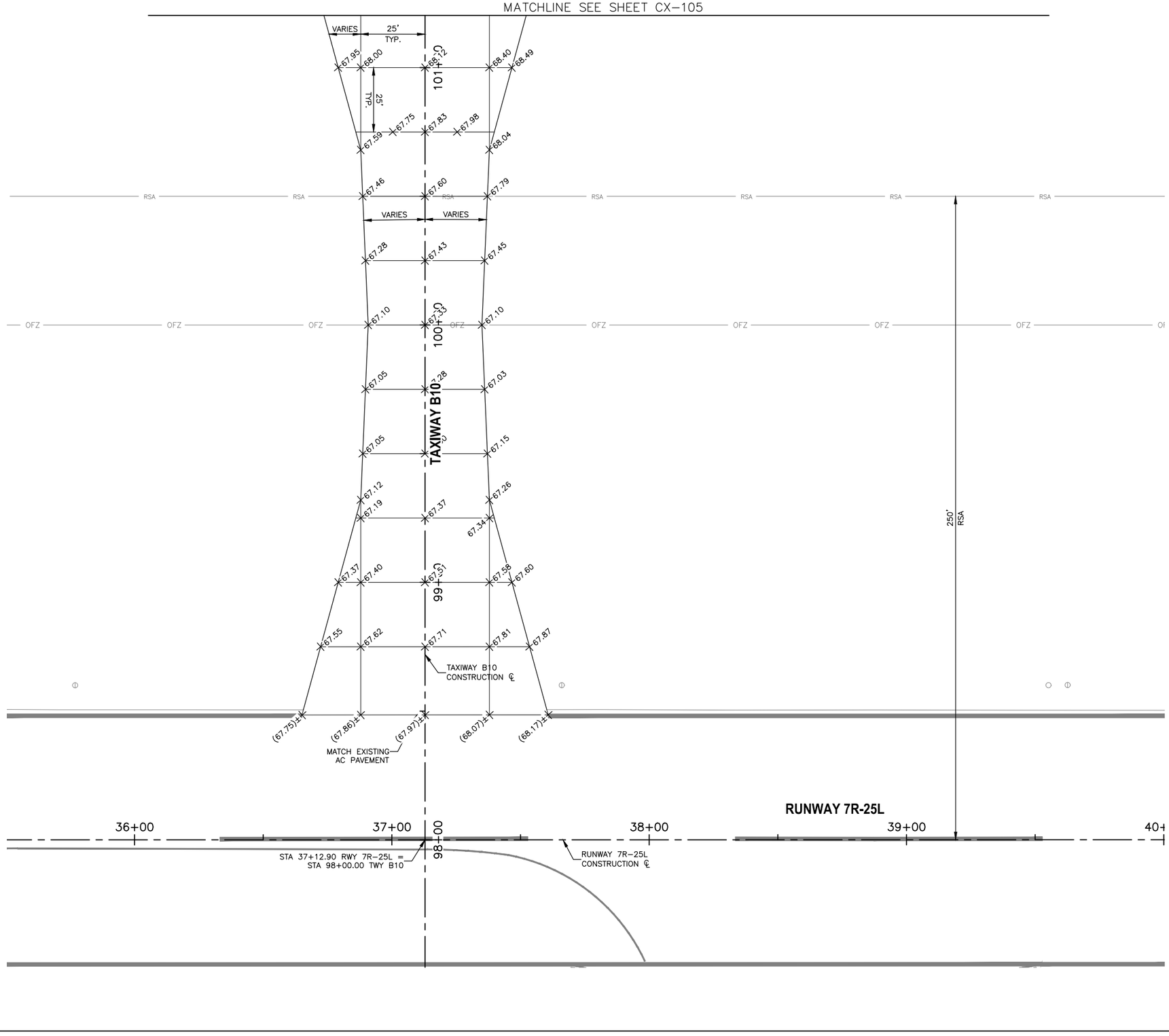
Designed by:	B. SALINE
Drawn by:	T. ROTH
Checked by:	C. JHAVERI
Date:	04/2023
Dwg scale:	AS SHOWN

SHEET OVERVIEW TITLE

PAVEMENT STAKING PLAN

SHEET REFERENCE NUMBER:
CX-107
SHEET 28 OF 107

N:\2019\190801 - DVT TWY B Relocation\Dwg\Dwg\GMP1\ AV31000092-1-CX-107-GMP1.dwg - Apr 07,2023 3:22am



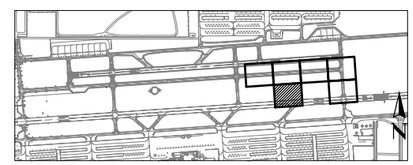
LEGEND

1. ADD 1400 TO ALL ELEVATIONS

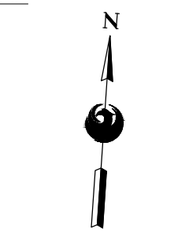
+XX.XX	PROPOSED ELEVATION
+(XX.XX)±	MATCH EXISTING ELEVATION

REFERENCE NOTES

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



KEY MAP



0 20' 40'

SCALE:1"=20'

Contact Arizona 811 at least two full working days before you begin excavation
ARIZONA811
Call 811 or click Arizona811.com

PRIME CONSULTANT
TRACE CONSULTING
1201 E. Jefferson St. | Suite 3 | Phoenix, AZ 85034

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 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

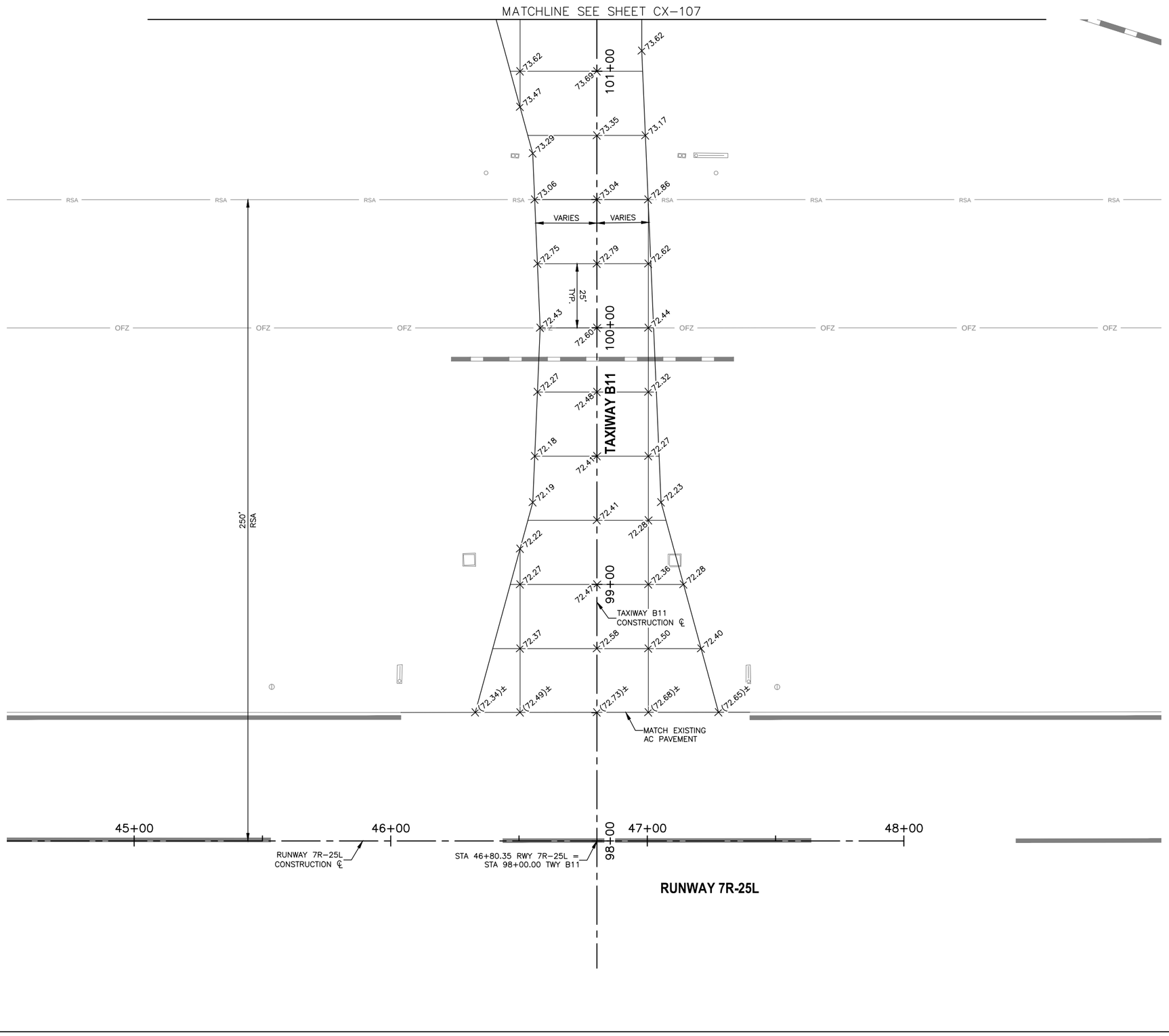
SHEET OVERVIEW TITLE

PAVEMENT STAKING PLAN

SHEET REFERENCE NUMBER:
CX-112

SHEET 29 OF 107

N:\2019\190801 - DVT TWY B Relocation\Dwg\Dwg\GMP1_AV31000092-1-CX-112-GMP1.dwg - Apr 07,2023 3:23pm



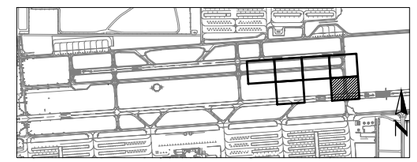
LEGEND

1. ADD 1400 TO ALL ELEVATIONS

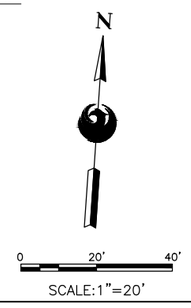
+XX.XX	PROPOSED ELEVATION
+(XX.XX)±	MATCH EXISTING ELEVATION

REFERENCE NOTES

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



KEY MAP



SCALE:1"=20'

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NO	REVISIONS / SUBMISSIONS	DATE

PHX SKY HARBOR
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

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

SHEET OVERVIEW TITLE

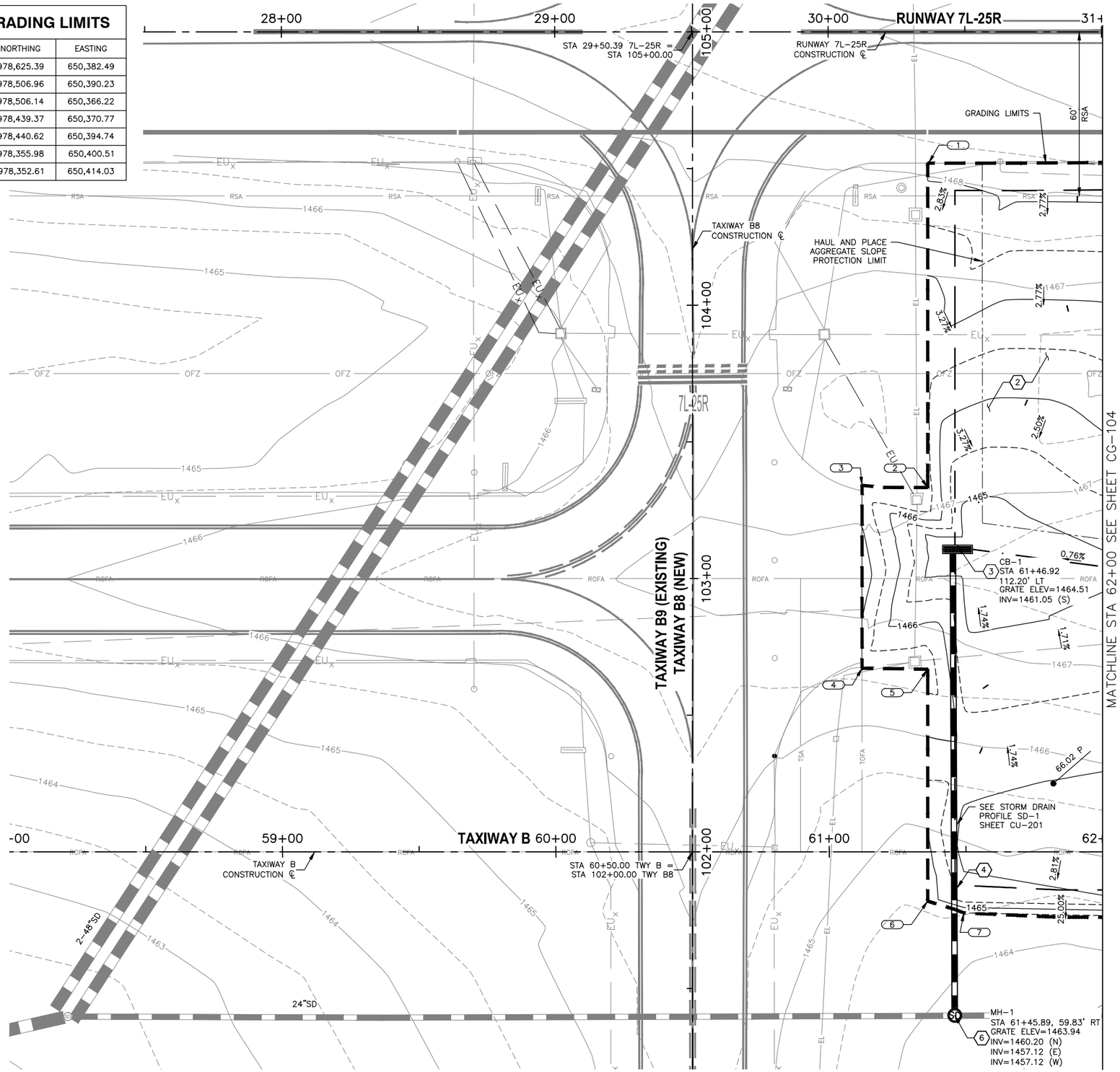
PAVEMENT STAKING PLAN

SHEET REFERENCE NUMBER:
CX-114
SHEET 30 OF 107

N:\2019\190801 - PVT TWY B Relocation\Dwg\Dwg\GMP1\ AV31000092-1-CX-114-GMP1.dwg - Apr 07,2023 3:24pm

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

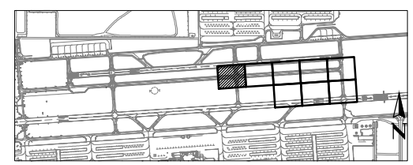


CONSTRUCTION NOTES

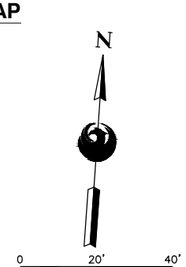
1. CONSTRUCT NEW AC TAXIWAY PAVEMENT, SEE TYPICAL SECTION SHEET CS-301
2. HAUL AND PLACE 4" DEPTH AGGREGATE SLOPE PROTECTION (SP-38)
3. CONSTRUCT NEW AIRFIELD CONCRETE CATCH BASIN (TRIPLE GRATE) PER COP STD DTL P1570
4. INSTALL NEW 24" RGRCP (CLASS V) PER D-701
5. ADJUST EXISTING STRUCTURE TO GRADE
6.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



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

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ARIZONA 811
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PRIME CONSULTANT: TRACE CONSULTING, 1201 E. Jefferson St. | Suite 3 | Phoenix, AZ 85034
SUB CONSULTANT

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT GYR
CITY OF PHOENIX AVIATION DEPARTMENT

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

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

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

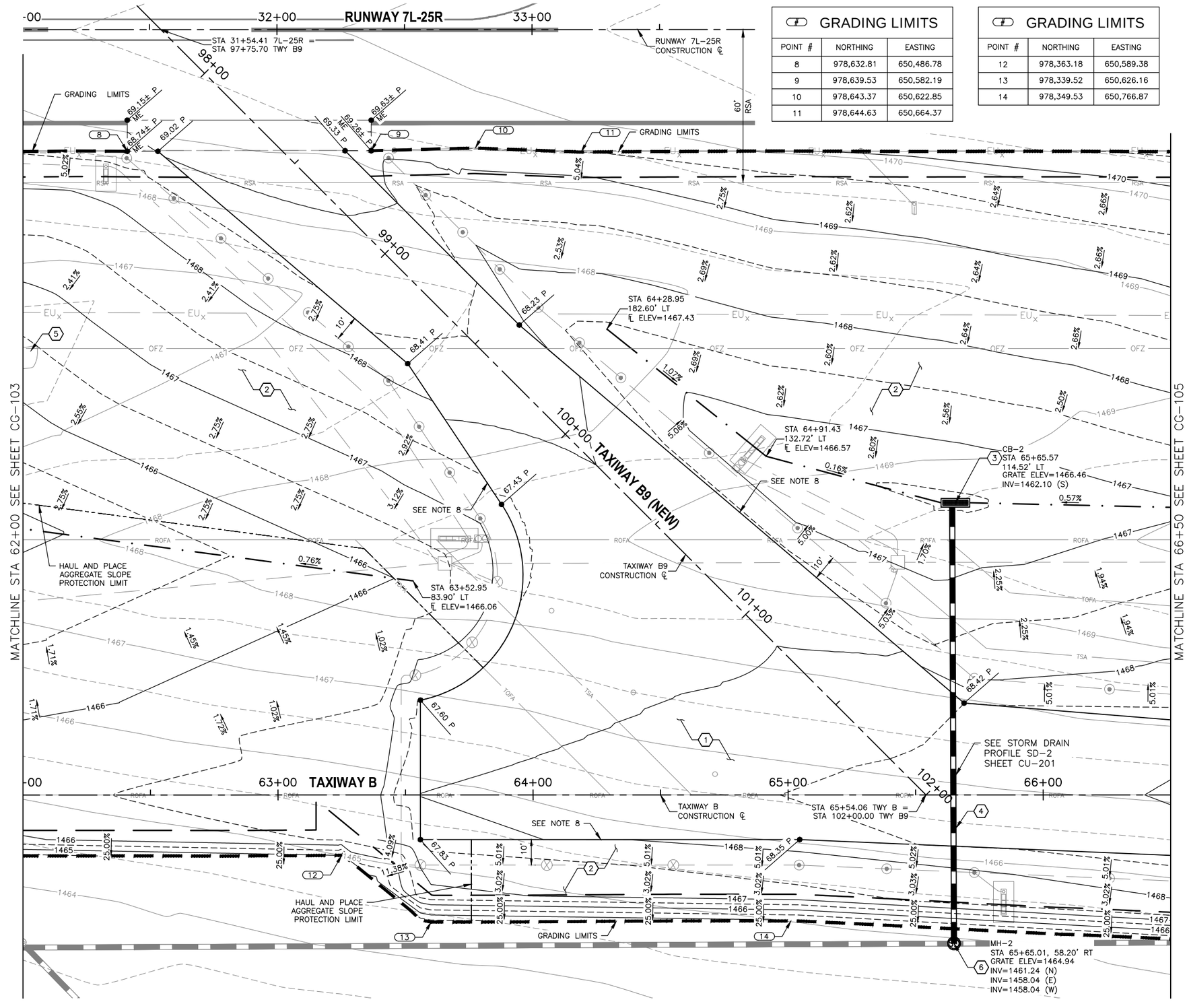
SHEET OVERVIEW TITLE

GRADING & DRAINAGE PLAN

SHEET REFERENCE NUMBER:
CG-103

SHEET 31 OF 107

N:\2019\190801 - DVT TWY B Relocation\Dwg\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

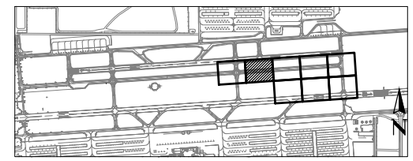
GRADING LIMITS		
POINT #	NORTHING	EASTING
12	978,363.18	650,589.38
13	978,339.52	650,626.16
14	978,349.53	650,766.87

CONSTRUCTION NOTES

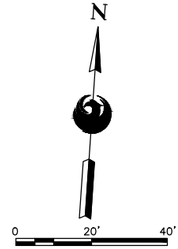
1. CONSTRUCT NEW AC TAXIWAY PAVEMENT, SEE TYPICAL SECTION SHEET CS-301
2. HAUL AND PLACE 4" DEPTH AGGREGATE SLOPE PROTECTION (SP-38)
3. CONSTRUCT NEW AIRFIELD CONCRETE CATCH BASIN (TRIPLE GRATE) PER COP STD DTL P1570
4. INSTALL NEW 24" RGRCP (CLASS V) PER D-701
5. ADJUST EXISTING STRUCTURE TO GRADE
6.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



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

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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

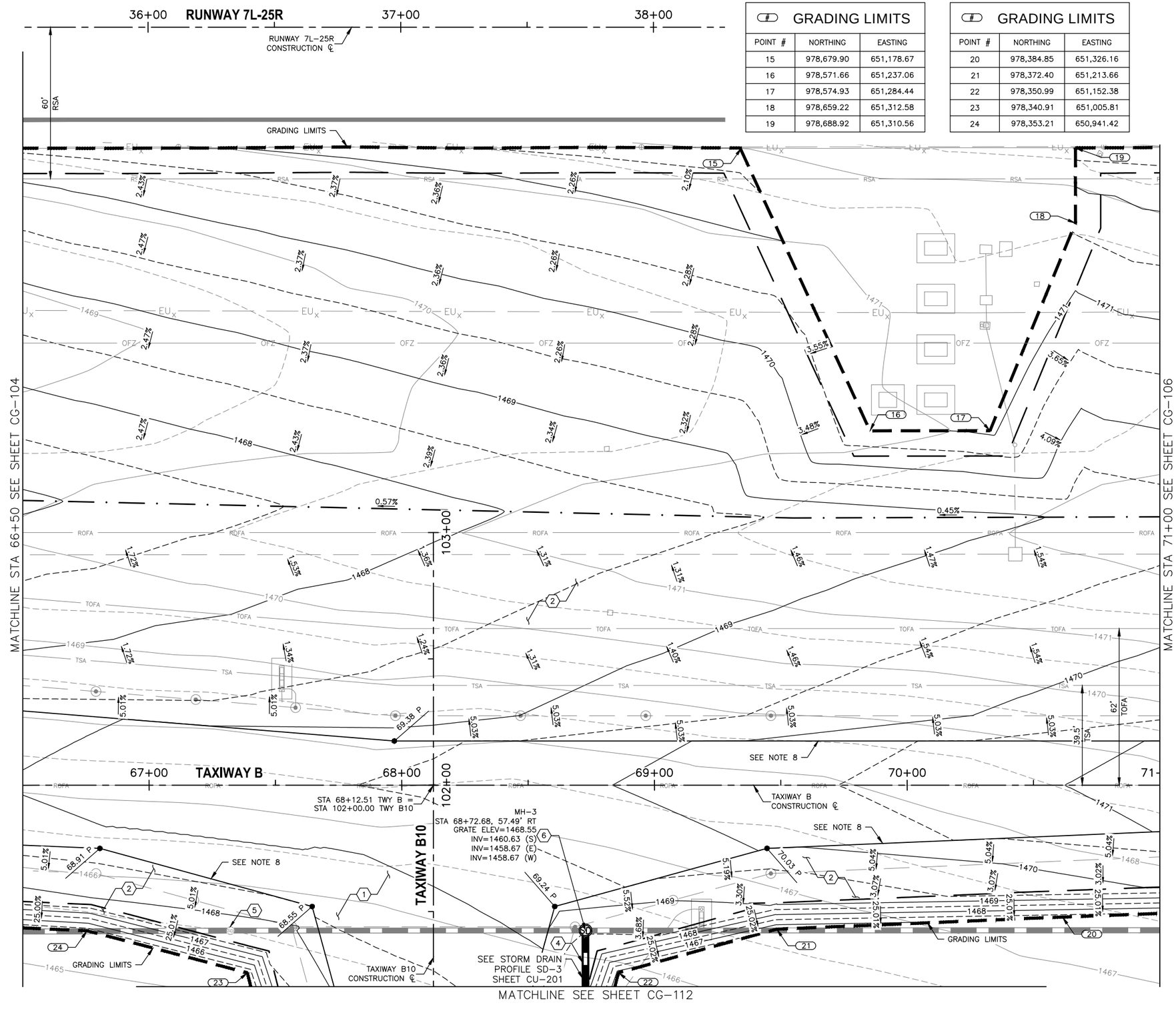
SHEET OVERVIEW TITLE

GRADING & DRAINAGE PLAN

SHEET REFERENCE NUMBER:
CG-104

SHEET 32 OF 107

N:\2019\1908011 - PVT TWY B Relocation\Dwg\GMP1\AV31000092-1_CG-104-GMP1.dwg - Apr 07,2023 3:28pm



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

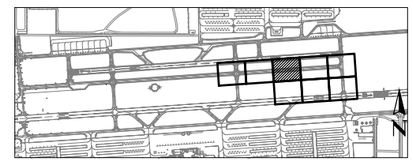
GRADING LIMITS		
POINT #	NORTHING	EASTING
20	978,384.85	651,326.16
21	978,372.40	651,213.66
22	978,350.99	651,152.38
23	978,340.91	651,005.81
24	978,353.21	650,941.42

CONSTRUCTION NOTES

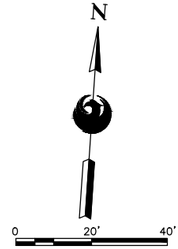
1. CONSTRUCT NEW AC TAXIWAY PAVEMENT, SEE TYPICAL SECTION SHEET CS-301
2. HAUL AND PLACE 4" DEPTH AGGREGATE SLOPE PROTECTION (SP-38)
4. INSTALL NEW 24" RGRCP (CLASS V) PER D-701
5. ADJUST EXISTING STRUCTURE TO GRADE
6. CONSTRUCT NEW STORM DRAIN MANHOLE PER COP STD DTL P1520 AND MAG STD DTL 522

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 ℄ 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



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

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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

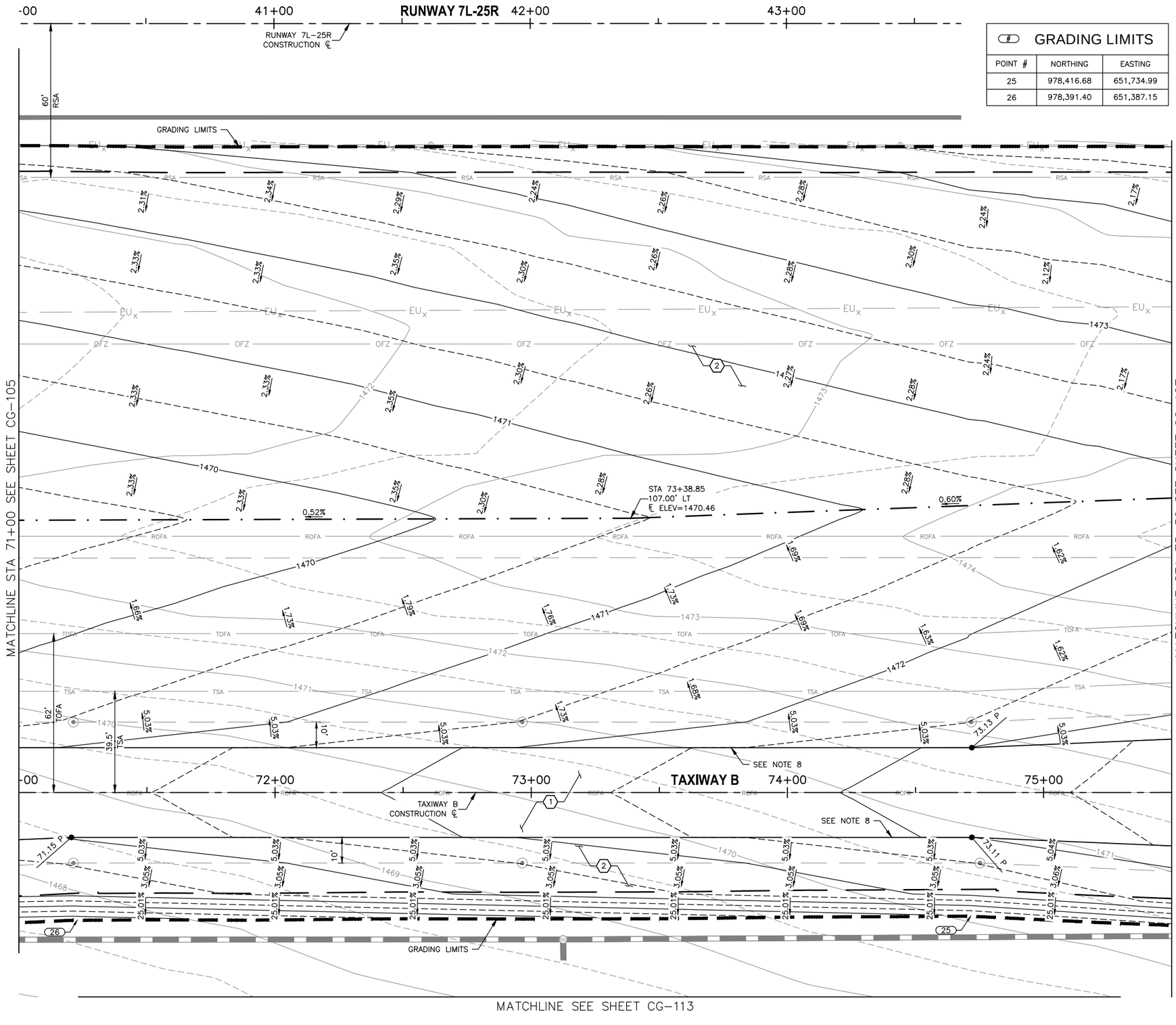
SHEET OVERVIEW TITLE

GRADING & DRAINAGE PLAN

SHEET REFERENCE NUMBER:
CG-105

SHEET 33 OF 107

N:\2019\190801 - DVT TWY B Relocation\Dwg\Dwg\GMP1\AV31000092-1_CG-105-GMP1.dwg - Apr 07,2023 3:31pm



GRADING LIMITS

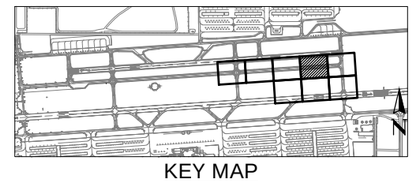
POINT #	NORTHING	EASTING
25	978,416.68	651,734.99
26	978,391.40	651,387.15

CONSTRUCTION NOTES

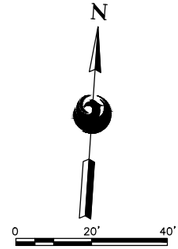
1. CONSTRUCT NEW AC TAXIWAY PAVEMENT, SEE TYPICAL SECTION SHEET CS-301
2. HAUL AND PLACE 4" DEPTH AGGREGATE SLOPE PROTECTION (SP-38)

REFERENCE NOTES

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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
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KEY MAP



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

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT
CITY OF PHOENIX AVIATION DEPARTMENT
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RELOCATE TAXIWAY B AND CONSTRUCT CONNECTORS
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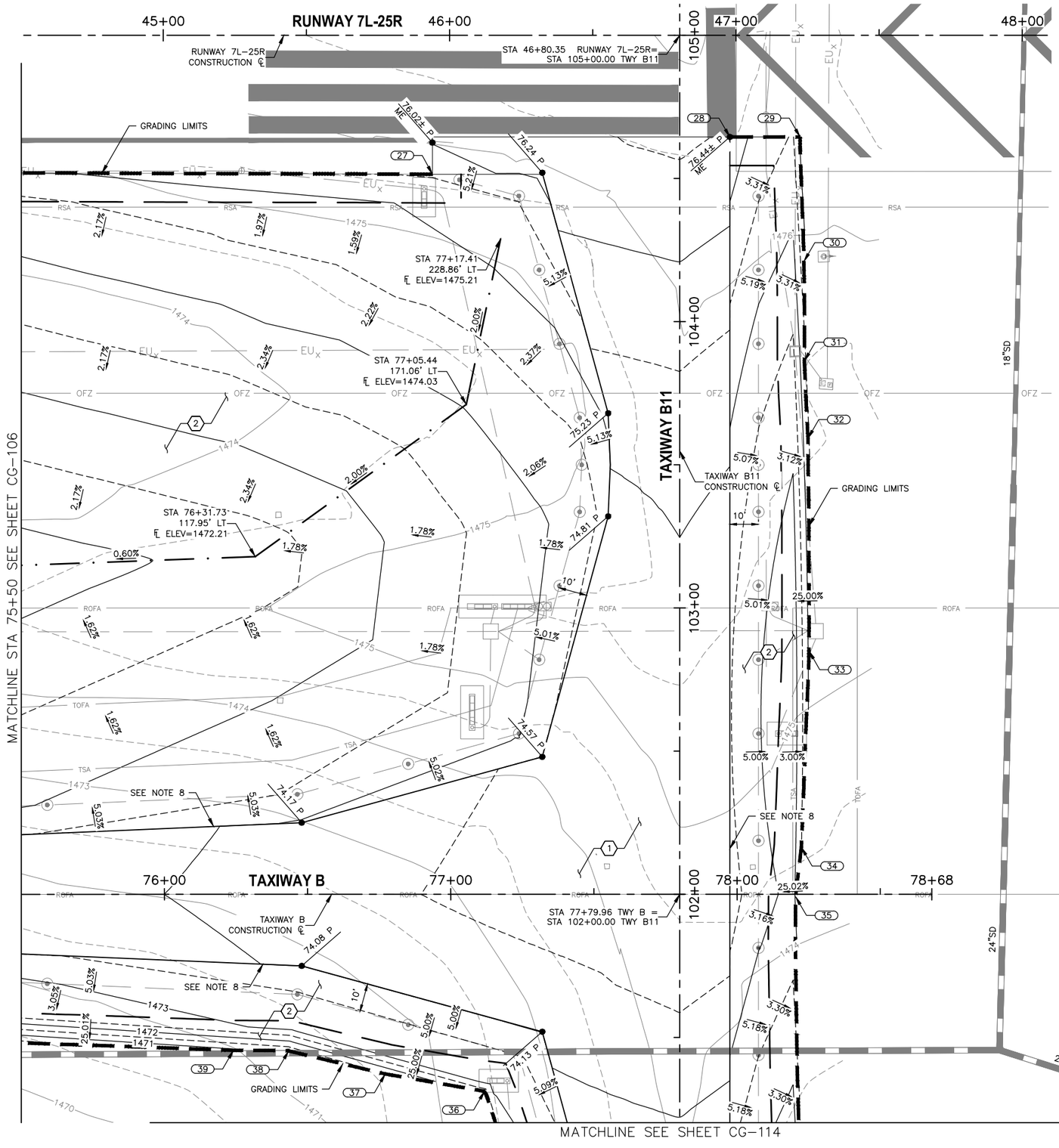
Designed by:	B. SALINE
Drawn by:	T. ROTH
Checked by:	C. JHAVERI
Date:	04/2023
Dwg scale:	AS SHOWN

SHEET OVERVIEW TITLE

GRADING & DRAINAGE PLAN

SHEET REFERENCE NUMBER:
CG-106
SHEET 34 OF 107

N:\2019\190801 - DVT TWY B Relocation\Dwg\Dwg\GMP1\AV31000092-1_CG-106-GMP1.dwg - Apr 07,2023 3:33pm



GRADING LIMITS

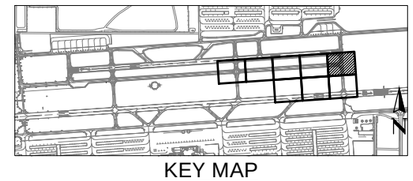
POINT #	NORTHING	EASTING
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28	978,750.88	652,038.90
29	978,752.55	652,063.39
30	978,709.24	652,067.67
31	978,674.58	652,070.21
32	978,647.74	652,073.29
33	978,573.67	652,078.66
34	978,505.09	652,080.67
35	978,487.74	652,079.86
36	978,412.56	651,976.09
37	978,416.22	651,941.10
38	978,421.98	651,906.88
39	978,420.85	651,887.63

CONSTRUCTION NOTES

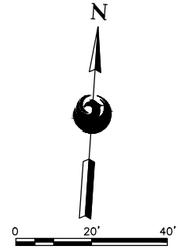
1. CONSTRUCT NEW AC TAXIWAY PAVEMENT, SEE TYPICAL SECTION SHEET CS-301
2. HAUL AND PLACE 4" DEPTH AGGREGATE SLOPE PROTECTION (SP-38)

REFERENCE NOTES

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9. EXISTING STRUCTURES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED



KEY MAP



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

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SUB CONSULTANT

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PRELIMINARY NOT FOR CONSTRUCTION

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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

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

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

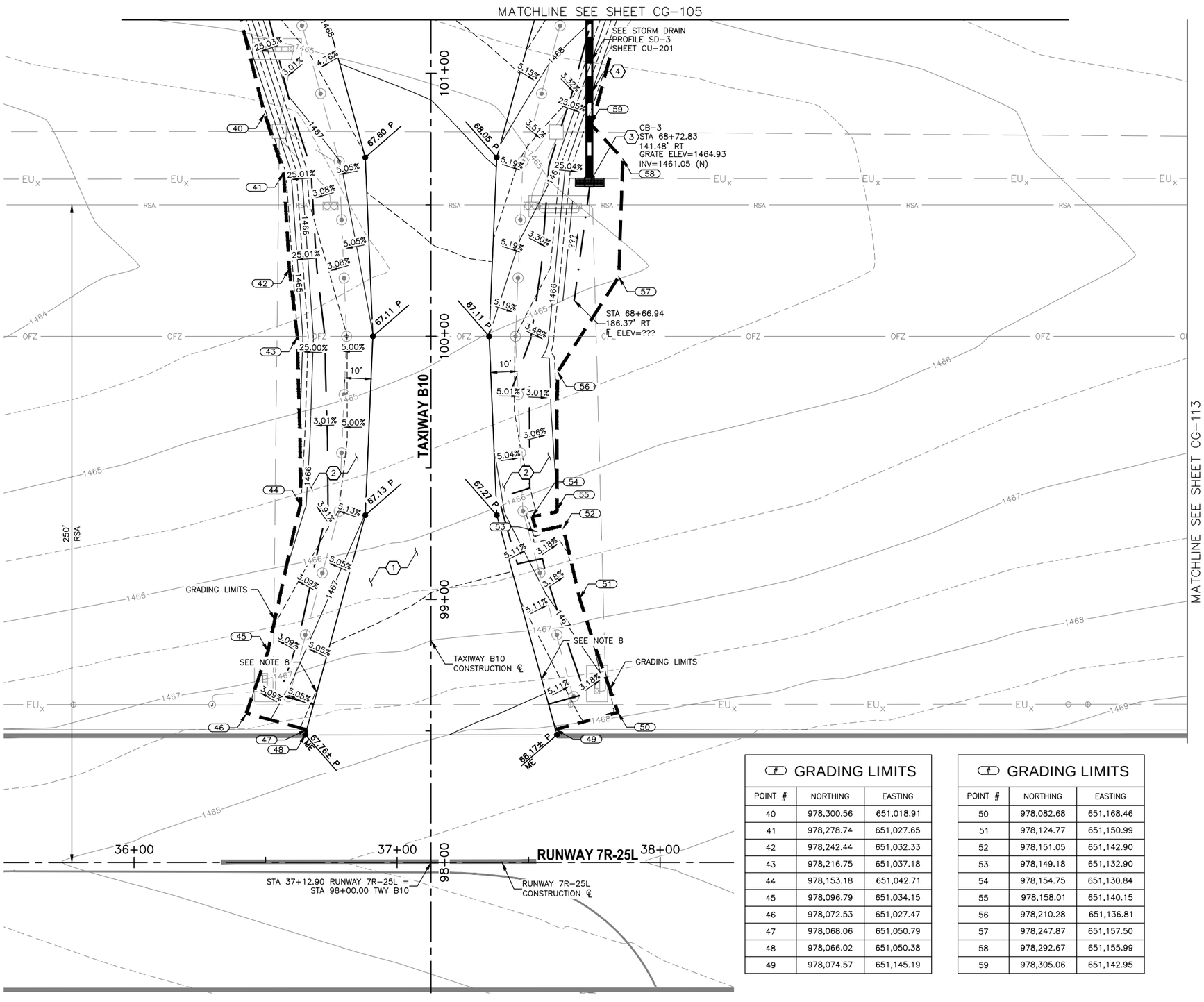
SHEET OVERVIEW TITLE

GRADING & DRAINAGE PLAN

SHEET REFERENCE NUMBER:
CG-107

SHEET 35 OF 107

N:\2019\190801 - DVT TWY B Relocation\Dwg\Dwg\GMP1\ AV31000092-1-CG-107-GMP1.dwg - Apr 07,2023 3:35pm



GRADING LIMITS

POINT #	NORTHING	EASTING
40	978,300.56	651,018.91
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

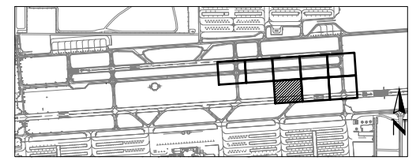
POINT #	NORTHING	EASTING
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51	978,124.77	651,150.99
52	978,151.05	651,142.90
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54	978,154.75	651,130.84
55	978,158.01	651,140.15
56	978,210.28	651,136.81
57	978,247.87	651,157.50
58	978,292.67	651,155.99
59	978,305.06	651,142.95

CONSTRUCTION NOTES

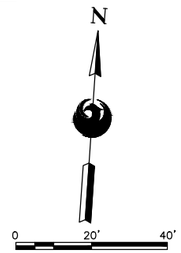
1. CONSTRUCT NEW AC TAXIWAY PAVEMENT, SEE TYPICAL SECTION SHEET CS-301
2. HAUL AND PLACE 4" DEPTH AGGREGATE SLOPE PROTECTION (SP-38)
3. CONSTRUCT NEW AIRFIELD CONCRETE CATCH BASIN (TRIPLE GRATE) PER COP STD DTL P1570
4. INSTALL NEW 24" RGRCP (CLASS V) PER D-701

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



KEY MAP



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

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PRIME CONSULTANT: TRACE CONSULTING, 1201 E. Jefferson St. | Suite 3 | Phoenix, AZ 85034

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT
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

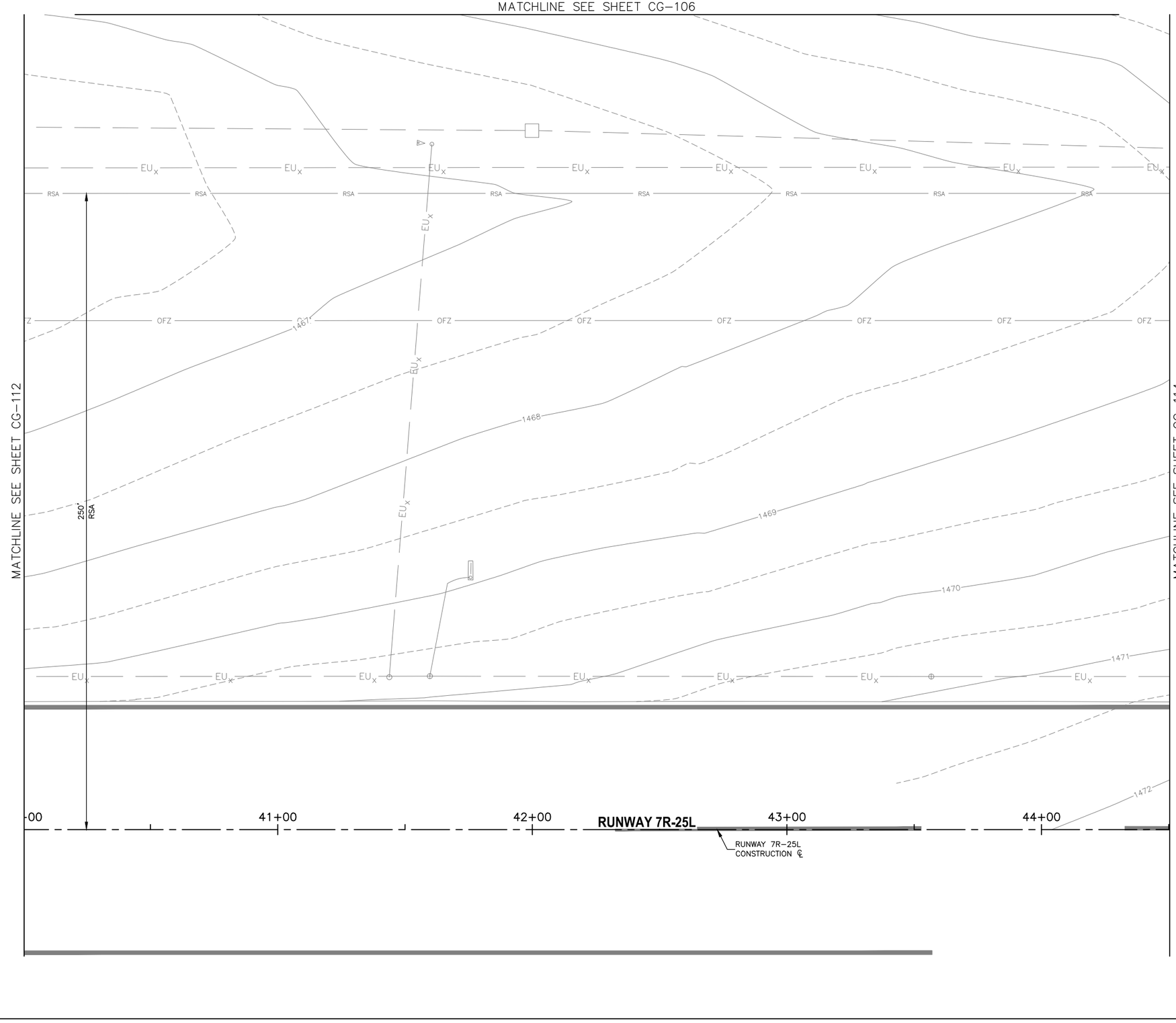
AIP NO.:3-04-0028-045-2023

SHEET OVERVIEW TITLE

GRADING & DRAINAGE PLAN

SHEET REFERENCE NUMBER:
CG-112
SHEET 36 OF 107

N:\2019\190801 - DVT TWY B Relocation\Dwg\Dwg\GMP1\ AV31000092-1-CG-112-GMP1.dwg - Apr 07,2023 3:38pm

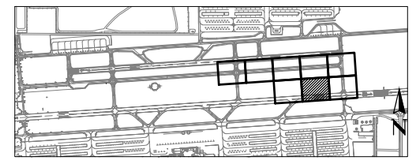


CONSTRUCTION NOTES

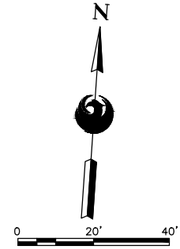
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REFERENCE NOTES

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



KEY MAP



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

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT
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

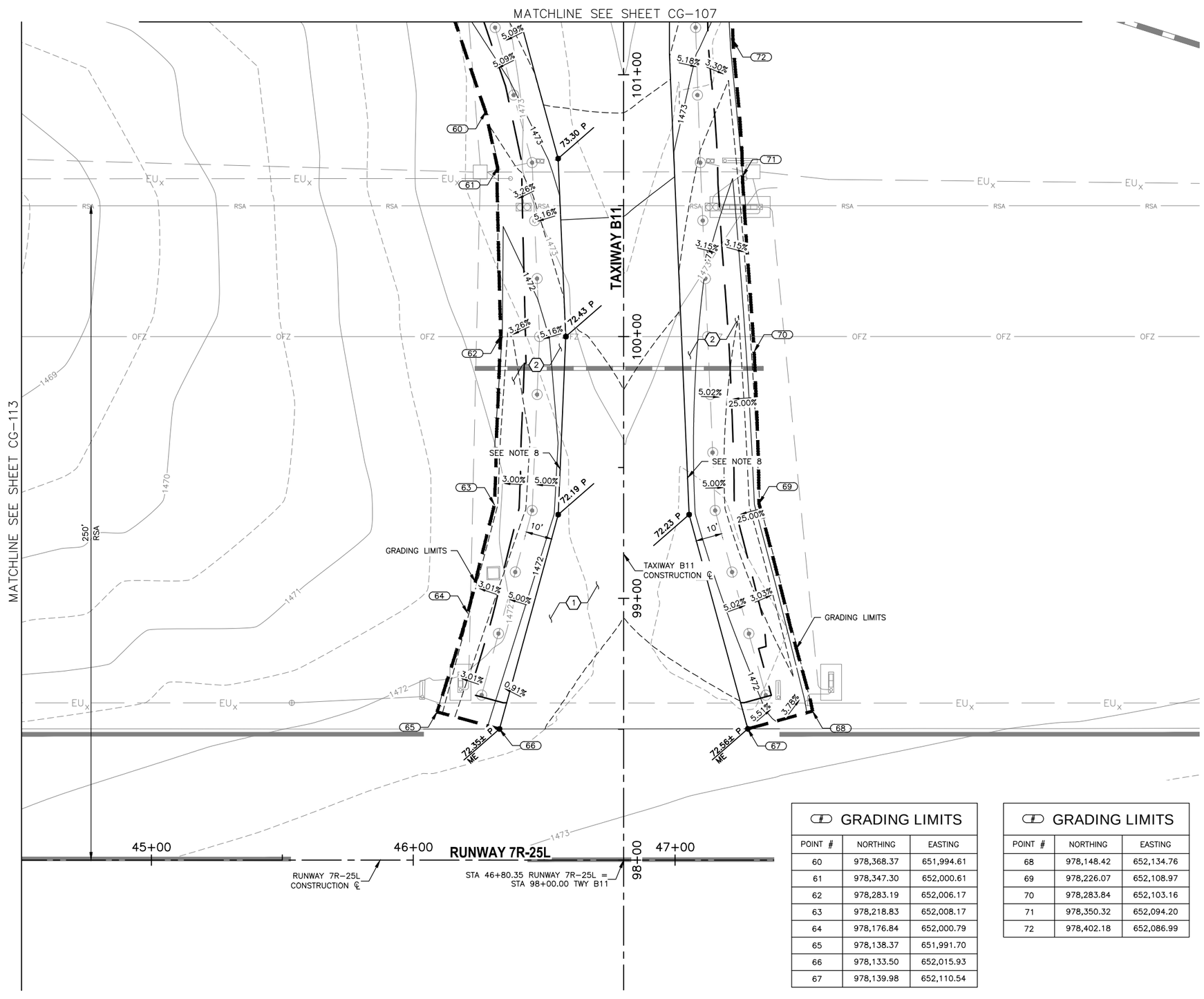
Designed by: B. SALINE
Drawn by: T. ROTH
Checked by: C. JHAVERI
Date: 04/2023
Dwg scale: AS SHOWN

SHEET OVERVIEW TITLE

GRADING & DRAINAGE PLAN

SHEET REFERENCE NUMBER:
CG-113
SHEET 37 OF 107

N:\2019\1908801 - DVT TWY B Relocation\Dwg\Dwg\GMP1\AV31000092-1_CG-113_GMP1.dwg - Apr 07,2023 3:40pm



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

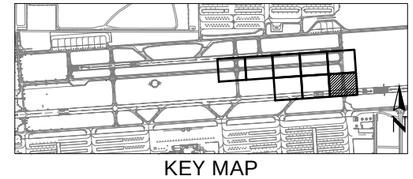
1. SEE SHEETS CD-103 THROUGH CD-114 FOR DEMOLITION PLAN
2. SEE SHEET CS-301 FOR TYPICAL SECTIONS AND PAVEMENT STRUCTURAL SECTIONS
3. SEE SHEETS CS-104 THROUGH CS-114 FOR THE GEOMETRIC LAYOUT PLAN FOR TAXIWAY CONNECTOR GEOMETRY
4. SEE SHEETS CX-104 THROUGH CX-114 THE PAVEMENT STAKING PLAN
5. ADD 1400 TO ALL SPOT ELEVATIONS SHOWN IN PLAN VIEW
6. STATIONING IS BASED ON TWY B CONSTRUCTION ℄ 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

℄ GRADING LIMITS

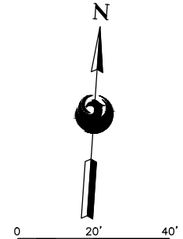
POINT #	NORTHING	EASTING
60	978,368.37	651,994.61
61	978,347.30	652,000.61
62	978,283.19	652,006.17
63	978,218.83	652,008.17
64	978,176.84	652,000.79
65	978,138.37	651,991.70
66	978,133.50	652,015.93
67	978,139.98	652,110.54

℄ 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



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

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT GYR
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

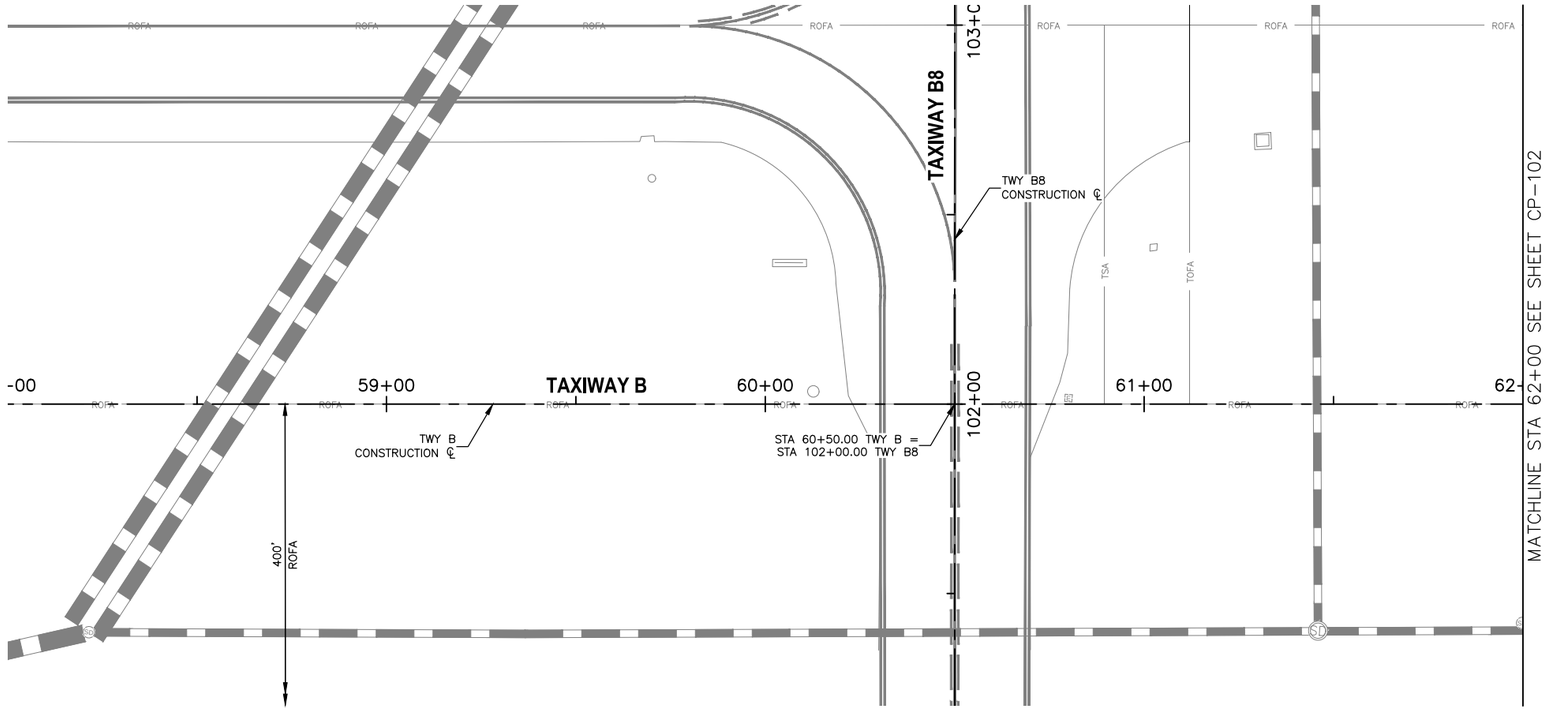
Designed by: B. SALINE
Drawn by: T. ROTH
Checked by: C. JHAVERI
Date: 04/2023
Dwg scale: AS SHOWN

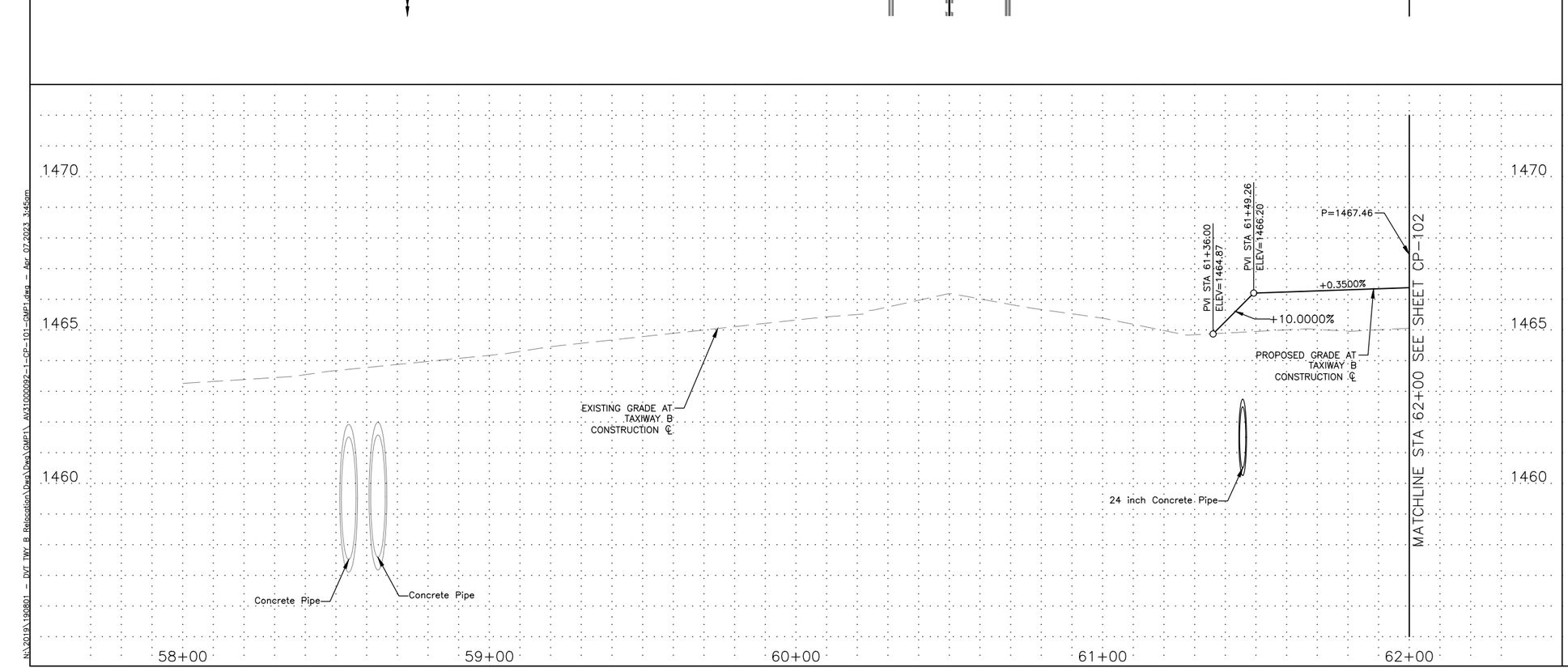
SHEET OVERVIEW TITLE
GRADING & DRAINAGE PLAN

SHEET REFERENCE NUMBER:
CG-114

SHEET 38 OF 107

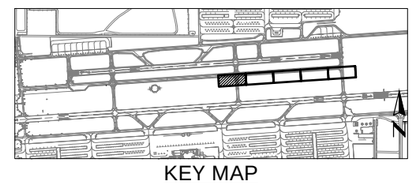
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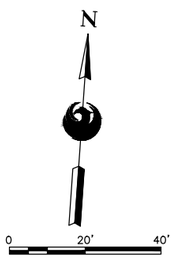


REFERENCE NOTES

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



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 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

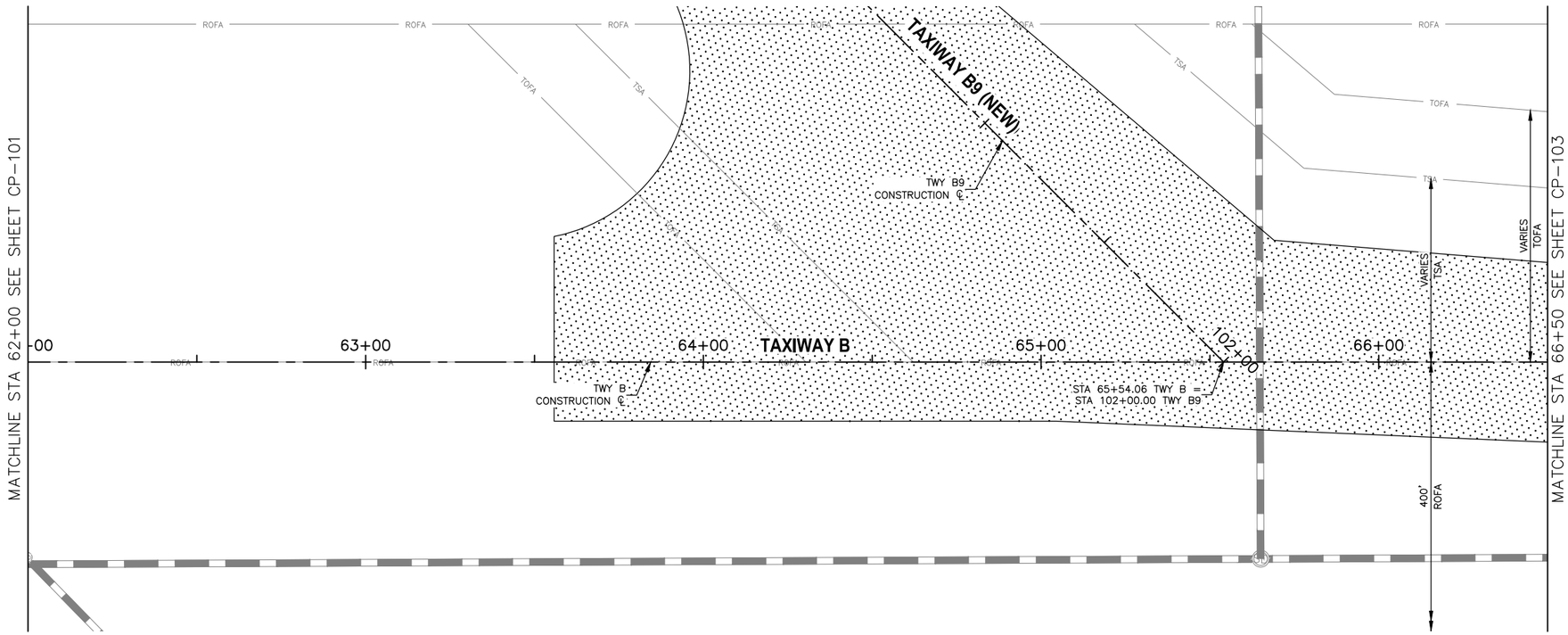
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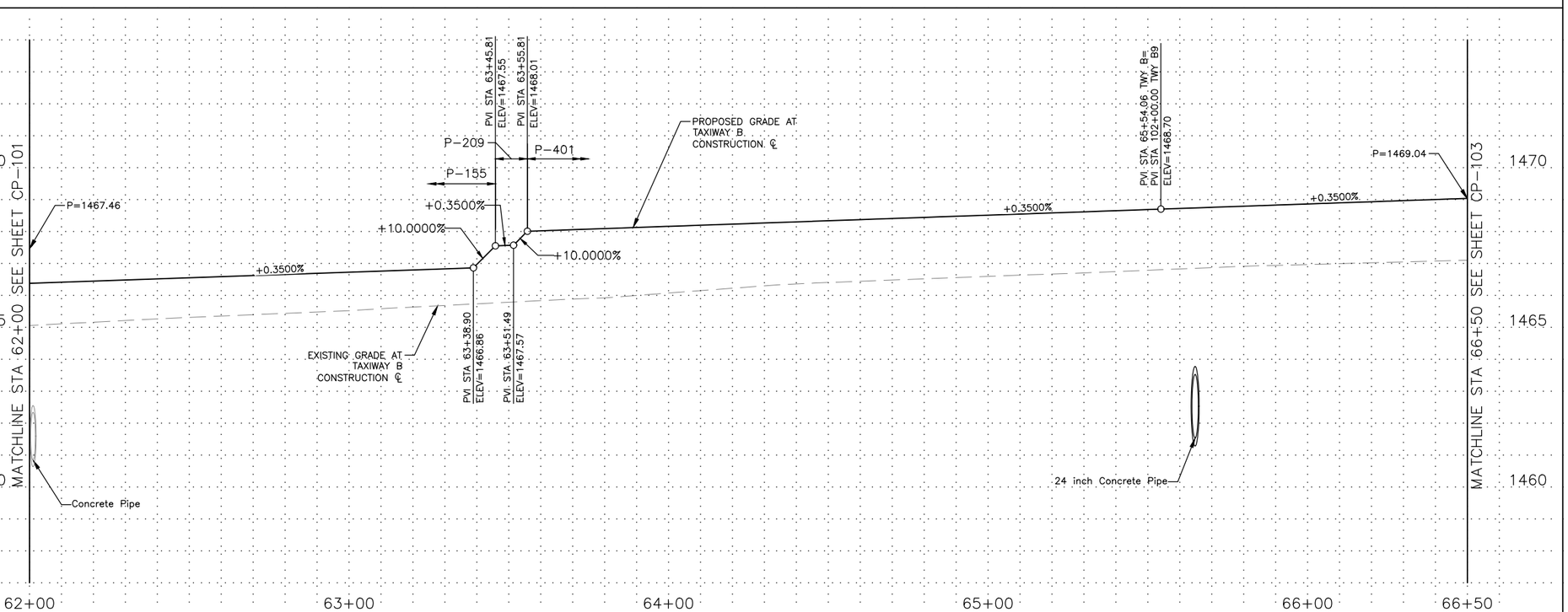
TAXIWAY B
PLAN & PROFILE
STA 58+00 TO STA 62+00

SHEET REFERENCE NUMBER:
CP-101

SHEET 39 OF 107

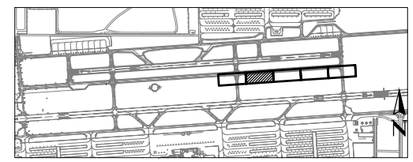
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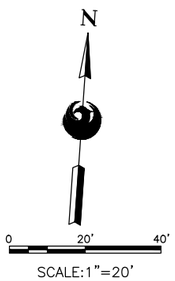


REFERENCE NOTES

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



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 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

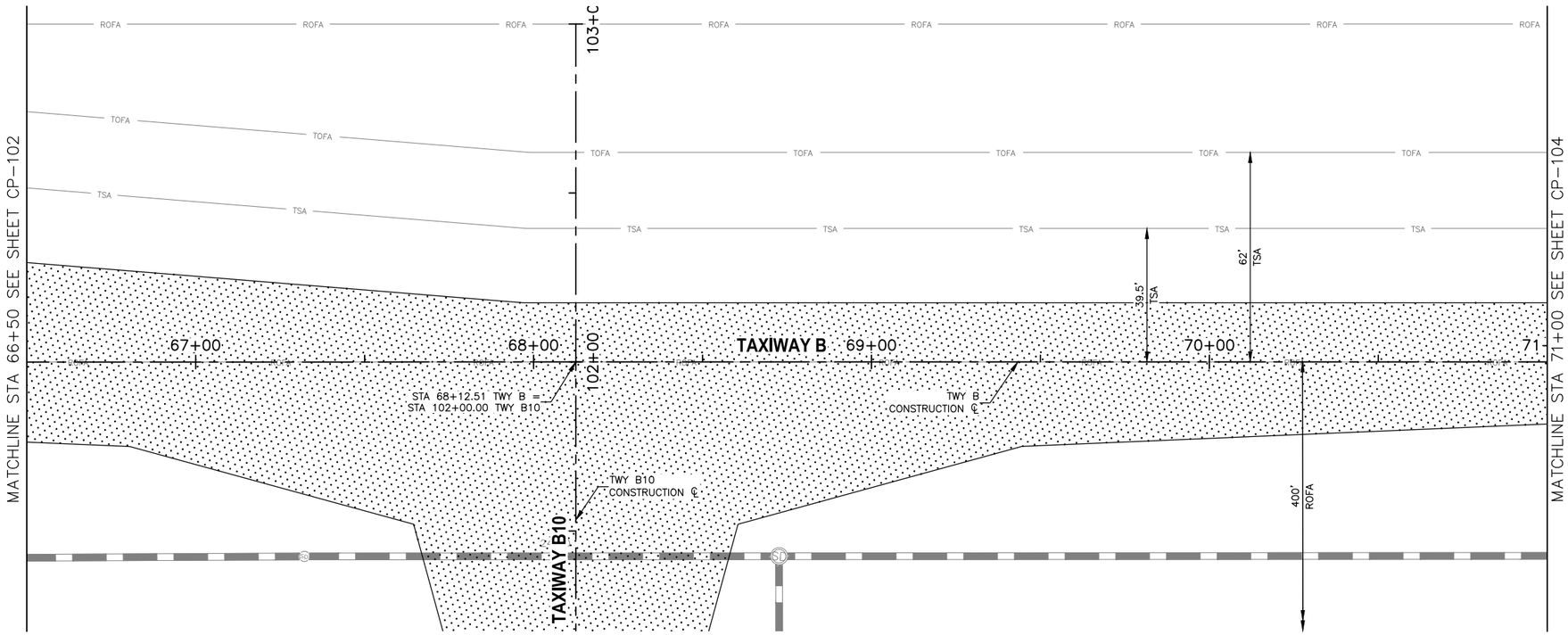
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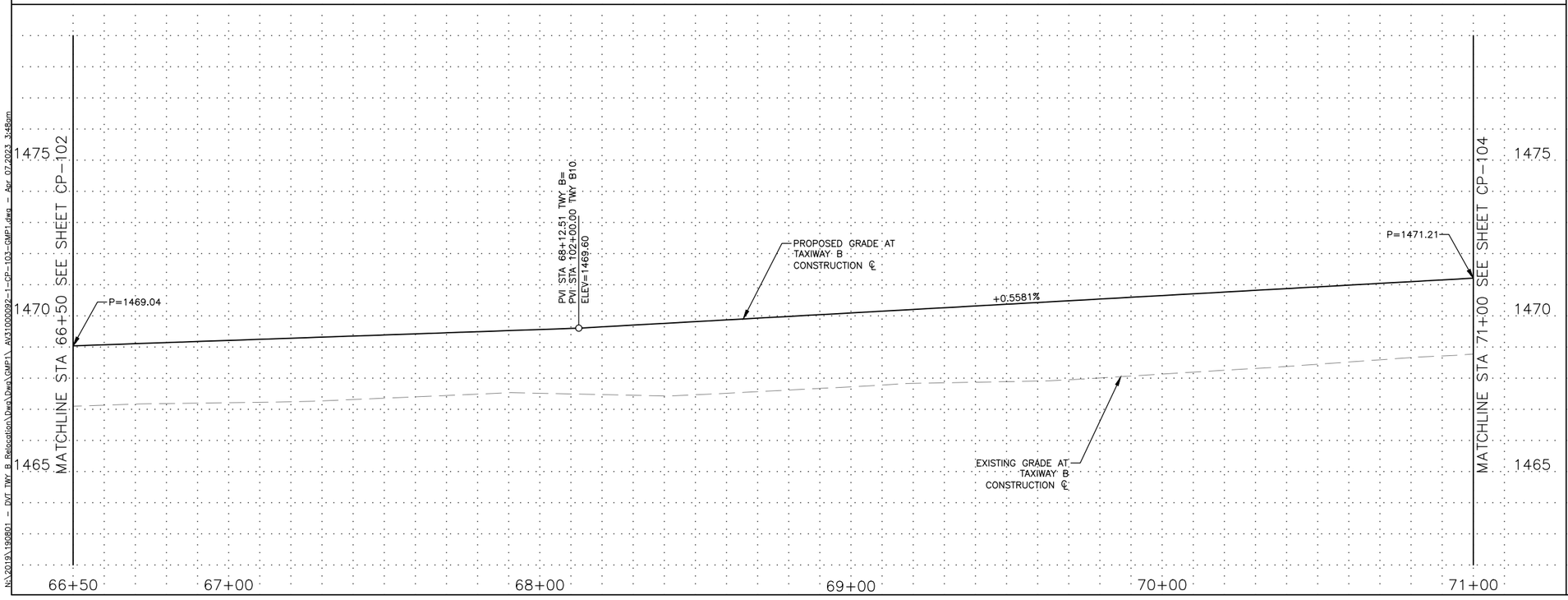
TAXIWAY B
PLAN & PROFILE
STA 62+00 TO STA 66+50

SHEET REFERENCE NUMBER:
CP-102

SHEET 40 OF 107

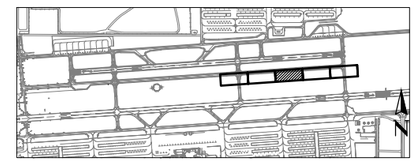
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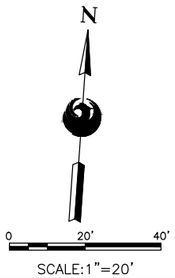


REFERENCE NOTES

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



KEY MAP



SCALE:1"=20'

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NO	REVISIONS / SUBMISSIONS	DATE

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DEER VALLEY AIRPORT
RELOCATE TAXIWAY B AND
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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

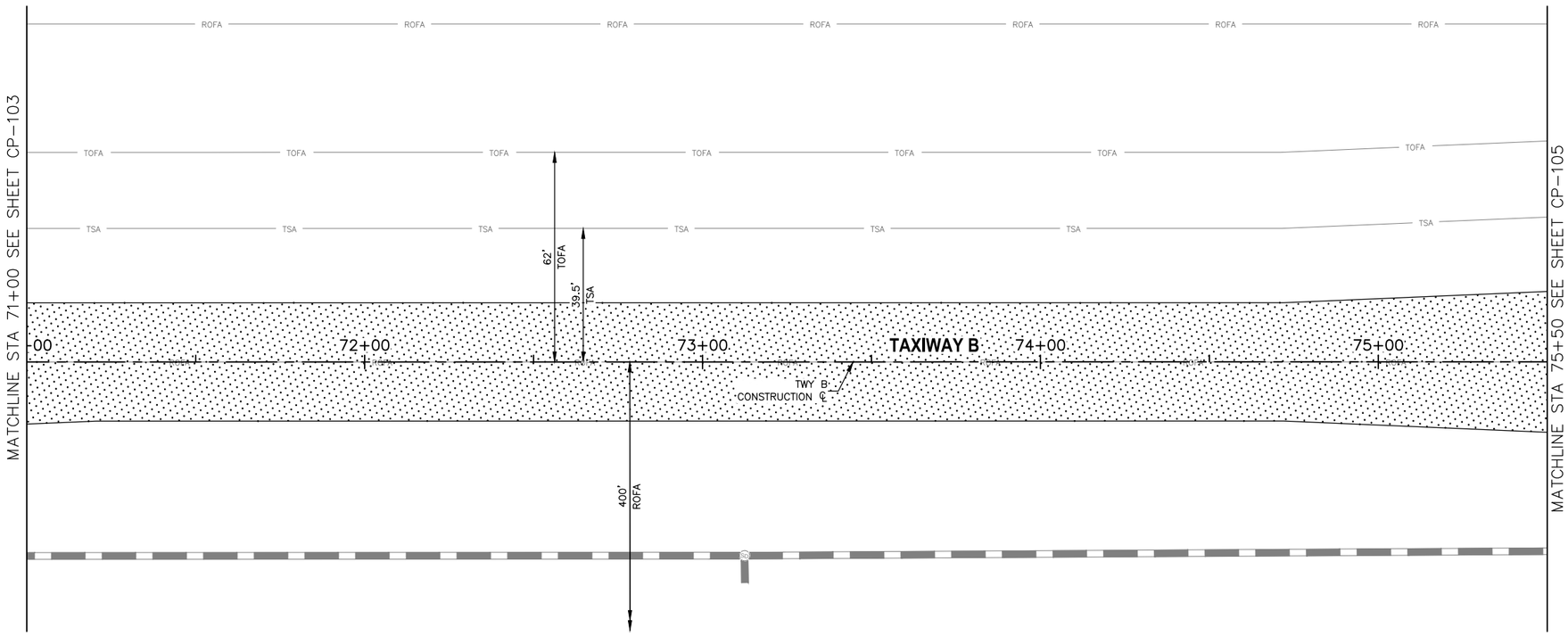
SHEET OVERVIEW TITLE

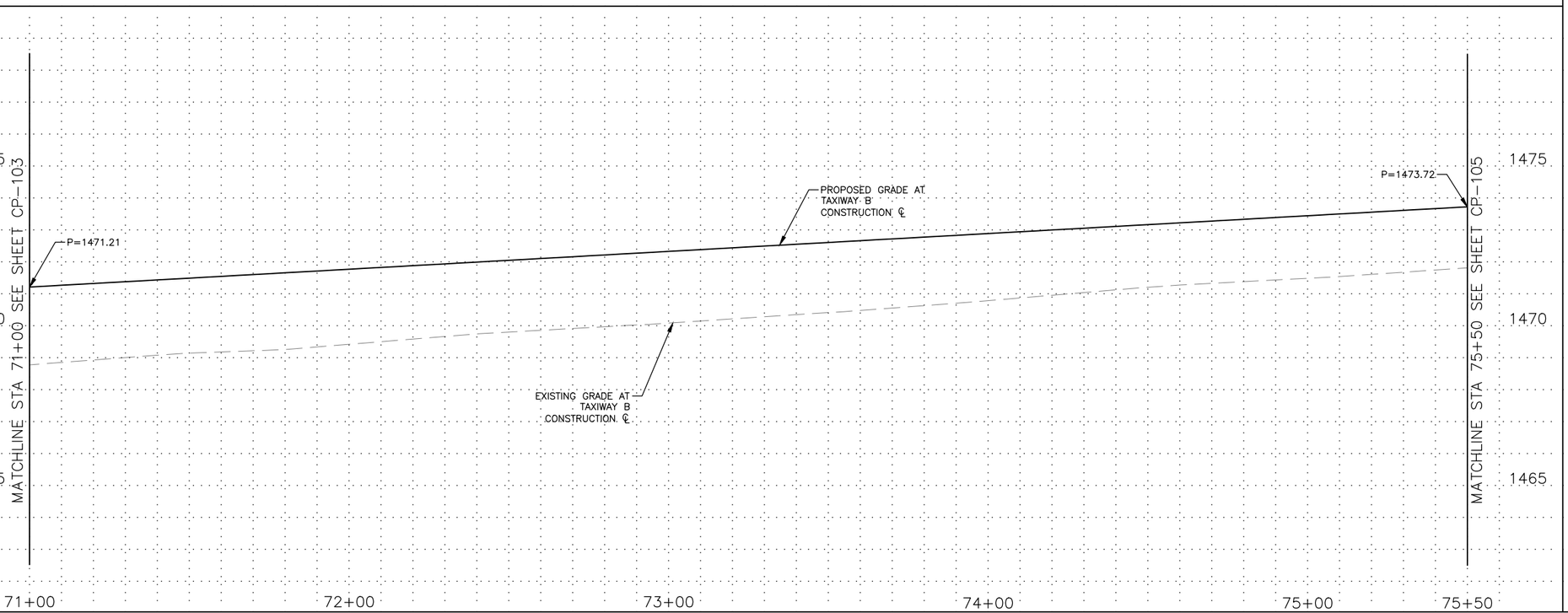
TAXIWAY B
PLAN & PROFILE
STA 66+50 TO STA 71+00

SHEET REFERENCE NUMBER:
CP-103

SHEET 41 OF 107

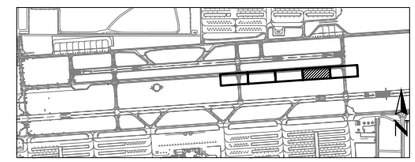
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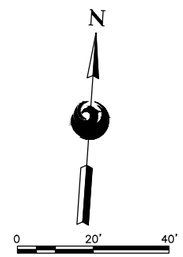


REFERENCE NOTES

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



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 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

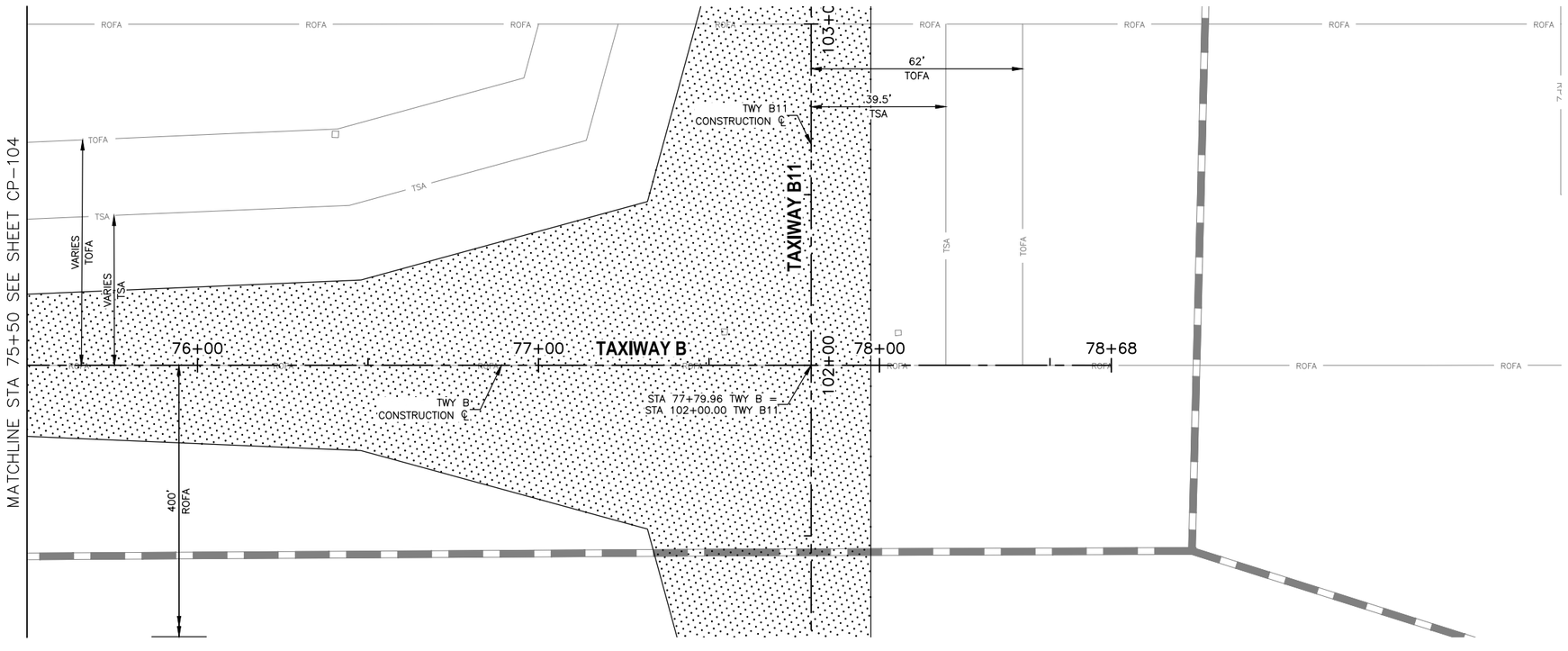
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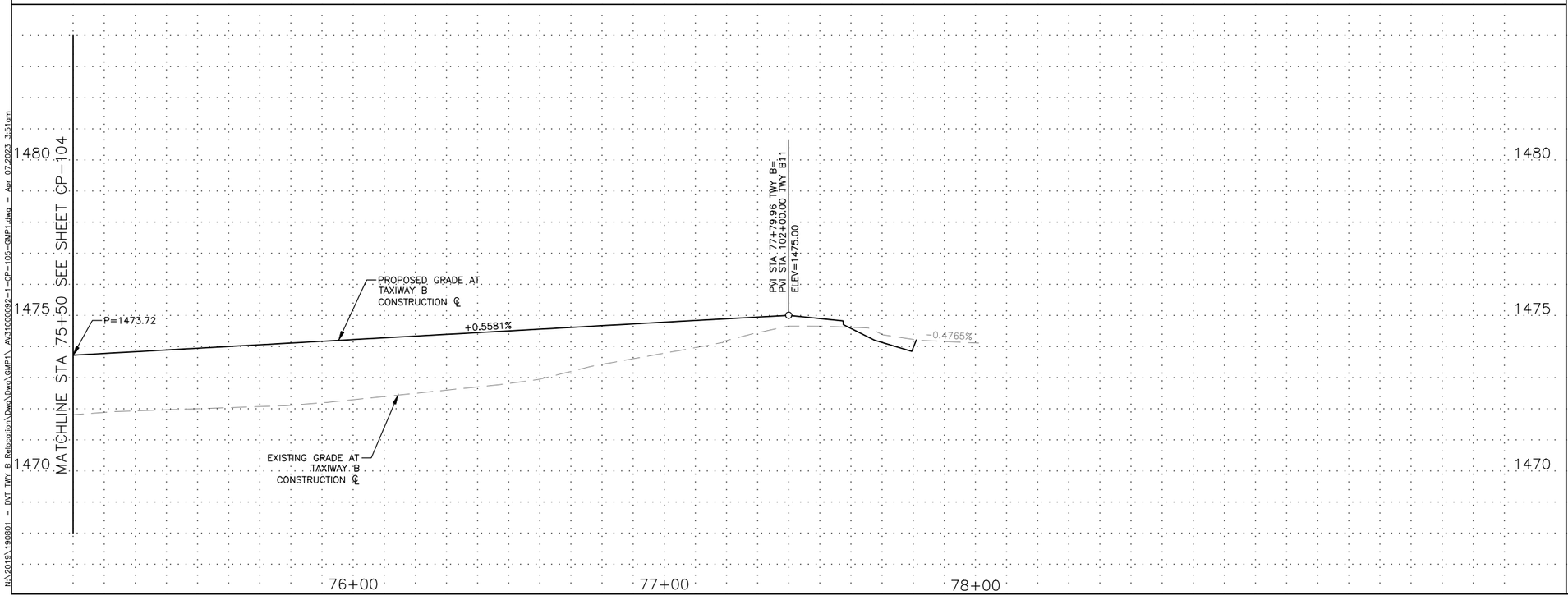
TAXIWAY B
PLAN & PROFILE
STA 71+00 TO STA 75+50

SHEET REFERENCE NUMBER:
CP-104

SHEET 42 OF 107

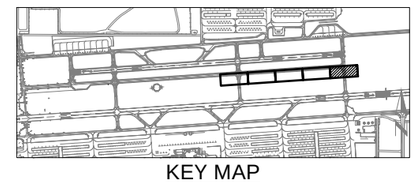
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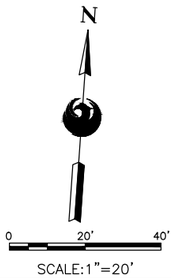


REFERENCE NOTES

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



KEY MAP



SCALE:1"=20'

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NO	REVISIONS / SUBMISSIONS	DATE

PHX SKY HARBOR
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

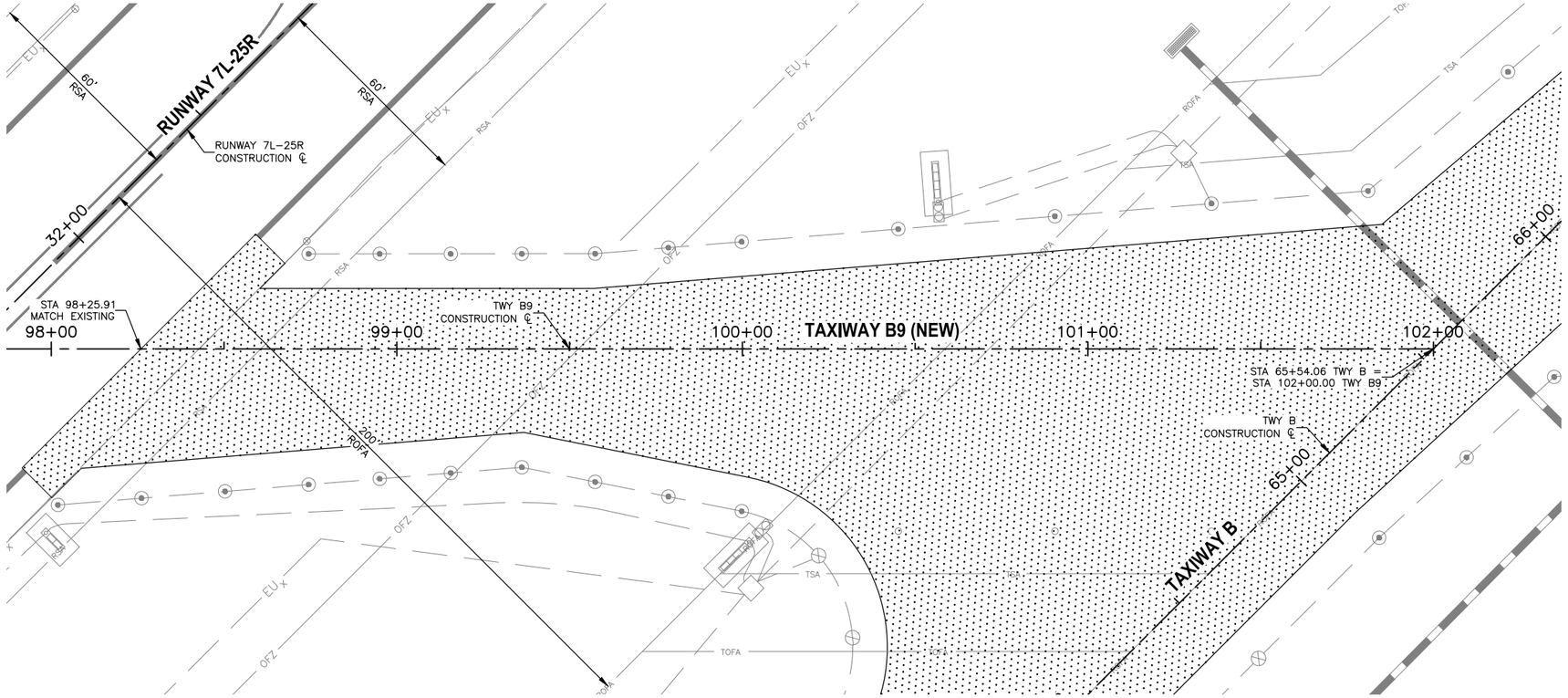
SHEET OVERVIEW TITLE

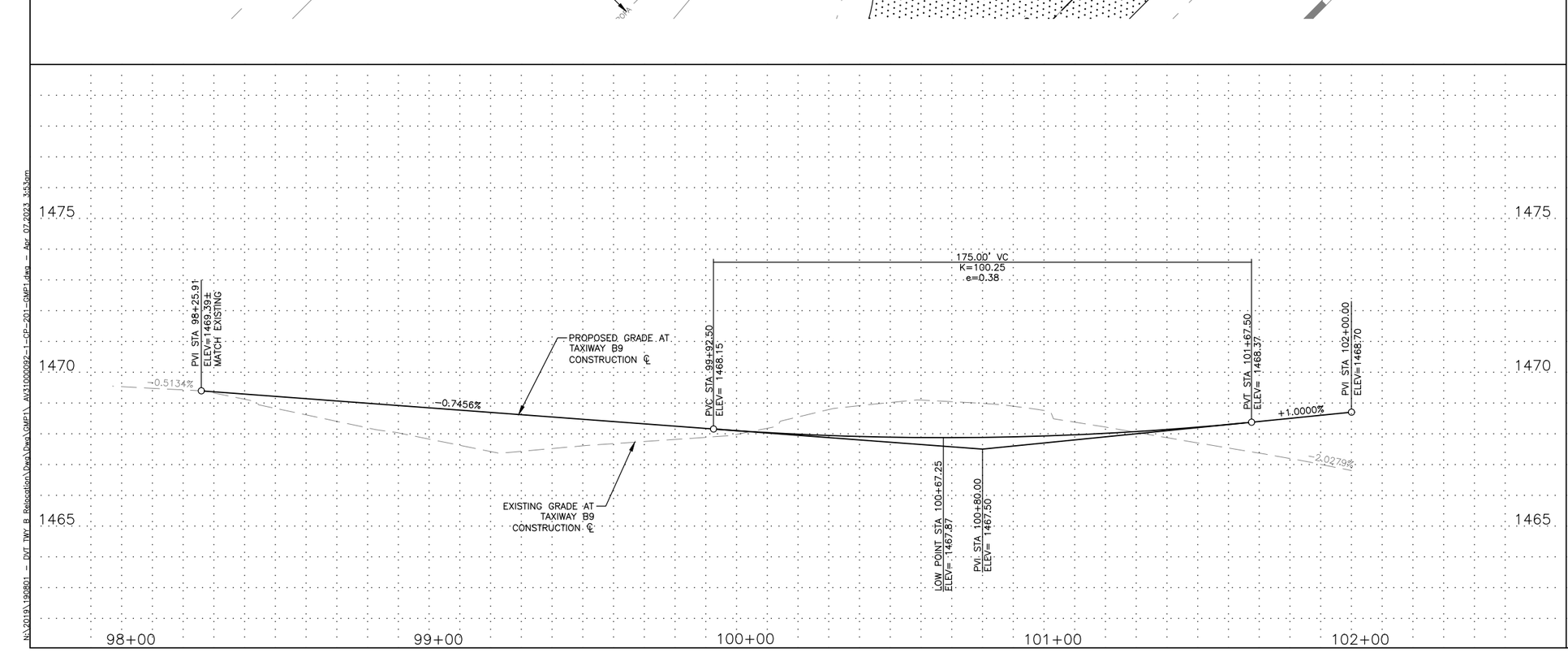
TAXIWAY B
PLAN & PROFILE
STA 75+50 TO STA 77+80

SHEET REFERENCE NUMBER:
CP-105

SHEET 43 OF 107

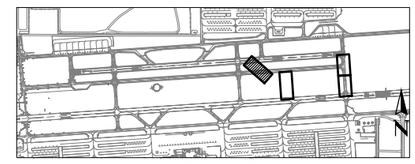
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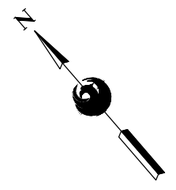


REFERENCE NOTES

1. SEE SHEET CS–XXX FOR GEOMETRIC LAYOUT PLAN
2. SEE SHEET CG–XXX FOR GRADING AND DRAINAGE PLAN



KEY MAP



SCALE:1"=20'

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT
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

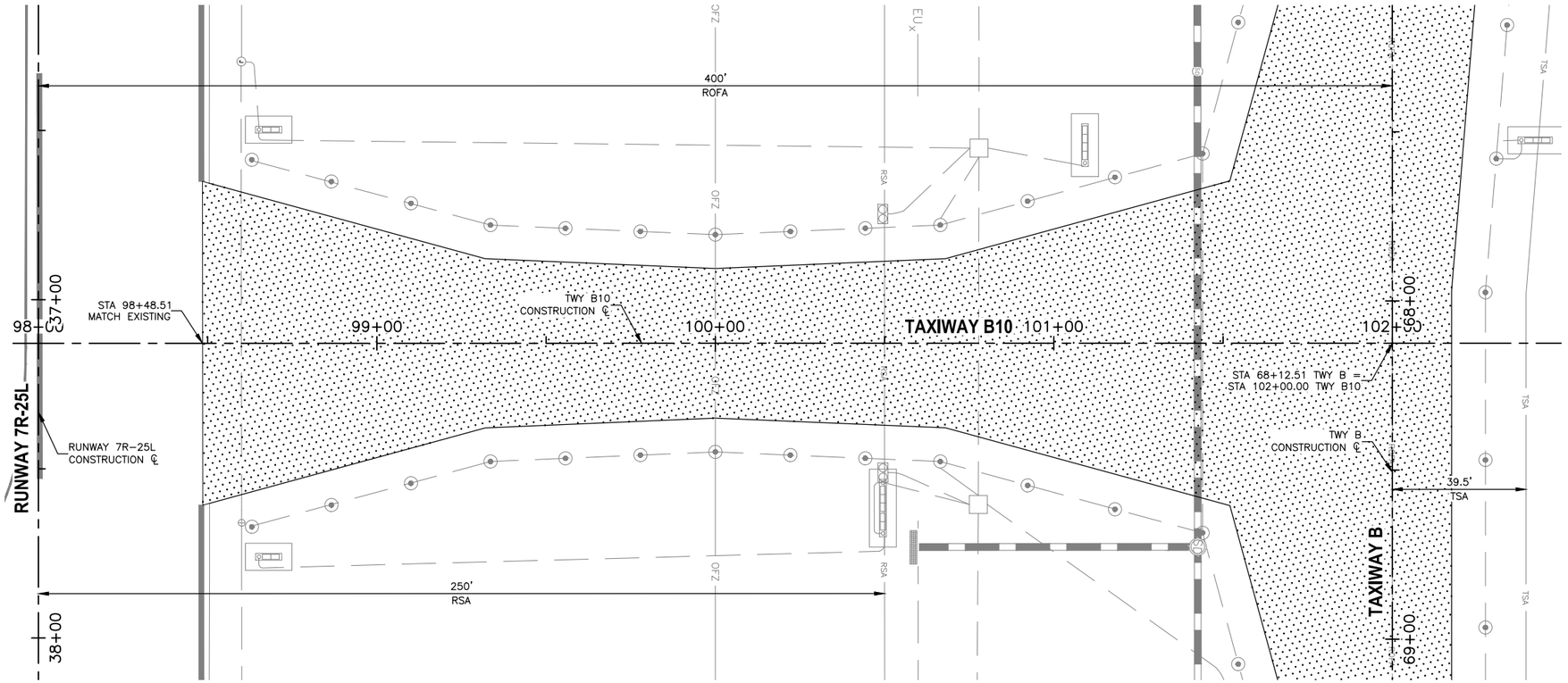
AIP NO.3–04–0028–045–2023

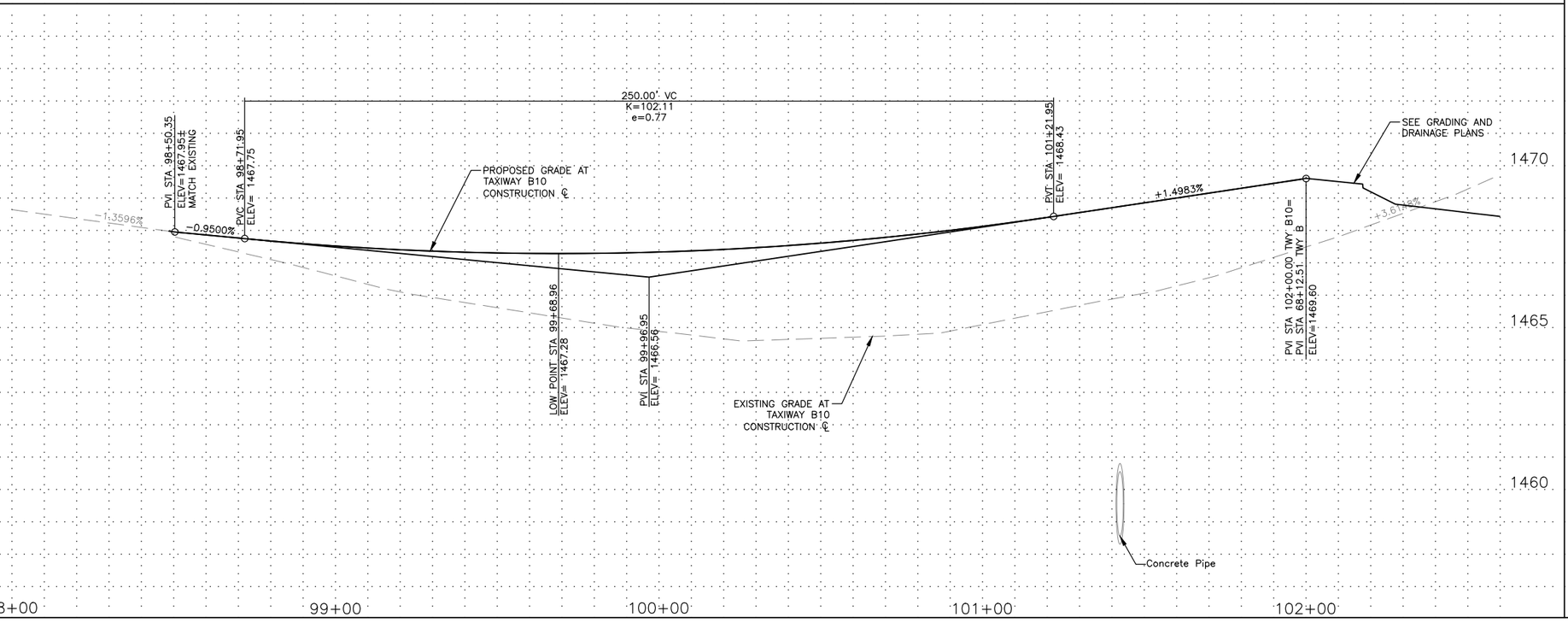
SHEET OVERVIEW TITLE

CONNECTOR TAXIWAY B9 PLAN & PROFILE

SHEET REFERENCE NUMBER:
CP-201

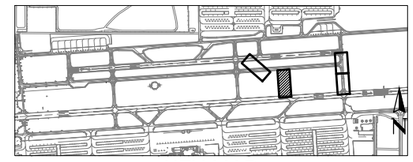
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REFERENCE NOTES

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



KEY MAP

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N

0 20' 40'

SCALE:1"=20'

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT
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

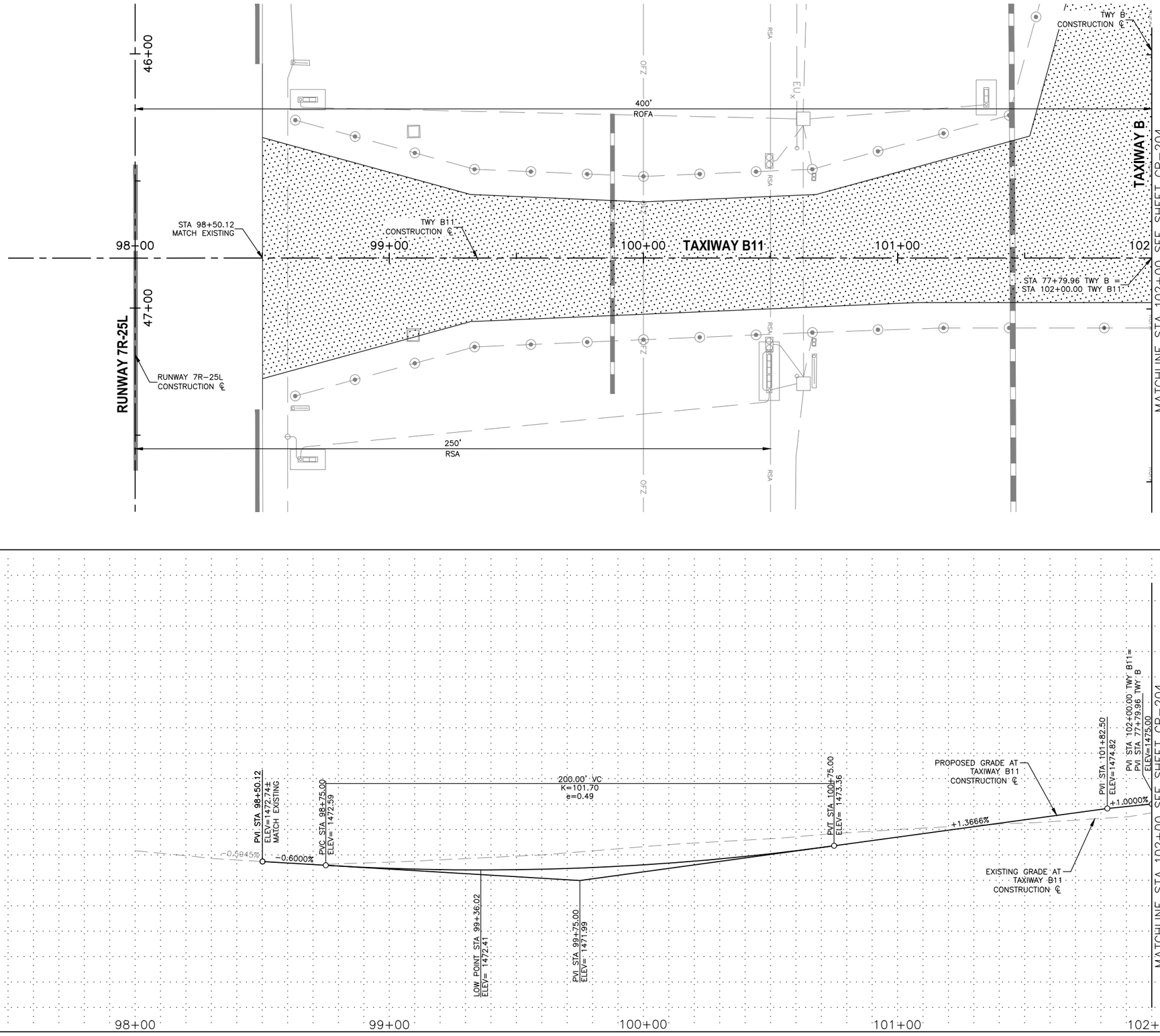
SHEET OVERVIEW TITLE

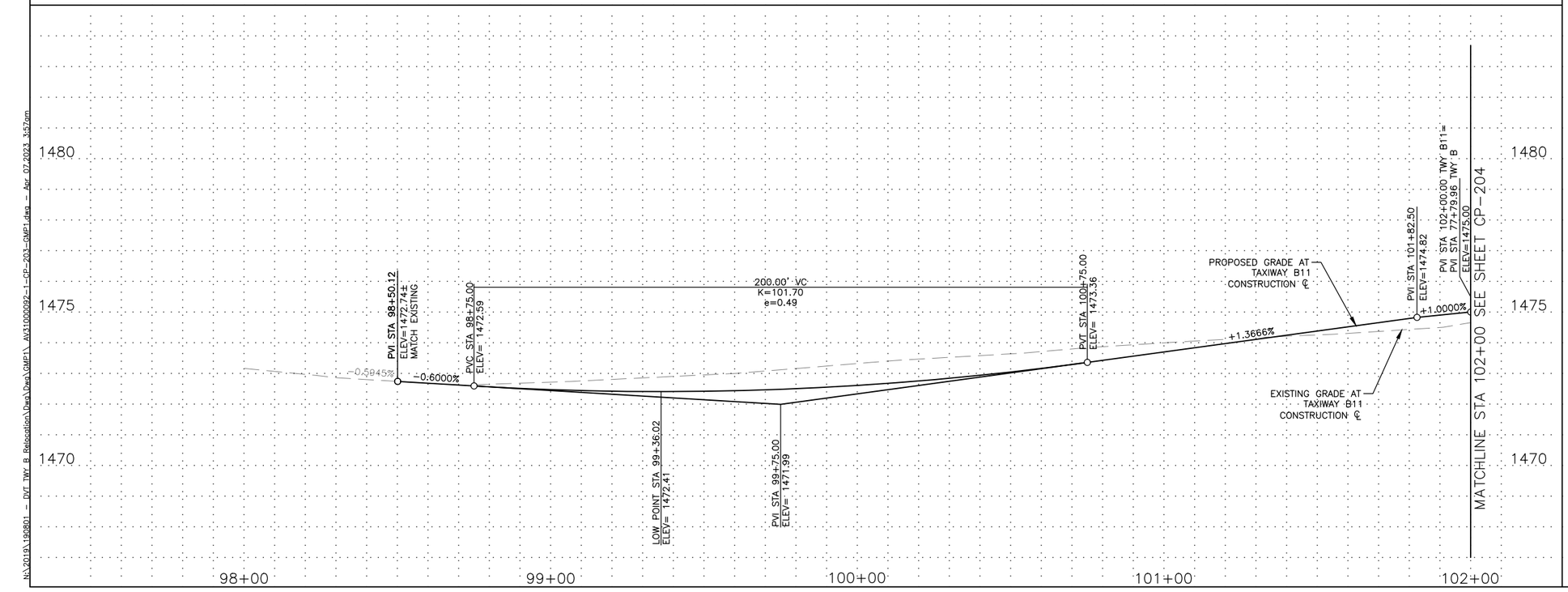
CONNECTOR TAXIWAY B10 PLAN & PROFILE

SHEET REFERENCE NUMBER:
CP-202

SHEET 45 OF 107

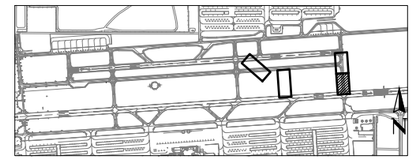
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REFERENCE NOTES

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



KEY MAP

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N

0 20' 40'

SCALE:1"=20'

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT
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

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

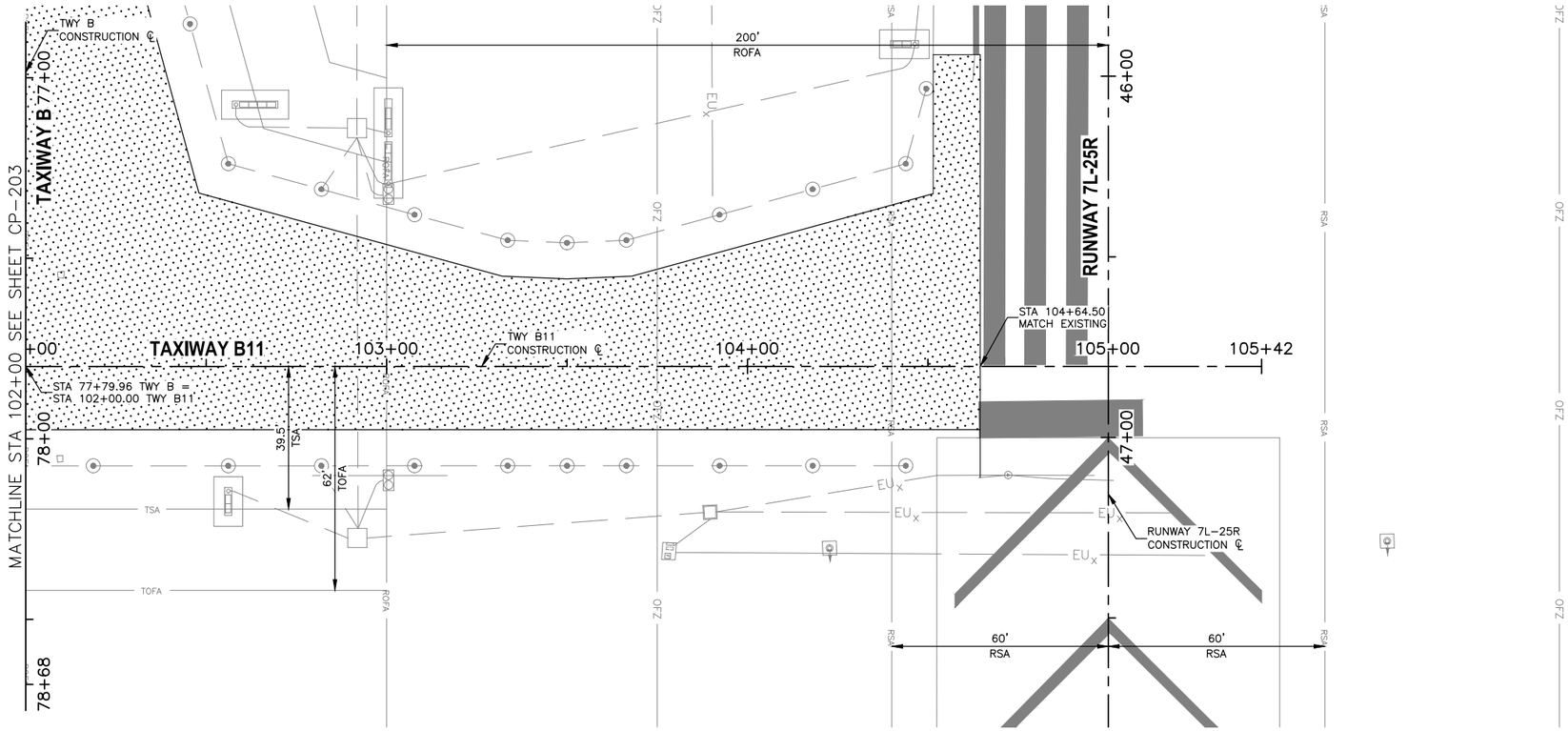
SHEET OVERVIEW TITLE

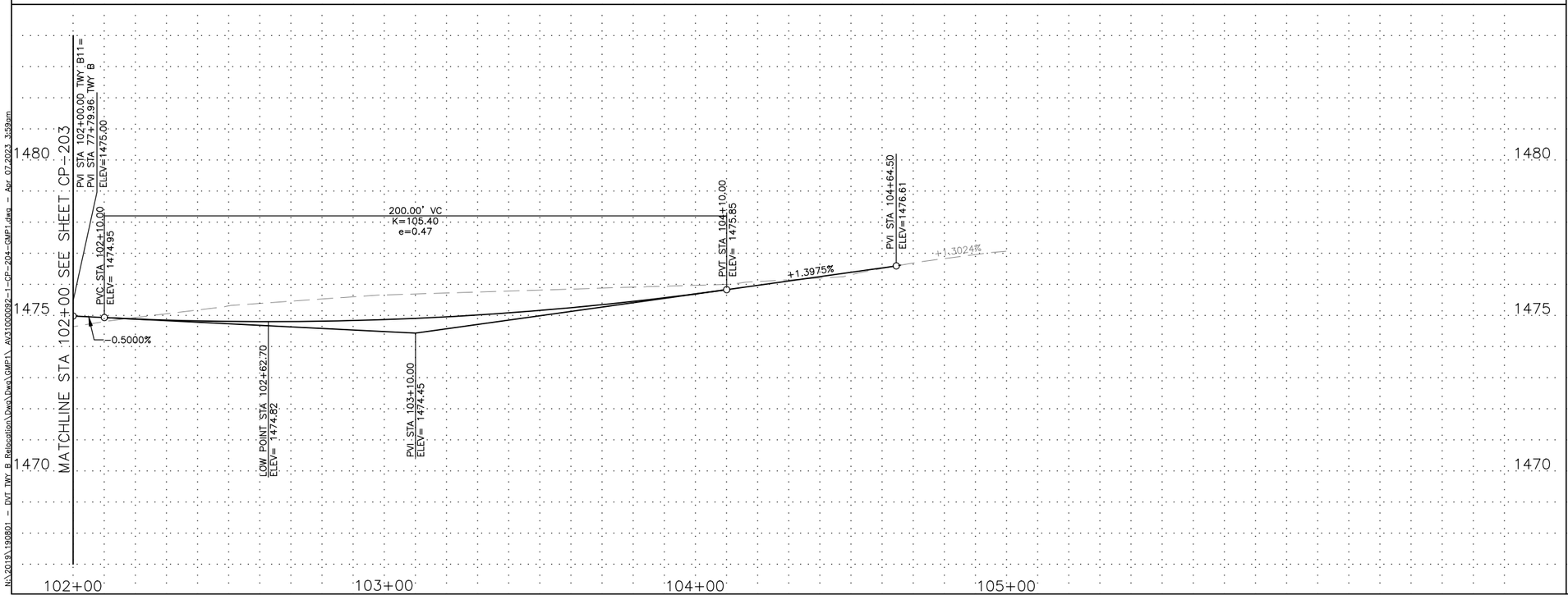
CONNECTOR TAXIWAY B11
PLAN & PROFILE
STA 98+50.12 TO 102+00

SHEET REFERENCE NUMBER:
CP-203

SHEET 46 OF 107

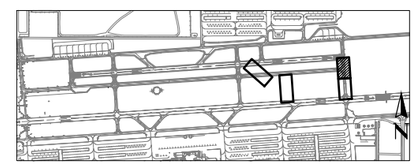
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REFERENCE NOTES

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



KEY MAP



SCALE:1"=20'

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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

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

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

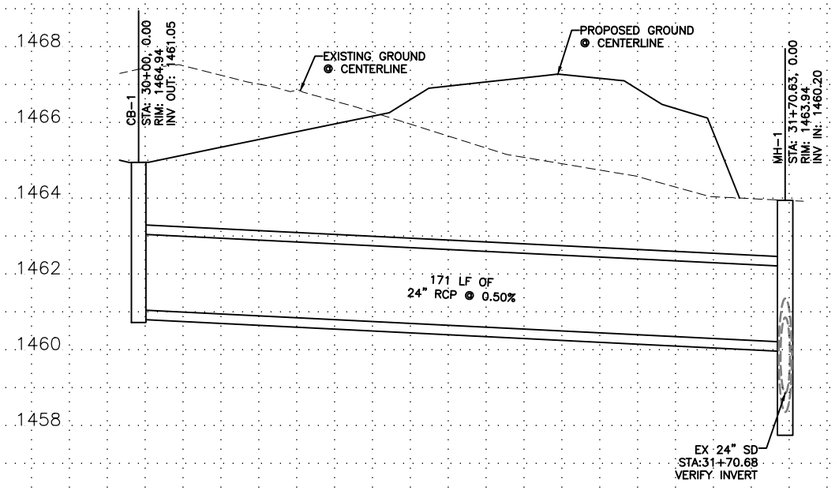
SHEET OVERVIEW TITLE

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

SHEET REFERENCE NUMBER:
CP-204

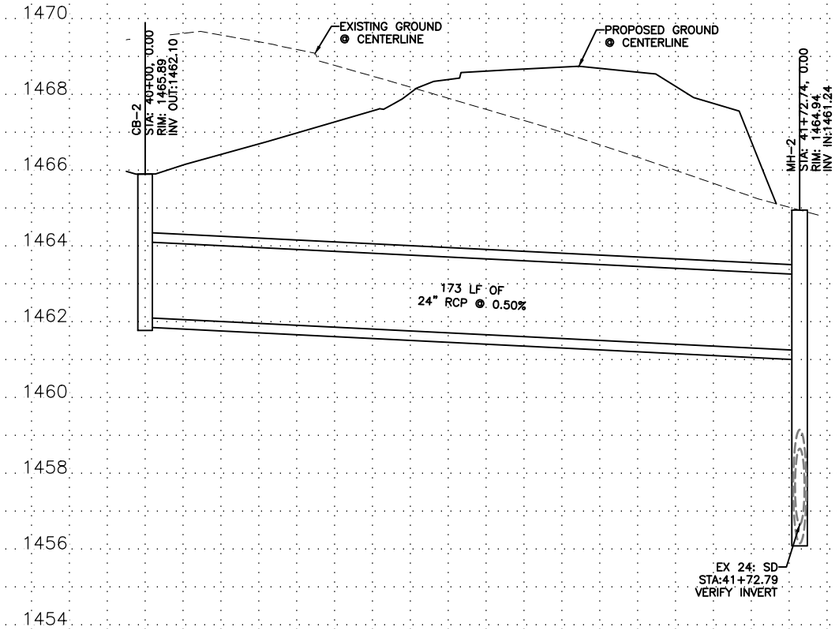
SHEET 47 OF 107

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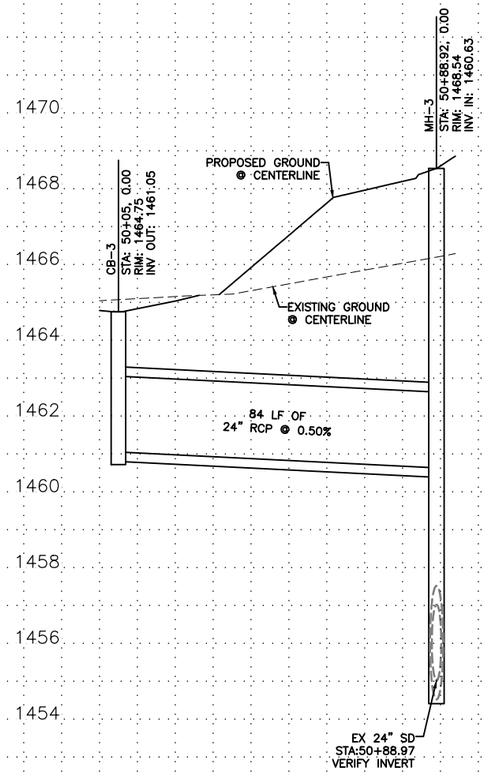
TW B CONSTRUCTION C/L – STA 61+46

D1 / CU-201 STORM DRAIN PROFILE SD-1



TW B CONSTRUCTION C/L – STA 65+65

D2 / CU-201 STORM DRAIN PROFILE SD-2



TW B CONSTRUCTION C/L – STA 68+73

D3 / CU-201 STORM DRAIN PROFILE SD-3

0 2' 4'
SCALE:1"=2' (VERT)

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

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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

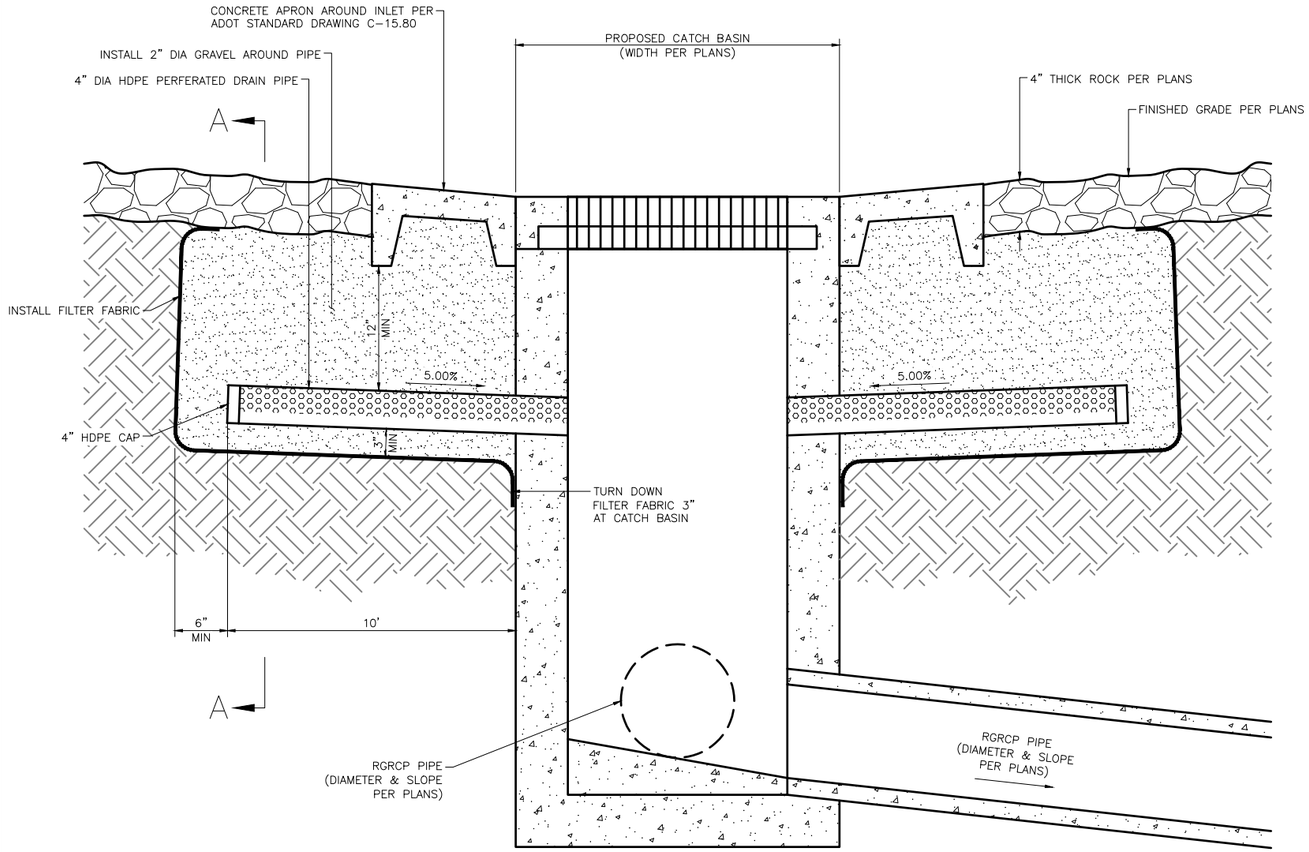
AIP NO.:3-04-0028-045-2023

SHEET OVERVIEW TITLE
STORM DRAIN CONNECTOR PIPE PROFILES

SHEET REFERENCE NUMBER:
CU-201

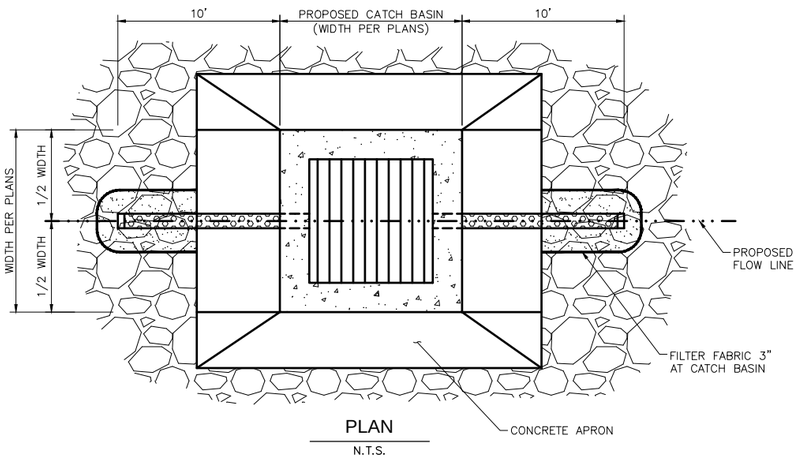
SHEET 48 OF 107

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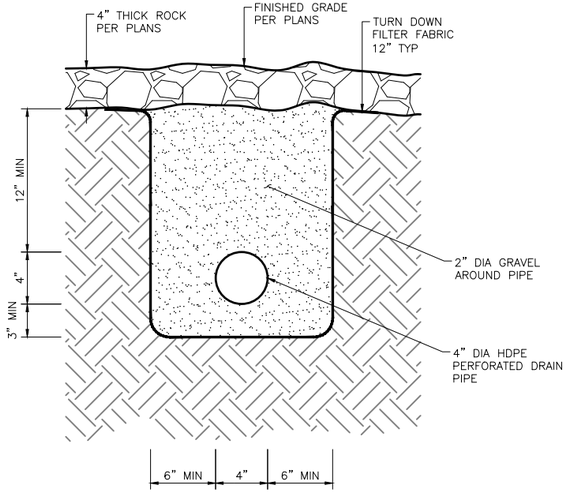
PROFILE

N.T.S.



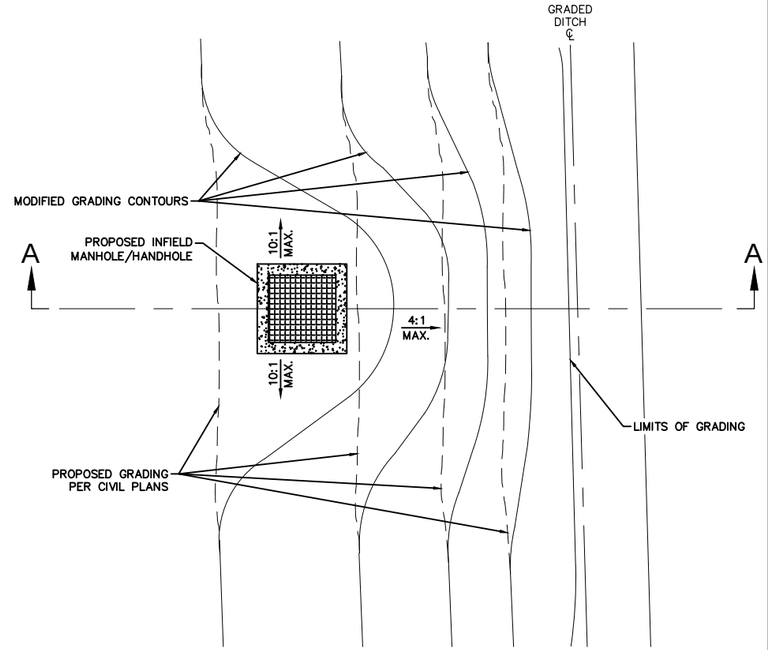
PLAN

N.T.S.

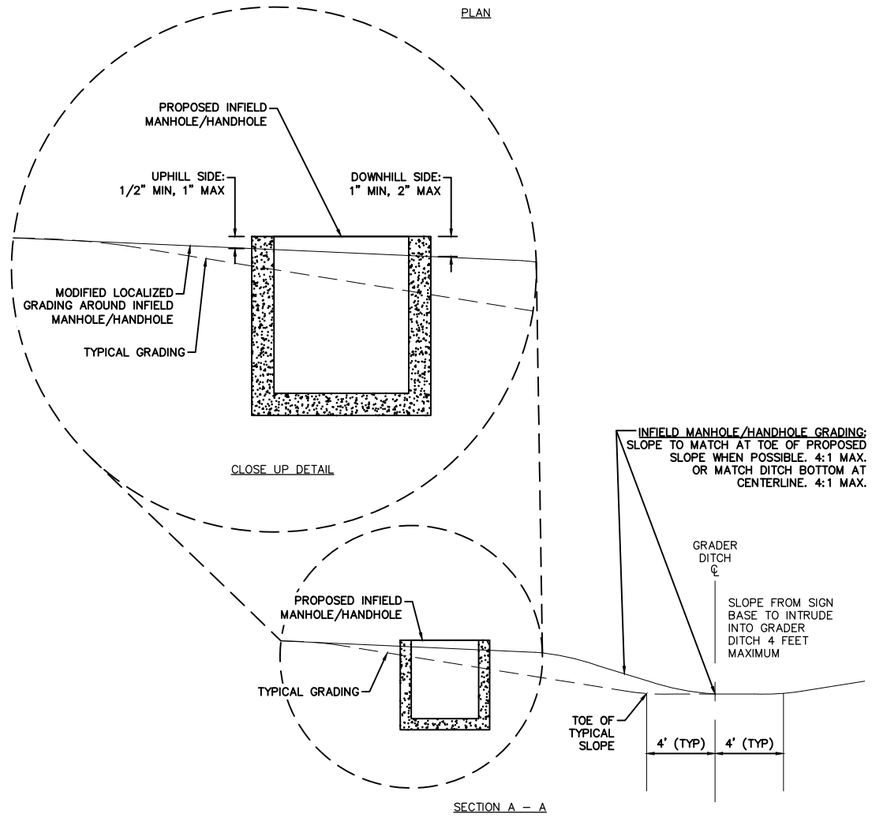


SECTION "A-A"

N.T.S.



PLAN



2 CU-201 INFIELD MANHOLE / HANDHOLE LOCALIZED GRADING DETAIL

N.T.S.

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT — 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

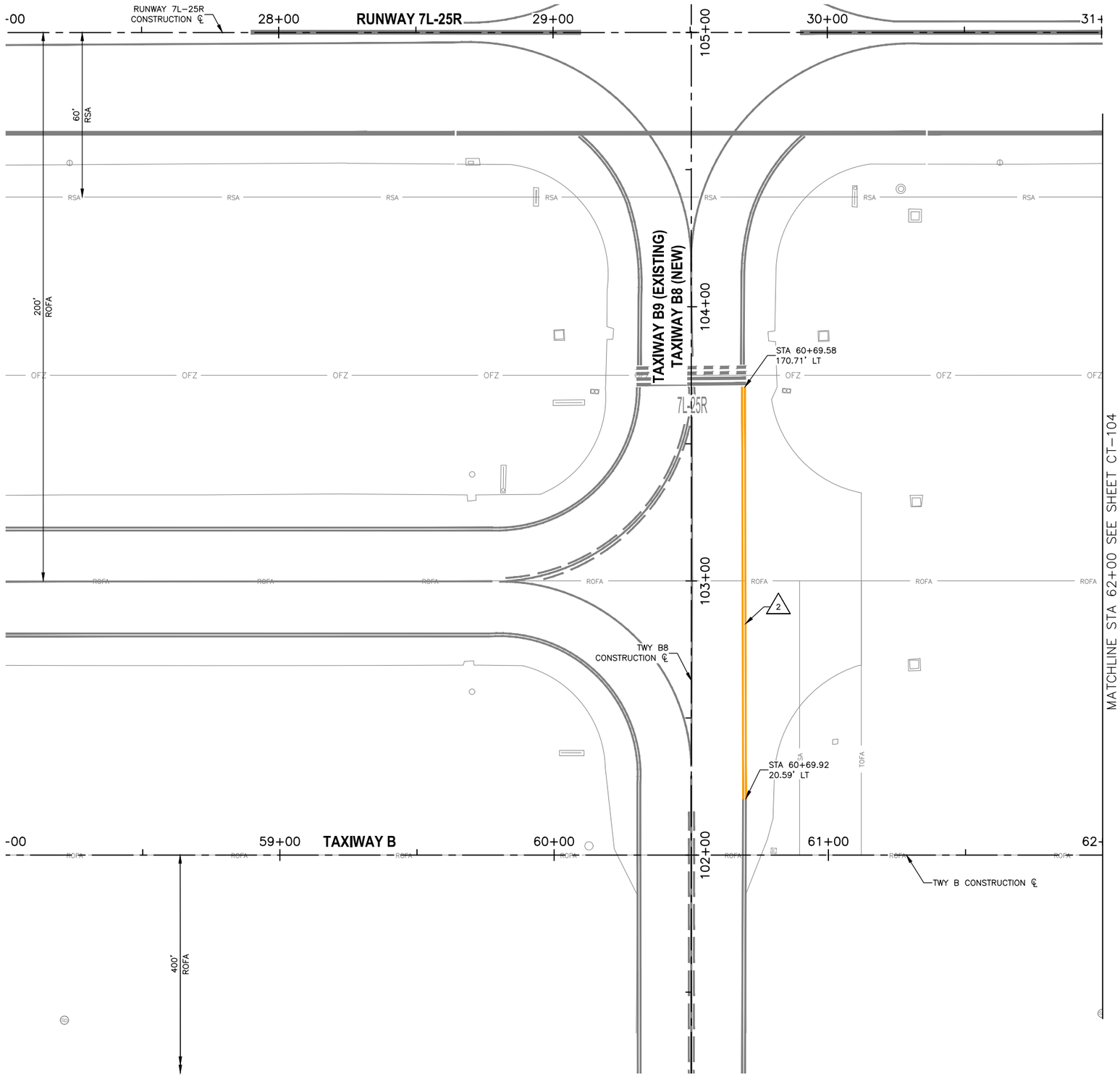
SHEET OVERVIEW TITLE

GRADING & DRAINAGE DETAILS

SHEET REFERENCE NUMBER: **CU-501**

SHEET 49 OF 107

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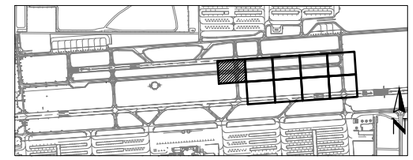


PAVEMENT MARKING NOTES

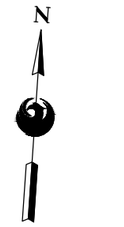
1. PAINT TAXIWAY CENTERLINE MARKING PER DTL D1, SHEET CT–501 (P–620)
2. PAINT TAXIWAY EDGE MARKING PER DTL D2, SHEET CT–501 (P–620)
3. PAINT ENHANCED TAXIWAY CENTERLINE MARKING PER DTL D3, SHEET CT–501 (P–620)
4. PAINT RUNWAY HOLDING POSITION MARKING PER DTL D4, SHEET CT–501 (P–620)
5. PAINT SURFACE 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 ℄ UNLESS OTHERWISE NOTED.



KEY MAP



SCALE:1"=20'

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT
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

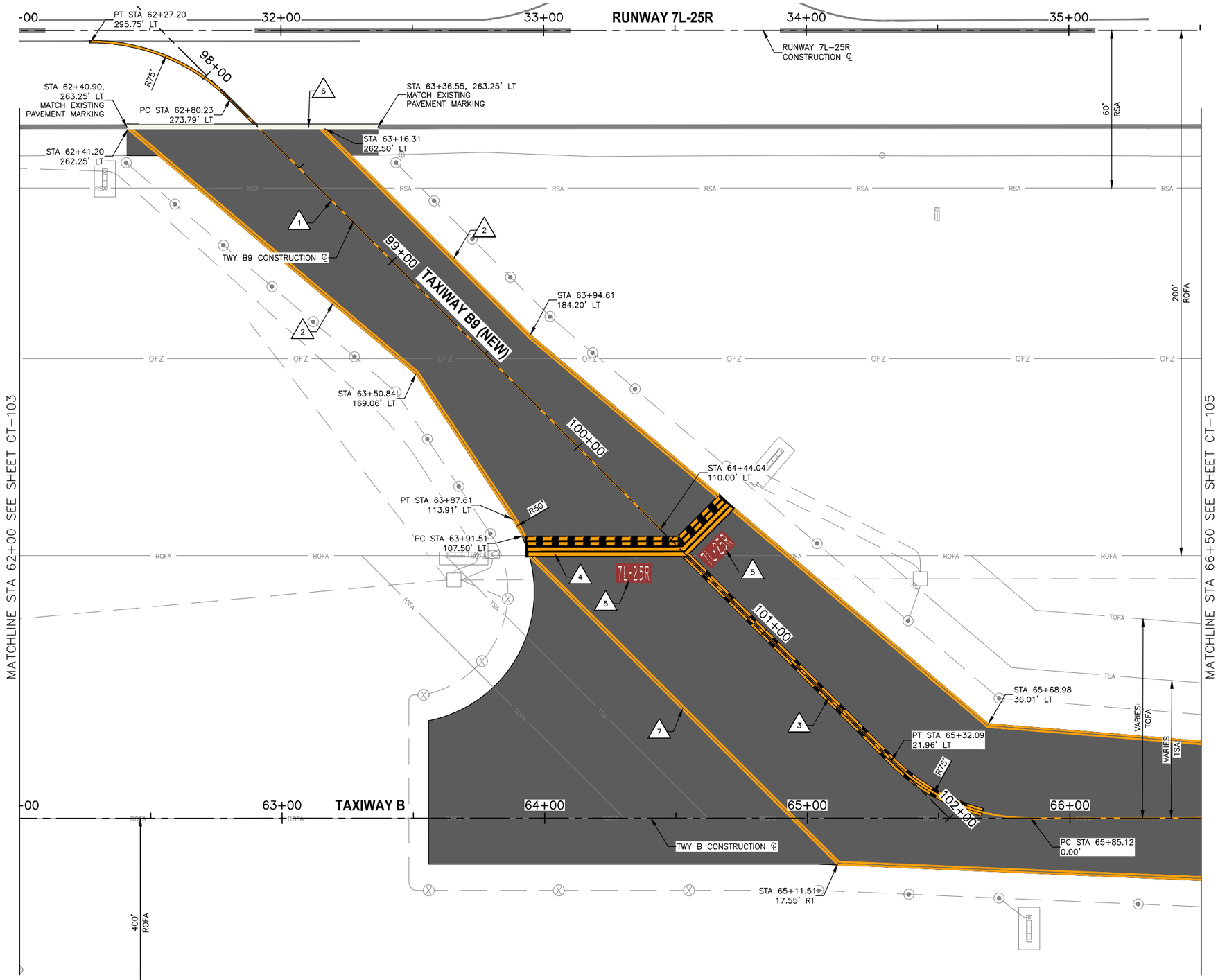
Designed by: B. SALINE
Drawn by: T. ROTH
Checked by: C. JHAVERI
Date: 04/2023
Dwg scale: AS SHOWN

SHEET OVERVIEW TITLE

AIRFIELD MARKING PLAN

SHEET REFERENCE NUMBER:
CT-103
SHEET 50 OF 107

N:\2019\190801 – DVT TWY B Relocation\Dwg\Dwg\GMP1_AV31000092–1–CT–103–GMP1.dwg – Apr 07,2023 4:01pm

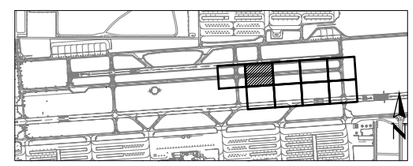


PAVEMENT MARKING NOTES

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 ℄ UNLESS OTHERWISE NOTED.



KEY MAP

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N

0 20' 40'

SCALE:1"=20'

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

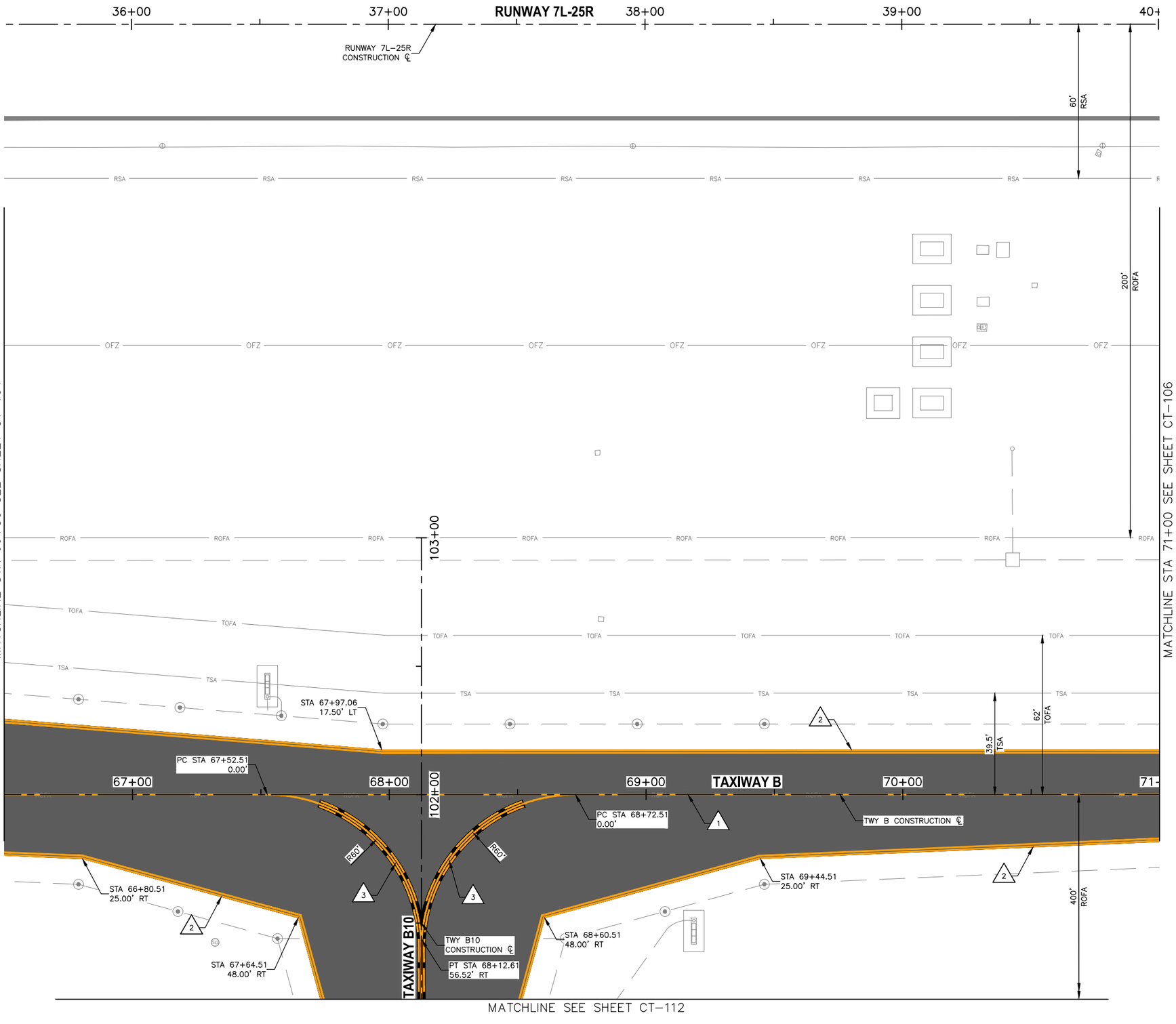
Designed by: B. SALINE
Drawn by: T. ROTH
Checked by: C. JHAVERI
Date: 04/2023
Dwg scale: AS SHOWN

SHEET OVERVIEW TITLE

AIRFIELD MARKING PLAN

SHEET REFERENCE NUMBER:
CT-104
SHEET 51 OF 107

N:\2019\190801 - DVT TWY B Relocation\Dwg\Dwg\GMP1_AV31000092-1_CT-104_GMP1.dwg - Apr 07,2023 4:02pm

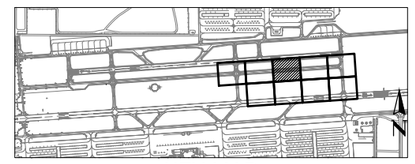


PAVEMENT MARKING NOTES

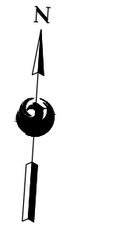
1. PAINT TAXIWAY CENTERLINE MARKING PER DTL D1, SHEET CT-501 (P-620)
2. PAINT TAXIWAY EDGE MARKING PER DTL D2, SHEET CT-501 (P-620)
3. PAINT ENHANCED TAXIWAY CENTERLINE MARKING PER DTL D3, SHEET CT-501 (P-620)

REFERENCE NOTES

1. STATIONING IS BASED ON TWY B CONSTRUCTION ℄ 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 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

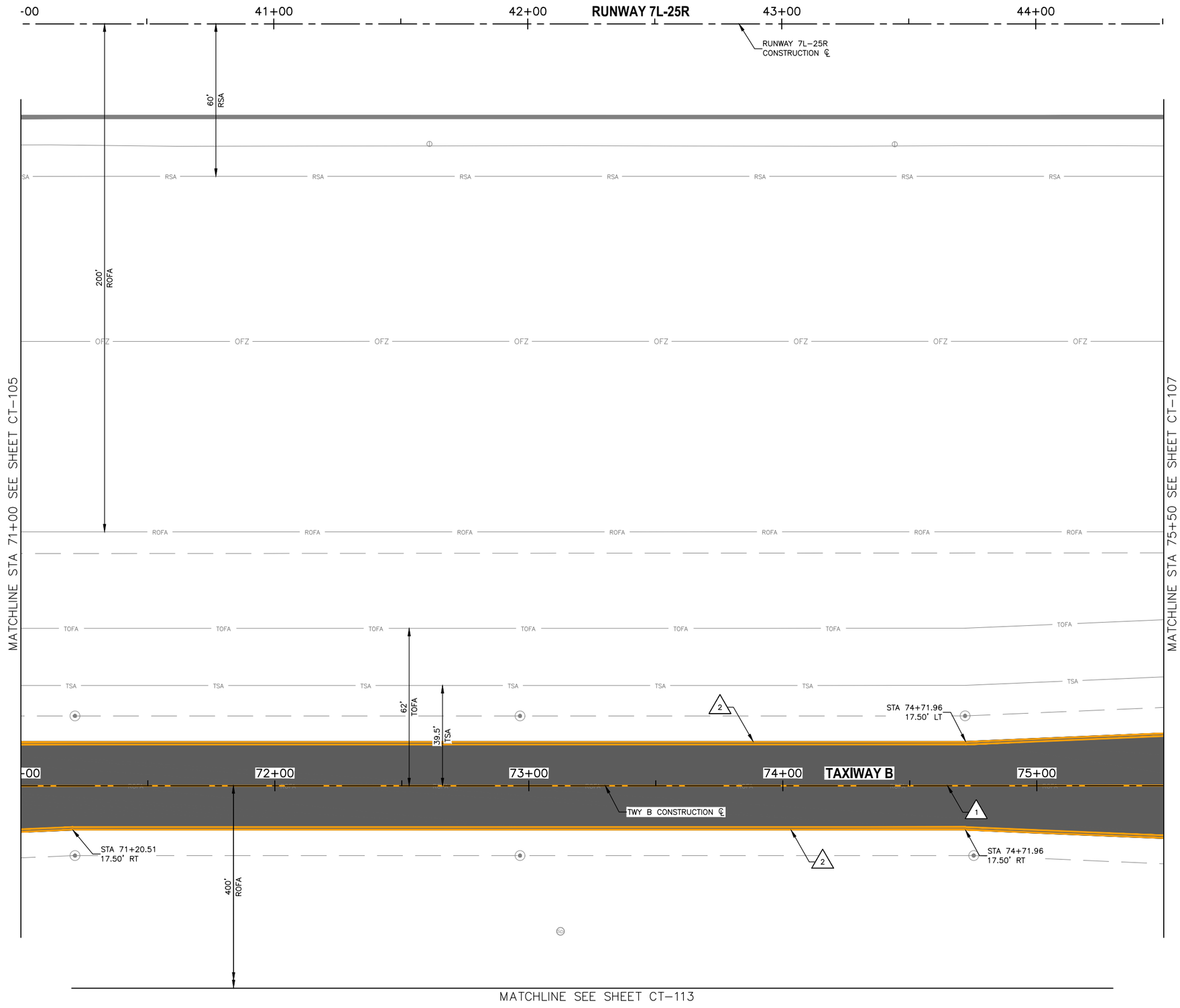
SHEET OVERVIEW TITLE

AIRFIELD MARKING PLAN

SHEET REFERENCE NUMBER:
CT-105

SHEET 52 OF 107

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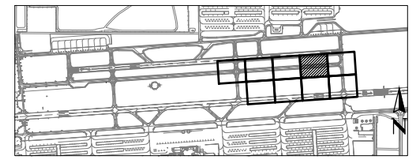


PAVEMENT MARKING NOTES

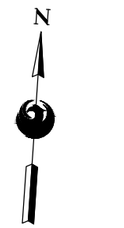
1. PAINT TAXIWAY CENTERLINE MARKING PER DTL D1, SHEET CT-501
2. PAINT TAXIWAY EDGE MARKING PER DTL D2, SHEET CT-501

REFERENCE NOTES

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



KEY MAP



0 20' 40'

SCALE:1"=20'

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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

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

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

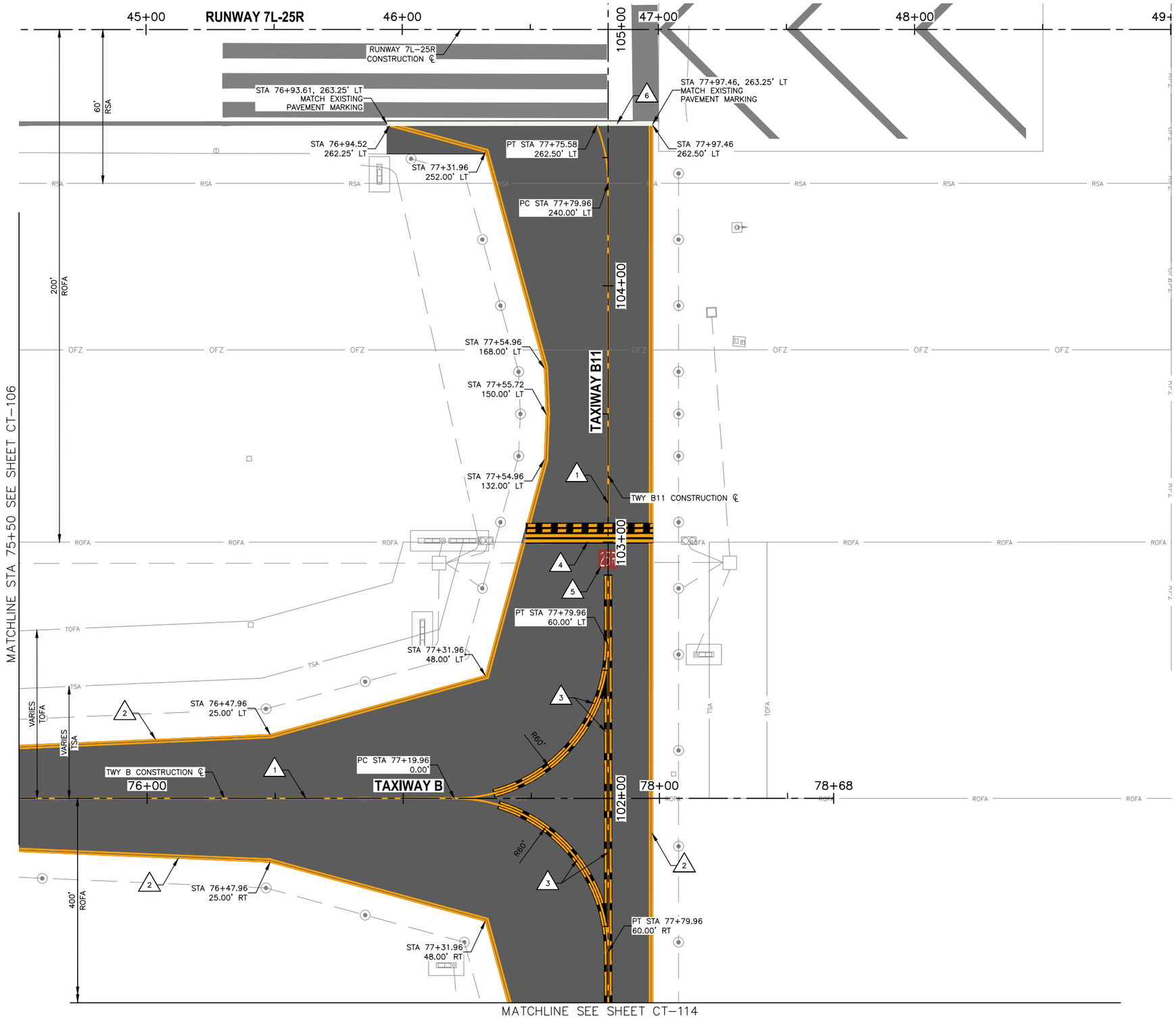
SHEET OVERVIEW TITLE

AIRFIELD MARKING PLAN

SHEET REFERENCE NUMBER:
CT-106

SHEET 53 OF 107

N:\2019\190801 - DVT TWY B Relocation\Dwg\Dwg\GMP1\ AV31000092-1-CT-106-GMP1.dwg - Apr 07,2023 4:04pm

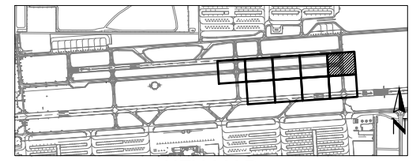


PAVEMENT MARKING NOTES

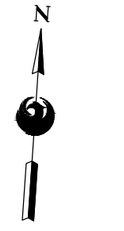
1. PAINT TAXIWAY CENTERLINE MARKING PER DTL D1, SHEET CT-501 (P-620)
2. PAINT TAXIWAY EDGE MARKING PER DTL D2, SHEET CT-501 (P-620)
3. PAINT ENHANCED TAXIWAY CENTERLINE MARKING PER DTL D3, SHEET CT-501 (P-620)
4. PAINT RUNWAY HOLDING POSITION MARKING PER DTL D4, SHEET CT-501 (P-620)
5. PAINT SURFACE 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 ℄ UNLESS OTHERWISE NOTED.



KEY MAP



0 20' 40'

SCALE:1"=20'

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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

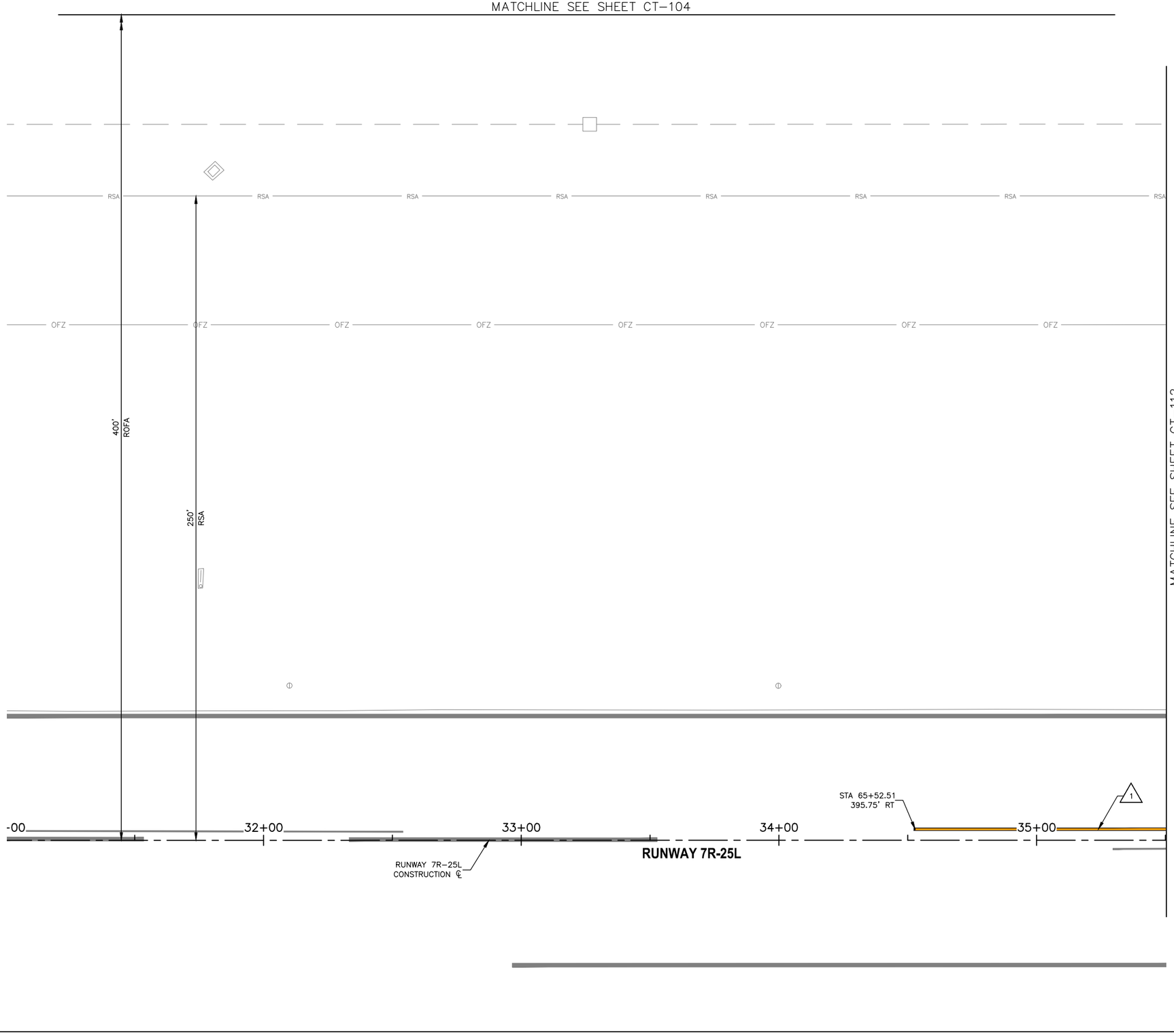
AIP NO.3-04-0028-045-2023

SHEET OVERVIEW TITLE
AIRFIELD MARKING PLAN

SHEET REFERENCE NUMBER:
CT-107

SHEET 54 OF 107

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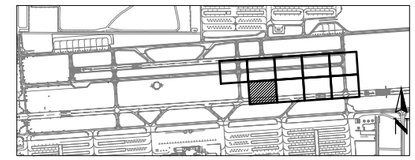


PAVEMENT MARKING NOTES

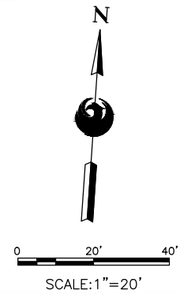
1. PAINT TAXIWAY CENTERLINE MARKING PER DTL D1, SHEET CT-501 (P-620)

REFERENCE NOTES

1. STATIONING IS BASED ON 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 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

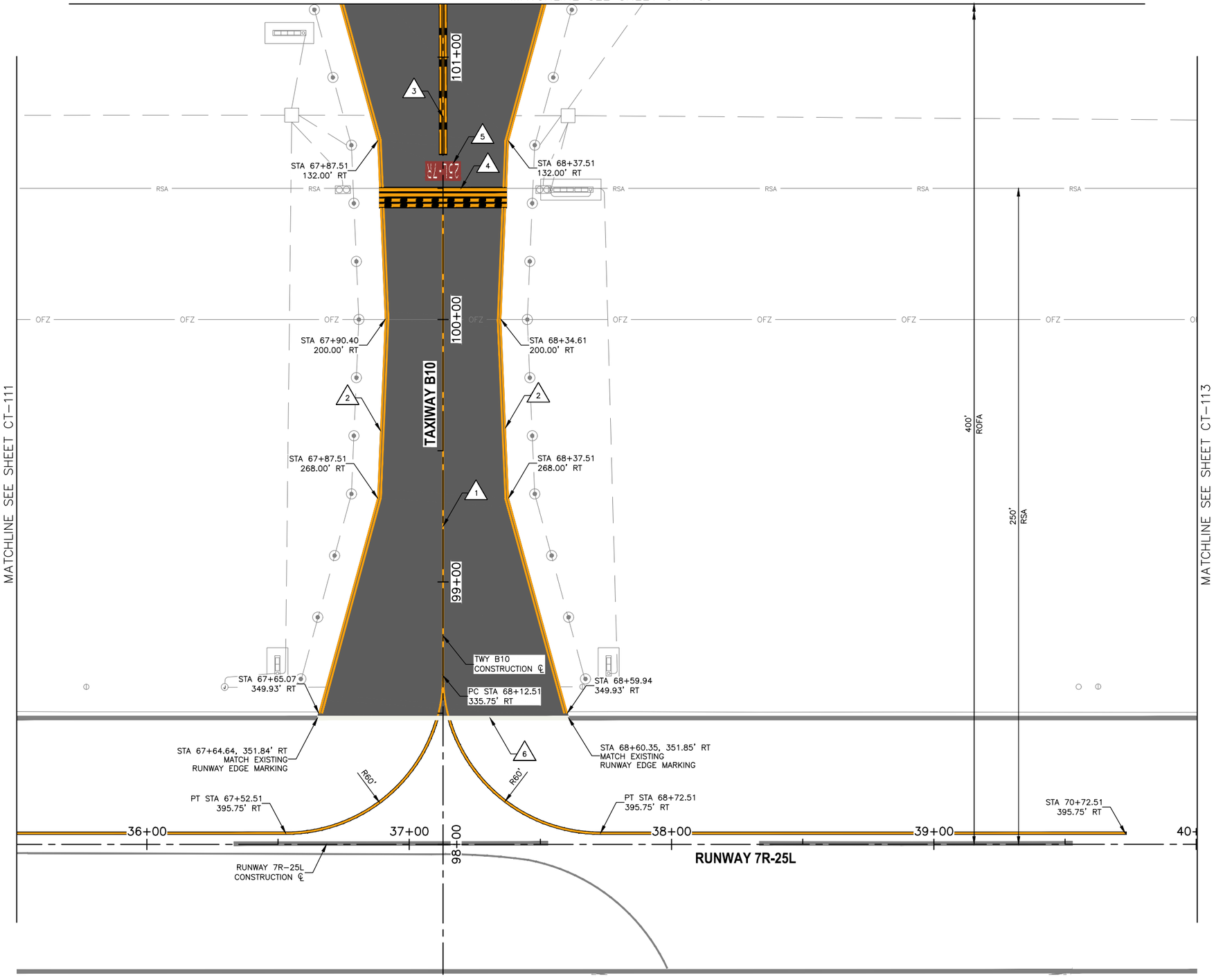
SHEET OVERVIEW TITLE

AIRFIELD MARKING PLAN

SHEET REFERENCE NUMBER:
CT-111

SHEET 55 OF 107

N:\2019\190801 - DVT TWY B Relocation\Dwg\Dwg\GMP1\ AV31000092-1-CT-111-GMP1.dwg - Apr 07,2023 4:05pm

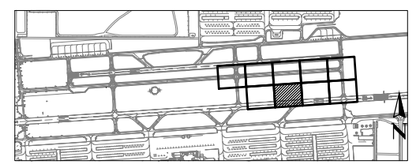


PAVEMENT MARKING NOTES

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 ℄ UNLESS OTHERWISE NOTED.



KEY MAP

N

0 20' 40'

SCALE:1"=20'

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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

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

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

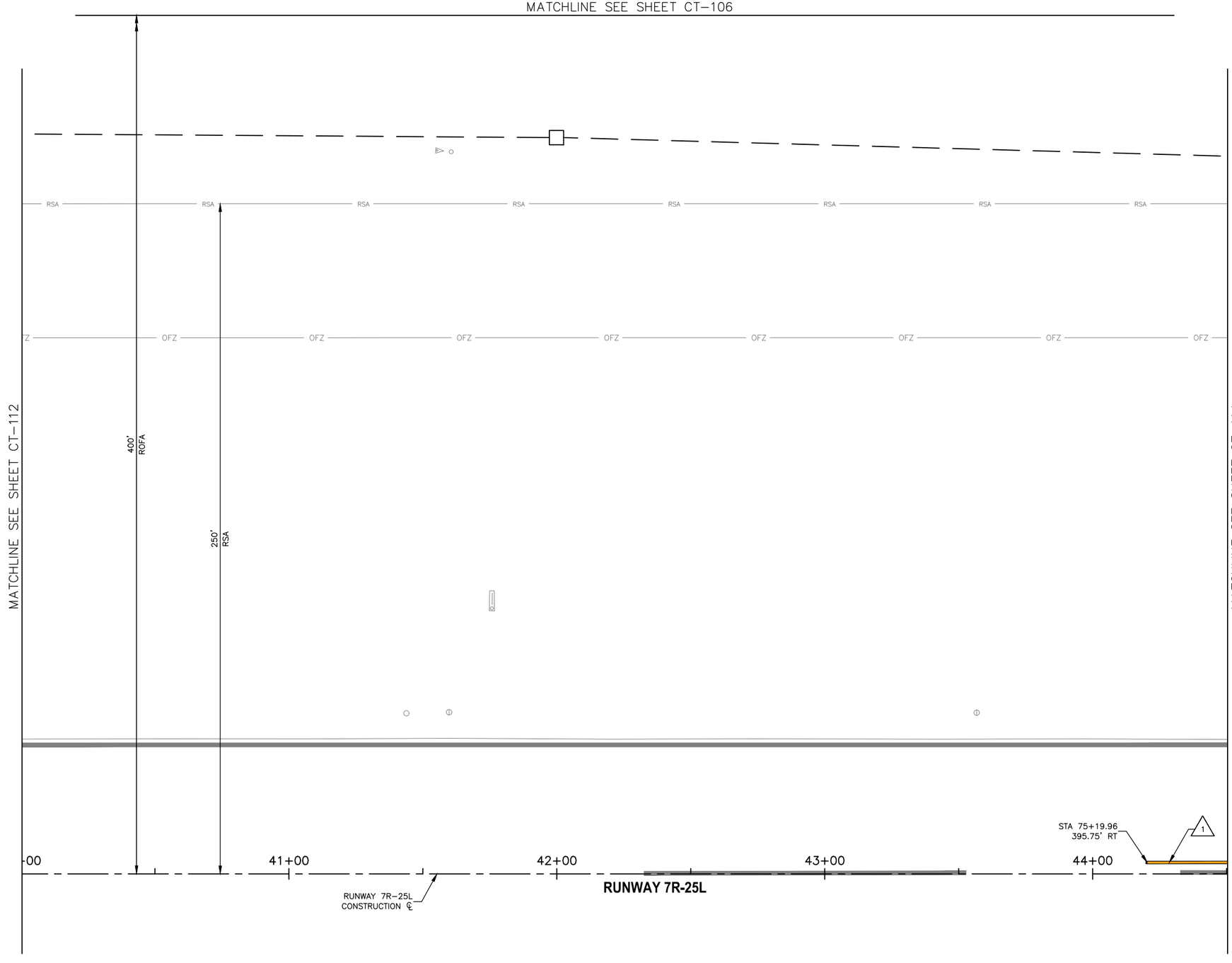
SHEET OVERVIEW TITLE

AIRFIELD MARKING PLAN

SHEET REFERENCE NUMBER:
CT-112

SHEET 56 OF 107

N:\2019\190801 - DVT TWY B Relocation\Dwg\Dwg\GMP1\AV31000092-1-CT-112-GMP1.dwg - Apr 07,2023 4:06pm

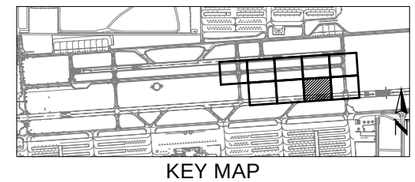


PAVEMENT MARKING NOTES

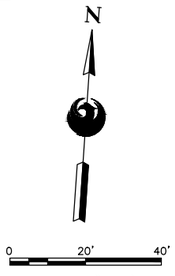
1. PAINT TAXIWAY CENTERLINE MARKING PER DTL D1, SHEET CT-501 (P-620)

REFERENCE NOTES

1. STATIONING IS BASED ON 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 B AND CONSTRUCT CONNECTORS B6 AND B9 - GMP 1
AV31000092 FAA
AIP NO.:3-04-0028-045-2023

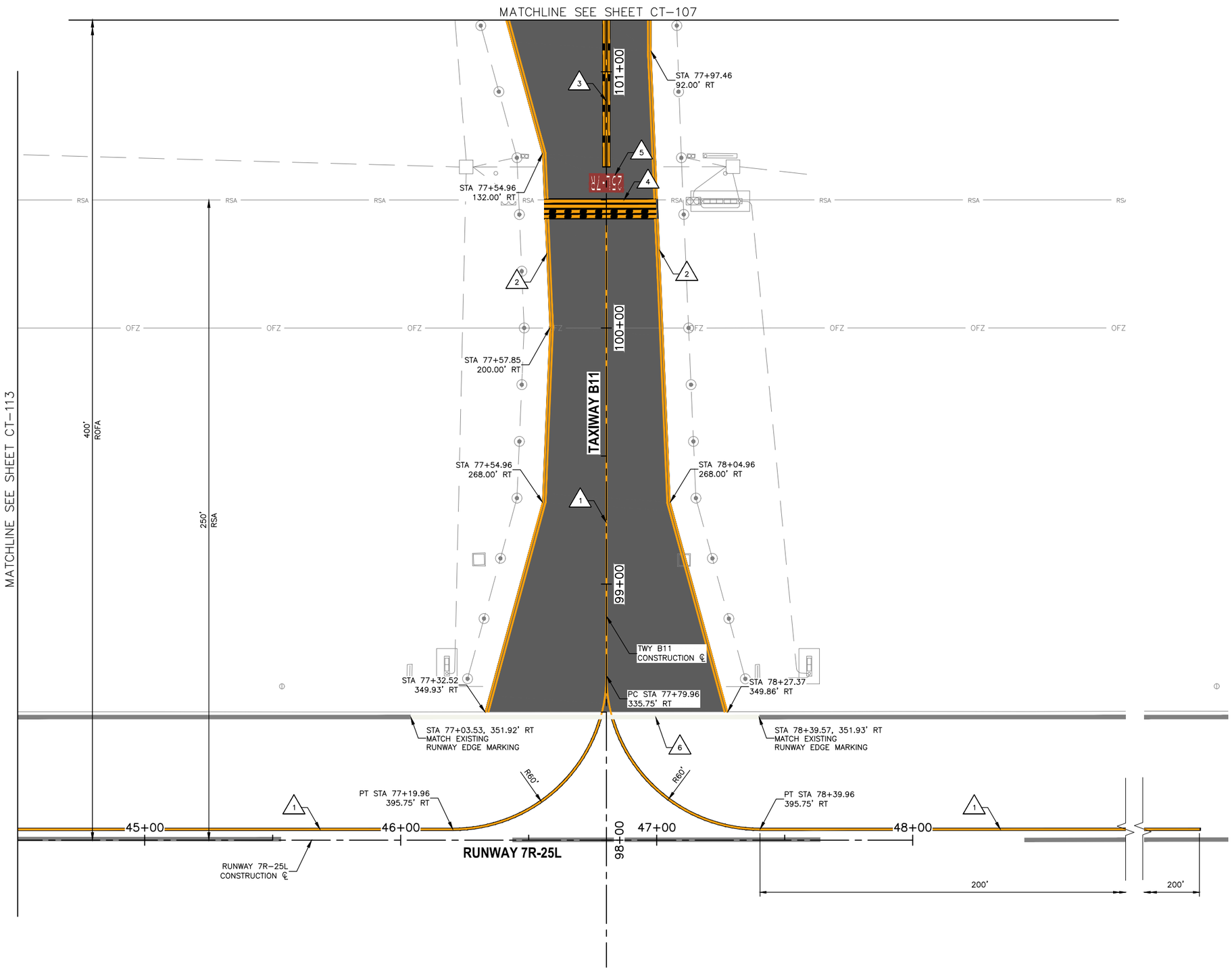
Designed by: B. SALINE
Drawn by: T. ROTH
Checked by: C. JHAVERI
Date: 04/2023
Dwg scale: AS SHOWN

SHEET OVERVIEW TITLE
AIRFIELD MARKING PLAN

SHEET REFERENCE NUMBER:
CT-113

SHEET 57 OF 107

N:\2019\190801 - DVT TWY B Relocation\Dwg\Dwg\GMP1\AV31000092-1_CT-113_GMP1.dwg - Apr 07,2023 4:06pm

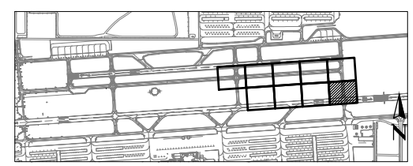


PAVEMENT MARKING NOTES

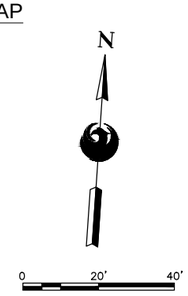
1. PAINT TAXIWAY CENTERLINE MARKING PER DTL D1, SHEET CT-501 (P-620)
2. PAINT TAXIWAY EDGE MARKING PER DTL D2, SHEET CT-501 (P-620)
3. PAINT ENHANCED TAXIWAY CENTERLINE MARKING PER DTL D3, SHEET CT-501 (P-620)
4. PAINT RUNWAY HOLDING POSITION MARKING PER DTL D4, SHEET CT-501 (P-620)
5. PAINT SURFACE 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 ℄ 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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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT GYR
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

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

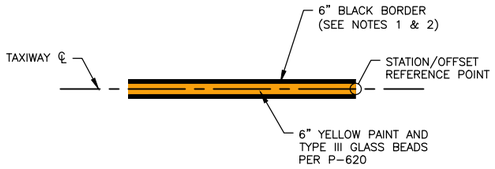
SHEET OVERVIEW TITLE

AIRFIELD MARKING PLAN

SHEET REFERENCE NUMBER:
CT-114

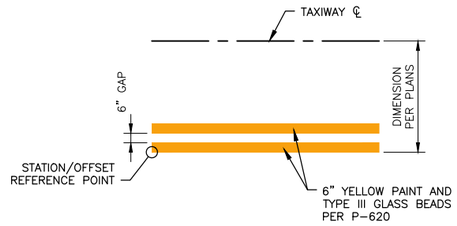
SHEET 58 OF 107

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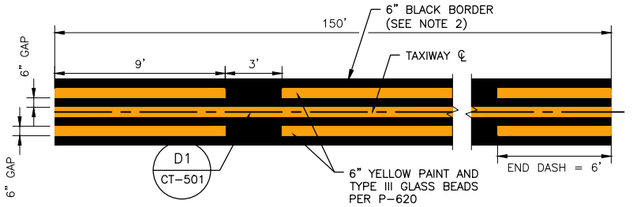
NOTES:
1. BLACK BORDER NOT TO BE PAINTED FOR MARKINGS ON NEW ASPHALT
2. NO GLASS BEADS SHALL BE APPLIED TO TEMPORARY PAVEMENT MARKINGS.
3. APPLICATION RATE FOR TEMPORARY AND PERMANENT PAVEMENT MARKINGS SHALL BE PER P-620.

D1 / CT-501 TAXIWAY CENTERLINE MARKING
NTS



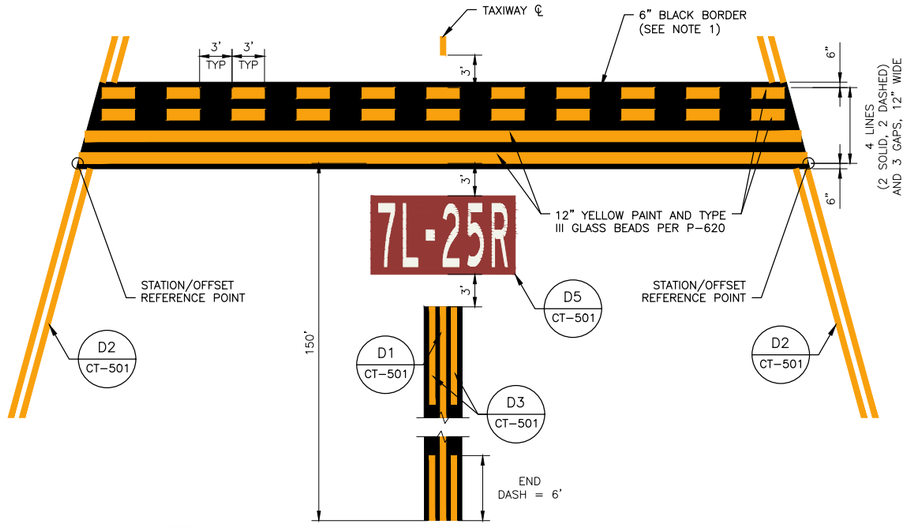
NOTES:
1. BLACK BORDER NOT TO BE PAINTED FOR MARKINGS ON NEW ASPHALT
2. NO GLASS BEADS SHALL BE APPLIED TO TEMPORARY PAVEMENT MARKINGS.
3. APPLICATION RATE FOR TEMPORARY AND PERMANENT PAVEMENT MARKINGS SHALL BE PER P-620.

D2 / CT-501 CONTINUOUS TAXIWAY EDGE MARKING
NTS



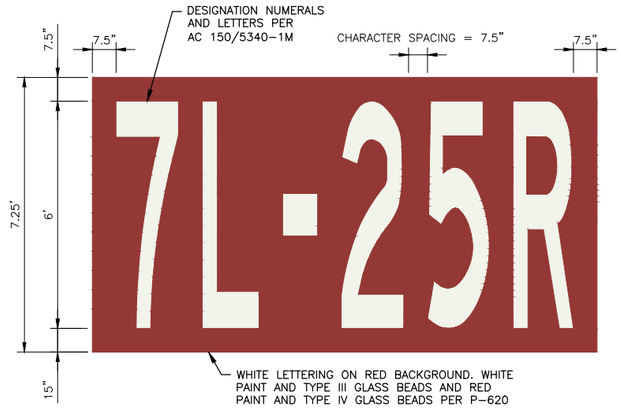
NOTES:
1. ENHANCED TAXIWAY CENTERLINE MARKING DIMENSIONS TAKEN ALONG TAXIWAY CENTERLINE
2. NO GLASS BEADS SHALL BE APPLIED TO TEMPORARY PAVEMENT MARKINGS.
3. APPLICATION RATE FOR TEMPORARY AND PERMANENT PAVEMENT MARKINGS SHALL BE PER P-620.

D3 / CT-501 ENHANCED TAXIWAY CENTERLINE MARKING
NTS



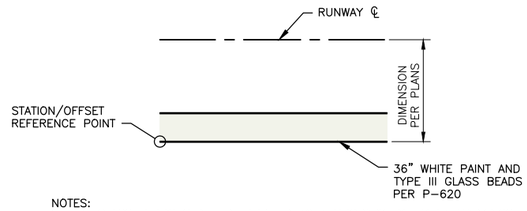
NOTES:
1. NO GLASS BEADS SHALL BE APPLIED TO TEMPORARY PAVEMENT MARKINGS.
2. APPLICATION RATE FOR TEMPORARY AND PERMANENT PAVEMENT MARKINGS SHALL BE PER P-620.

D4 / CT-501 RUNWAY HOLDING POSITION MARKING DIMENSIONS
NTS



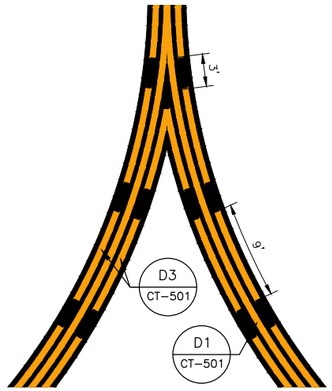
NOTES:
1. 7L-25R SIGN SHOWN FOR REFERENCE, SEE MARKING PLANS FOR INSCRIPTIONS AND LOCATIONS
2. BLACK BORDER NOT TO BE PAINTED FOR MARKINGS ON NEW ASPHALT
3. NO GLASS BEADS SHALL BE APPLIED TO TEMPORARY PAVEMENT MARKINGS.
4. APPLICATION RATE FOR TEMPORARY AND PERMANENT PAVEMENT MARKINGS SHALL BE PER P-620.

D5 / CT-501 SURFACE PAINTED HOLDING POSITION SIGN
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 / CT-501 RUNWAY EDGE MARKING
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 / CT-501 DASHED LINES AT CONVERGING TAXIWAY CENTERLINES
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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B6 AND B9 - GMP 1
AV31000092 FAA

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

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

SHEET OVERVIEW TITLE

AIRFIELD MARKING DETAILS

SHEET REFERENCE NUMBER:
CT-501

SHEET 59 OF 107

N:\2019\190801 - DVT TWY B Relocation\Dwg\Dwg\GMP1_AV31000092-1-CT-501-GMP1.dwg — Apr 07,2023 4:07pm

ELECTRICAL LEGEND:

(UNLESS OTHERWISE NOTED ON PLANS)

EU	EXISTING ELECTRICAL CONDUIT AND CONDUCTOR
FO	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
J	NEW L–867B (12" DIA) JUNCTION CAN
X	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 IDENITIFIER 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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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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Drawn by:	JBW
Checked by:	CA
Date:	04/05/2023
Dwg scale:	NTS

SHEET OVERVIEW TITLE

ELECTRICAL LEGEND, ABBREVIATIONS, AND SHEET INDEX

SHEET REFERENCE NUMBER:
EA-001

Q:\PROJECTS\19000\19006 DVT Relocate Txy B & Construct High Speed Connectors\CAD\CAD SHEETS\ 19006_EA–001.dwg – Apr 05,2023 8:45am

ELECTRICAL DEMOLITION GENERAL NOTES

1. WITHIN AREAS OF DEMOLITION AND AS OTHERWISE SHOWN, REMOVE IDENTIFIED SIGN BASES, ISOLATION TRANSFORMERS AND OTHER INDICATED ITEMS.
2. CABLE REMOVAL
   A. DIRECT BURIAL: REMOVE FROM WITHIN MANHOLES AND HANDHOLES AND REMOVE IN AREAS WHERE EXCAVATION REQUIRES DISTURBING, ABANDON ELSEWHERE.
   B. IN CONDUIT: REMOVE COMPLETELY BETWEEN NEAREST BASES, HANDHOLES OR MANHOLES.
3. AT INDICATED DEVICES TO BE REMOVED OR IN DEMOLITION AREAS INDICATED, REMOVE ALL CONDUCTORS BACK TO NEAREST MANHOLE OR HANDHOLE OUTSIDE DEMOLITION AREA.
4. 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.
5. CONTRACTOR SHALL VERIFY EQUIPMENT AND CABLE DESIGNATIONS AND STATUS PRIOR TO REMOVAL OR DISCONNECTING.
6. 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.
7. 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.
8. 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).

1. DEER VALLEY ELECTRICIANS RESPONDING TO A LOCK-OUT/TAG-OUT REQUEST WILL COORDINATE WITH THE ATCT THROUGH OPERATIONS.
2. AFTER OPERATIONS NOTIFIES ELECTRICIANS OF CLOSURES, THE DEER VALLEY ELECTRICIANS WILL TURN OFF THE CLOSED RUNWAYS/TAXIWAYS USING THE AIRFIELD COMPUTER SYSTEM.
3. 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.
4. DEER VALLEY ELECTRIC SECTION WILL LOCK THE PANEL DOORS SHUT WITH A HASP AND AN ELECTRICAL SECTION LOCK.
5. THE S-1 CUTOUTS WILL BE PULLED, LOCKED AND PLACED ON THE CORRESPONDING REGULATOR BY THE ELECTRICAL CONTRACTOR.
6. THE ELECTRICAL CONTRACTOR AND DEER VALLEY ELECTRICIANS MUST FILL OUT LOCK-OUT FORMS BEFORE LEAVING THE VAULT.
7. 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.
8. 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.
9. COMPLETE LOCK-OUT/LOCK-IN FORMS.

*THIS PROCEDURAL CHECKLIST MUST BE FOLLOWED TO THE LETTER.

ELECTRICAL CONSTRUCTION PHASING NOTES

1. CONTRACTOR SHALL COORDINATE ALL WORK WITH AIRPORT MAINTENANCE, AIRPORT OPERATIONS, AND THE ENGINEER AS NECESSARY.
2. CONTRACTOR SHALL GIVE 48 HOURS NOTICE PRIOR TO WORKING ON OR AROUND ANY DUCTBANKS, HANDHOLES, ETC.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. UNCOVER SIGNS AND EDGE LIGHT FIXTURES, REMOVE TEMPORARY JUMPERS, AND VERIFY OPERATION AT THE END OF PROJECT.

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SHEET OVERVIEW TITLE

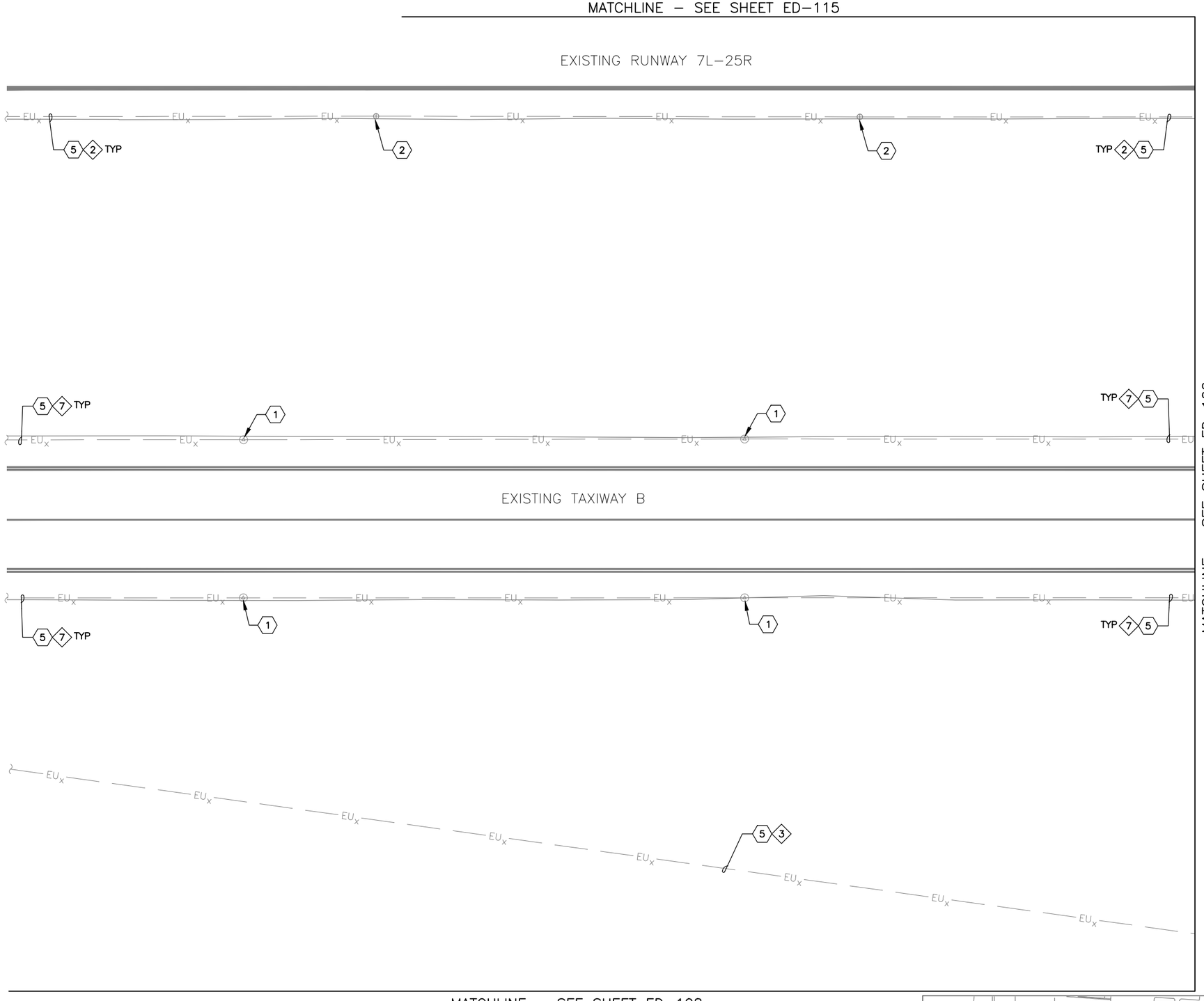
ELECTRICAL NOTES

SHEET REFERENCE NUMBER:
EA-002

SHEET 61 OF 107

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MATCHLINE – SEE SHEET ED–115

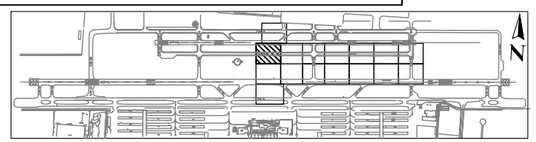


MATCHLINE – SEE SHEET ED–102

MATCHLINE – SEE SHEET ED–108

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

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

REFERENCE NOTES

1. EXISTING TAXWAY 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

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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-101

SHEET 62 OF 107

Q:\PROJECTS\19000\19006 DVT Relocate Txy B & Construct High Speed Connectors\CAD\CAD SHEETS\ 19006 ED–101 – ED–116.dwg – Apr 05,2023 8:55pm

MATCHLINE – SEE SHEET ED–115

EXISTING RUNWAY 7L–25R

MATCHLINE – SEE SHEET ED–101

MATCHLINE – SEE SHEET ED–103

EXISTING TAXIWAY B

MATCHLINE – SEE SHEET ED–109



KEY MAP

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)

* 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

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT

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'

AIP NO.:3–04–0028–045–2023

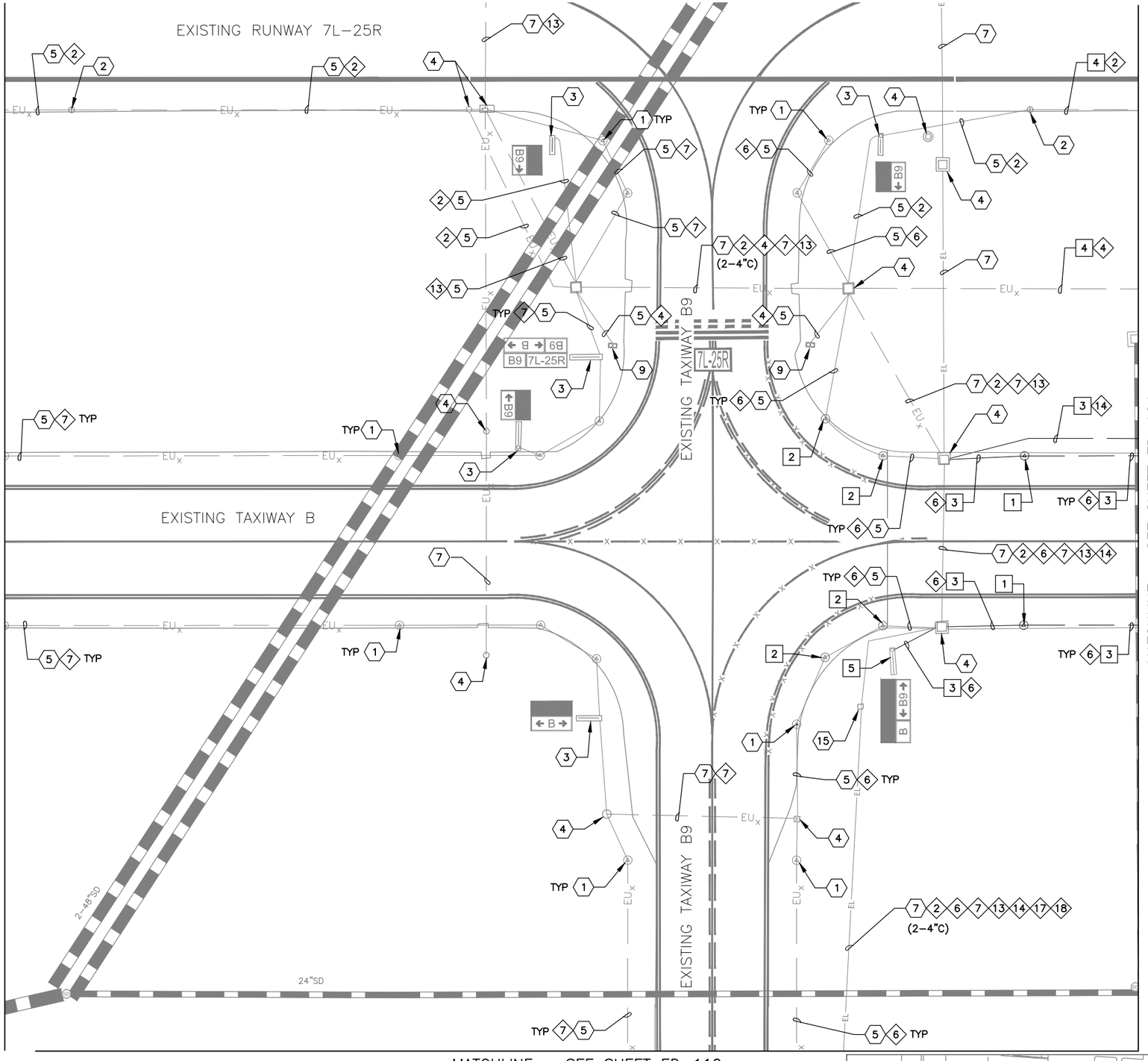
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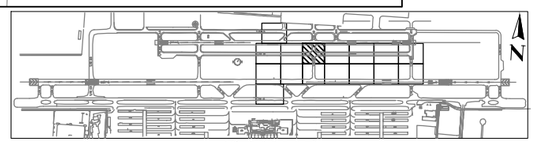
AIRFIELD ELECTRICAL DEMOLITION PLAN

SHEET REFERENCE NUMBER:
ED-102

SHEET 63 OF 107

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KEY MAP

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)

0 20 40 60

SCALE IN FEET

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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SHEET OVERVIEW TITLE

AIRFIELD ELECTRICAL DEMOLITION PLAN

SHEET REFERENCE NUMBER: ED-103

SHEET 64 OF 107

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EXISTING RUNWAY 7L–25R

EXISTING TAXIWAY B

MATCHLINE – SEE SHEET ED–103

MATCHLINE – SEE SHEET ED–105

MATCHLINE – SEE SHEET ED–111

18"SD

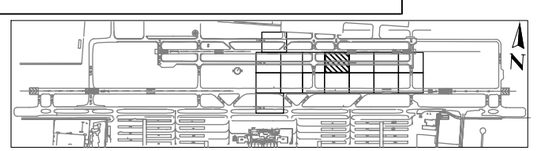
24"SD

18"SD

TYP

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 (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
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B6 AND B9 - GMP 1
AV31000092 FAA

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Date: 04/05/2023
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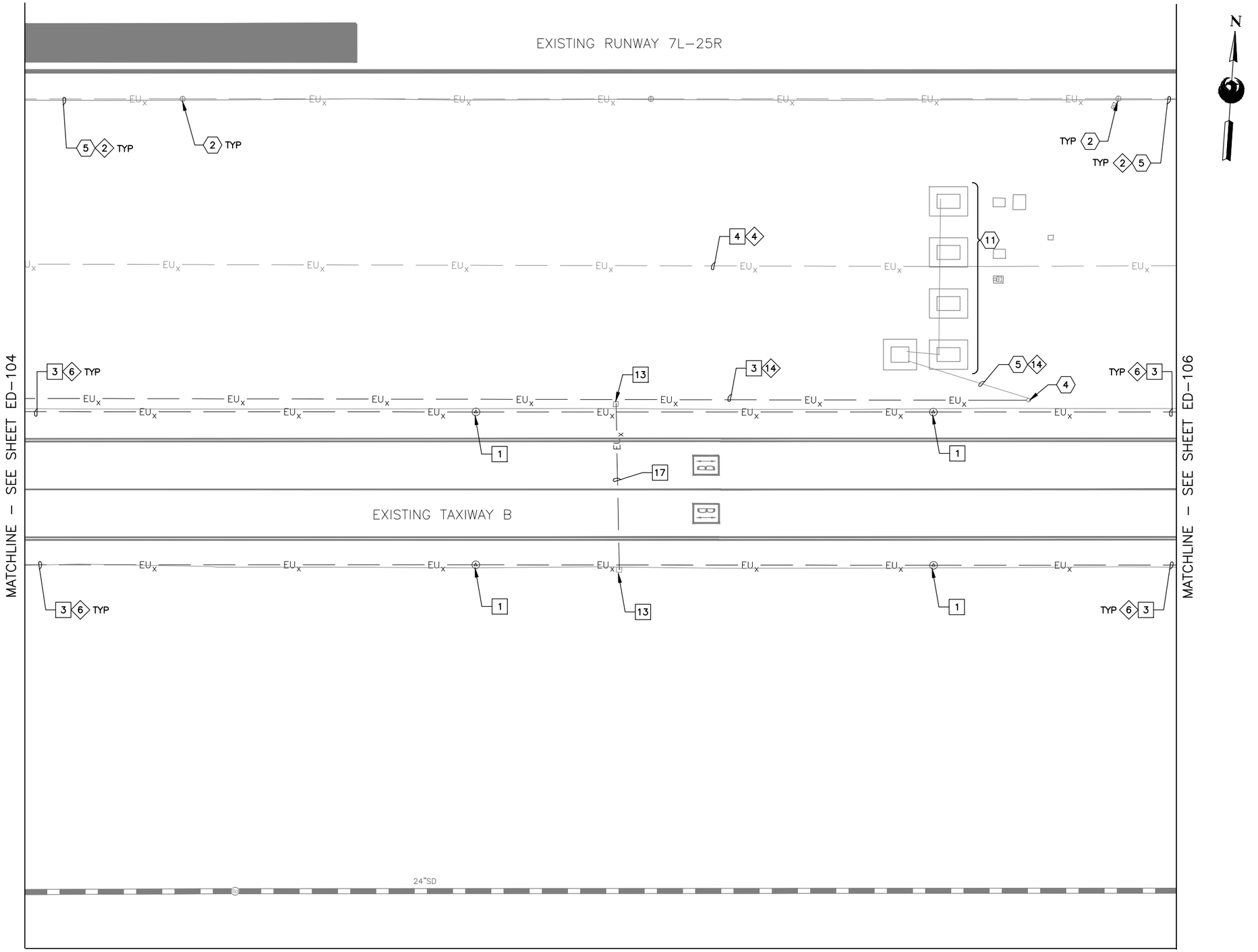
SHEET OVERVIEW TITLE

AIRFIELD ELECTRICAL
DEMOLITION PLAN

SHEET REFERENCE NUMBER:
ED-104

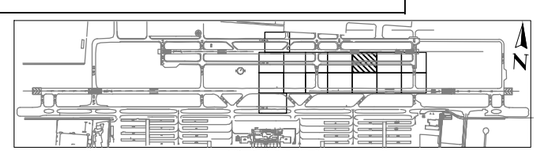
SHEET 65 OF 107

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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)



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

AIP NO.:3–04–0028–045–2023

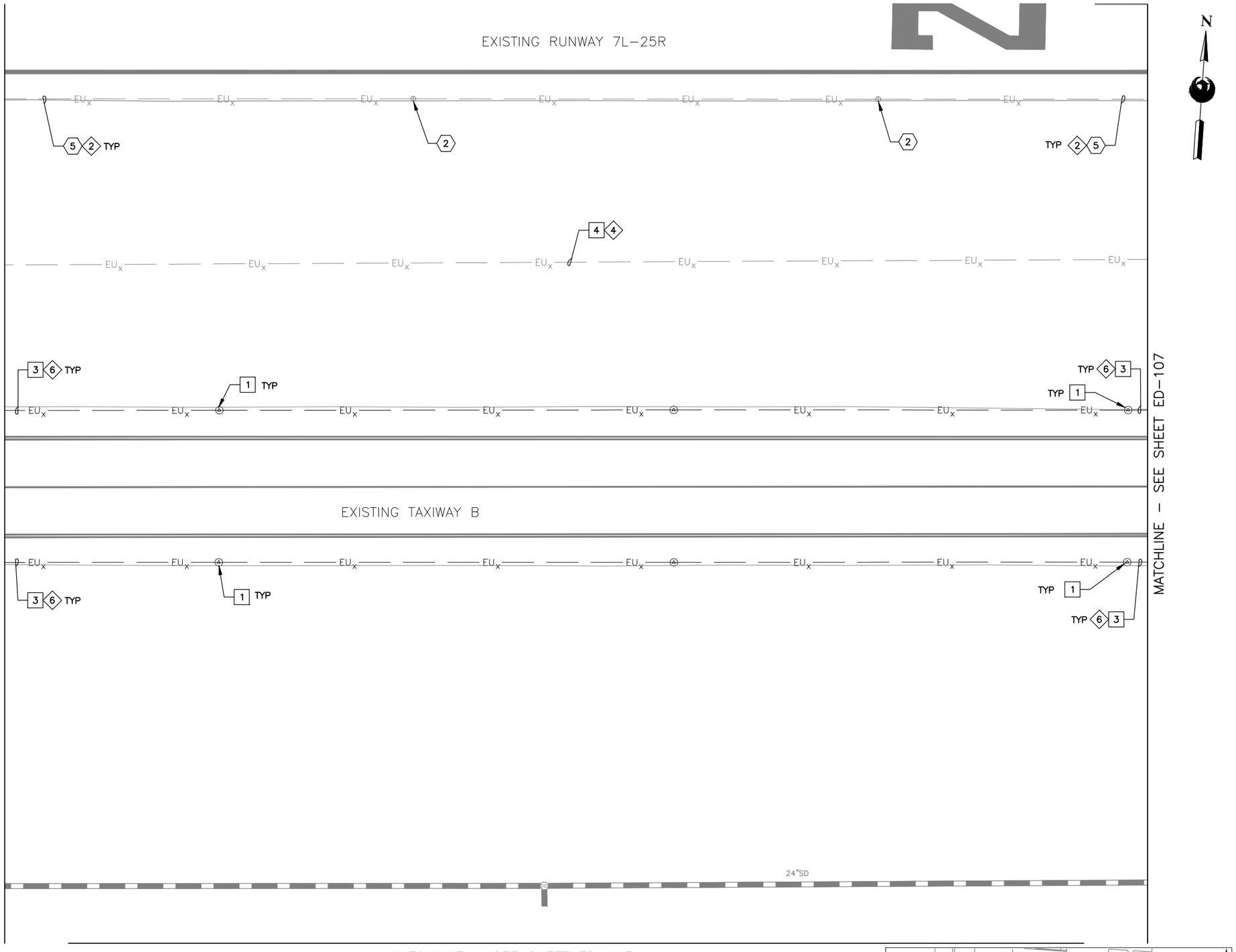
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SHEET OVERVIEW TITLE

AIRFIELD ELECTRICAL DEMOLITION PLAN

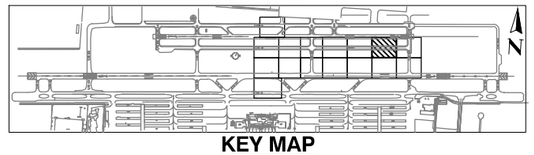
SHEET REFERENCE NUMBER:
ED-105

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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)



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 (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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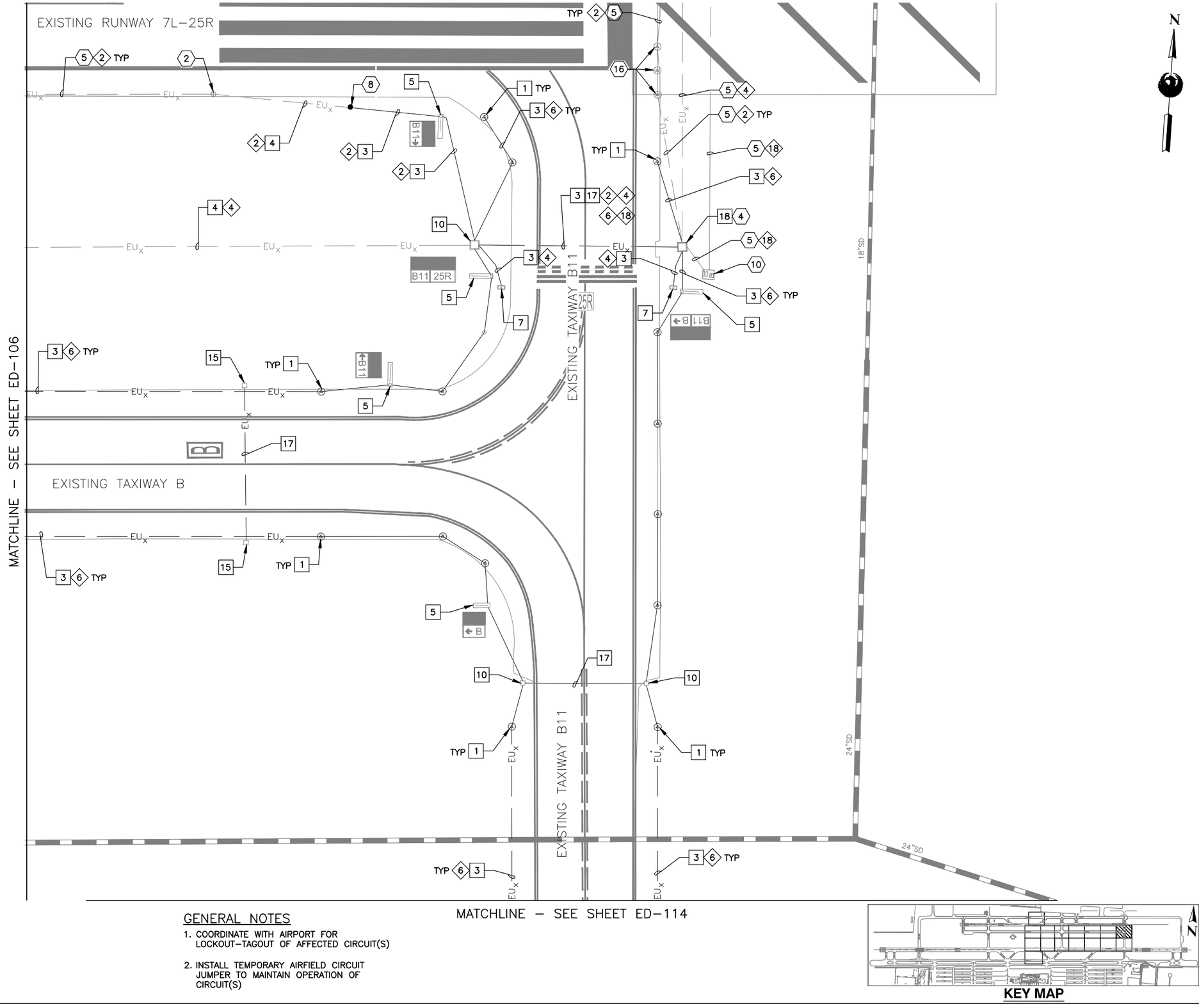
SHEET OVERVIEW TITLE

AIRFIELD ELECTRICAL DEMOLITION PLAN

SHEET REFERENCE NUMBER:
ED-106

SHEET 67 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)

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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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT

CITY OF PHOENIX AVIATION DEPARTMENT

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B6 AND B9 - GMP 1
AV31000092 FAA

AIP NO.:3–04–0028–045–2023

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SHEET OVERVIEW TITLE

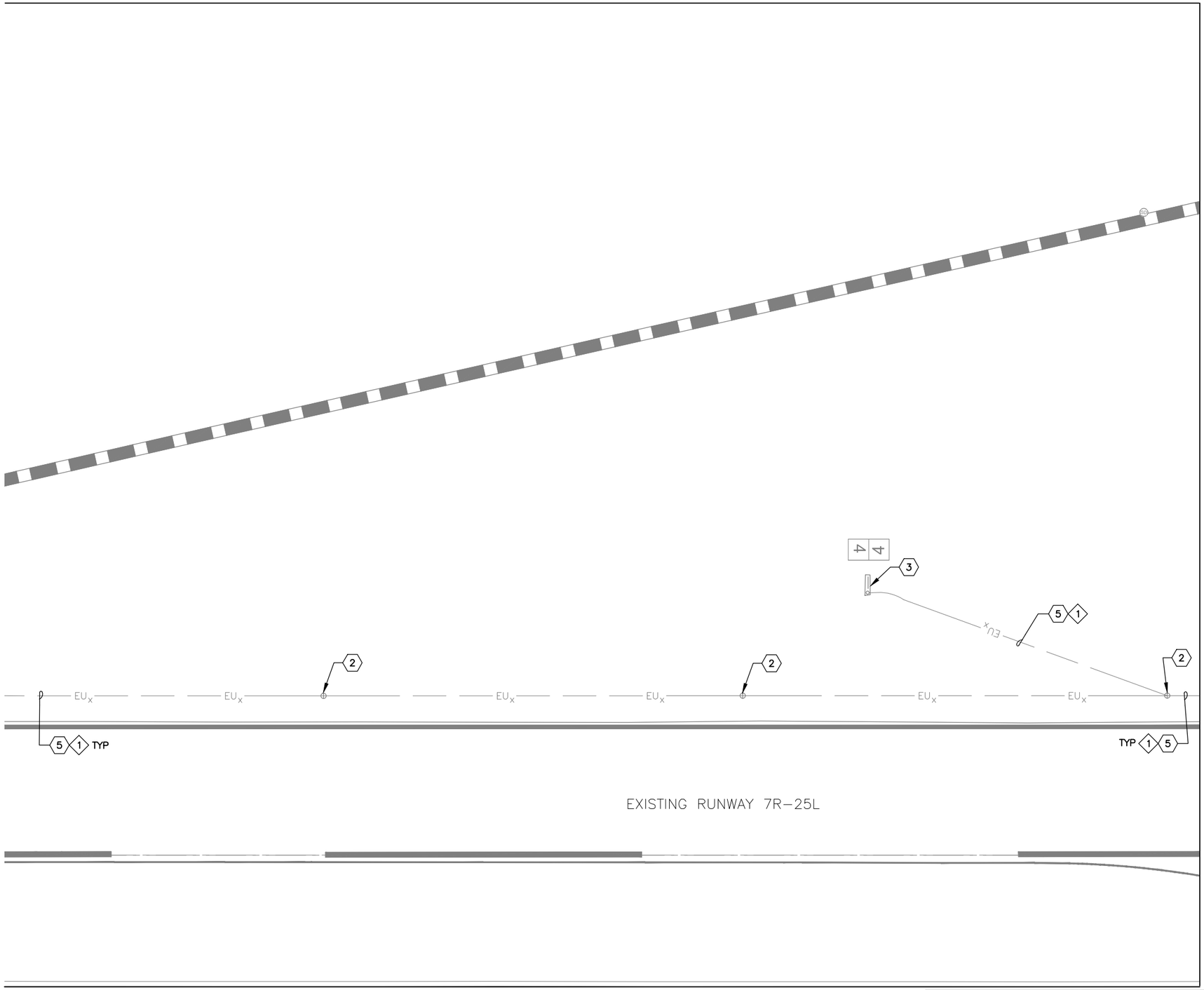
AIRFIELD ELECTRICAL DEMOLITION PLAN

SHEET REFERENCE NUMBER:
ED-107

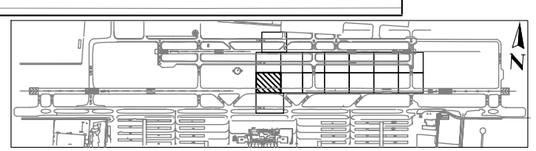
SHEET 68 OF 107

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MATCHLINE – SEE SHEET ED–101



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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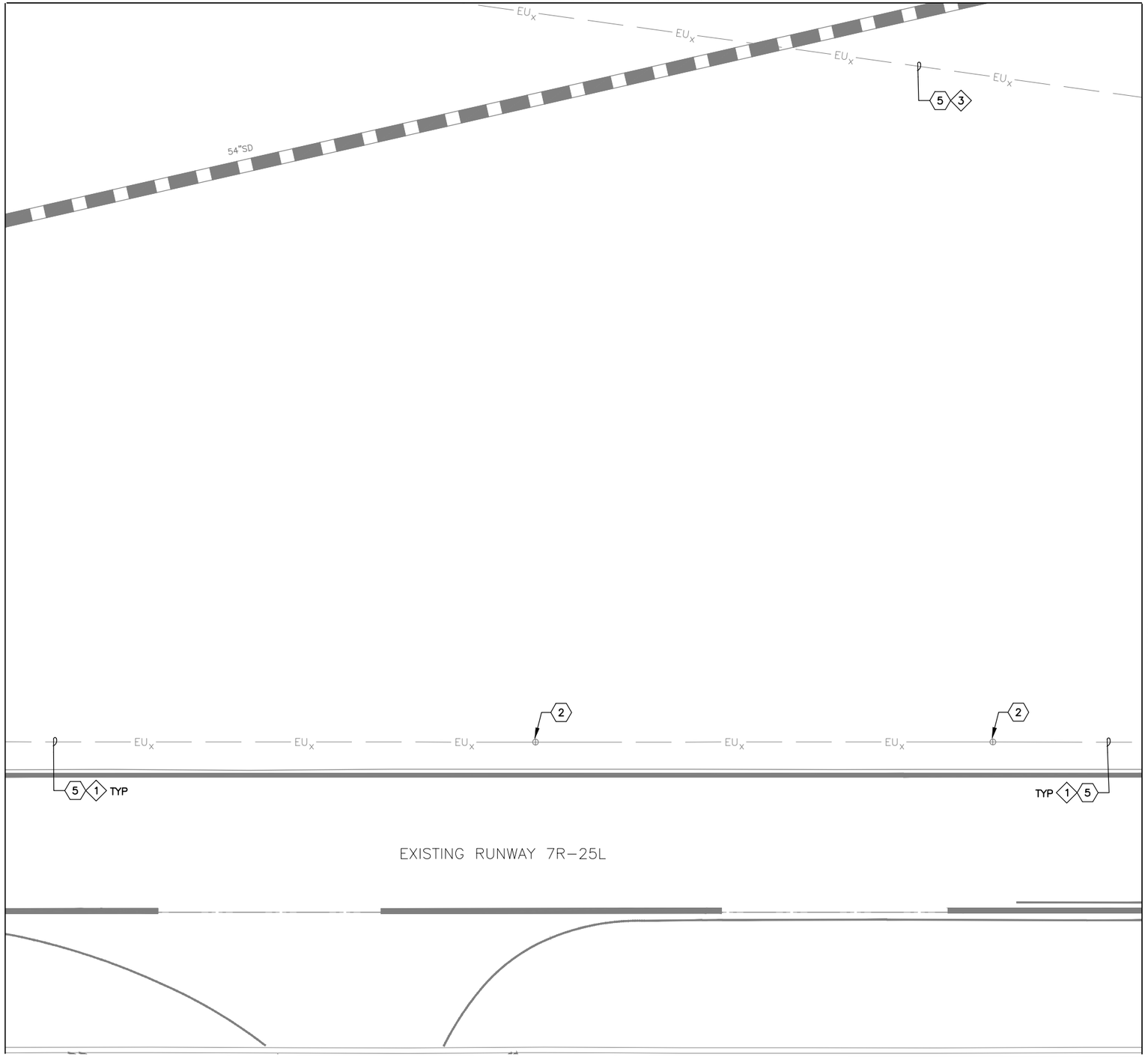
SHEET OVERVIEW TITLE

AIRFIELD ELECTRICAL DEMOLITION PLAN

SHEET REFERENCE NUMBER:
ED-108

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MATCHLINE – SEE SHEET ED–102



MATCHLINE – SEE SHEET ED–108

MATCHLINE – SEE SHEET ED–110

N

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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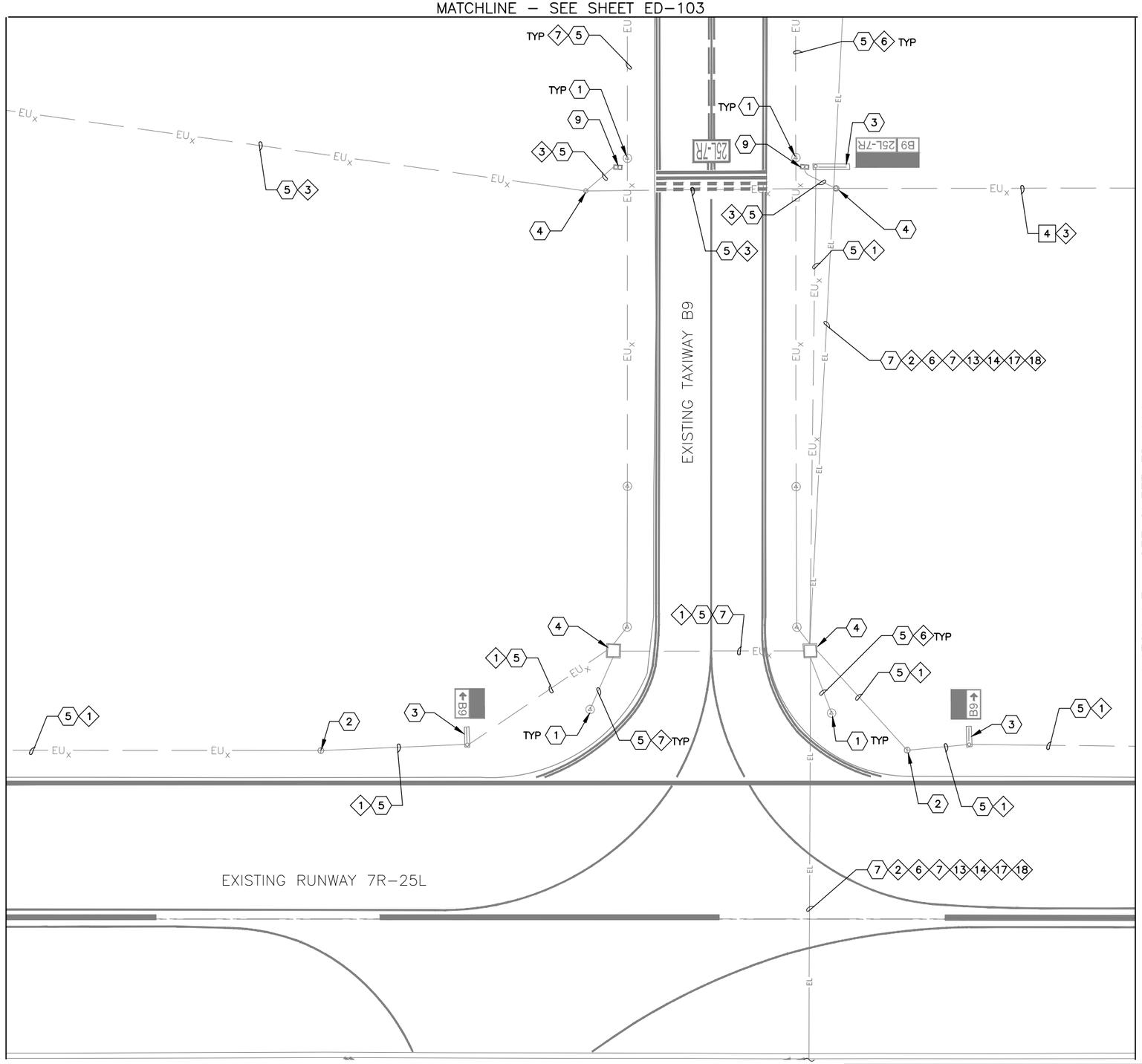
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SHEET OVERVIEW TITLE

AIRFIELD ELECTRICAL DEMOLITION PLAN

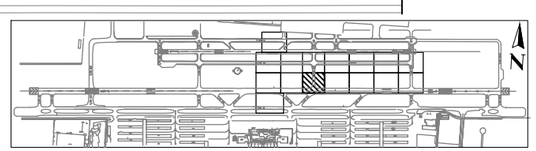
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ED-109

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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)



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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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT

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

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-110

Q:\PROJECTS\19000\19006 DVT Relocate Txy B & Construct High Speed Connectors\CAD\CAD SHEETS\ 19006 ED-101 – ED-116.dwg – Apr 05,2023 8:59am

MATCHLINE – SEE SHEET ED–104

MATCHLINE – SEE SHEET ED–110

MATCHLINE – SEE SHEET ED–112

EU$_X$

4 3

3 5

3

5 1

2

5 1 TYP

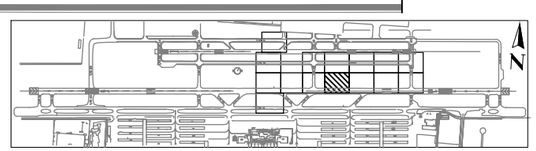
TYP 1 5

EXISTING RUNWAY 7R–25L

N

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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SHEET OVERVIEW TITLE

AIRFIELD ELECTRICAL DEMOLITION PLAN

SHEET REFERENCE NUMBER:
ED-111

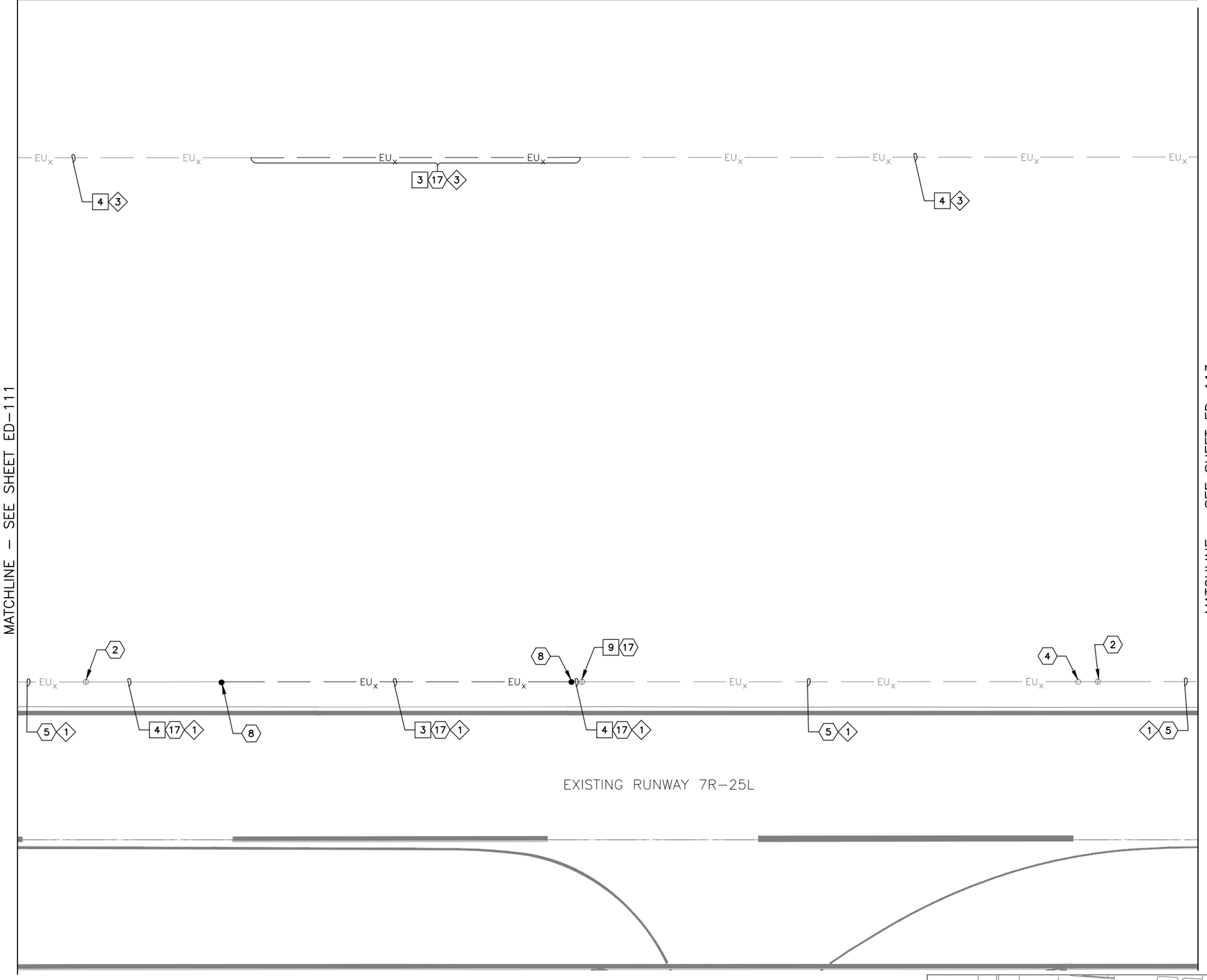
SHEET 72 OF 107

O:\PROJECTS\19000\19006_DVT Relocate Txy B & Construct High Speed Connectors\CAD\CAD SHEETS\ 19006_ED-101 – ED-116.dwg – Apr 05,2023 8:59am

MATCHLINE – SEE SHEET ED-105

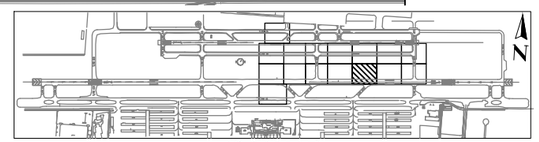
MATCHLINE – SEE SHEET ED-111

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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NO	REVISIONS / SUBMISSIONS	DATE

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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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SHEET OVERVIEW TITLE

AIRFIELD ELECTRICAL DEMOLITION PLAN

SHEET REFERENCE NUMBER:
ED-112

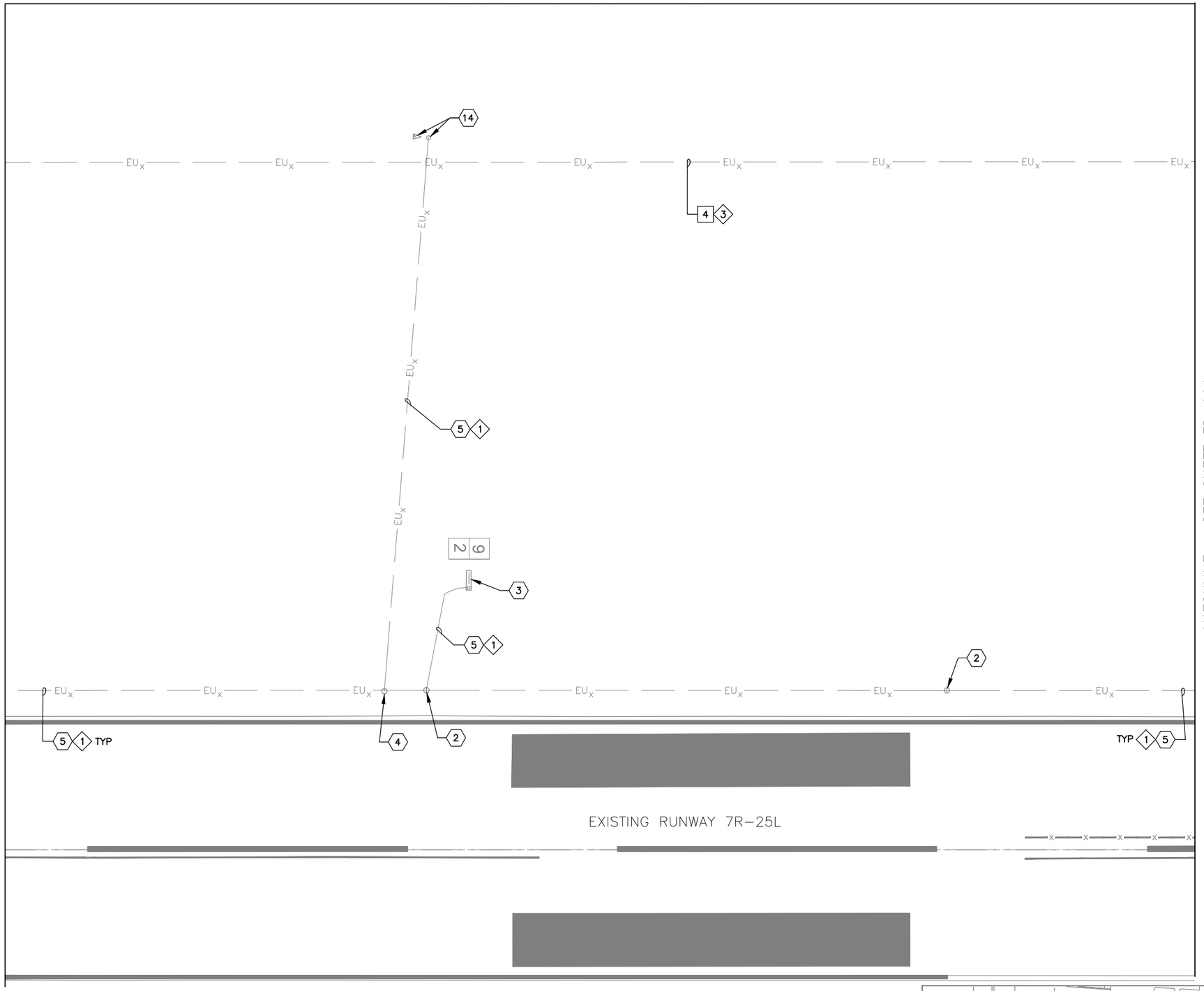
SHEET 73 OF 107

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MATCHLINE – SEE SHEET ED–106

MATCHLINE – SEE SHEET ED–112

MATCHLINE – SEE SHEET ED–114



N

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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Dwg scale: 1" = 20'

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SHEET OVERVIEW TITLE

AIRFIELD ELECTRICAL DEMOLITION PLAN

SHEET REFERENCE NUMBER:
ED-113

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MATCHLINE – SEE SHEET ED–107

MATCHLINE – SEE SHEET ED–113

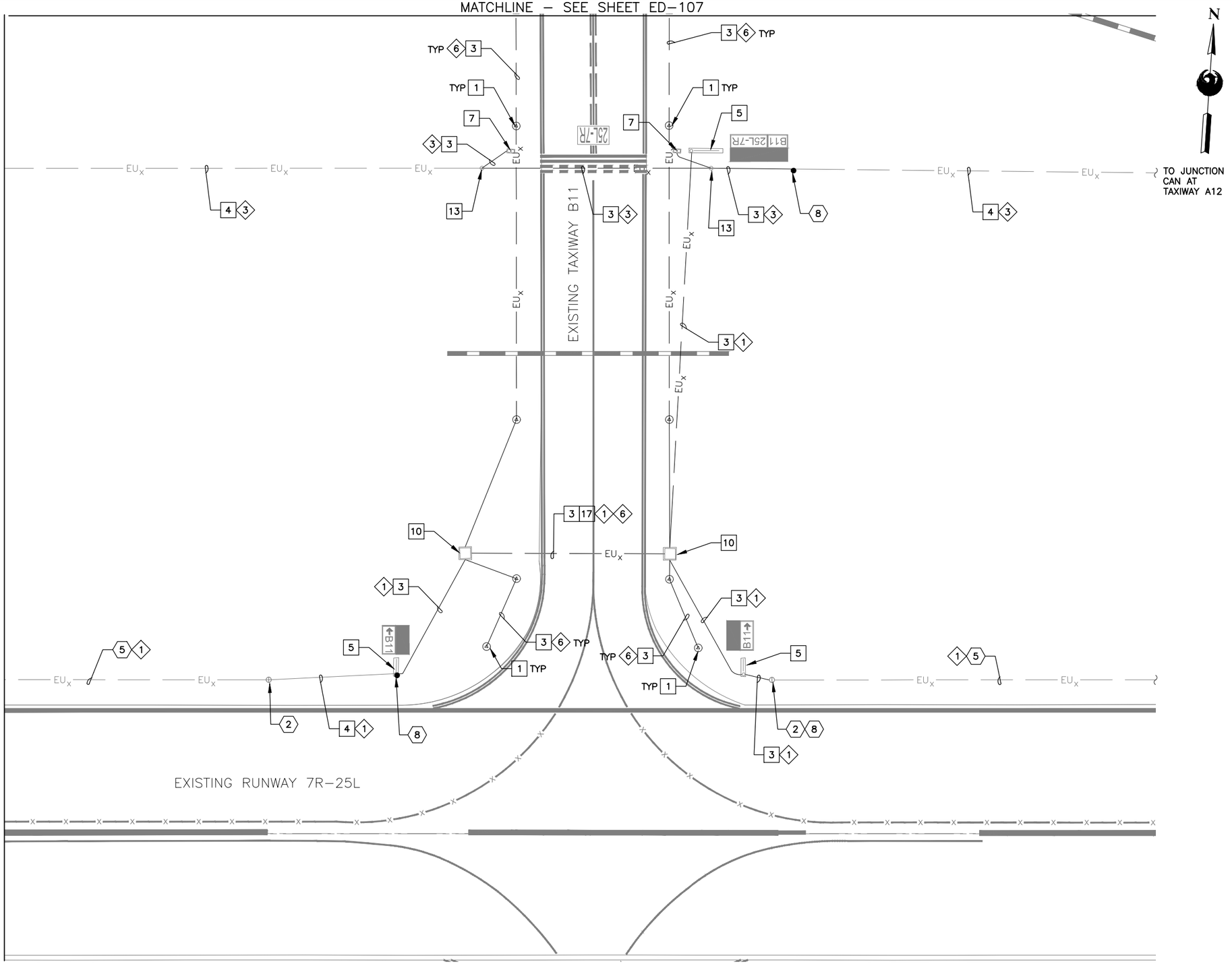
EXISTING TAXIWAY B11

EXISTING RUNWAY 7R–25L

25L-7R

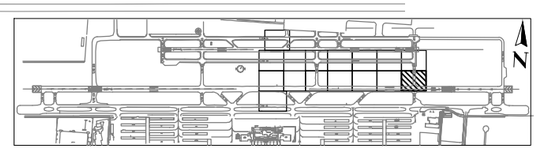
B11 25L-7R

TO JUNCTION CAN AT TAXIWAY A12



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 (8 TOTAL)
3. EXCAVATE AND REMOVE EXISTING CONDUIT AND CONDUCTOR (950 LF TOTAL)
4. REMOVE EXISTING CONDUCTOR – CONDUIT TO REMAIN (1,720 LF TOTAL)
5. REMOVE AND SALVAGE EXISTING AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER – REMOVE SIGN BASE (3 TOTAL)
7. REMOVE AND SALVAGE EXISTING RUNWAY GUARD LIGHT AND ISOLATION TRANSFORMER – REMOVE BASE CAN (2 TOTAL)
10. EXCAVATE AND REMOVE EXISTING HANDHOLE (2 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
5. EXISTING CONDUIT AND CONDUCTOR TO REMAIN – PROTECT IN PLACE
8. APPROXIMATE SPLICE POINT OF CONDUIT AND COUNTERPOISE
12. COORDINATE WITH AIRPORT FOR LOCKOUT–TAGOUT OF AFFECTED CIRCUIT(S)

CIRCUIT IDENTIFICATION

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

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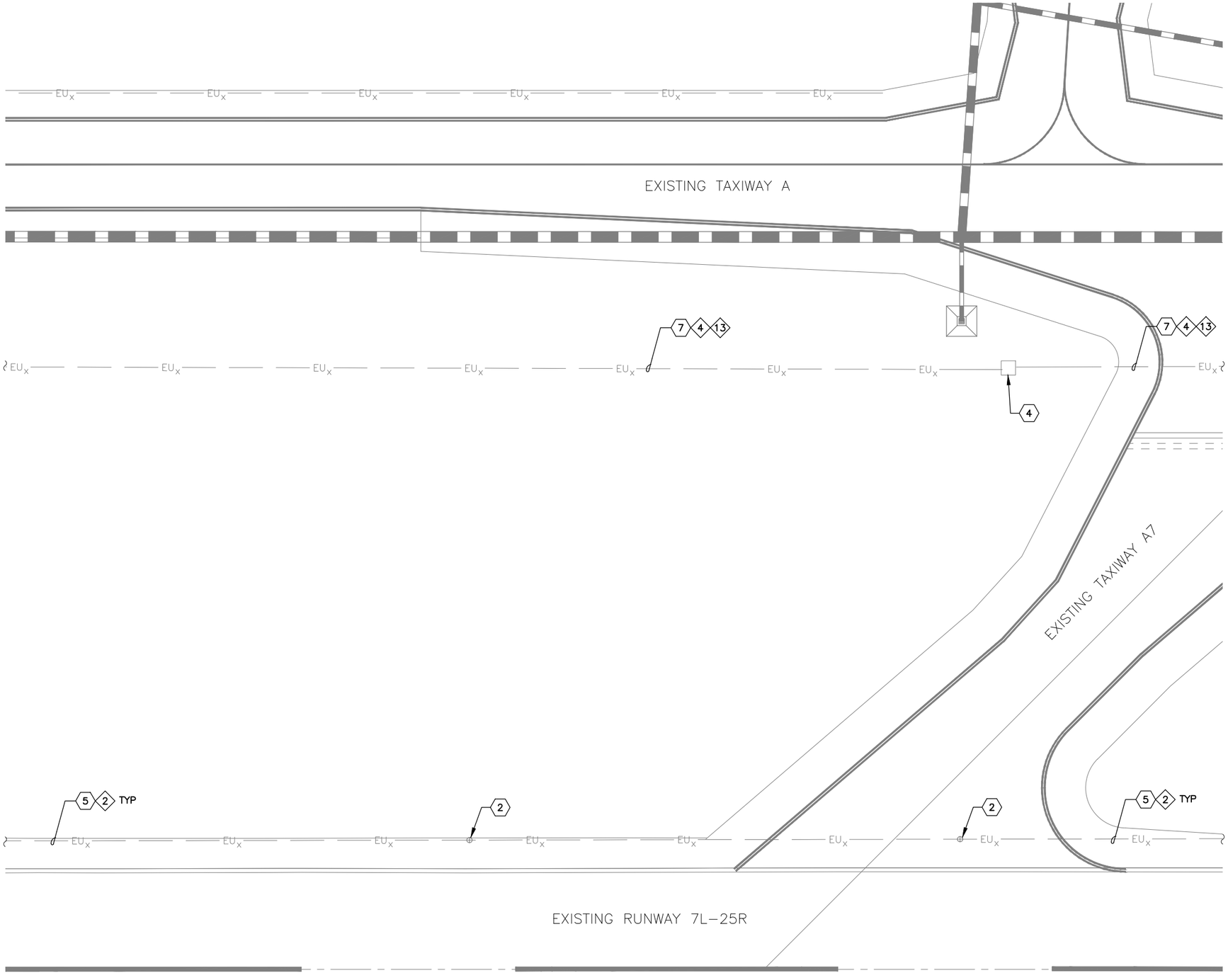
SHEET OVERVIEW TITLE

AIRFIELD ELECTRICAL DEMOLITION PLAN

SHEET REFERENCE NUMBER:
ED-114

SHEET 75 OF 107

O:\PROJECTS\19000\19006 DVT Relocate Twy B & Construct High Speed Connectors\CAD\CAD SHEETS\ 19006_ED-101 – ED-116.dwg – Apr 05,2023 9:01pm



* 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

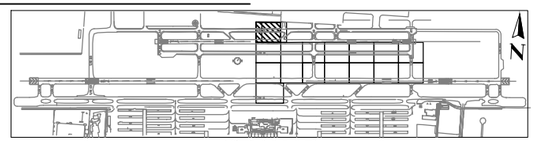
CIRCUIT IDENTIFICATION

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

MATCHLINE – SEE SHEET ED–101

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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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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Drawn by: JBW
Checked by: CA
Date: 04/05/2023
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SHEET OVERVIEW TITLE

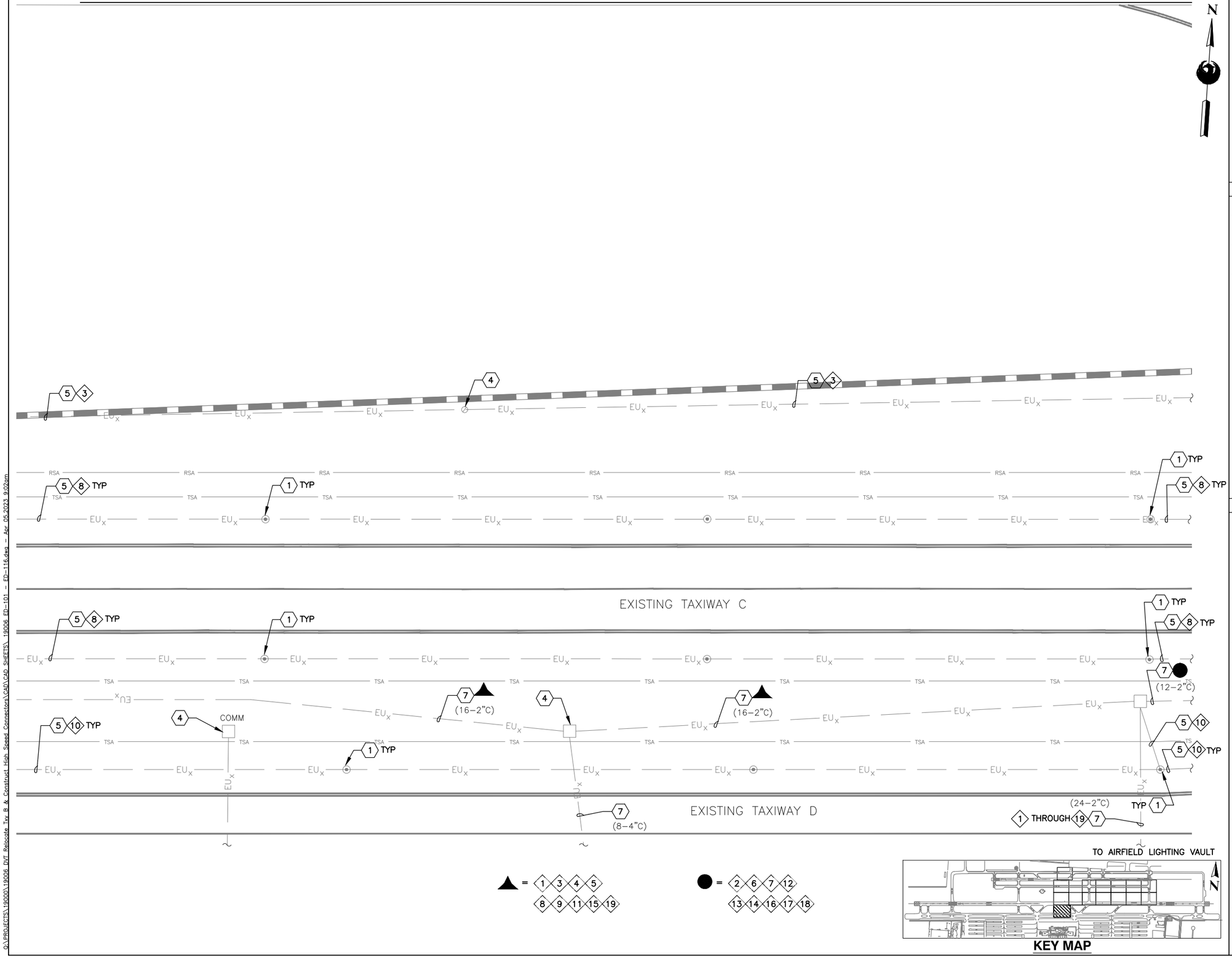
AIRFIELD ELECTRICAL DEMOLITION PLAN

SHEET REFERENCE NUMBER:
ED-115

SHEET 76 OF 107

Q:\PROJECTS\19000\19006 DVT Relocate Txy B & Construct High Speed Connectors\CAD\CAD SHEETS\ 19006 ED-101 – ED-116.dwg – Apr 05,2023 9:01pm

MATCHLINE – SEE SHEET ED–108



KEY MAP

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

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

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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NO	REVISIONS / SUBMISSIONS	DATE

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

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Drawn by: JBW
Checked by: CA
Date: 04/05/2023
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SHEET OVERVIEW TITLE
AIRFIELD ELECTRICAL DEMOLITION PLAN

SHEET REFERENCE NUMBER:
ED-116

SHEET 77 OF 107

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MATCHLINE – SEE SHEET EA–115

EXISTING RUNWAY 7L–25R

EXISTING TAXIWAY B

MATCHLINE – SEE SHEET EA–102

MATCHLINE – SEE SHEET EA–108

50+00 51+00 52+00 53+00 54–

HH–18

HH–17

TYP 5 2

TYP 2 5

TYP 5 7

TYP 7 5

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

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)

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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SHEET OVERVIEW TITLE

AIRFIELD LIGHTING AND ELECTRICAL PLAN

SHEET REFERENCE NUMBER:
EA-101

SHEET 78 OF 107

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MATCHLINE – SEE SHEET EA–115

EXISTING RUNWAY 7L–25R

EXISTING TAXIWAY B

MATCHLINE – SEE SHEET EA–101

MATCHLINE – SEE SHEET EA–103

MATCHLINE – SEE SHEET EA–109

55+00 56+00 57+00

N

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

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

KEY MAP

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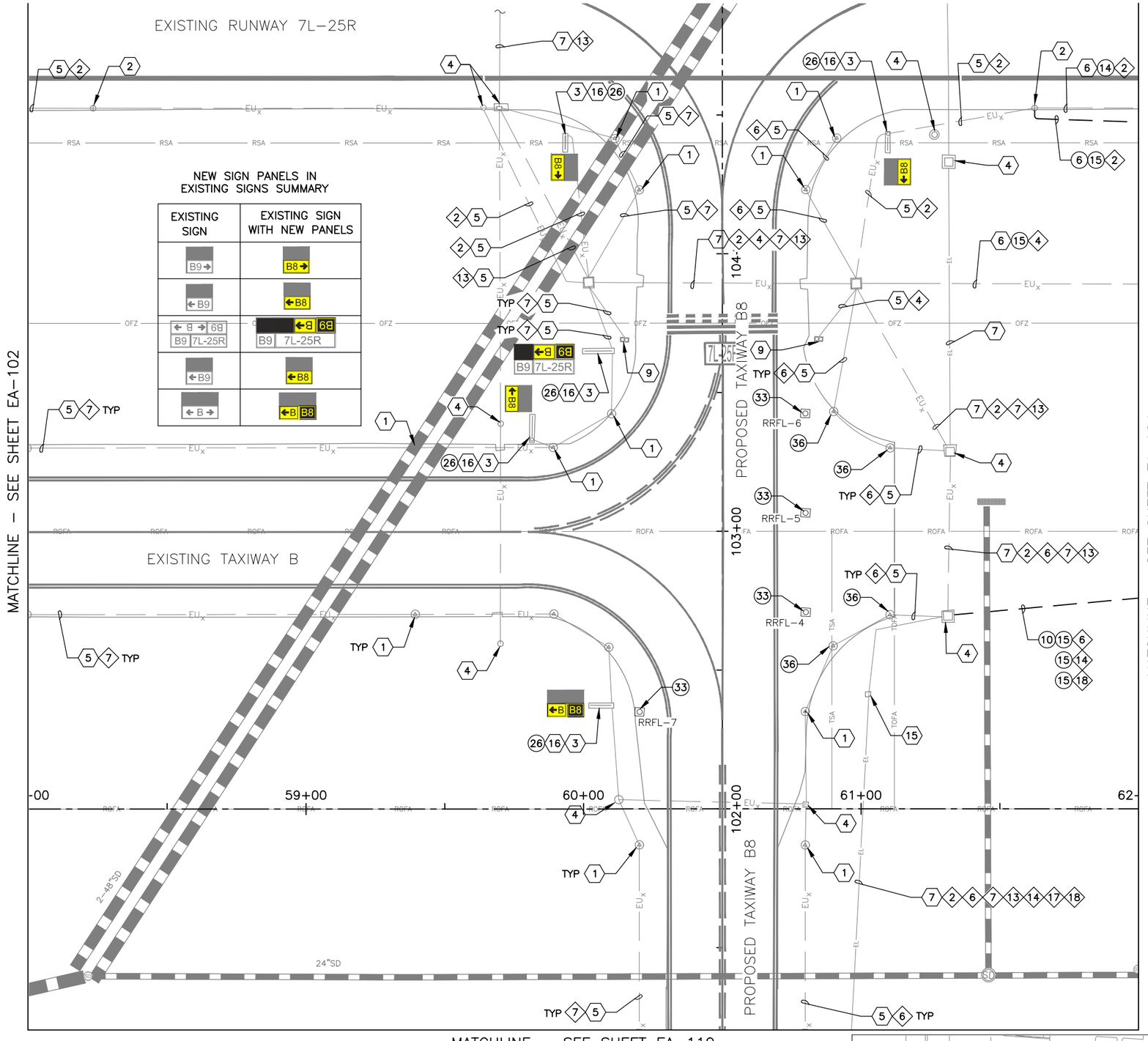
Designed by:	SW
Drawn by:	JBW
Checked by:	CA
Date:	04/05/2023
Dwg scale:	1" = 20'

SHEET OVERVIEW TITLE

AIRFIELD LIGHTING AND ELECTRICAL PLAN

SHEET REFERENCE NUMBER:
EA-102

Q:\PROJECTS\19000\19006 DVT Relocate Txy B & Construct High Speed Connectors\CAD\CAD SHEETS\ 19006 EA-101 – EA-116.dwg – Apr 05,2023 9:24am



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

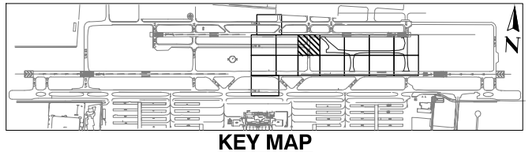
(17) REIL 7L

(18) REIL 25R

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



PRIME CONSULTANT
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1011 E. Jefferson St. | Suite 3 | Phoenix, AZ 85034

SUB CONSULTANT
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16719 East Palisades Blvd., Suite 202
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www.cretg.com

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT

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

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

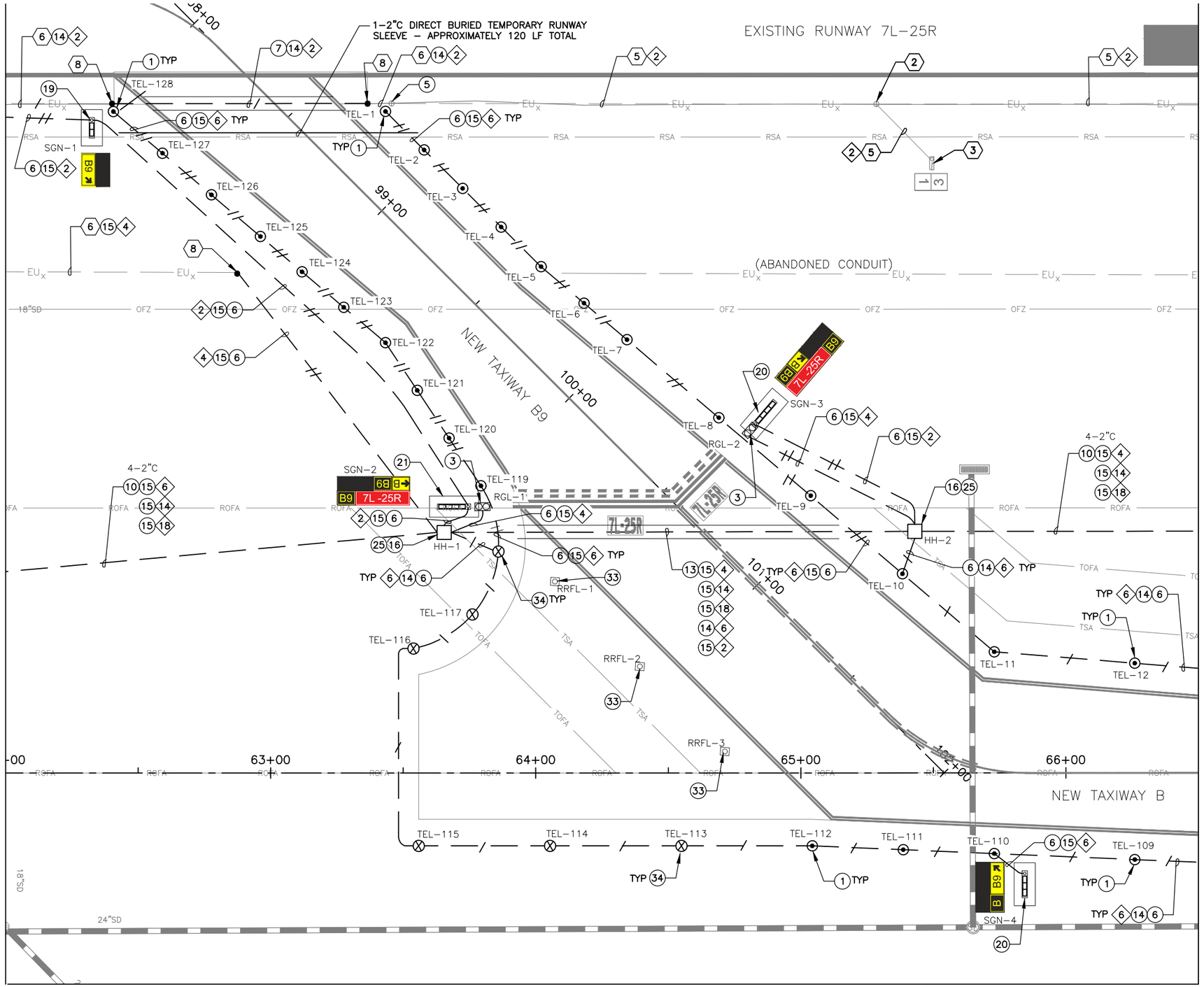
SHEET OVERVIEW TITLE

AIRFIELD LIGHTING AND ELECTRICAL PLAN

SHEET REFERENCE NUMBER:
EA-103

SHEET 80 OF 107

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



CONSTRUCTION NOTES

1. INSTALL NEW ELEVATED LED L–861T(L) TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER ON NEW L–867 BASE CAN. (26 TOTAL)
3. INSTALL NEW ELEVATED L–804(L) LED RUNWAY GUARD LIGHT AND ISOLATION TRANSFORMER ON NEW L–867 BASE CAN. (2 TOTAL)
5. INSTALL SALVAGED ELEVATED RUNWAY EDGE LIGHT AND ISOLATION TRANSFORMER ON EXISTING L–867 BASE CAN. (1 TOTAL)
6. 1–2"C SE (1,670 LF TOTAL)
7. 1–2"C CE (100 LF TOTAL)
10. 4–2"C SE (270 LF TOTAL)
13. 6–2"C CE (175 LF TOTAL)
14. 1/C, #8–5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (1,120 LF TOTAL)
15. 2/C, #8–5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (3,165 LF TOTAL)
16. NEW 4'x4'x4' HANDHOLE WITH AIRCRAFT RATED LID (2 TOTAL)
19. 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)
20. 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)
21. 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)
25. INSTALL NEW RGL ISOLATION CONDUITS IN NEW OR EXISTING HANDHOLE (2 TOTAL)
33. NEW L–853 RETROREFLECTIVE TAXIWAY EDGE MARKER (3 TOTAL)
34. NEW L–867 BASE CAN WITH COVER (6 TOTAL)

REFERENCE NOTES

2. EXISTING RUNWAY EDGE LIGHT
3. EXISTING AIRFIELD GUIDANCE SIGN
5. EXISTING CONDUIT AND CONDUCTOR
6. EXISTING CONDUIT
8. 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

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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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT
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

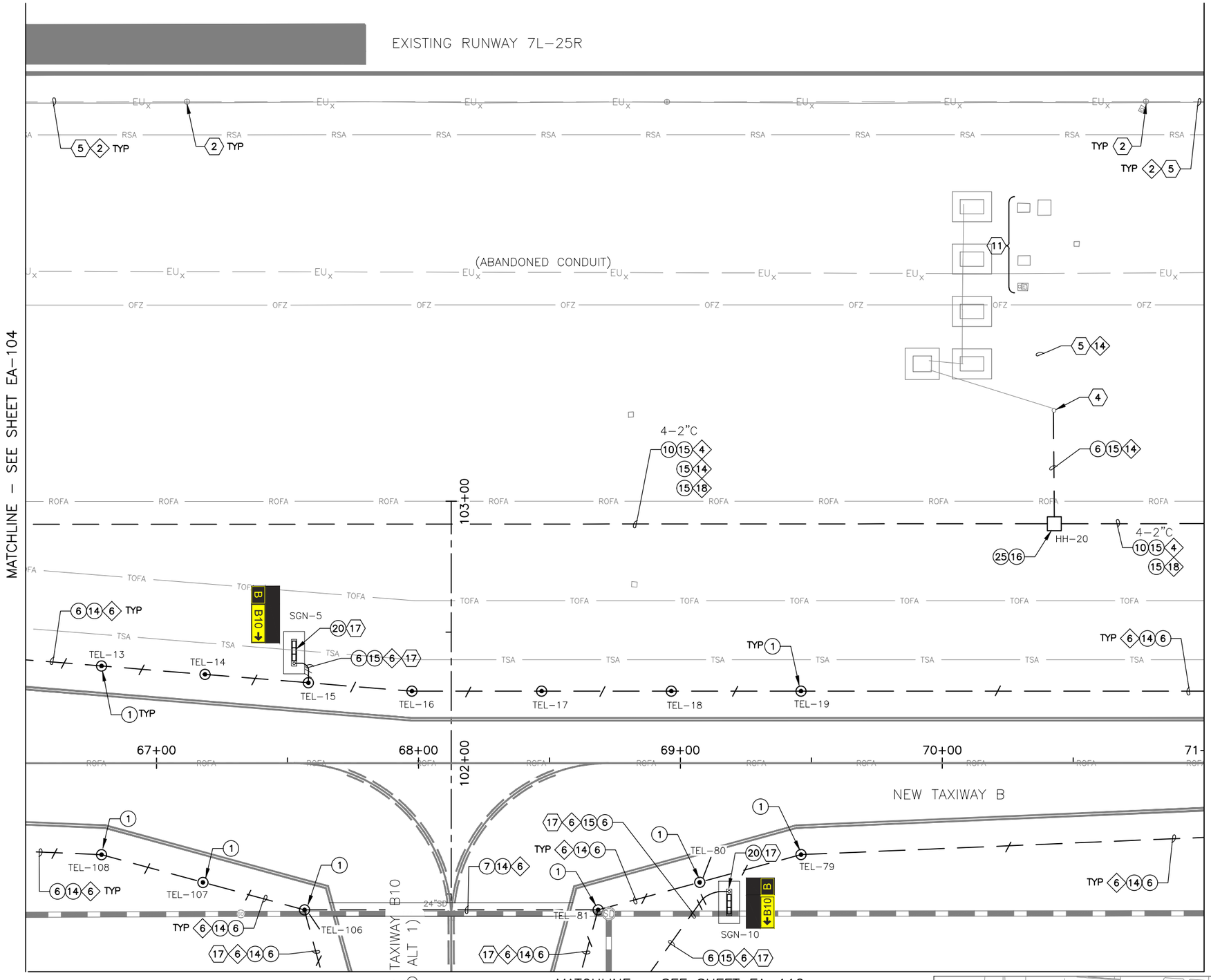
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Date: 04/05/2023
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SHEET OVERVIEW TITLE
AIRFIELD LIGHTING AND ELECTRICAL PLAN

SHEET REFERENCE NUMBER:
EA-104

SHEET 81 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)



KEY MAP

CONSTRUCTION NOTES

(1) INSTALL NEW ELEVATED LED L–861T(L) TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER ON NEW L–867 BASE CAN. (13 TOTAL)

(6) 1–2"C SE
(845 LF TOTAL – BASE BID)
(115 LF TOTAL – ADD ALT 1)

(7) 1–2"C CE (115 LF TOTAL)

(10) 4–2"C SE (450 LF TOTAL)

(14) 1/C, #8–5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND
(1,045 LF TOTAL – BASE BID)
(60 LF TOTAL – ADD ALT)

(15) 2/C, #8–5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND
(1,430 LF TOTAL – BASE BID)
(80 LF TOTAL – ADD ALT 1)

(16) NEW 4'x4'x4' HANDHOLE WITH AIRCRAFT RATED LID (1 TOTAL)

(20) 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)

(25) INSTALL NEW RGL ISOLATION CONDUITS IN NEW OR EXISTING HANDHOLE (1 TOTAL)

REFERENCE NOTES

(2) EXISTING RUNWAY EDGE LIGHT
(4) EXISTING HANDHOLE OR JUNCTION CAN
(5) EXISTING CONDUIT AND CONDUCTOR
(11) EXISTING PAPI
(17) WORK ASSOCIATED WITH ADD ALT 1

CIRCUIT IDENTIFICATION

(2) RW 7L/25R
(4) RGL 7L
(6) TAXIWAY B EAST
(14) PAPI 25R
(18) 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

AIP NO.:3–04–0028–045–2023

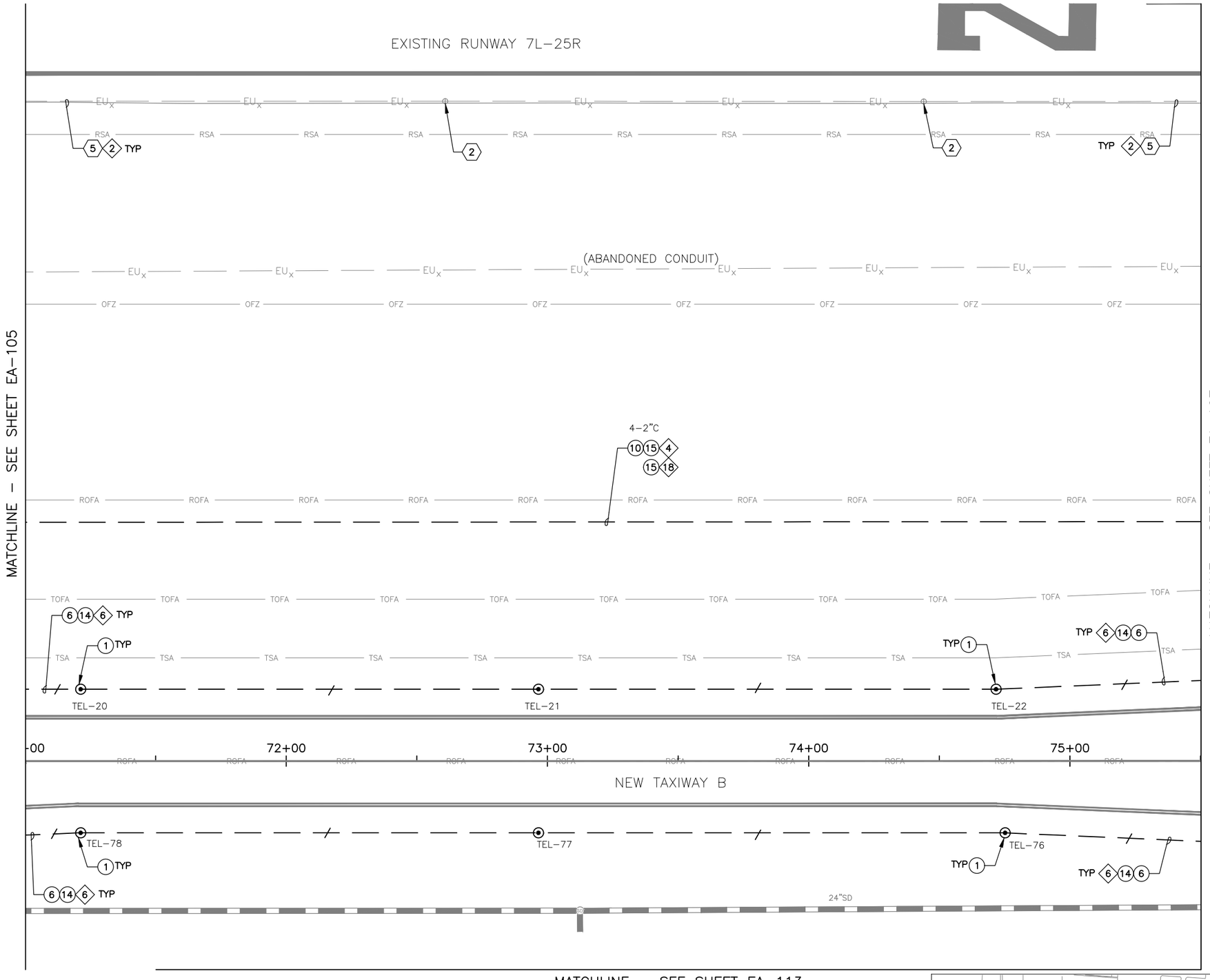
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SHEET OVERVIEW TITLE
AIRFIELD LIGHTING AND ELECTRICAL PLAN

SHEET REFERENCE NUMBER:
EA-105

SHEET 82 OF 107

Q:\PROJECTS\19000\19006 DVT Relocate Tax B & Construct High Speed Connectors\CAD\CAD SHEETS\ 19006 EA-101 – EA-116.dwg – Apr 05,2023 9:09am



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

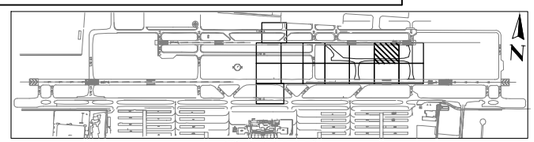
2. EXISTING RUNWAY EDGE LIGHT
5. EXISTING CONDUIT AND CONDUCTOR

CIRCUIT IDENTIFICATION

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

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

PRIME CONSULTANT: TRACE CONSULTING, 1011 E. Jefferson St. | Suite 3 | Phoenix, AZ 85034

SUB CONSULTANT: CRJ engineers, 16719 East Palisades Blvd., Suite 202, Fountain Hills, AZ 85268, Phone: (480) 816-5541, Fax: (480) 816-5540, www.crjeng.com

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT

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

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-106

SHEET 83 OF 107

Q:\PROJECTS\19000\19006 DVT Relocate Twy B & Construct High Speed Connectors\CAD\CAD SHEETS\ 19006 EA–101 – EA–116.dwg – Apr. 05,2023, 9:12am

EXISTING RUNWAY 7L–25R

1–2"C DIRECT BURIED TEMPORARY RUNWAY SLEEVE – APPROXIMATELY 110 LF TOTAL

(ABANDONED CONDUIT)

NEW TAXIWAY B11

NEW TAXIWAY B

MATCHLINE – SEE SHEET EA–106

MATCHLINE – SEE SHEET EA–114

104+00 103+00 102+00 76+00 77+00 78+00 78+68

TEL–23 TEL–24 TEL–25 TEL–26 TEL–27 TEL–28 TEL–29 TEL–30 TEL–31 TEL–32 TEL–33 TEL–34 TEL–35 TEL–36 TEL–37 TEL–38 TEL–39 TEL–40 TEL–41 TEL–42 TEL–43 TEL–44 TEL–45 TEL–46 TEL–47 TEL–72 TEL–73 TEL–74 TEL–75

RGL–7 RGL–8

HH–7 HH–8

SGN–11 SGN–15 SGN–16 SGN–17 SGN–18 SGN–19

B11 7L-25R

25R

RSA OFZ TOFA TSA ROFA EU$_x$

18"SD 24"SD 7.5U

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)

** SIGN MESSAGE:

VFR WESTBOUND DEPARTS
CONTACT LUKE APPROACH
CONTROL 118.15

KEY MAP

CONSTRUCTION NOTES

1. INSTALL NEW ELEVATED LED L–861T(L) TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER ON NEW L–867 BASE CAN. (29 TOTAL)
4. INSTALL SALVAGED ELEVATED L–804(L) LED RUNWAY GUARD LIGHT AND ISOLATION TRANSFORMER ON NEW L–867 BASE CAN. (2 TOTAL)
6. 1–2"C SE (1,310 LF TOTAL)
10. 4–2"C SE (265 LF TOTAL)
13. 6–2"C CE (115 LF TOTAL)
14. 1/C, #8–5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (1,495 LF TOTAL)
15. 2/C, #8–5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (1,655 LF TOTAL)
16. NEW 4'x4'x4' HANDHOLE WITH AIRCRAFT RATED LID (3 TOTAL)
18. INSTALL NEW LID ON EXISTING HANDHOLE STRUCTURE (1 TOTAL)
19. 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)
21. 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)
22. 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)
25. INSTALL NEW RGL ISOLATION CONDUITS IN NEW OR EXISTING HANDHOLE (3 TOTAL)

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
10. EXISTING REIL
16. EXISTING RUNWAY THRESHOLD/END LIGHT

CIRCUIT IDENTIFICATION

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

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYPASS

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

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 04/05/2023
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SHEET OVERVIEW TITLE

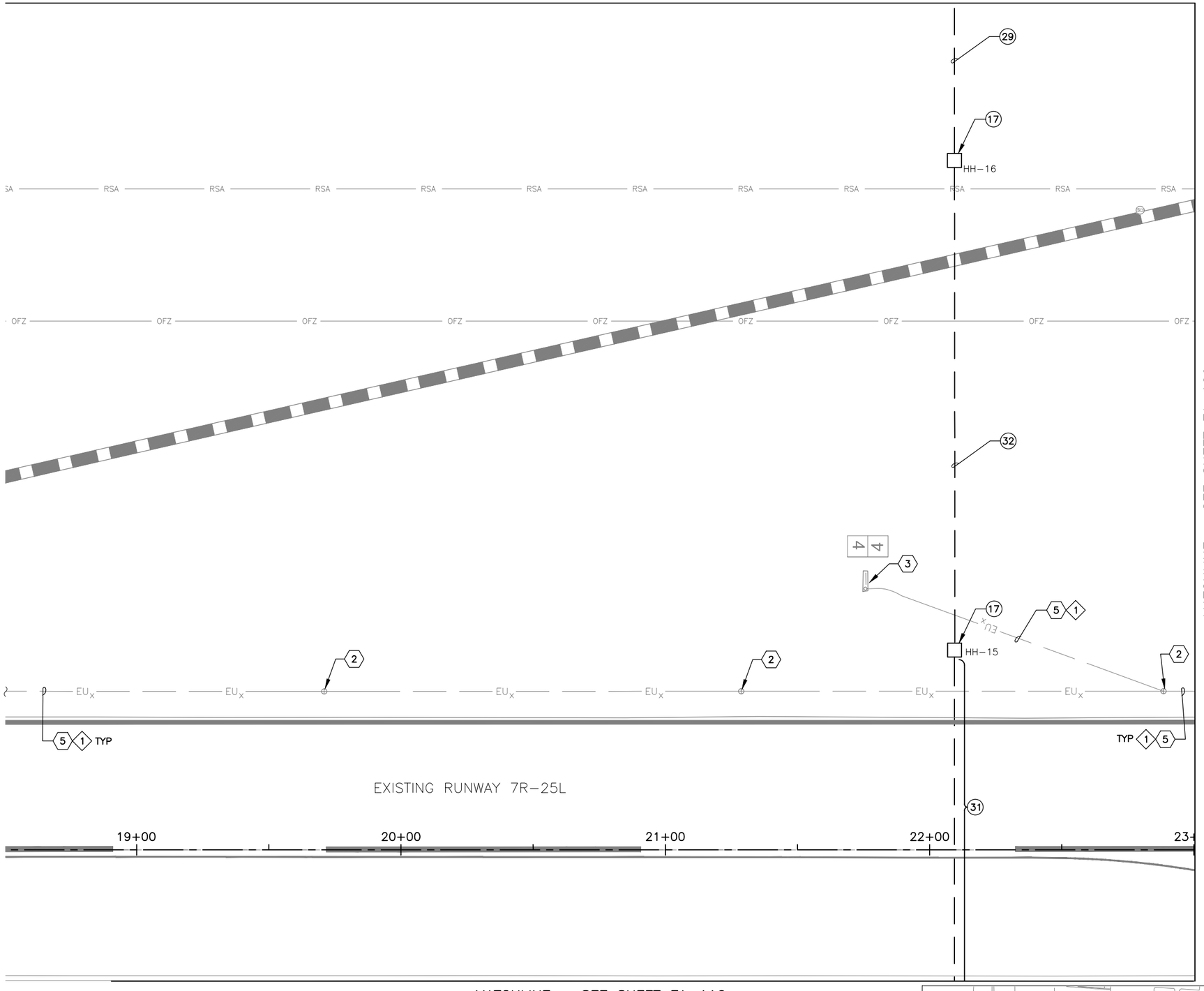
AIRFIELD LIGHTING AND ELECTRICAL PLAN

SHEET REFERENCE NUMBER: EA-107

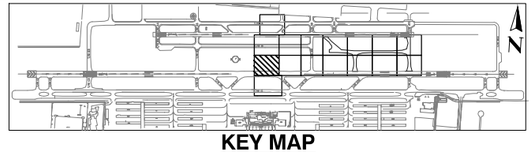
SHEET 84 OF 107

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MATCHLINE – SEE SHEET EA–101



MATCHLINE – SEE SHEET EA–116



KEY MAP

CONSTRUCTION NOTES

(17) NEW 4'x4'x5' HANDHOLE WITH AIRCRAFT RATED LID (2 TOTAL)

(29) NEW 10–2"C SE (60 LF TOTAL)

(31) NEW 16–2"C (HDPE) DIRECTIONAL BORE (125 LF TOTAL)

(32) NEW 16–2"C 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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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

AIP NO.:3–04–0028–045–2023

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SHEET OVERVIEW TITLE

AIRFIELD LIGHTING AND ELECTRICAL PLAN

SHEET REFERENCE NUMBER:
EA-108

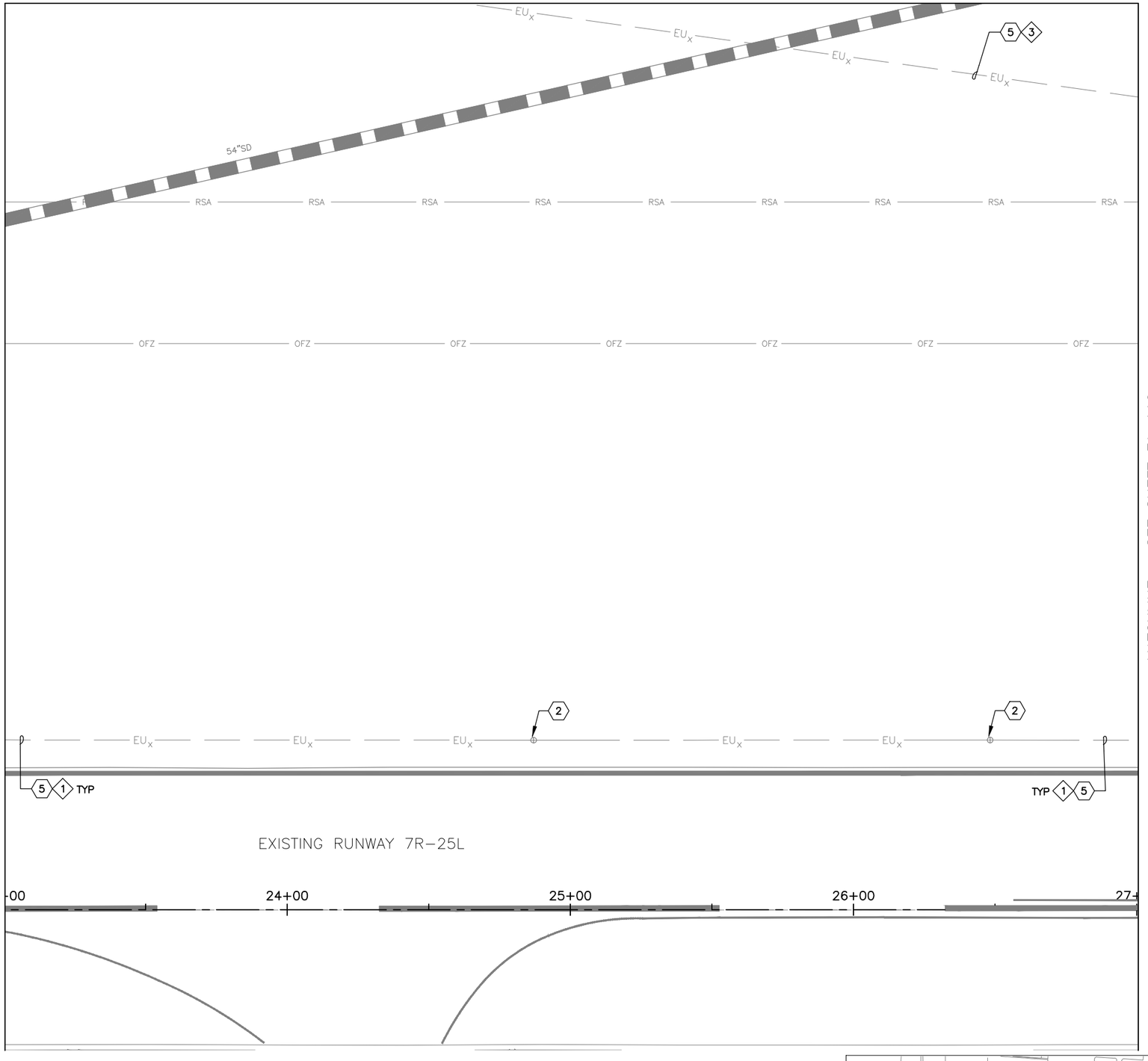
SHEET 85 OF 107

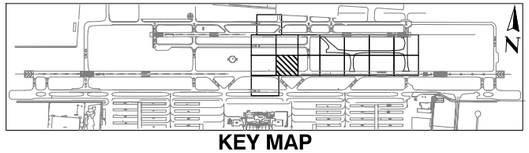
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MATCHLINE – SEE SHEET EA–102

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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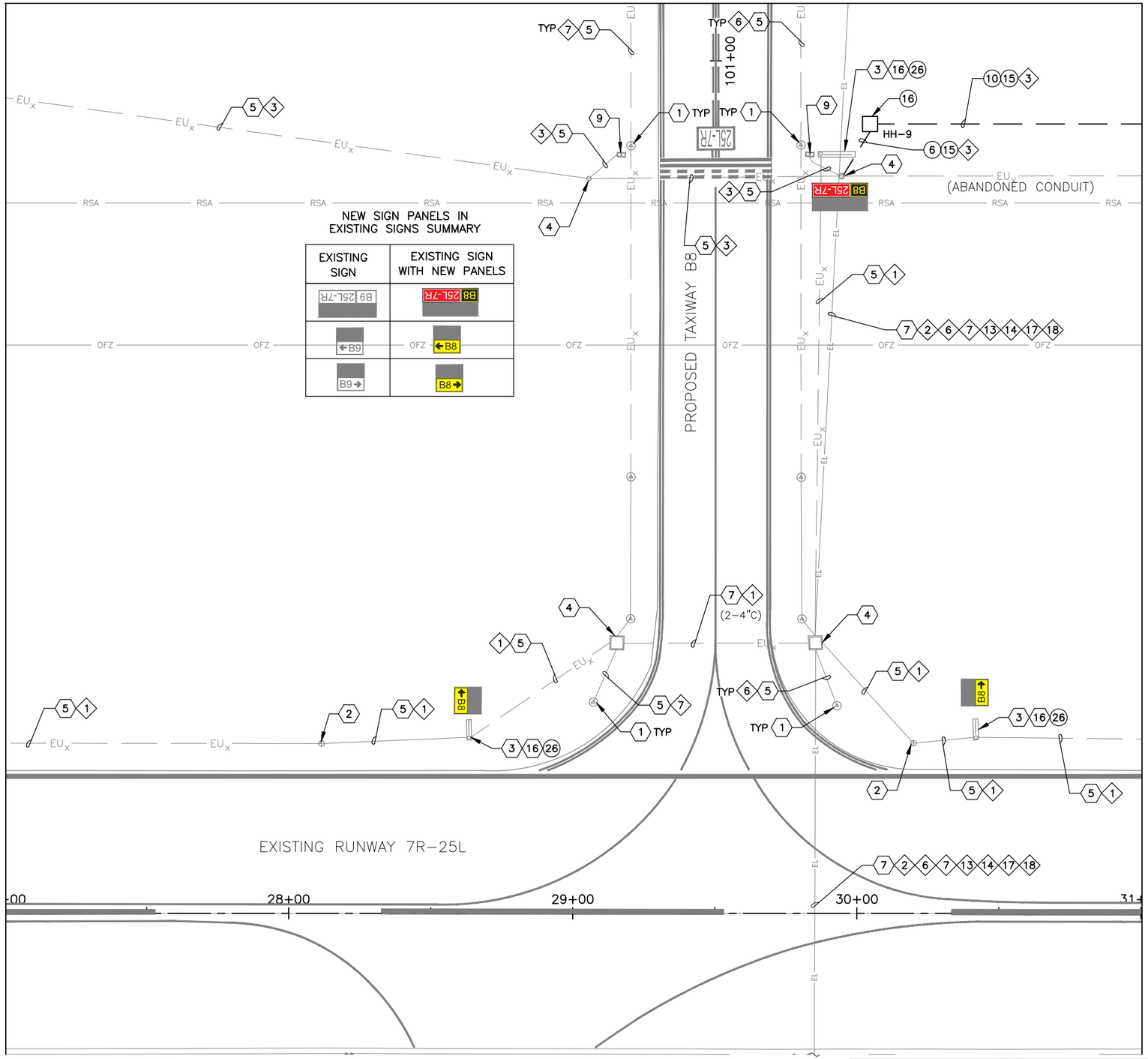
SHEET REFERENCE NUMBER:
EA-109

O:\PROJECTS\19000\19006 DVT Relocate Txy B & Construct High Speed Connectors\CAD\CAD SHEETS\ 19006 EA–101 – EA–116.dwg – Apr 05,2023 9:14am

MATCHLINE – SEE SHEET EA–103

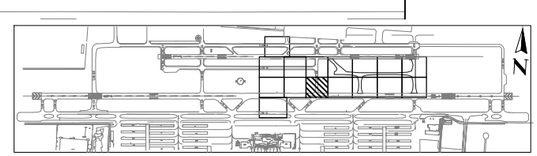
MATCHLINE – SEE SHEET EA–109

MATCHLINE – SEE SHEET EA–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

CONSTRUCTION NOTES

(6) 1–2"C SE (20 LF TOTAL)

(10) 4–2"C SE (95 LF TOTAL)

(15) 1/C, #8–5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (150 LF TOTAL)

(16) NEW 4'x4'x4' HANDHOLE WITH AIRCRAFT RATED LID (1 TOTAL)

(26) INSTALL NEW SIZE 1 SIGN PANELS IN EXISTING SIGN (12 TOTAL) – ADD ALT 1

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

(7) EXISTING DUCTBANK

(9) EXISTING ELEVATED RGL FIXTURE

(16) 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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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

AIP NO.:3–04–0028–045–2023

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-110

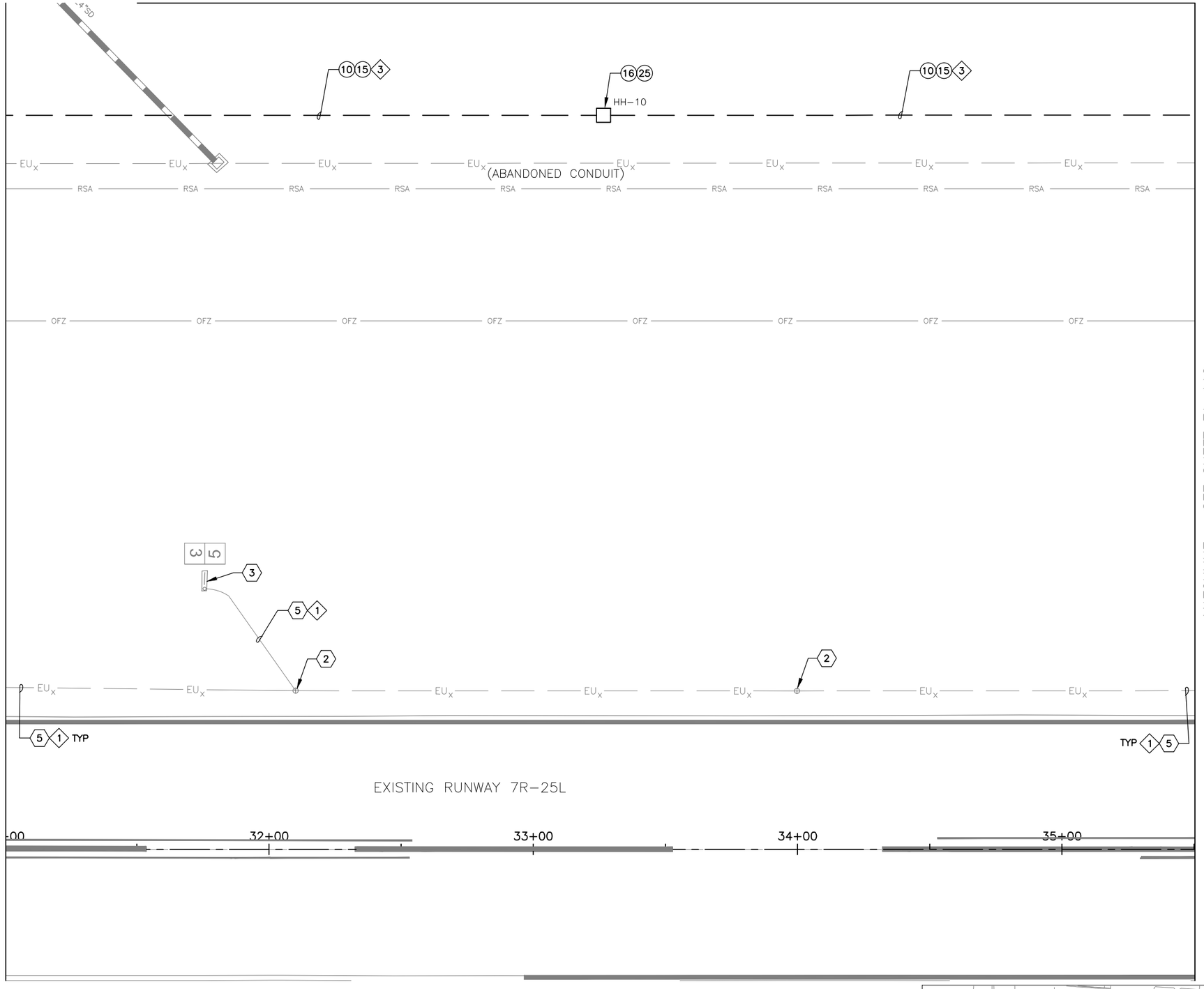
SHEET 87 OF 107

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MATCHLINE – SEE SHEET EA–104

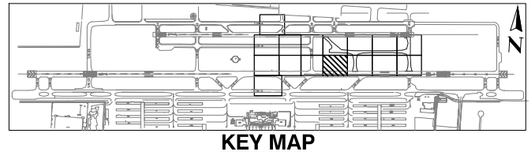
MATCHLINE – SEE SHEET EA–110

MATCHLINE – SEE SHEET EA–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

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)

(25) 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

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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

AIP NO.:3–04–0028–045–2023

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

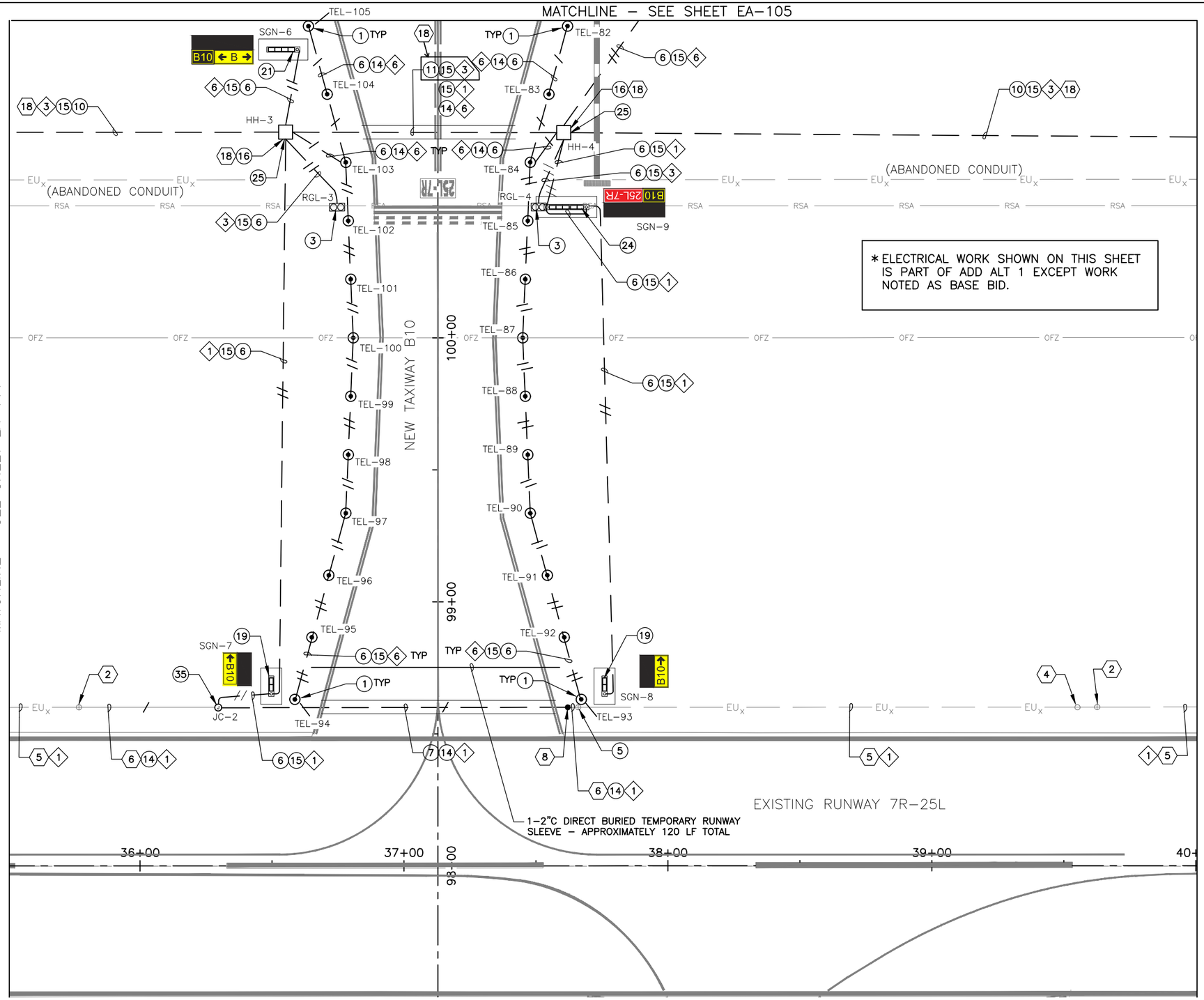
SHEET OVERVIEW TITLE

AIRFIELD LIGHTING AND ELECTRICAL PLAN

SHEET REFERENCE NUMBER:
EA-111

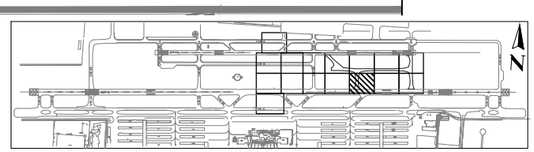
SHEET 88 OF 107

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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)



KEY MAP

CONSTRUCTION NOTES

(1) INSTALL NEW ELEVATED LED L–861T(L) TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER ON NEW L–867 BASE CAN. (24 TOTAL – ADD ALT 1)

(3) INSTALL NEW ELEVATED L–804(L) LED RUNWAY GUARD LIGHT AND ISOLATION TRANSFORMER ON NEW L–867 BASE CAN. (2 TOTAL – ADD ALT 1)

(5) INSTALL SALVAGED ELEVATED RUNWAY EDGE LIGHT AND ISOLATION TRANSFORMER ON EXISTING L–867 BASE CAN. (1 TOTAL – ADD ALT 1)

(6) 1–2"C SE (1,210 LF TOTAL– ADD ALT 1)

(7) 1–2"C CE (135 LF TOTAL – ADD ALT 1)

(10) 4–2"C SE (345 LF TOTAL – BASE BID)

(11) 4–2"C CE (105 LF TOTAL – BASE BID)

(14) 1/C, #8–5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (600 LF TOTAL – BASE BID)

(15) 2/C, #8–5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (510 LF TOTAL – BASE BID) (1,495 LF TOTAL – ADD ALT 1)

(16) NEW 4'x4'x4' HANDHOLE WITH AIRCRAFT RATED LID (2 TOTAL – BASE BID)

(19) 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)

(21) 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)

(24) 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)

(25) INSTALL NEW RGL ISOLATION CONDUITS IN NEW OR EXISTING HANDHOLE (2 TOTAL – ADD ALT 1)

(35) 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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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

AIP NO.:3–04–0028–045–2023

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–112**

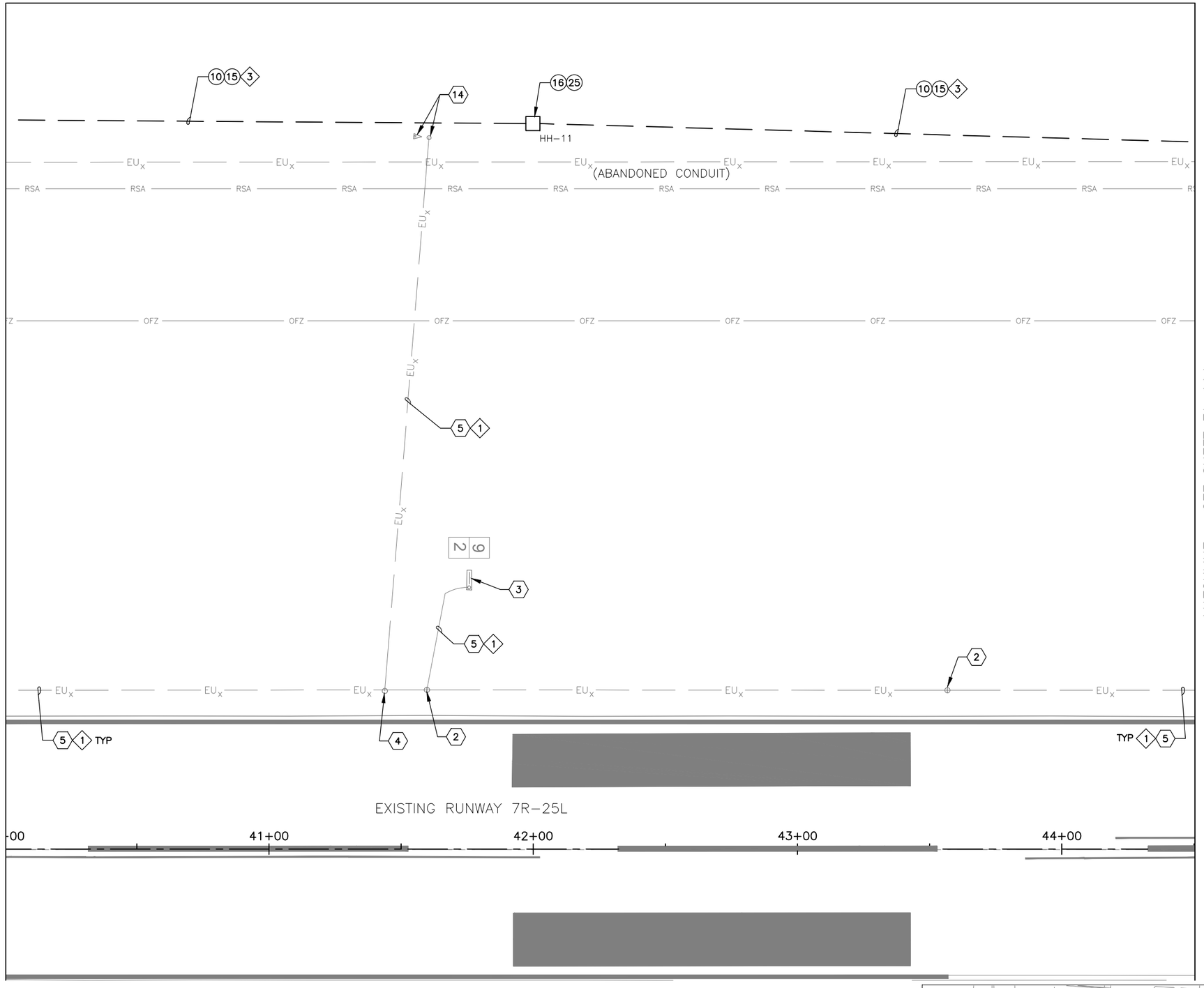
SHEET 89 OF 107

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MATCHLINE – SEE SHEET EA–106

MATCHLINE – SEE SHEET EA–112

MATCHLINE – SEE SHEET EA–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

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)

(25) INSTALL NEW RGL ISOLATION CONDUITS IN NEW OR EXISTING HANDHOLE (1 TOTAL)

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

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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

AIP NO.:3–04–0028–045–2023

Designed by: SW
Drawn by: JBW
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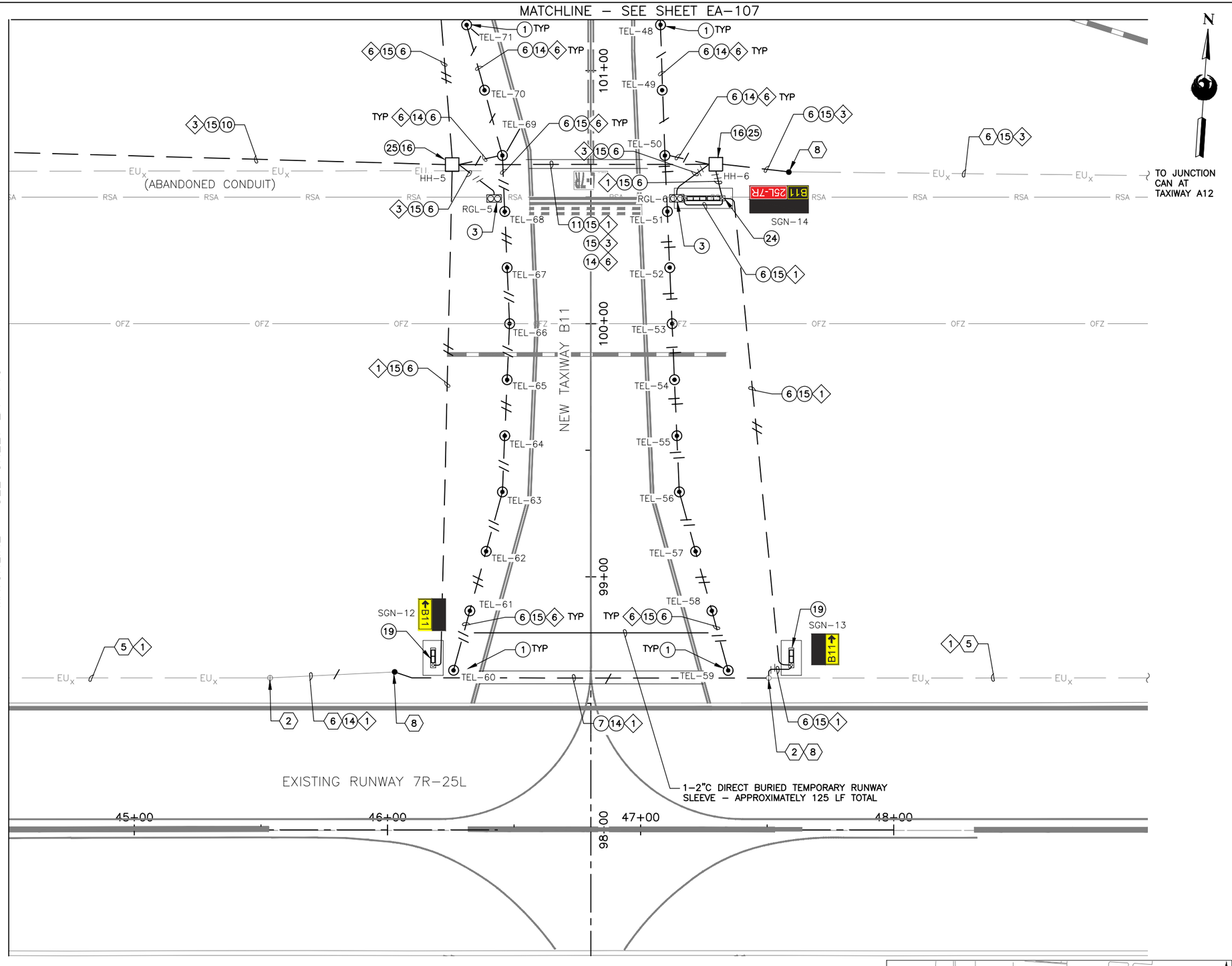
SHEET OVERVIEW TITLE

AIRFIELD LIGHTING AND ELECTRICAL PLAN

SHEET REFERENCE NUMBER:
EA-113

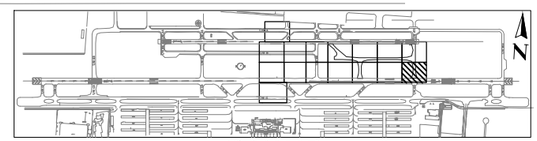
SHEET 90 OF 107

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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

CONSTRUCTION NOTES

(1) INSTALL NEW ELEVATED LED L–861T(L) TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER ON NEW L–867 BASE CAN. (24 TOTAL)

(3) INSTALL NEW ELEVATED L–804(L) LED RUNWAY GUARD LIGHT AND ISOLATION TRANSFORMER ON NEW L–867 BASE CAN. (2 TOTAL)

(6) 1–2"C SE (1,150 LF TOTAL)

(7) 1–2"C CE (150 LF TOTAL)

(10) 4–2"C SE (175 LF TOTAL)

(11) 4–2"C CE (105 LF TOTAL)

(14) 1/C, #8–5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (590 LF TOTAL)

(15) 2/C, #8–5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (3,130 LF TOTAL)

(16) NEW 4'x4'x4' HANDHOLE WITH AIRCRAFT RATED LID (2 TOTAL)

(19) 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)

(24) 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)

(25) INSTALL NEW RGL ISOLATION CONDUITS IN NEW OR EXISTING HANDHOLE (2 TOTAL)

REFERENCE NOTES

(2) EXISTING RUNWAY EDGE LIGHT

(5) EXISTING CONDUIT AND CONDUCTOR

(6) EXISTING CONDUIT

(8) APPROXIMATE SPLICE POINT OF CONDUIT AND COUNTERPOISE

CIRCUIT IDENTIFICATION

(1) RW 7R/25L

(3) RGL 7R

(6) TAXIWAY B EAST

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYA

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

Designed by: SW
Drawn by: JBW
Checked by: CA
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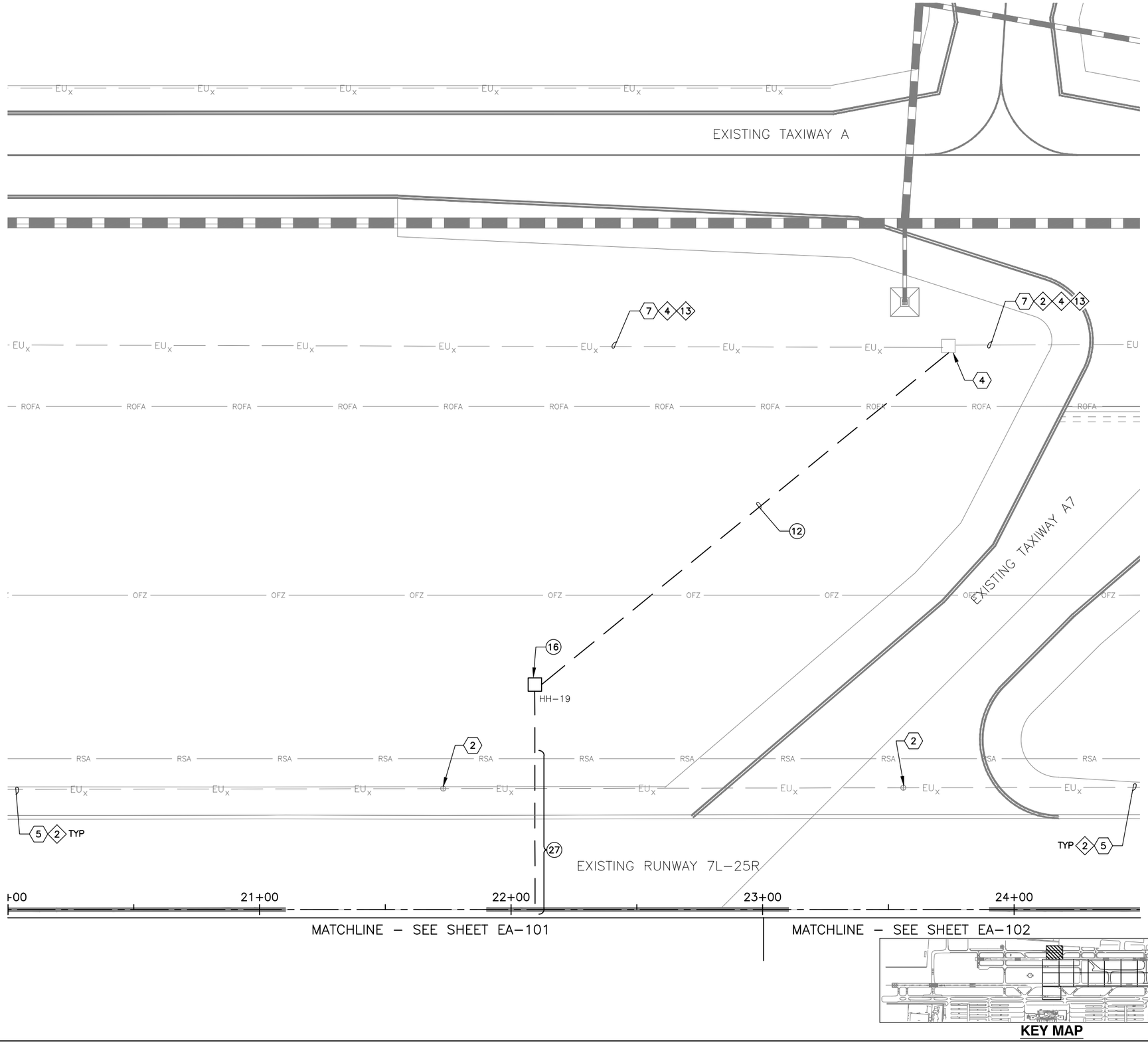
SHEET OVERVIEW TITLE

AIRFIELD LIGHTING AND ELECTRICAL PLAN

SHEET REFERENCE NUMBER:
EA-114

SHEET 91 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)

(27) 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

KEY MAP

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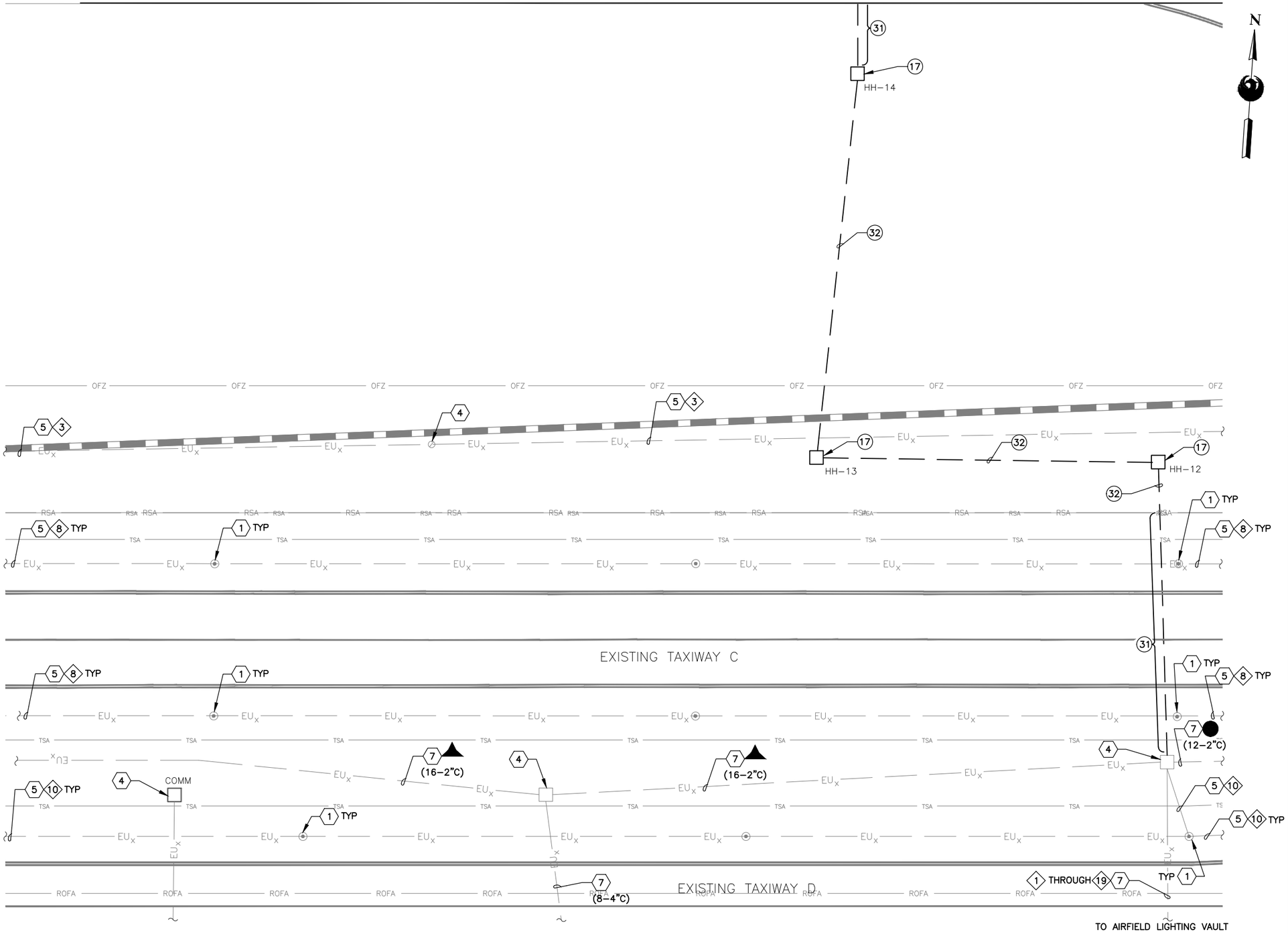
AIRFIELD LIGHTING AND ELECTRICAL PLAN

SHEET REFERENCE NUMBER:
EA-115

SHEET 92 OF 107

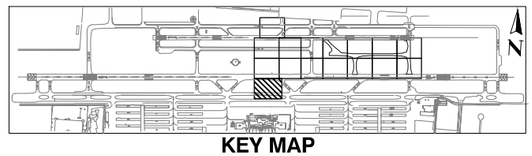
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MATCHLINE – SEE SHEET EA–108



▲ = 1 3 4 5 8 9 11 15 19

● = 2 6 7 12 13 14 16 17 18



KEY MAP

CONSTRUCTION NOTES

(17) NEW 4'x4'x5' HANDHOLE WITH AIRCRAFT RATED LID (3 TOTAL)

(31) NEW 16–2"C (HDPE) DIRECTIONAL BORE (125 LF TOTAL)

(32) NEW 16–2"C SE (305 LF TOTAL)

REFERENCE NOTES

1 EXISTING TAXIWAY EDGE LIGHT

4 EXISTING HANDHOLE OR JUNCTION CAN

5 EXISTING CONDUIT AND CONDUCTOR

7 EXISTING DUCTBANK

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

PRIME CONSULTANT
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B6 AND B9 - GMP 1
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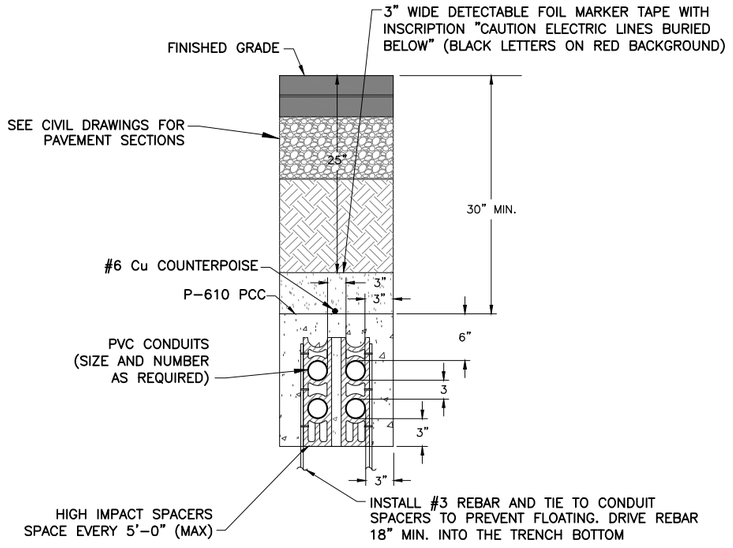
SHEET OVERVIEW TITLE

AIRFIELD LIGHTING AND ELECTRICAL PLAN

SHEET REFERENCE NUMBER:
EA-116

SHEET 93 OF 107

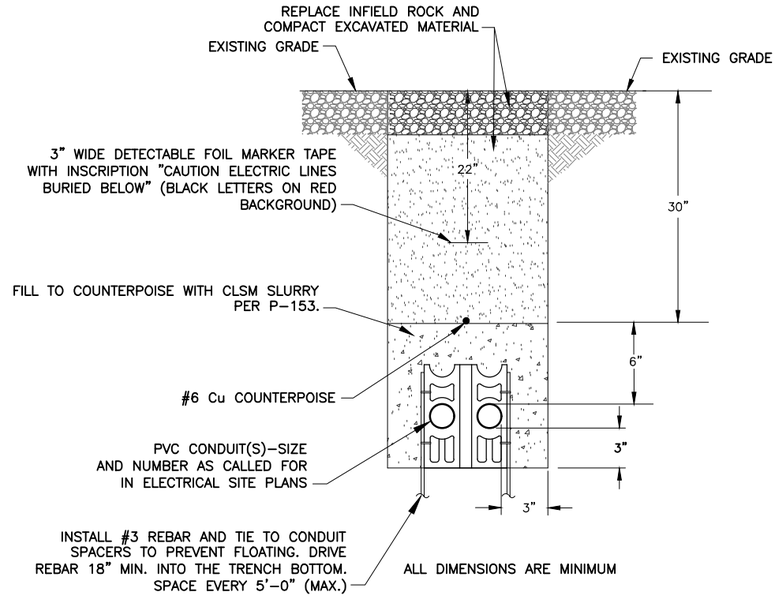
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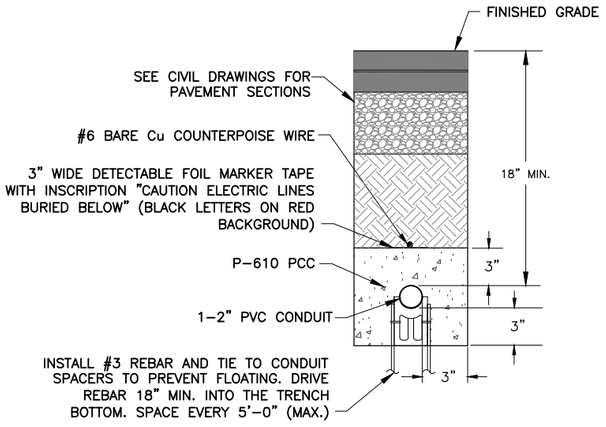
501 TYP CONCRETE ENCASED (CE) CONDUIT DUCTBANK
NTS

GENERAL NOTES FOR CONDUIT INSTALLATION

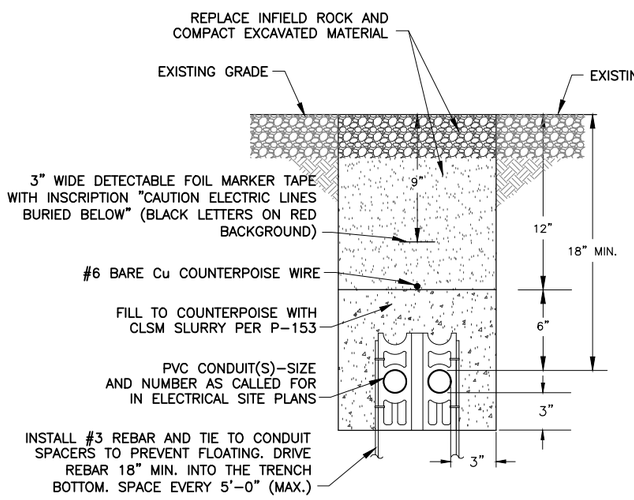
1. PROVIDE PULL STRING IN ALL (NEW) UNUSED CONDUITS. PLUG ENDS IN HANDHOLES.
2. P-610 CONCRETE ENCASE UNDER PAVEMENT AND AS OTHERWISE INDICATED ON PLANS.
3. INSTALL A #6 BARE COPPER (Cu) COUNTERPOISE IN EACH DUCT ASSEMBLY FROM HANDHOLE-TO-HANDHOLE AND EXOTHERMICALLY WELD TO GROUND RODS AT EACH HANDHOLE.
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.



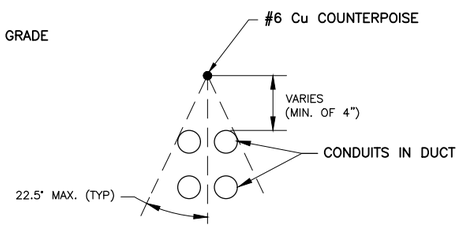
503 TYP SLURRY ENCASED (SE) CONDUIT DUCTBANK
NTS



504 TYP CONDUIT DETAIL
NTS

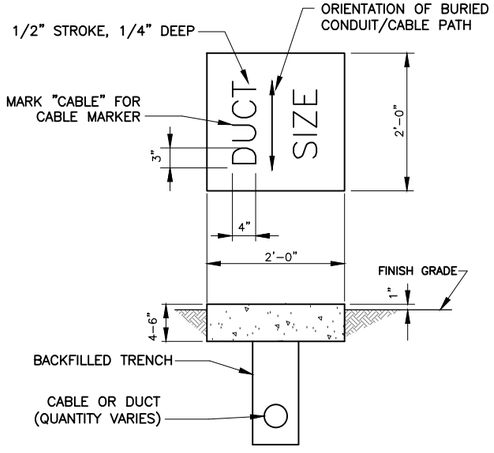


505 TYP CONDUIT DETAIL
NTS



506 TYP COUNTERPOISE COVERAGE
NTS

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.



663 TYP CABLE/DUCT MARKER
NTS

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

PBX 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: NTS

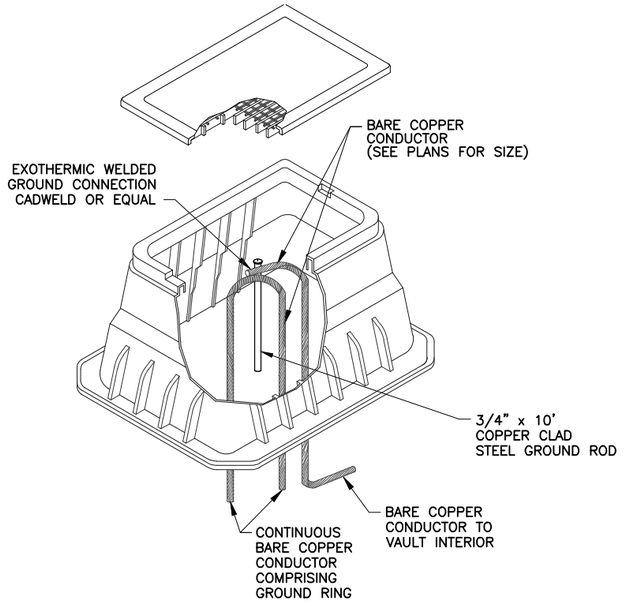
AIP NO.:3-04-0028-045-2023

SHEET OVERVIEW TITLE
ELECTRICAL DETAILS - CONDUIT DUCTBANKS AND DUCT MARKER

SHEET REFERENCE NUMBER:
EA-501

SHEET 94 OF 107

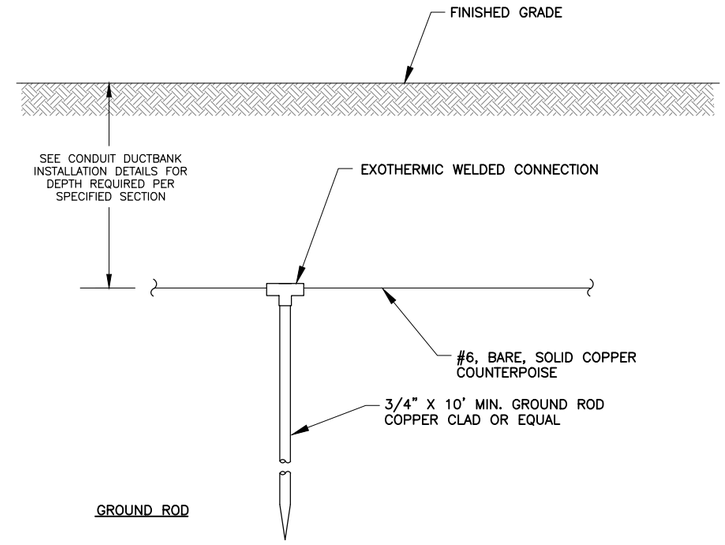
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NOTES:

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.

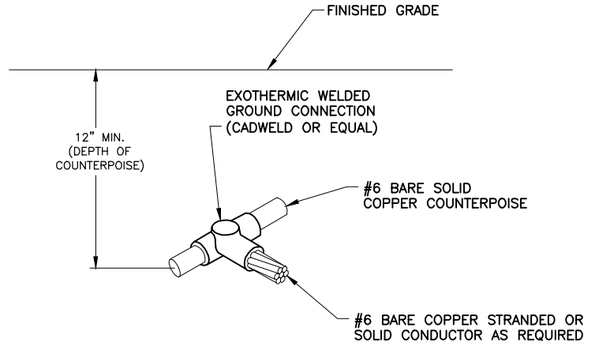
566 TYP CABLE TO GROUND ROD CONNECTION - GROUND WELL
NTS



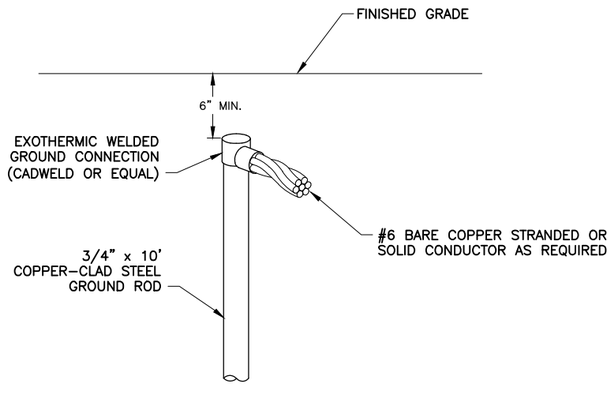
761 TYP COUNTERPOISE INSTALLATION DETAIL
NTS

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.



766 TYP COUNTERPOISE TO CABLE CONNECTION DETAIL
NTS



767 TYP CABLE TO GROUND ROD CONNECTION DETAIL
NTS

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NO	REVISIONS / SUBMISSIONS	DATE

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CITY OF PHOENIX AVIATION DEPARTMENT
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RELOCATE TAXIWAY B AND
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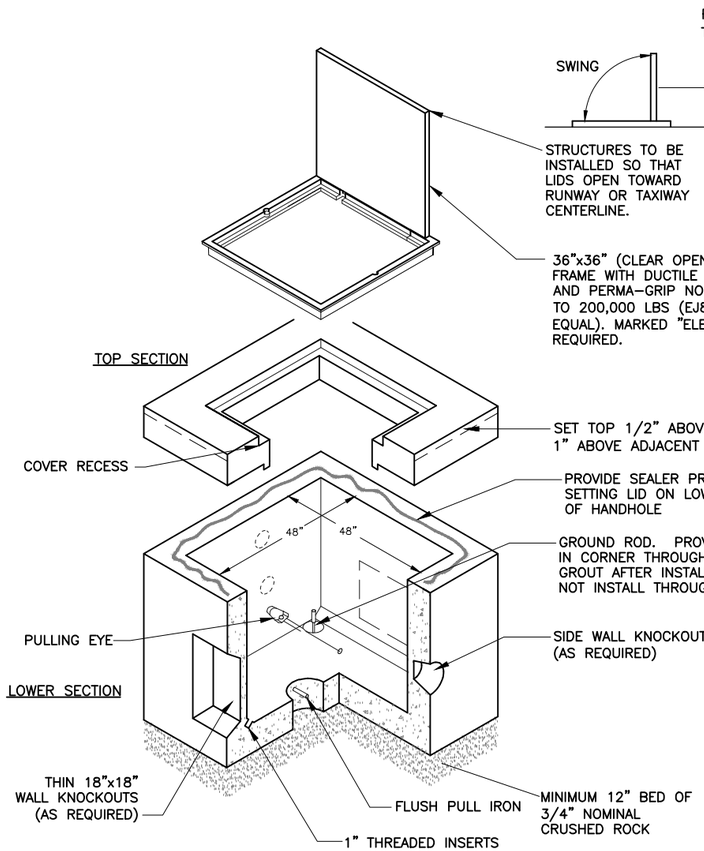
AIP NO.:3-04-0028-045-2023

SHEET OVERVIEW TITLE
ELECTRICAL DETAILS - COUNTERPOISE AND GROUNDING

SHEET REFERENCE NUMBER:
EA-502

SHEET 95 OF 107

Q:\PROJECTS\19000\19006 DVT Relocate Twy B & Construct High Speed Connectors\CAD\CAD SHEETS\ 19006 EA-502-COUNTERPOISE AND GROUNDING.dwg — Apr 05,2023 8:52am

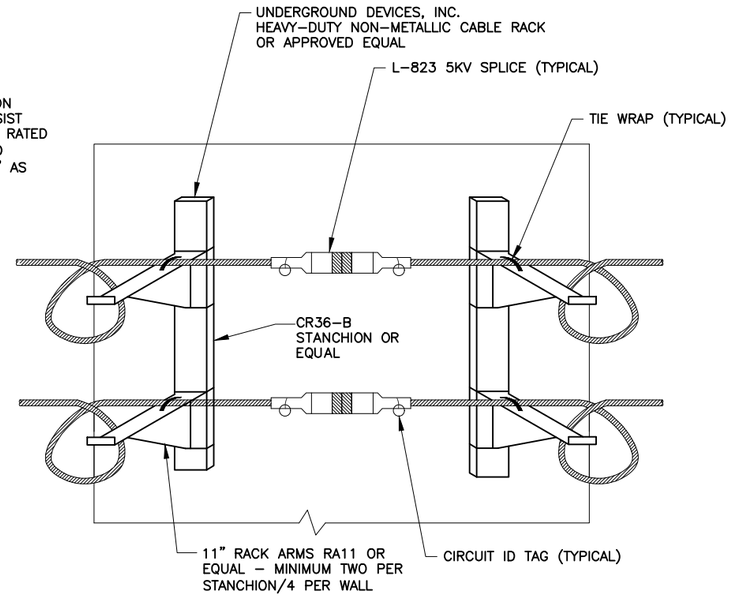


960 TYP 4'x4'x4' HANDHOLE DETAIL
NTS

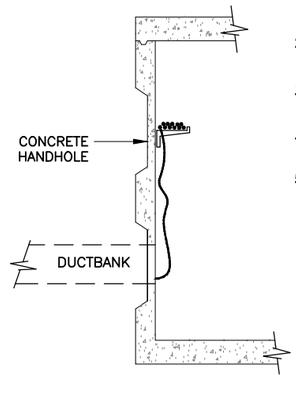
(AIRCRAFT LOAD RATED - SEE SPEC. L-115)

HANDHOLE NOTES:

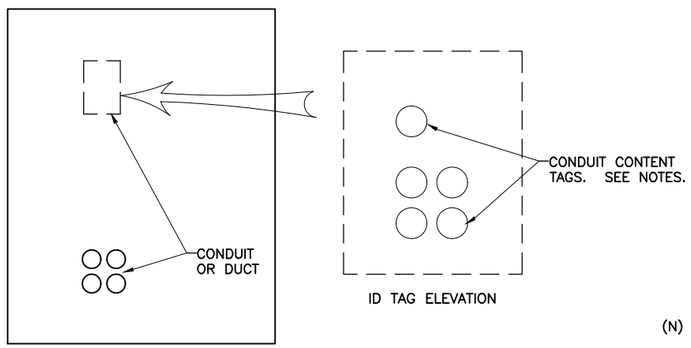
1. ALL STEEL, OTHER THAN REBAR, TO BE HOT DIPPED GALVANIZED AFTER FABRICATION.
2. PROVIDE ALL HANDHOLES WITH CABLE RACKS AND PULLING EYES PER SPECIFICATIONS.
3. PROVIDE CABLE ROUTING ID TAGS AT EACH HANDHOLE.
4. PROVIDE GROUND ROD FOR EACH HANDHOLE PER SPECIFICATIONS.
5. GROUT ALL CONDUIT PENETRATIONS.
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



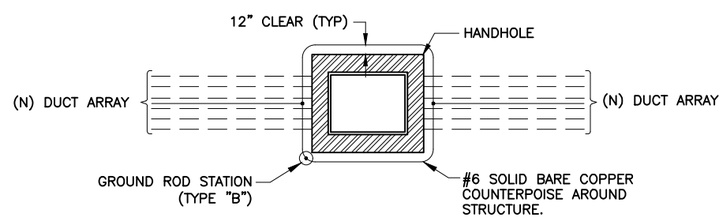
1. PROVIDE NON-METALLIC, NON-CONDUCTIVE, RACK ARMS, BOLTED TO CHANNELS INSET IN HANDHOLE WALLS. PROVIDE MIN. (2) ARMS FOR EVERY WALL.
2. CABLE RACKING SHALL BE LIMITED TO THE UPPER HALF OF THE HANDHOLE.
3. PROVIDE 2 CIRCUIT TAGS FOR EVERY L-823 CABLE SPLICE IN HH WITHIN 24" OF SPLICE.
4. PROVIDE A MIN. OF TEN FEET OF CABLE BETWEEN ENTRY POINT AND L-823 SPLICE.
5. RACK CABLES ON SIDE(S) OF ENTRY/EXIT CONDUITS.
   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 EYW
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

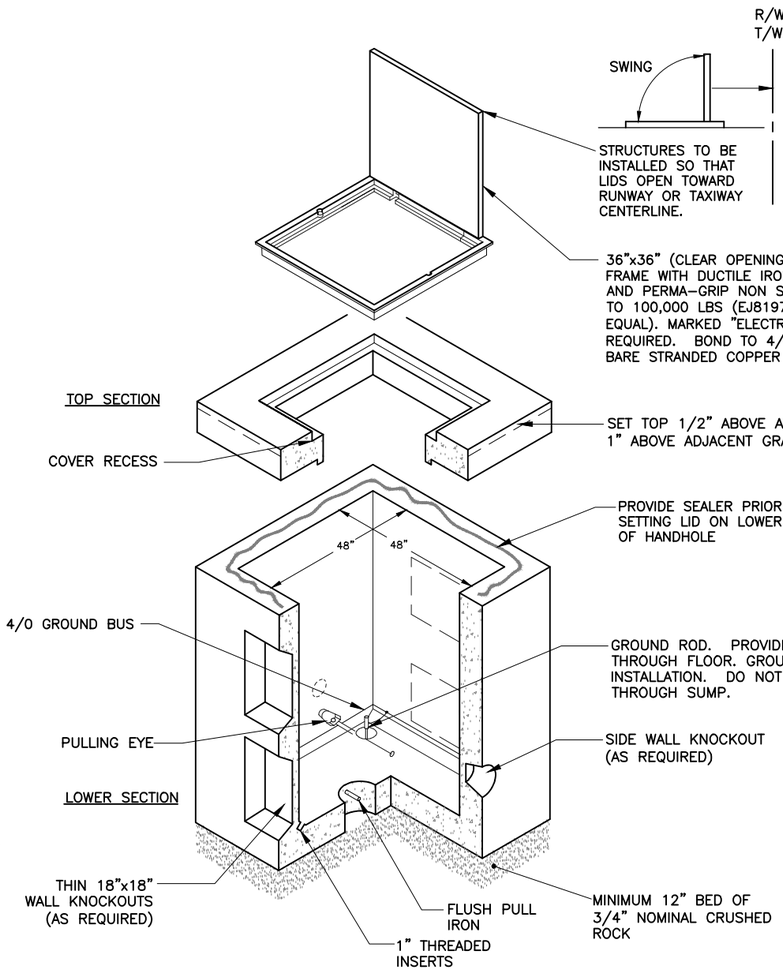
AIP NO.:3-04-0028-045-2023

SHEET OVERVIEW TITLE
ELECTRICAL DETAILS - 4'x4'x4' HANDHOLE

SHEET REFERENCE NUMBER:
EA-503

SHEET 96 OF 107

Q:\PROJECTS\19000\19006 DVT Relocate Txy B & Construct High Speed Connectors\CAD\CAD SHEETS\ 19006 EA-503-4'x4'x4' HANDHOLE.dwg - Apr 05,2023 8:52am

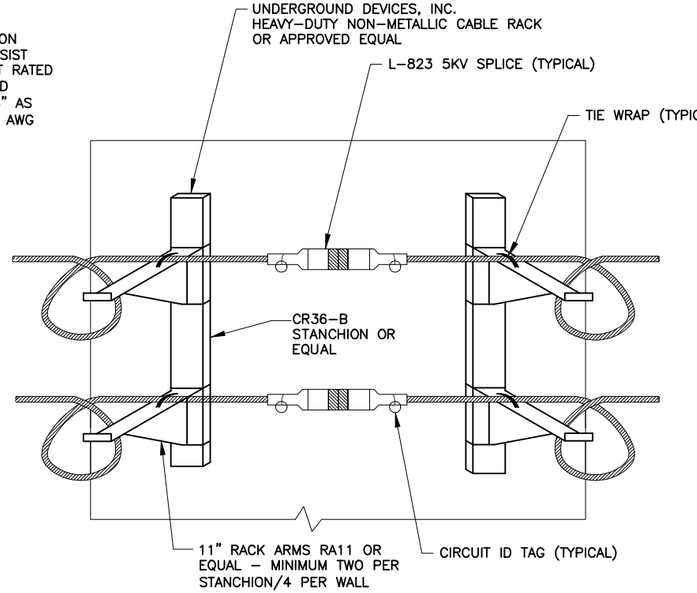


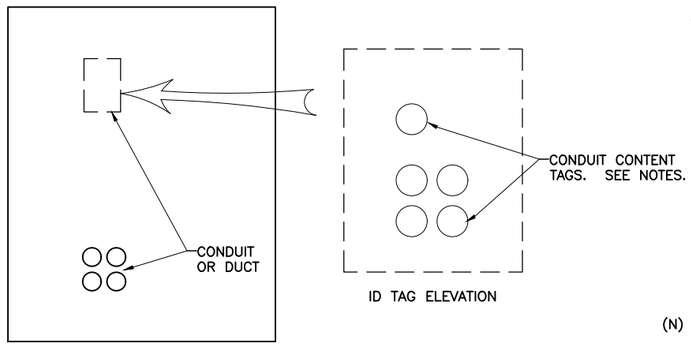
961 TYP 4'x4'x5' CONCRETE HANDHOLE DETAIL
NTS

(AIRCRAFT LOAD RATED SEE SPEC L-115)

HANDHOLE NOTES:

1. ALL STEEL, OTHER THAN REBAR, TO BE HOT DIPPED GALVANIZED AFTER FABRICATION.
2. PROVIDE ALL HANDHOLES WITH CABLE RACKS & PULLING EYES PER SPECIFICATIONS.
3. PROVIDE CABLE ROUTING PLAQUE AT EACH HANDHOLE.
4. PROVIDE GROUND ROD FOR EACH HANDHOLE PER SPECIFICATIONS.
5. GROUT ALL CONDUIT PENETRATIONS.
6. PROVIDE MFGR DWGS AND STRUCTURAL CALCS FOR ALL CONCRETE ELEMENTS OF HANDHOLES AND FABRICATED TRAFFIC LIDS.
7. NOTE: DO NOT CONNECT COUNTERPOISE TO GROUNDING SYSTEM. ROUTE AROUND HANDHOLES.
8. 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.
9. PROVIDE SUMP DRAIN WITH GRATE IN HANDHOLE STRUCTURE FLOOR. KNOCK BOTTOM OUT OF SUMP DURING INSTALLATION.
10. SEE DUCTBANK INSTALLATION PLANS FOR HANDHOLE DIMENSION REQUIREMENTS.
11. 4/0 GROUND BUS NOT REQUIRED IN COMMUNICATIONS HANDHOLES CONTAINING FIBER OPTICS CABLE.

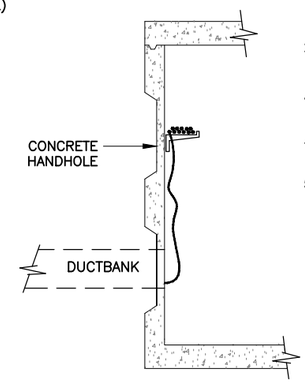




B CABLE ROUTING IDENTIFICATION TAG DETAIL
NTS

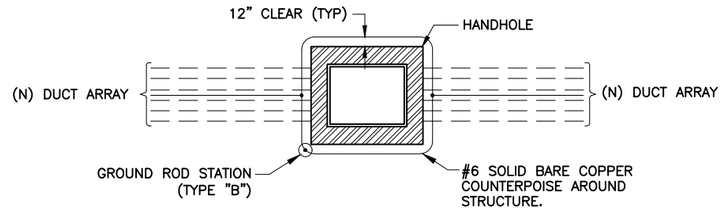
PLAQUE NOTES:

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2. THE TAGS SHALL BE APPROX 1"H x 2"L AND SHALL HAVE MINIMUM 1/4" LETTERING.



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.
5. RACK CABLES ON SIDE(S) OF ENTRY/EXIT CONDUITS.
   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.



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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PHX DVT

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RELOCATE TAXIWAY B AND
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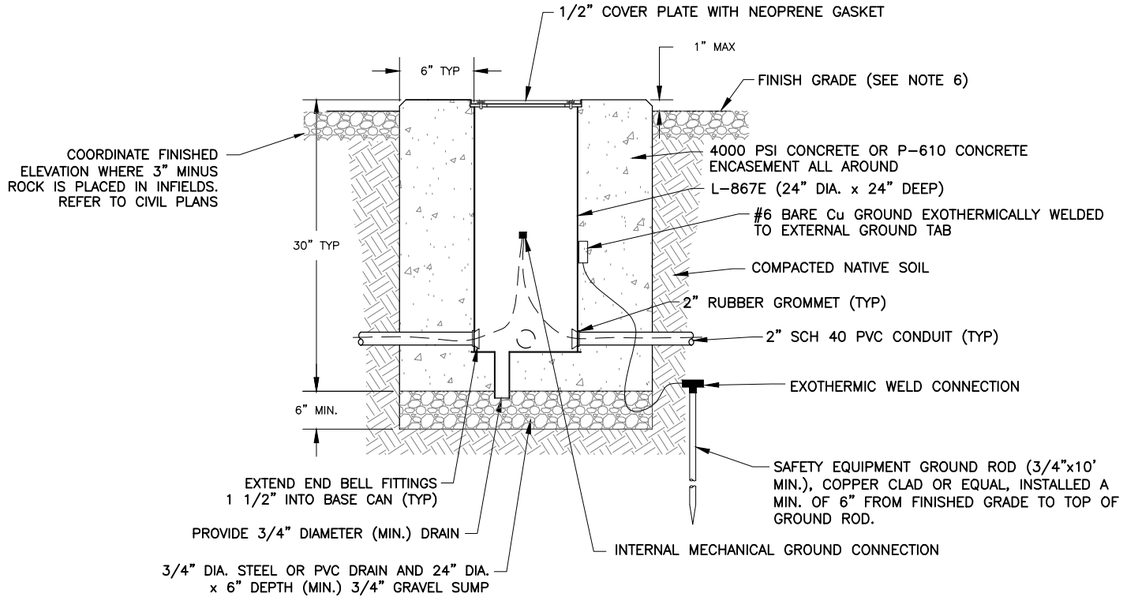
SHEET OVERVIEW TITLE

ELECTRICAL DETAILS - 4'x4'X5' HANDHOLE

SHEET REFERENCE NUMBER:
EA-504

SHEET 97 OF 107

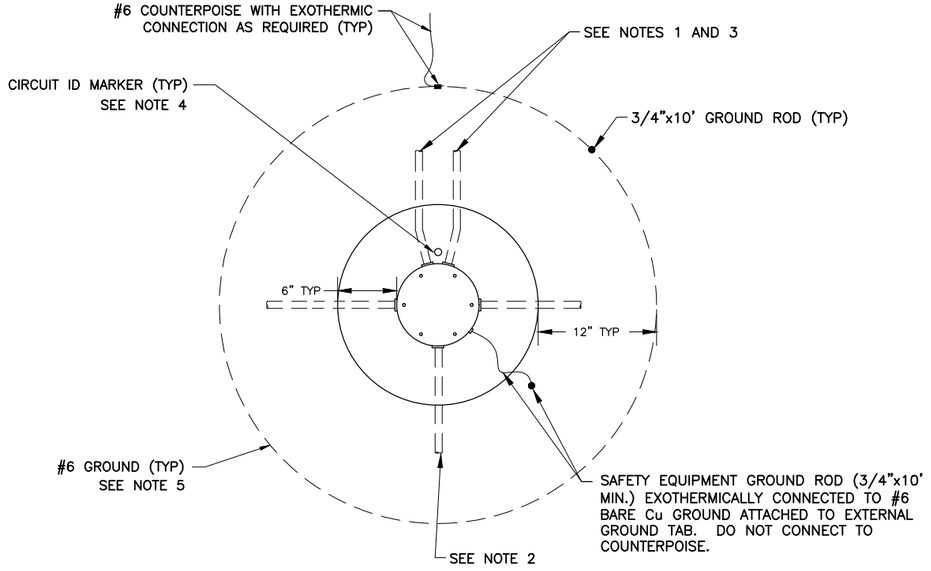
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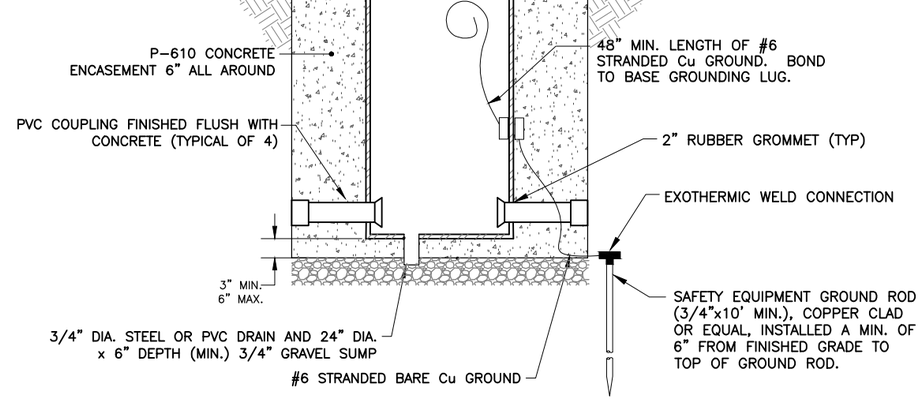


821 TYP L-867E JUNCTION CAN DETAIL
NTS

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





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

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.

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT
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

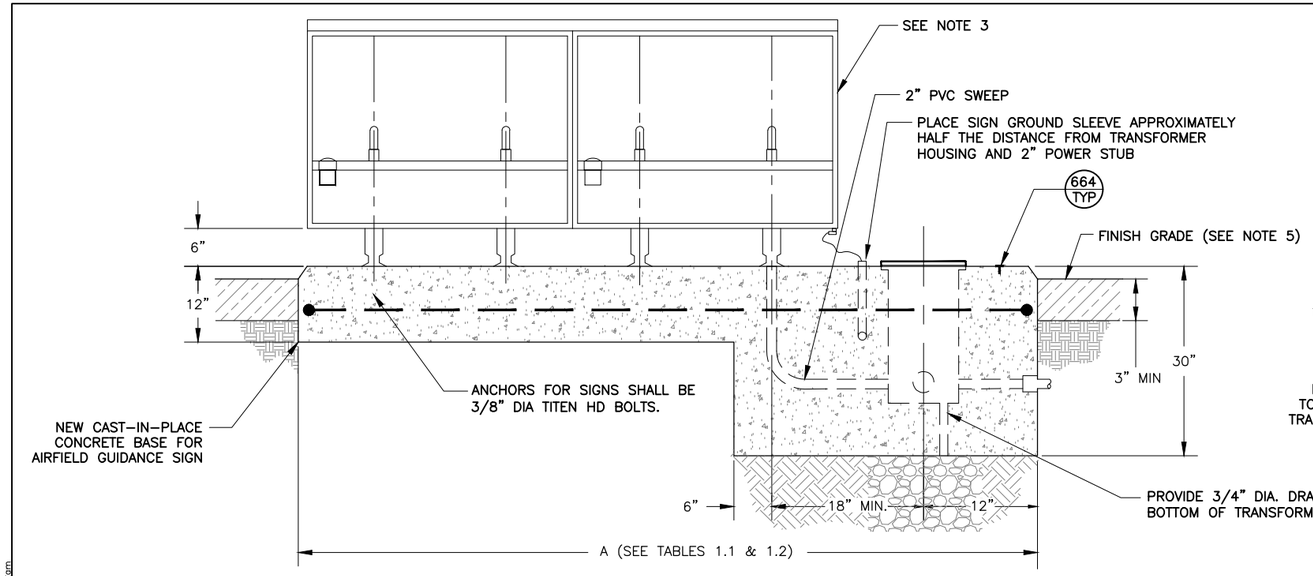
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SHEET OVERVIEW TITLE
ELECTRICAL DETAILS - JUNCTION CAN

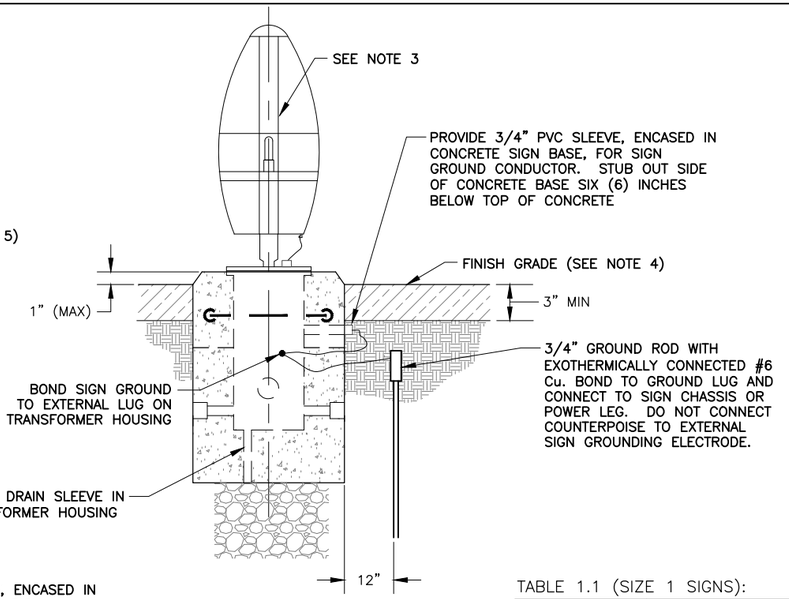
SHEET REFERENCE NUMBER:
EA-505

SHEET 98 OF 107

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SIDE VIEW



FRONT VIEW (CAN SIDE)

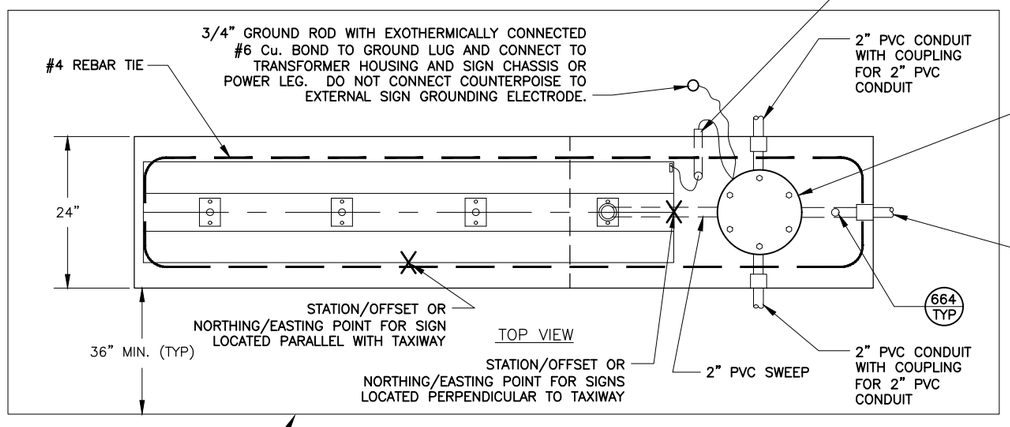
TABLE 1.1 (SIZE 1 SIGNS):

# 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

NTS

NOTES

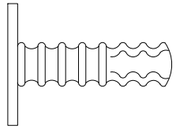
1. NEW CAST-IN-PLACE CONCRETE BASE SHOWN WITH A TWO MODULE SIGN FOR ILLUSTRATIVE PURPOSES ONLY. SEE TABLE 1.1 FOR ACTUAL LENGTH OF BASE NEEDED FOR MULTIPLE MODULE SIGNS.
2. BASE SHALL BE CONSTRUCTED LEVEL, 1" ABOVE FINISHED GRADE OF AREA WHERE BASE IS CONSTRUCTED.
3. TRANSFORMER HOUSING SHALL BE ORIENTED 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

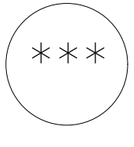
SIGN SIZE	LEGEND HEIGHT	LEGEND PANEL HEIGHT	INSTALLED* (MAX.)	PERPENDICULAR DISTANCE FROM DEFINED PAVMENT EDGE TO NEAR SIDE OF SIGN
1	12"	18"	30"	10' – 20'
2	15"	24"	36"	20' – 35'
3	18"	30"	42"	35' – 60'

* 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.

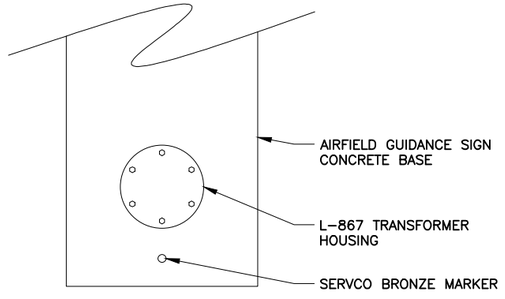
(SEE FAA ADVISORY CIRCULAR 150/5340-18G FOR FURTHER INFORMATION AND CLARIFICATION)



SERVCO BRONZE MARKER



***= TW D (TAXIWAY DELTA)



AIRFIELD GUIDANCE SIGN BASE MARKER LOCATION

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.

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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

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

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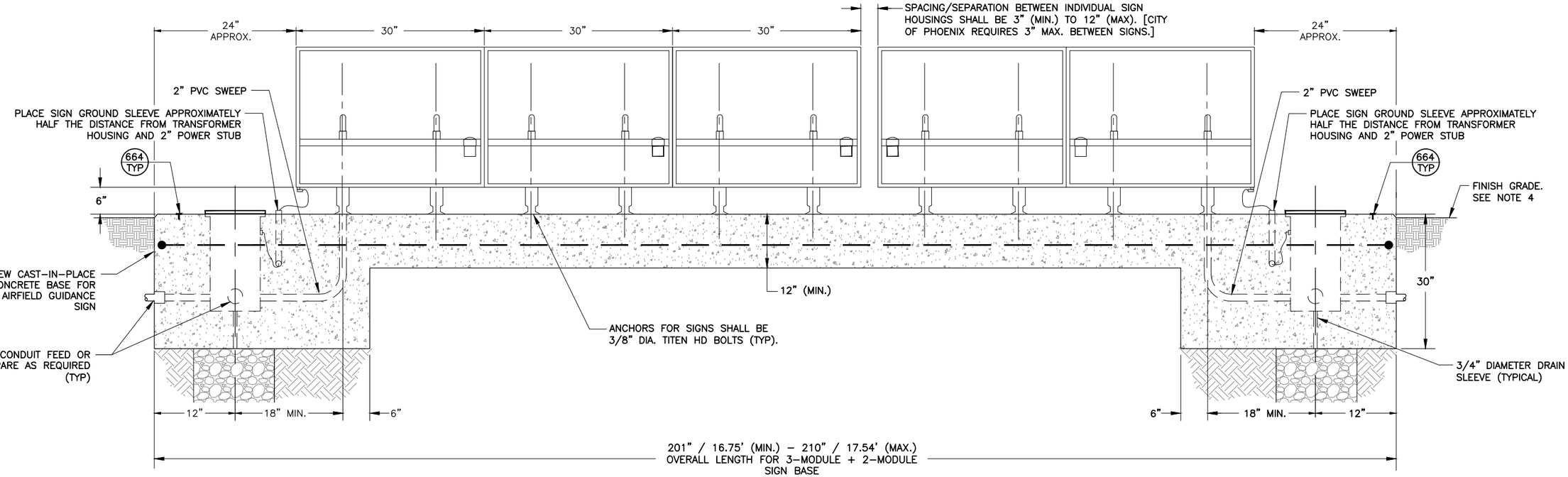
SHEET OVERVIEW TITLE

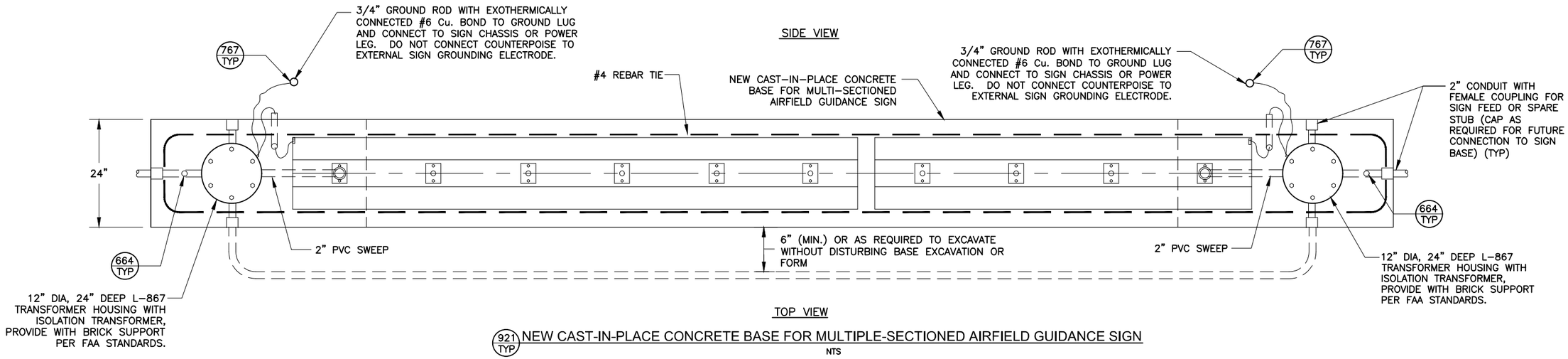
ELECTRICAL DETAILS - NEW CAST-IN-PLACE CONCRETE BASE FOR AIRFIELD GUIDANCE SIGN

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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DEER VALLEY AIRPORT
RELOCATE TAXIWAY B AND CONSTRUCT CONNECTORS B6 AND B9 - GMP 1
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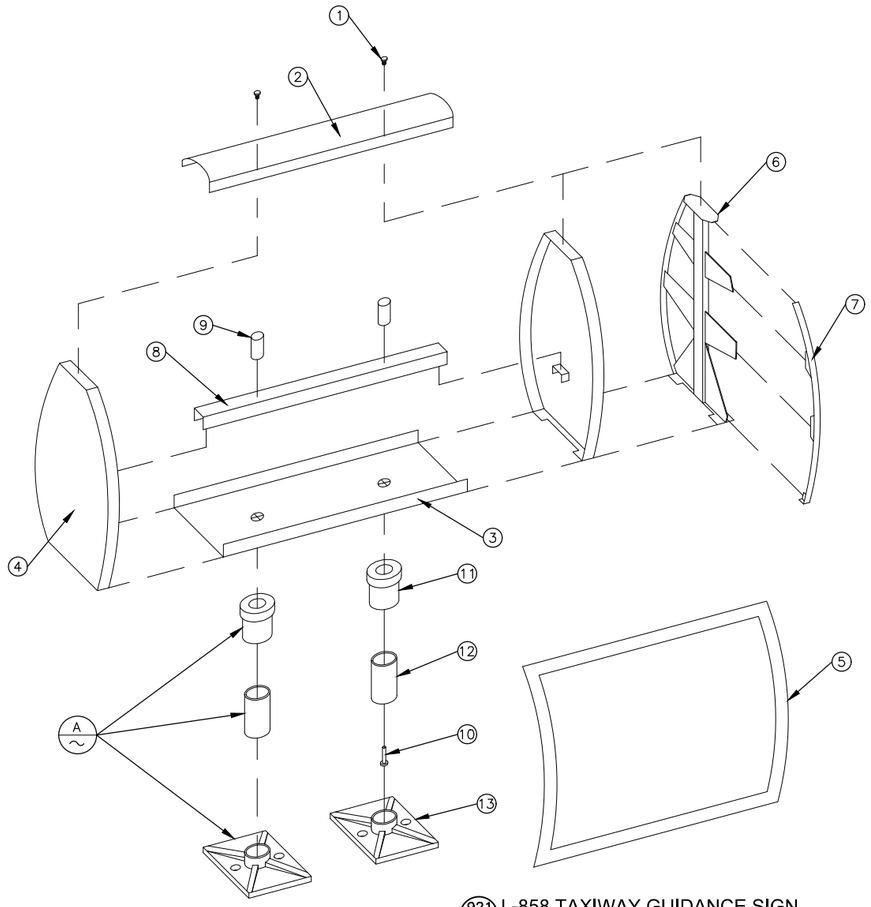
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SHEET OVERVIEW TITLE
ELECTRIFCAL DETAILS - NEW CAST-IN-PLACE CONCRETE BASE FOR MULTIPLE-SECTIONED AIRFIELD GUIDANCE SIGN

SHEET REFERENCE NUMBER:
EA-507

SHEET 100 OF 107

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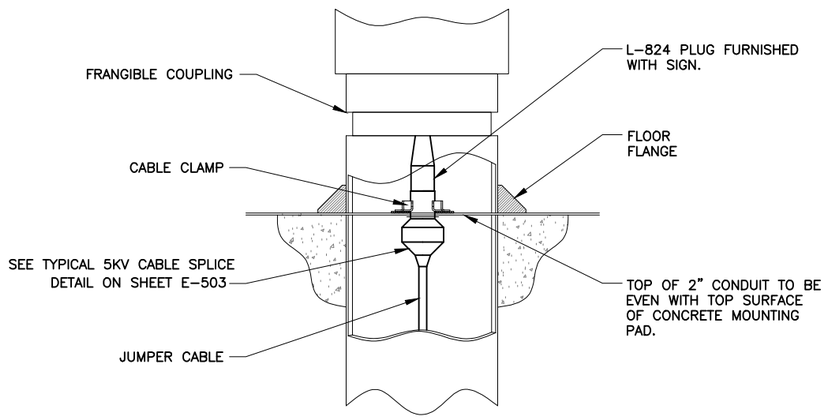


921 TYP L-858 TAXIWAY GUIDANCE SIGN
NTS

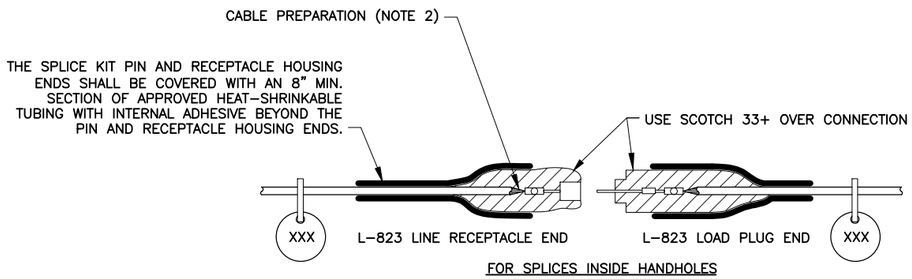
1. TURN FASTENERS
2. TOP COVER (SEE NOTE 4)
3. BASE (SIGN BOTTOM)
4. END PANEL (SEE NOTE 3)
5. LEGEND PANEL
6. SUPPORT JUNCTION
7. FACE INSERT PANEL JOINT
8. LAMP MOUNTING BAR
9. LAMP SOCKET
10. FAA L-823 PLUG
11. SLIP FLANGE
12. FRANGIBLE COUPLING (6" LENGTH)
13. FLOOR FLANGE

NOTES:

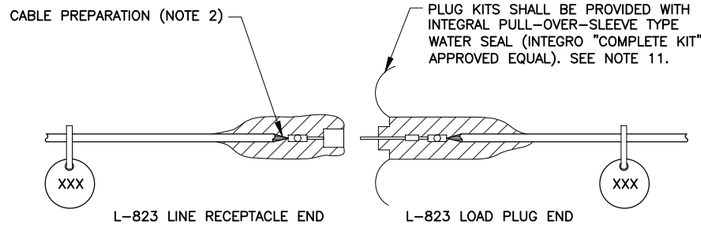
1. NEW AIRFIELD SIGNS SHALL BE OF A CURVED FACE DESIGN TO MAINTAIN SIMILAR APPEARANCE TO THAT OF EXISTING SIGNAGE AND TO FACILITATE ARRAY MODIFICATIONS.
2. WHEN JOINING TWO (2) SIGNS FOR ONE ARRAY, PROVIDE NEW SIZE 1 SUPPORT JUNCTION (TREE) AND SIZE 1 FACE INSERT PANEL JOINT (TRACK) OF THE CORRECT COLOR 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 TYP POWER/SUPPORT LEG
NTS



FOR SPLICES INSIDE HANDHOLES



FOR SPLICES INSIDE CANS

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 TYP TYPICAL 5KV CABLE SPLICE
NTS

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RELOCATE TAXIWAY B AND
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B6 AND B9 - GMP 1
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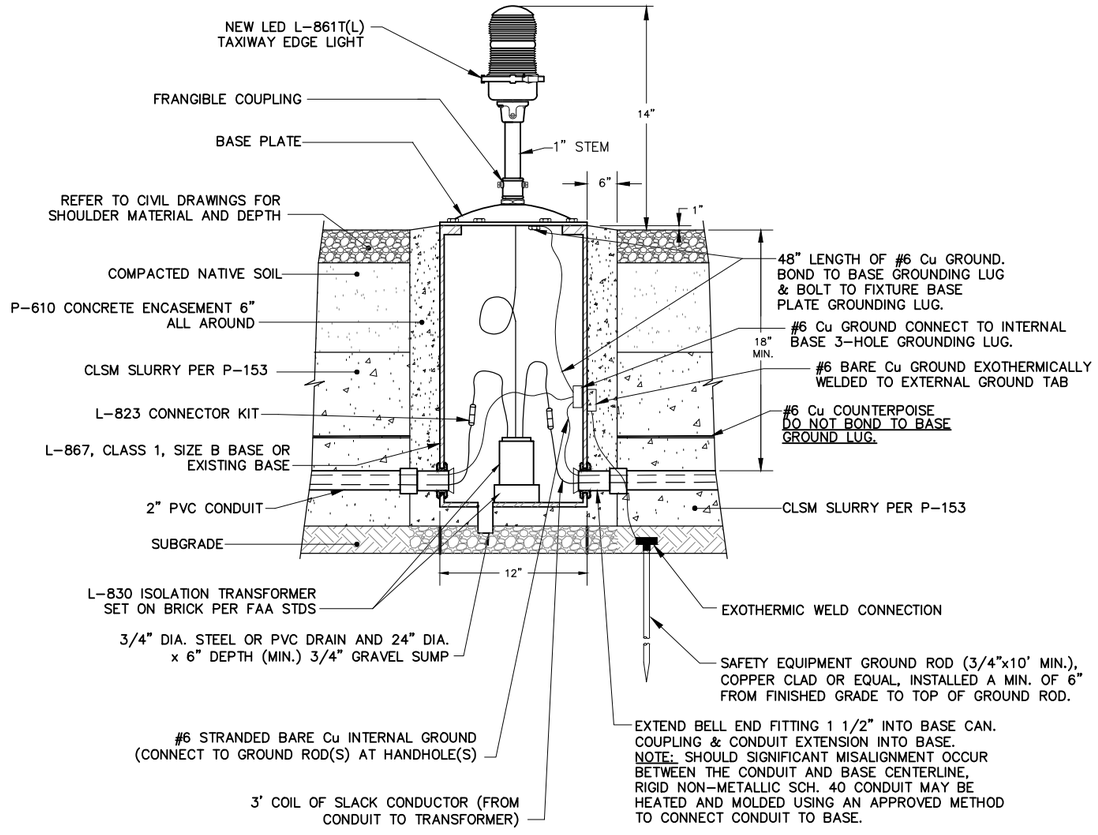
SHEET OVERVIEW TITLE

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

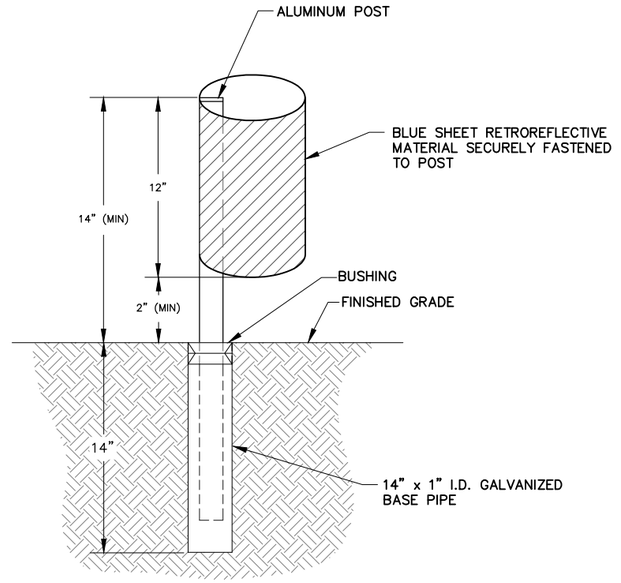
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EA-508

SHEET 101 OF 107

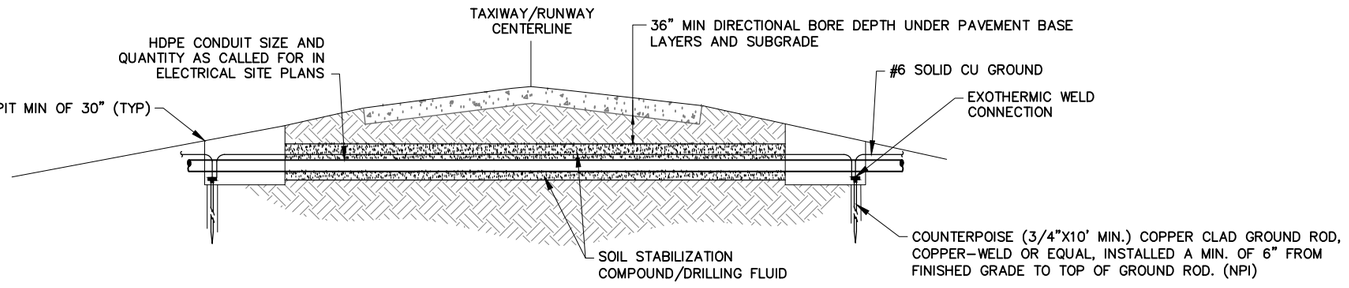
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891 TYP ELEVATED TAXIWAY EDGE LIGHT DETAIL
NTS



893 TYP L-853 TAXIWAY RETROREFLECTIVE MARKER
NTS



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

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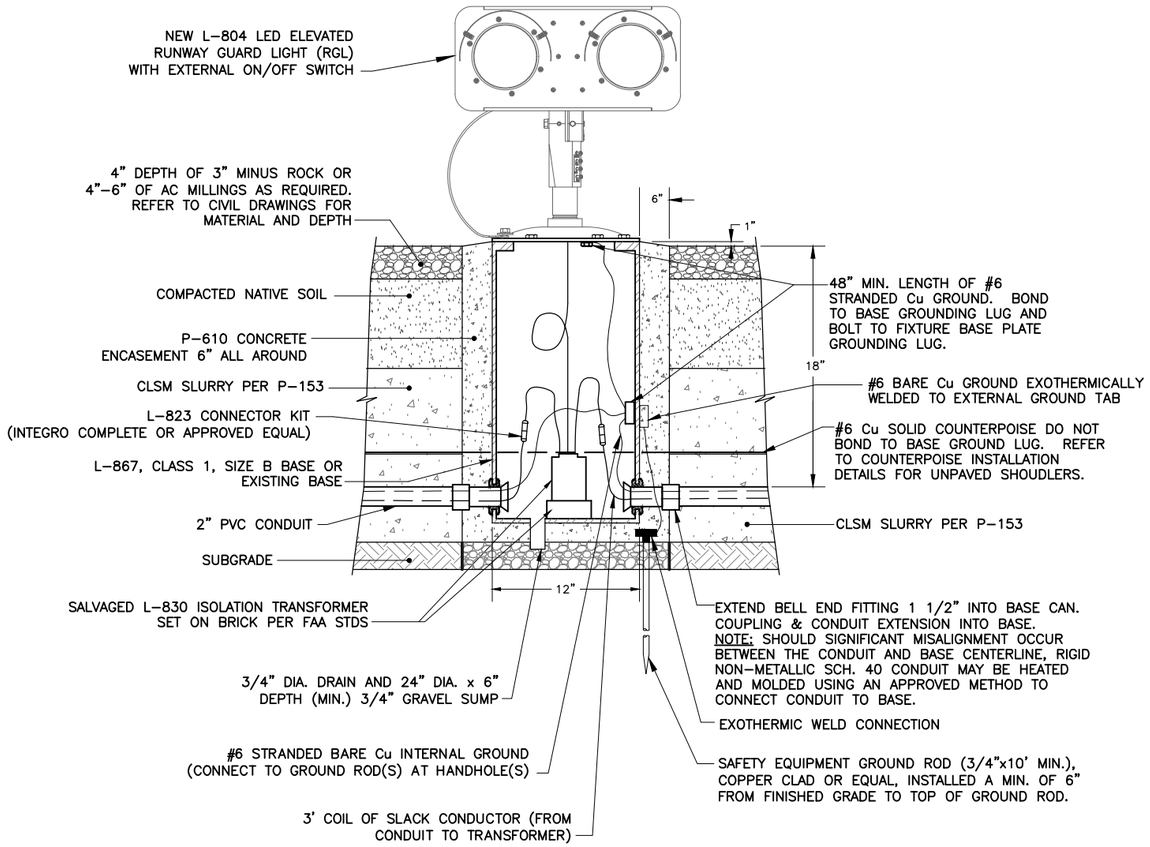
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Date:	04/05/2023
Dwg scale:	NTS

SHEET OVERVIEW TITLE
ELECTRICAL DETAILS - ELEVATED TAXIWAY EDGE LIGHT

SHEET REFERENCE NUMBER:
EA-509

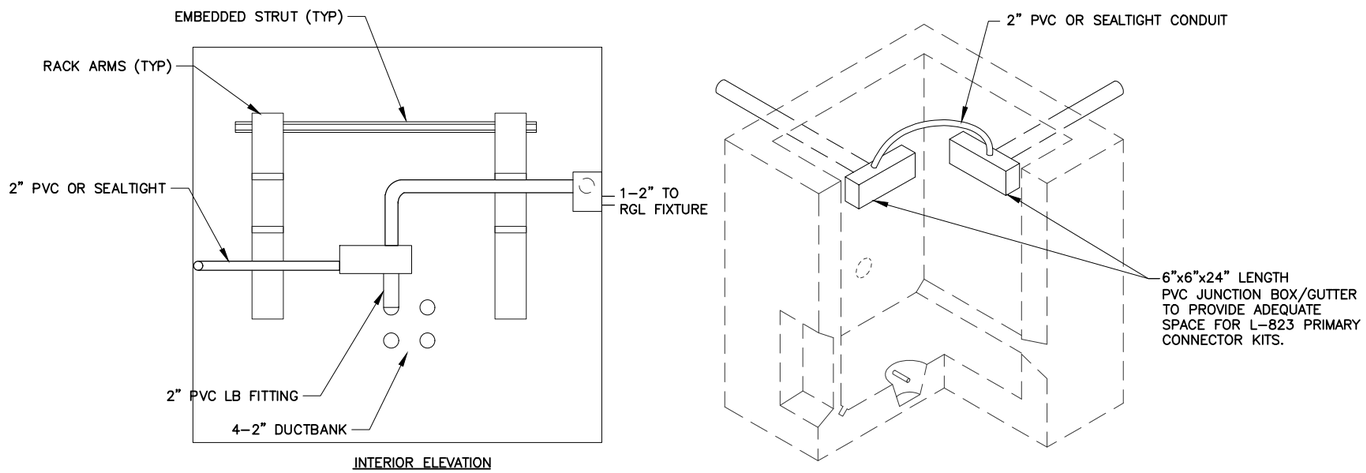
SHEET 102 OF 107

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870 TYP ELEVATED RUNWAY GUARD LIGHT DETAIL

NTS

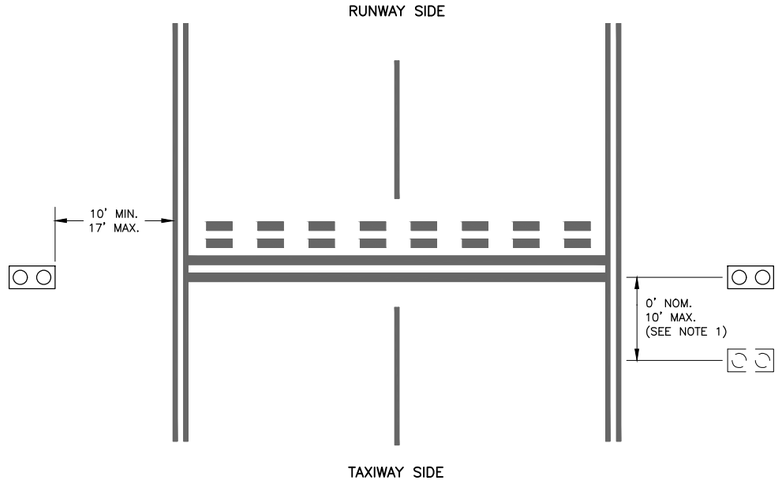


571 TYP RGL CIRCUIT ISOLATION SYSTEM DETAIL

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.

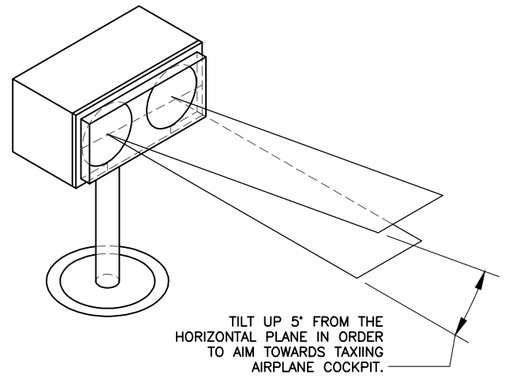


876 TYP RUNWAY GUARD LIGHT CONFIGURATION

NTS

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.

PRIME CONSULTANT
TRACE CONSULTING
1011 E. Jefferson St. | Suite 3 | Phoenix, AZ 85034
SUB CONSULTANT
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16719 East Palisades Blvd., Suite 202
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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:	SW
Drawn by:	JBW
Checked by:	CA
Date:	04/05/2023
Dwg scale:	NTS

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

SHEET OVERVIEW TITLE

ELECTRICAL DETAILS - RUNWAY GUARD LIGHT

SHEET REFERENCE NUMBER:

EA-510

Q:\PROJECTS\19000\19006 DVT Relocate Txy B & Construct High Speed Connectors\CAD\CAD SHEETS\ 19006_EA-510-RUNWAY GUARD LIGHT.dwg — Apr 05,2023 8:53am

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 B9 ↗	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 7L -25R	← 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 ↘ B 7L -25R B9	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 B B9 ↗	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 B B10 →	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 B10 ← 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 ←B10	BLANK	← B 10	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 B10→	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 B10 25L-7R	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 ←B10 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 ←B11 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 ←B11	BLANK	← B 11	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 B11→	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 B11 25L-7R	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 B B11 →	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 B11→	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 B11 7L-25R	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 VFR WESTBOUND DEPARTS CONTACT LUKE APPROACH CONTROL 118.15	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 B10 ← 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.

SIGNS TO BE CONSTRUCTED AS PART OF ADD ALT 1

NOTES

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

** = VFR WESTBOUND DEPARTS CONTACT LUKE APPROACH CONTROL 118.15

PRIME CONSULTANT: TRACE CONSULTING, 1011 E. Jefferson St. | Suite 3 | Phoenix, AZ 85034

SUB CONSULTANT: CRI engineers, 16719 East Palisades Blvd., Suite 202, Fountain Hills, AZ 85268, Phone: (480) 816-5541, Fax: (480) 816-5540, www.cremg.com

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT

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

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

SHEET OVERVIEW TITLE

AIRFIELD GUIDANCE SIGN SCHEDULE

SHEET REFERENCE NUMBER: EA-601

SHEET 104 OF 107

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NEW TAXIWAY EDGE LIGHT LOCATIONS
(SEE GENERAL NOTES ON EA-603)

FIXTURE #	STATION	OFFSET	CIRCUIT	BASE	LAMP	TRANSFORMER	TYPE
TEL-1	98+74.46	27.50' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-2	98+95.03	27.50' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-3	99+15.60	27.50' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-4	99+36.17	27.50' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-5	99+57.38	27.56' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-6	99+78.58	29.28' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-7	99+99.78	31.00' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-8	100+45.10	34.68' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-9	100+90.42	38.36' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-10	101+35.74	42.04' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-11	65+73.00	45.71' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-12	66+25.97	41.41' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-13	66+78.95	37.12' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-14	67+18.46	33.91' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-15	67+57.96	30.71' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-16	67+97.47	27.50' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-17	68+47.00	27.50' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-18	68+96.53	27.50' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-19	69+46.06	27.50' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-20	71+21.29	27.50' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-21	72+96.52	27.50' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-22	74+71.57	27.50' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-23	75+59.07	31.22' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-24	76+46.40	34.94' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-25	76+85.11	45.54' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-26	77+23.82	56.14' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-27	102+81.94	49.07' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-28	103+07.75	42.01' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-29	103+33.55	34.94' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-30	103+50.00	34.24' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-31	103+66.45	34.94' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-32	103+92.25	42.01' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-33	104+17.88	49.07' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-34	104+43.86	56.14' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-35	104+49.55	76.92' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-36	104+43.86	27.50' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-37	104+18.06	27.50' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-38	103+92.25	27.50' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-39	103+66.45	27.50' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-40	103+50.00	27.50' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-41	103+33.55	27.50' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-42	103+07.75	27.50' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-43	102+81.94	27.50' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)

NEW TAXIWAY EDGE LIGHT LOCATIONS
(SEE GENERAL NOTES ON EA-603)

FIXTURE #	STATION	OFFSET	CIRCUIT	BASE	LAMP	TRANSFORMER	TYPE
TEL-44	102+56.14	27.50' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-45	102+18.71	27.50' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-46	101+81.29	27.50' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-47	101+43.86	27.50' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-48	101+18.06	27.50' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-49	100+92.25	28.18' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-50	100+66.45	29.28' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-51	100+44.30	30.22' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-52	100+22.15	31.17' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-53	100+00.00	32.11' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-54	99+77.85	33.06' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-55	99+55.70	34.00' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-56	99+33.55	34.94' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-57	99+10.03	41.38' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-58	98+86.51	47.82' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-59	98+62.99	54.26' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-60	98+63.03	54.25' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-61	98+86.54	47.82' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-62	99+10.05	41.38' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-63	99+33.55	34.94' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-64	99+55.70	34.00' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-65	99+77.85	33.06' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-66	100+00.00	32.11' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-67	100+22.15	33.06' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-68	100+44.30	34.00' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-69	100+66.45	34.94' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-70	100+92.25	42.01' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-71	101+18.06	49.07' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-72	77+23.82	56.14' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-73	76+85.11	45.54' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-74	76+46.40	34.94' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-75	75+59.07	31.22' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-76	74+75.16	27.50' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-77	72+96.52	27.50' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-78	71+21.29	27.50' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-79	69+46.06	34.94' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-80	69+07.35	45.54' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-81	68+68.56	56.06' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-82	101+18.06	49.07' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-83	100+92.25	42.01' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-84	100+66.45	34.94' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-85	100+44.30	34.00' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
TEL-86	100+22.15	33.06' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)

ADD ALT 1

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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: NTS

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

SHEET OVERVIEW TITLE
EQUIPMENT DATA TABLES

SHEET REFERENCE NUMBER:
EA-602

Q:\PROJECTS\19000\19006 DVT Relocate Txy B & Construct High Speed Connectors\CAD\CAD SHEETS\ 19006 EA-602-EQUIPMENT DATA TABLES-1.dwg - Apr 05,2023 8:53am

NEW TAXIWAY EDGE LIGHT LOCATIONS

	FIXTURE #	STATION	OFFSET	CIRCUIT	BASE	LAMP	TRANSFORMER	TYPE
ADD ALT 1	TEL-87	100+00.00	32.11' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-88	99+77.85	33.06' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-89	99+55.70	34.00' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-90	99+33.55	34.94' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-91	99+10.05	41.38' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-92	98+86.55	47.81' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-93	98+63.05	54.25' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-94	98+63.04	54.25' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-95	98+86.54	47.81' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-96	99+10.05	41.38' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-97	99+33.55	34.94' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-98	99+55.70	34.00' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-99	99+77.85	33.06' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-100	100+00.00	32.11' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-101	100+22.15	33.06' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-102	100+44.30	34.00' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-103	100+66.45	34.94' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-104	100+92.25	42.01' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-105	101+18.06	49.07' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-106	67+56.45	56.06' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-107	67+17.66	45.54' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-108	66+78.95	34.94' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-109	66+25.97	32.69' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-110	65+73.00	30.43' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-111	65+38.64	28.96' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-112	65+04.29	27.50' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-113	64+54.94	27.50' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-114	64+05.38	27.50' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-115	63+55.81	27.50' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-116	63+53.85	46.96' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-117	63+76.09	59.82' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-118	63+85.92	83.55' LT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-119	99+99.79	46.96' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-120	99+78.58	42.71' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-121	99+57.38	38.47' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-122	99+36.17	34.23' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-123	99+15.60	35.90' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-124	98+95.03	37.57' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-125	98+74.46	39.24' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-126	98+50.28	41.20' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-127	98+26.09	43.16' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)
	TEL-128	98+01.91	45.13' RT	TAXIWAY B EAST	L-867	LED	10/15W	L-861T(L)

NEW HANDHOLE LOCATIONS

HH-X	STATION	OFFSET	SIZE
HH-1	100+02.65	69.19' RT	4'x4'x4'
HH-2	101+27.73	56.64' LT	4'x4'x4'
HH-3	100+77.88	57.71' LT	4'x4'x4'
HH-4	100+77.68	47.65' RT	4'x4'x4'
HH-5	100+62.87	54.78' LT	4'x4'x4'
HH-6	100+62.96	49.42' RT	4'x4'x4'
HH-7	102+91.80	66.01' LT	4'x4'x4'
HH-8	102+91.91	47.50' RT	4'x4'x4'
HH-9	61+04.25	122.21' RT	4'x4'x4'
HH-10	64+26.18	122.22' RT	4'x4'x4'
HH-11	72+99.49	125.35' RT	4'x4'x4'
HH-12	23+27.80	230.06' RT	4'x4'x5'
HH-13	21+93.17	228.29' RT	4'x4'x5'
HH-14	22+09.33	77.08' RT	4'x4'x5'
HH-15	22+09.45	75.55' LT	4'x4'x5'
HH-16	53+09.06	139.26' RT	4'x4'x6'
HH-17	53+09.06	55.84' LT	4'x4'x4'
HH-18	22+09.46	104.85' RT	4'x4'x4'
HH-19	22+09.46	89.44' LT	4'x4'x4'
HH-20	70+42.80	91.43' LT	4'x4'x4'

NEW RETROFLECTIVE TAXIWAY EDGE MARKER LOCATIONS

RRFL-#	STATION	OFFSET
RRFL-1	100+45.10	52.75' RT
RRFL-2	100+90.42	52.75' RT
RRFL-3	101+35.74	52.75' RT
RRFL-4	102+70.90	30.06' RT
RRFL-5	103+06.69	29.98' RT
RRFL-6	103+42.49	29.89' RT
RRFL-7	102+34.97	29.83' LT

EQUIPMENT LOCATION STANDARDS TABLE

(PROVIDED FOR REFRENCE ONLY)

EQUIPMENT TYPE	FAA LOCATION STANDARD	NOTES
TAXIWAY EDGE LIGHT	2'-10' (SEE GENERAL NOTE 2)	MEASURE TO CENTER OF LIGHT FIXTURE – STATION/OFFSET GIVEN IS CENTER OF LIGHT FIXTURE (SEE FAA AC 150/5340-30)
RETROREFLECTIVE EDGE MARKER	2'-10'	MEASURE TO CENTER OF MARKER – STATION/OFFSET GIVEN IS CENTER OF MARKER (SEE FAA AC 150/5340-30)
HANDHOLE		STATION/OFFSET GIVEN IS CENTER OF HANDHOLE LID

GENERAL NOTES

1. EQUIPMENT NUMBERS SHOWN ARE FOR CONSTRUCTION REFERENCE ONLY. COORDINATE WITH AIRPORT MAINTENANCE FOR LABELING OF ALL EQUIPMENT.
2. CONTRACTOR TO ENSURE NEW TAXIWAY EDGE LIGHT LOCATIONS DO NOT EXCEED 10 FEET FROM EDGE OF FULL STRENGTH PAVEMENT/OUTER EDGE OF TAXIWAY EDGE MARKING AND ARE IN-LINE WITH EXISTING TAXIWAY EDGE LIGHTING IF APPLICABLE – PERFORM FIELD ADJUSTMENTS AS NECESSARY. CONTRACTOR SHALL CONFIRM ANY DIFFERENCES OF MEASUREMENTS/DISCREPANCIES, WHEN SURVEY OF LIGHT LOCATIONS IS BEING PERFORMED, WITH ENGINEER BEFORE LIGHT BASE IS INSTALLED.
3. OFFSETS GIVEN FOR EACH EQUIPMENT TYPE ARE MEASURED FROM NEAREST TAXIWAY CENTERLINE (ALIGNMENT).

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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

PBX DVT 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

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

SHEET OVERVIEW TITLE

EQUIPMENT DATA TABLES

SHEET REFERENCE NUMBER:
EA-603

SHEET 106 OF 107

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NEW AIRFIELD GUIDANCE SIGN LOCATIONS

SIGN	STATION	OFFSET
SGN-1	97+99.16	53.89' RT
SGN-2	100+03.14	56.64' RT
SGN-3	100+56.48	43.63' LT
SGN-4	65+84.47	38.91' RT
SGN-5	67+52.51	39.12' LT
SGN-6	101+09.18	54.28' LT
SGN-7	98+66.16	63.15' LT
SGN-8	98+66.15	63.10' RT
SGN-9	100+49.50	42.21' RT
SGN-10	69+18.60	50.09' RT
SGN-11	101+34.89	61.31' LT
SGN-12	98+66.08	62.32' LT
SGN-13	98+66.07	79.23' RT
SGN-14	100+49.50	37.99' RT
SGN-15	102+56.14	35.50' RT
SGN-16	104+45.37	89.25' LT
SGN-17	103+00.50	51.63' LT
SGN-18	103+00.50	65.63' LT
SGN-19	77+07.46	59.29' LT

ADD ALT 1 { SGN-5 through SGN-10

NEW RUNWAY GUARD LIGHT LOCATIONS

RGL-#	STATION	OFFSET
RGL-1	100+07.22	52.10' RT
RGL-2	100+56.94	39.64' LT
RGL-3	100+49.47	38.21' LT
RGL-4	100+49.53	38.21' RT
RGL-5	100+49.47	38.21' LT
RGL-6	100+49.53	33.99' RT
RGL-7	103+00.50	47.76' LT
RGL-8	103+00.53	31.50' LT

ADD ALT 1 { RGL-3 and RGL-4

NEW JUNCTION CAN LOCATIONS

(ADD ALT 1)

JC-#	STATION	OFFSET	TYPE (SIZE)
JC-1	98+59.95	83.27' LT	L-867B (12" DIA)

EQUIPMENT LOCATION STANDARDS TABLE

(PROVIDE FOR REFERENCE ONLY)

EQUIPMENT TYPE	FAA LOCATION STANDARD	NOTES
SIZE 1 AIRFIELD GUIDANCE SIGNS	10' – 20' (SEE NOTE 3)	MEASURE TO SIGN EDGE CLOSEST TO TAXIWAY EDGE/OUTER TAXIWAY EDGE MARKING (SEE FAA AC 1505340-18)
SIZE 2 AIRFIELD GUIDANCE SIGNS	20' – 35' (SEE NOTE 3)	MEASURE TO SIGN EDGE CLOSEST TO TAXIWAY EDGE/OUTER TAXIWAY EDGE MARKING (SEE FAA AC 1505340-18)
JUNCTION CAN		STATION/OFFSET GIVEN IS CENTER OF JUNCTION CAN LID
RUNWAY GUARD LIGHT (RGL)	10' – 17' (NEAR SIDE OF INSTALLED FIXTURE)	MEASURE FROM TAXIWAY EDGE/OUTER TAXIWAY EDGE MARKING. STATION/OFFSET GIVEN IS CENTER OF BASE CAN ON WHICH RGL FIXTURE IS MOUNTED. (SEE FAA AC 150/5340-30)

GENERAL NOTES

1. EQUIPMENT NUMBERS SHOWN ARE FOR CONSTRUCTION REFERENCE ONLY. COORDINATE WITH AIRPORT MAINTENANCE FOR LABELING OF ALL EQUIPMENT.
2. OFFSETS GIVEN ARE MEASURED FROM NEAREST TAXIWAY/RUNWAY CENTERLINE (ALIGNMENT).
3. CONTRACTOR TO ENSURE AIRFIELD GUIDANCE SIGN LOCATIONS FALL WITHIN FAA SPECIFICATIONS. CONTRACTOR SHALL CONFIRM ANY DIFFERENCES OF MEASUREMENTS/DISCREPANCIES, WHEN SURVEY OF AIRFIELD GUIDANCE SIGN AND BASE IS BEING PERFORMED, WITH ENGINEER BEFORE SIGN BASE IS INSTALLED.

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CITY OF PHOENIX AVIATION DEPARTMENT

DEER VALLEY AIRPORT
RELOCATE TAXIWAY B AND
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SHEET OVERVIEW TITLE

EQUIPMENT DATA TABLES

SHEET REFERENCE NUMBER:
EA-604

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