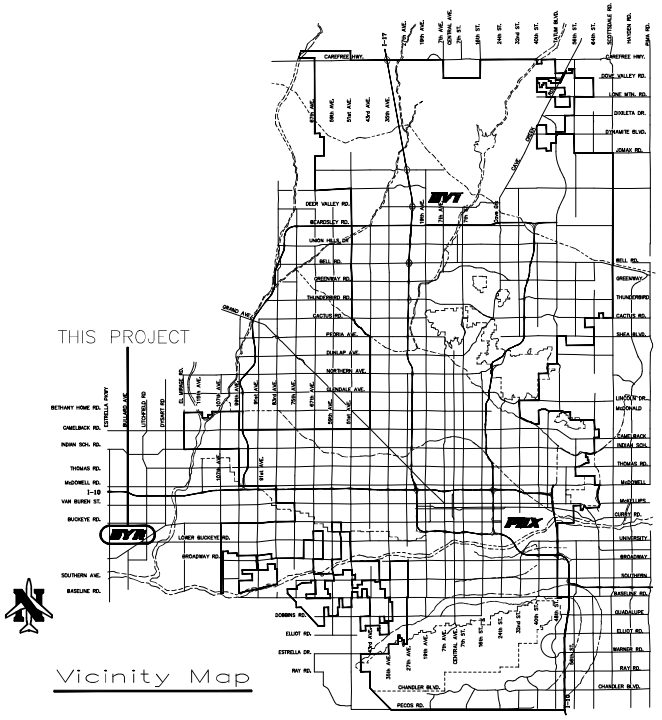
CITY OF PHOENIX

AVIATION DEPARTMENT

DESIGN & CONSTRUCTION SERVICES

PROJECT NAME	**GOODYEAR AIRPORT INFIELD PAVING - PHASE II**
ADDRESS	**1658 SOUTH LITCHFIELD ROAD, GOODYEAR, AZ 85338**
PROJECT NUMBER	**AV41000079 ADOT**
ADOT GRANT NUMBER	**E3S2I 01C & E4SSM 01C & E5S5D 01C**



Vicinity Map

MAYOR
KATE GALLEGO

VICE MAYOR
ANN O'BRIEN

CITY COUNCIL

DISTRICT NO. 1 ANN O'BRIEN
DISTRICT NO. 2 JIM WARING
DISTRICT NO. 3 DEBRA STARK
DISTRICT NO. 4 LAURA PASTOR
DISTRICT NO. 5 BETTY GUARDADO
DISTRICT NO. 6 KEVIN ROBINSON
DISTRICT NO. 7 ANNA HERNANDEZ
DISTRICT NO. 8 KESHA HODGE WASHINGTON

PHOENIX AVIATION ADVISORY BOARD

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SHARON HWANG
VERMA PASTOR
DAVID SHILLIDAY
DAN BROWNLEE (EX-OFFICIO)

CITY MANAGER	JEFFREY BARTON
CITY ENGINEER	ERIC FROBERG, P.E.
DEPUTY AVIATION DIRECTOR	CANDACE HUFF, P.E.

APPROVALS

Candace Huff (Sep 8, 2025 10:24:15 PDT)

DEPUTY AVIATION DIRECTOR
DESIGN & CONSTRUCTION SERVICES DIVISION

09/08/2025
DATE

Registered Professional Engineer
15457
GREG R. SHAW
ARIZONA, U.S.A.

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

AV41000079 ADOT - ISSUED FOR BID

PHX DVT GYR
CITY OF PHOENIX AVIATION DEPARTMENT

APPROXIMATE QUANTITIES

LINE NO.	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
1	C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
2	C-102-6.1	STORMWATER POLLUTION PREVENTION	LS	1
3	C-105	MOBILIZATION (4% MAXIMUM)	LS	1
4	SP-30.1	CONSTRUCTION SURVEY LAYOUT	LS	1
5	SP-31.1	MISCELLANEOUS REMOVALS AND OTHER WORK (ALLOWANCE)	ALLOWANCE	1
6	SP-32.1	UNFORESEEN UTILITY LOCATING (ALLOWANCE)	ALLOWANCE	1
7	SP-34.1	AIRPORT SAFETY AND SECURITY (M-003)	LS	1
8	SP-35.1	RAISE EXISTING UTILITY VAULT	EA	3
9	SP-35.2	LOWER EXISTING UTILITY VAULT	EA	3
10	SP-35.4	ADJUST EXISTING MONITORING WELL TO GRADE	EA	2
11	SP-36.1	EXISTING UTILITY RELOCATIONS OR REMOVAL (ALLOWANCE)	ALLOWANCE	1
12	SP-39.1	APPLY HERBICIDE AND PRE-EMERGENT	SY	86743
13	P-101-5.1	REMOVE ASPHALT PAVEMENT (FULL DEPTH UP TO 3")	SY	6781
14	P-101-5.7.1	REMOVE EXISTING 18" RGRCP	LF	37
15	P-101-5.7.2	REMOVE EXISTING CATCH BASIN	EA	11
16	P-151-4.1	CLEARING AND GRUBBING	LS	1
17	P-152-7.1	UNCLASSIFIED EXCAVATION	CY	10356
18	P-152-7.2	OVER EXCAVATION OF UNSUITABLE MATERIALS AND BACKFILL WITH SELECT MATERIAL (ALLOWANCE)	ALLOWANCE	1
19	P-152-7.3	UNFORESEEN SOIL CONDITIONS (ALLOWANCE)	ALLOWANCE	1
20	P-403-7.1	ASPHALT CONCRETE PAVEMENT (MAG D-1/2 INCH)	TON	9764
21	D-701-6.1	18-INCH RGRCP, CLASS V	LF	101
22	D-701-6.2	24-INCH RGRCP, CLASS V	LF	12
23	D-701-6.3	18-INCH CONCRETE PIPE COLLAR PER MAG STD DTL 505	EA	1
24	D-701-6.4	24-INCH CONCRETE PIPE COLLAR PER MAG STD DTL 505	EA	1
25	D-751-6.1	CONSTRUCT CONCRETE CATCH BASIN PER MAG STD DTL 537 (SINGLE)	EA	1
26	D-751-6.2	CONSTRUCT CONCRETE CATCH BASIN PER MAG STD DTL 537 (DOUBLE)	EA	4
27	D-751-6.3	CONSTRUCT CONCRETE CATCH BASIN PER COP STD DTL P1570 (TRIPLE) T=6"	EA	3
28	D-751-6.4	CONSTRUCT CONCRETE CATCH BASIN PER COP STD DTL P1570 (TRIPLE) T=8"	EA	3
29	D-751-6.5	CONSTRUCT AIRCRAFT RATED STORM DRAIN MANHOLE	EA	7
30	L-100-5.1	REMOVE EXISTING AIRFIELD LIGHTING CABLE TO LOWER CONDUIT OR DUCT BANK SEGMENTS	LF	13345
31	L-100-5.2	EXCAVATE AND REMOVE EXISTING CONDUIT OR SEGMENT (IF REQUIRED – UTILITY RELOCATION ITEM)	LF	2350
32	L-100-5.3	EXCAVATE AND REMOVE EXISTING DUCTBANK OR SEGMENT (IF REQUIRED – UTILITY RELOCATION ITEM)	LF	1275
33	L-100-5.4	REMOVE AND SALVAGE EXISTING AIRFIELD GUIDANCE SIGN FOR REINSTALLATION, REMOVE CONCRETE SIGN BASE	EA	3
34	L-100-5.5	REMOVE ABANDONED SIGN BASE / CONCRETE FOUNDATION	EA	2
35	L-100-5.6	REMOVE AND SALVAGE EXISTING TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER, REMOVE EXISTING BASE CAN	EA	1
36	L-100-5.7	REMOVE AND SALVAGE EXISTING TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER, INSTALL TEMP COVER ON EXISTING BASE CAN	EA	5
37	L-100-5.8	REMOVE AND SALVAGE EXISTING ELEVATED RUNWAY GUARD LIGHT AND ISOLATION TRANSFORMER, REMOVE EXISTING BASE CAN	EA	1
38	L-100-5.9	EXCAVATE AND REMOVE EXISTING 4'X4'X4' CONCRETE HAND HOLE	EA	3
39	L-100-5.10	ADJUST EXISTING CONCRETE DUCT MARKER TO GRADE	EA	1
40	L-100-5.11	TEMPORARY AIRFIELD LIGHTING AND CABLE JUMPERS	LS	1
41	L-107-5.1	REMOVE AND SALVAGE EXISTING SUPPLEMENTAL WIND CONE, REMOVE CONCRETE FOUNDATION	EA	1
42	L-107-5.2	INSTALL NEW L-806(L) INTERNALLY LIGHTED LED SUPPLEMENTAL WIND CONE AND ISOLATION TRANSFORMER ON NEW CONCRETE BASE	EA	1
43	L-108-5.1	L-824, TYPE C, 1/C #8 AWG, 5KV CABLE (W/ BARE #6 STRANDED CU. GROUND)	LF	500
44	L-108-5.2	L-824, TYPE C, 2/C #8 AWG, 5KV CABLE (W/ BARE #6 STRANDED CU. GROUND OR INSULATED FOR 480V CIRCUITS)	LF	15365
45	L-108-5.3	BARE #6 SOLID COPPER COUNTERPOISE CONDUCTOR WITH TWO EACH EXOTHERMIC SPLICES (IF REQUIRED – EXISTING COUNTERPOISE REPAIR ITEM)	LF	1000
46	L-110-5.1	SINGLE-WAY, (1) – 2" CONDUIT, SLURRY ENCASED (IF REQUIRED – UTILITY RELOCATION ITEM)	LF	2715
47	L-110-5.2	MULTIPLE-WAY, (2) – 2" CONDUIT, SLURRY ENCASED (IF REQUIRED – UTILITY RELOCATION ITEM)	LF	245
48	L-110-5.3	MULTIPLE-WAY, (4) – 2" CONDUIT, SLURRY ENCASED (IF REQUIRED – UTILITY RELOCATION ITEM)	LF	750
49	L-110-5.4	MULTIPLE-WAY, (6) – 2" CONDUIT, SLURRY ENCASED (IF REQUIRED – UTILITY RELOCATION ITEM)	LF	235
50	L-110-5.5	MULTIPLE-WAY, (2) – 4" CONDUIT, SLURRY ENCASED (IF REQUIRED – UTILITY RELOCATION ITEM)	LF	50
51	L-110-5.6	3" MIN / 6" MAX CONCRETE CAP (IF TOP OF EXISTING CONDUITS ARE WITHIN 3" OF 18" MINIMUM DEPTH BELOW MODIFIED GRADE)	LF	485
52	L-115-5.1	NEW 4'X4'X4' AIRCRAFT RATED HAND HOLE AND LID WITH CYLINDER ASSISTED OPENING HATCH	EA	3
53	L-115-5.2	RECONFIGURE RGL ISOLATION BOXES AND CONDUITS IN EXISTING LOWERED HANDHOLE (IF REQUIRED – UTILITY RELOCATION ITEM)	EA	3
54	L-115-5.3	NEW RGL ISOLATION BOXES AND CONDUITS IN NEW HANDHOLE	EA	3
55	L-115-5.4	NEW HANDHOLE IDENTIFICATION PLAQUE INSTALLED ON HANDHOLE LID	EA	3
56	L-115-5.5	ADJUST EXISTING ELECTRICAL JUNCTION BOX TO NEW GRADE	EA	2
57	L-125-5.1	INSTALL SALVAGED SIZE 2, 2-MOD SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE	EA	2
58	L-125-5.2	INSTALL SALVAGED SIZE 2, 3-MOD SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE	EA	1
59	L-125-5.3	INSTALL SALVAGED TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER ON NEW L-867 BASE	EA	1
60	L-125-5.4	INSTALL SALVAGED TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER ON EXISTING BASE	EA	5
61	L-125-5.5	INSTALL SALVAGED RUNWAY GUARD LIGHT AND ISOLATION TRANSFORMER ON NEW L-867 BASE	EA	1
62	L-125-5.6	INSTALL 3" L-867B EXTENSION ON EXISTING BASE WITH NEW GASKETS, COATED BOLTS AND SPLIT WASHERS FOR ELEVATION ADJUSTMENT (IF REQUIRED – UTILITY RELOCATION ITEM)	EA	5

INDEX OF SHEETS

SHEET NO.	SHEET TITLE	SHEET DESCRIPTION
01	GI-001	COVER SHEET
02	GI-002	QUANTITY SUMMARY AND SHEET INDEX
03	GI-003	GENERAL NOTES
04	GI-004	LEGEND AND ABBREVIATIONS
05	GI-401	PROJECT LAYOUT PLAN
06	VF-401	SURVEY CONTROL PLAN
07	GC-400	OVERALL CONSTRUCTION PHASING PLAN
08	GC-401	CONSTRUCTION PHASING PLAN PHASE 1
09	GC-402	CONSTRUCTION PHASING PLAN PHASE 2
10	GC-403	CONSTRUCTION PHASING PLAN PHASE 3
11	GC-404	CONSTRUCTION PHASING PLAN PHASE 4
12	GC-405	CONSTRUCTION PHASING PLAN PHASE 5A
13	GC-406	CONSTRUCTION PHASING PLAN PHASE 5B
14	GC-407	CONSTRUCTION PHASING PLAN PHASE 5C
15	GC-408	CONSTRUCTION PHASING PLAN PHASE 5D
16	GC-501	CONSTRUCTION PHASING DETAILS
17	EC-100	OVERALL STORMWATER POLLUTION PREVENTION PLAN
18	EC-101	STORMWATER POLLUTION PREVENTION PLAN
19	EC-102	STORMWATER POLLUTION PREVENTION PLAN
20	EC-103	STORMWATER POLLUTION PREVENTION PLAN
21	EC-104	STORMWATER POLLUTION PREVENTION PLAN
22	EC-501	STORMWATER POLLUTION PREVENTION DETAILS
23	CS-501	TYPICAL SECTIONS AND DETAILS
24	CS-502	DETAILS
25	CS-503	DETAILS
26	CS-504	DETAILS (FOR REFERENCE ONLY)
27	CS-505	DETAILS (FOR REFERENCE ONLY)
28	CG-101	INFIELD UTILITY ADJUSTMENTS AND PAVING
29	CG-102	INFIELD UTILITY ADJUSTMENTS AND PAVING
30	CG-103	INFIELD UTILITY ADJUSTMENTS AND PAVING
31	CG-104	INFIELD UTILITY ADJUSTMENTS AND PAVING
32	CG-105	INFIELD UTILITY ADJUSTMENTS AND PAVING
33	CG-106	INFIELD UTILITY ADJUSTMENTS AND PAVING
34	CG-107	INFIELD UTILITY ADJUSTMENTS AND PAVING
35	CG-108	INFIELD UTILITY ADJUSTMENTS AND PAVING
36	CG-109	INFIELD UTILITY ADJUSTMENTS AND PAVING
37	EA-001	ELECTRICAL LEGEND AND NOTES
38	EA-101	AIRFIELD ELECTRICAL SITE PLAN
39	EA-102	AIRFIELD ELECTRICAL SITE PLAN
40	EA-103	AIRFIELD ELECTRICAL SITE PLAN
41	EA-104	AIRFIELD ELECTRICAL SITE PLAN
42	EA-105	AIRFIELD ELECTRICAL SITE PLAN
43	EA-106	AIRFIELD ELECTRICAL SITE PLAN
44	EA-107	AIRFIELD ELECTRICAL SITE PLAN
45	EA-108	AIRFIELD ELECTRICAL SITE PLAN
46	EA-501	DUCTBANK DETAILS
47	EA-502	5KV CABLE SPLICE AND GROUNDING DETAILS
48	EA-503	CABLE RACKING AND RGL ISOLATION DETAILS
49	EA-504	WINDCONE DETAILS
50	EA-505	HANDHOLE NAME PLAQUE DETAILS
51	EA-506	EXISTING ELEVATED EDGE LIGHT AND RGL INSTALLATION DETAILS
52	EA-507	NEW CAST-IN-PLACE CONCRETE SIGN BASE DETAILS
53	EA-508	NEW 4'X4'X4' CONCRETE HANDHOLE DETAILS

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

Professional Engineer (Civil) 64157 Oscar R Stilwell Date Expires: 09/30/2026 ARIZONA, U.S.A.

"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

GOODYEAR AIRPORT
INFIELD PAVING
PHASE II

AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 08/29/2025
Dwg scale: NTS

SHEET OVERVIEW TITLE

QUANTITY SUMMARY AND SHEET INDEX

SHEET REFERENCE NUMBER:
GI-002

N:\2024\240303 – GYR Infield Paving Ph II\240303.01 GYR Infield Paving Phase II Design\Dwg\Dwg\ AV41000079 FAA-ADOT GI-002.dwg – Aug 28,2025 4:12pm

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, 2015 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 REPAIRED 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:

ARIZONA PUBLIC SERVICE	(602) 615–4823,	CONTACT: COLIN BARLEYCORN
FAA FACILITIES	(858) 264–7621,	CONTACT: MARIO SANCHEZ
LUMEN	(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,	CONTACT: OPERATOR
NON–EMERGENCY POLICE	(623) 932–4550,	CONTACT: OPERATOR
COP ELECTRICAL	(602) 339–7733,	CONTACT: ROBERT ARTHUR
COP COMMUNICATIONS	(602) 708–0244,	CONTACT: CHAD BLOTKAMP
COP UTILITIES	(602) 708–0244,	CONTACT: CHAD BLOTKAMP
GT&R (GOODYEAR TIRE AND RUBBER) REMEDIATION FACILITIES	(602) 370–3443,	CONTACT: PEJMAN ESHRAGHI

18. 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.

19. 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.

20. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES AND ELECTRICAL SYSTEMS TO REMAIN PRIOR TO COMMENCING ANY DRAINAGE EXCAVATION.

21. 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.

22. 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.

23. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FIRE HYDRANTS AT ALL TIMES.

24. 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.

25. 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.

26. 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.

27. 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.

28. THE CONTRACTOR SHALL INVESTIGATE THE AVAILABILITY OF AN ADEQUATE SUPPLY OF SUITABLE WATER FROM AN ON–SITE LOCATION, PROVIDE A METER FOR MONITORING USAGE IN CONJUNCTION WITH AIRPORT OPERATIONS STAFF AND REIMBURSE THE CITY OF PHOENIX AT A RATE OF $13.84 PER 1000 GALLONS IN ONE PAYMENT AT THE END OF THE PROJECT.

29. 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.

30. 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.

31. 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.

32. 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.

33. 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.

34. 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.

35. 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.

36. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRANSPORTING EMPLOYEES TO AND FROM THE PROJECT SITE IF NECESSARY.

37. 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.

38. 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:

   - GYR RULES AND REGULATIONS.
   - GYR PROCEDURES FOR THE OPERATION OF GROUND VEHICLES.
   - FAILURE TO COMPLY WITH GYR RULES AND REGULATIONS AND/OR PROCEDURES FOR THE OPERATION OF GROUND VEHICLES, WILL REQUIRE THE PERSON TO ATTEND A MOVEMENT AREA OPERATING PROCEDURES CLASS.
   - 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.

   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. 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.

43. CONSTRUCTION EQUIPMENT SHALL NOT PENETRATE THE HEIGHT RESTRICTIONS FOR FAR PART 77.

44. 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.

45. 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.

46. 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.

47. 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. CONTRACTOR SHALL COORDINATE WITH AVIATION ENVIRONMENTAL SECTION FOR THE TESTING AND ABATEMENT OF LEAD–BASED PAINTS ON THE PROJECT SITE.

48. BEFORE ANY WORK COMMENCES, AN ASBESTOS AND LEAD SURVEY NEEDS TO BE COMPLETED. THE CONTRACTOR SHALL CONTACT CHRIS CISNEROS AT (602) 769–6476 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 CHRIS CISNEROS 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.

49. 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 RICK ROGOWSKI 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.

50. IF THE PROJECT WILL DISTURB MORE THAN 1/10 OF AN ACRE. THE CONTRACTOR SHALL OBTAIN A MARICOPA COUNTY DUST CONTROL PERMIT PRIOR TO CONSTRUCTION. IF THE PROJECT IS LESS THAN 1/10 OF AN ACRE, A MARICOPA COUNTY DUST CONTROL PERMIT WILL NOT BE REQUIRED; HOWEVER, IF THE CONTRACTOR ENGAGES IN ANY DUST–GENERATING ACTIVITY COVERED BY THE MARICOPA COUNTY AIR POLLUTION CONTROL REGULATIONS REGULATION III – CONTROL OF AIR CONTAINMENTS RULE 310, THE RULE REQUIREMENTS APPLY AT ALL TIMES.

51. 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.

52. 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.

53. CONTRACTOR TO OBTAIN PERMIT FROM THE WATER DEPARTMENT TO ACCESS STORM DRAINS, STORM DRAIN MANHOLES, AND SANITARY SEWER MANHOLES IF REQUIRED. ALL NEW OR REPLACEMENT MANHOLE COVERS FOR STORM DRAIN OR SANITARY SEWER MUST HAVE THE STANDARD BOLT TO OPEN (NO SCREWS, HEX OR METRIC) OR BE PARAMEX LID AND LABELED "STORM DRAIN" OR "SANITARY SEWER".

54. SERVICE ROAD ACCESS SHALL BE MAINTAINED AT ALL TIMES. ALIGNMENT FOR SERVICE ROAD DETOURS SHALL BE APPROVED BY AIRPORT OPERATIONS AND SECURITY.

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

Professional Engineer (Civil) – Steven Sanders – 24157 – 08/29/25 – Date Signed – Arizona, U.S.A.

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT GYR
CITY OF PHOENIX AVIATION DEPARTMENT
GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 08/29/2025
Dwg scale: NTS

SHEET OVERVIEW TITLE

GENERAL NOTES

SHEET REFERENCE NUMBER:
GI-003

SHEET 03 OF 53

N:\2024\240303 – GYR Infield Paving Ph II\240303.01 GYR Infield Paving Phase II Design\Dwg\Dwg\ AV41000079 FAA–ADOT–GI–003.dwg – Aug 28,2025 4:45pm

ABBREVIATIONS

ABBREVIATIONS	DEFINITIONS
7L/25R	RUNWAY DESIGNATION
ABC	AGGREGATE BASE COURSE
AC	ASPHALTIC CONCRETE
ADOT	ARIZONA DEPARTMENT OF TRANSPORTATION
AIP	AIRPORT IMPROVEMENT PROGRAM
APS	ARIZONA PUBLIC SERVICE
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
CL OR ℄	CENTER LINE
C TO C	CENTER TO CENTER
CMP	CORRUGATED METAL PIPE
CONC	CONCRETE
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
E	EAST OR EASTING
EA	EACH
ELEC	ELEC/ELECTRICAL
EL OR ELEV	ELEVATION
EX OR EXST	EXISTING
FAA	FEDERAL AVIATION ADMINISTRATION
FIN	FINISHED
FL OR ℄	FLOW LINE
FT	FOOT
GPM	GALLONS PER MINUTE
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
JB	JUNCTION BOX
L	LENGTH OR LEFT
LBS	POUNDS
LF	LINEAL FOOT
LS	LUMP SUM
LT	LEFT
MAG	MARICOPA ASSOCIATION OF GOVERNMENTS
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
N	NORTH OR NORTHING
NO.	NUMBER
NPI	NON-PAY-ITEM
NTS	NOT TO SCALE
N/A	NON APPLICABLE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFZ	OBSTACLE FREE ZONE
PROP	PROPOSED
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
R	RADIUS OR RIGHT
RCP	REINFORCED CONCRETE PIPE
REINF	REINFORCING
ROFA	RUNWAY OBJECT FREE AREA
ROW	RIGHT-OF-WAY
RPZ	RUNWAY PROTECTION ZONE
RSA	RUNWAY SAFETY AREA
RT	RIGHT
RWY	RUNWAY
S	SOUTH OR SLOPE
SAL	SAFETY AREA LIMITS
SD	STANDARD DETAIL OR STORM DRAIN
SECT	SECTION
SHT	SHEET
SPECS	SPECIFICATIONS
STA	STATION
SY	SQUARE YARDS
T	TANGENT LENGTH
TSA	TAXIWAY SAFETY AREA
TWY	TAXIWAY
TYP	TYPICAL
UG	UNDERGROUND
VCP	VITRIFIED CLAY PIPE
W	WEST OR WATER
w	WATT
WT	WEIGHT
#	REBAR SIZE NUMBER

ABBREVIATIONS

ABBREVIATIONS	DEFINITIONS
@	AT
ILS	INSTRUMENT LANDING SYSTEM
HP	HIGH POINT
GALV	GALVANIZED
GAL	GALLON
GA	GAUGE
EVC	END VERTICAL CURVE
ESMT	EASEMENT
CONST	CONSTRUCTION
CFS	CUBIC FEET PER SECOND
BVC	BEGIN VERTICAL CURB
BOT	BOTTOM
BC	BEGIN CURVE
ATCT	AIR TRAFFIC CONTROL TOWER
APPROX	APPROXIMATE
ARFF	AIRPORT RESCUE AND FIRE FIGHTING
AOA	AIR OPERATIONS AREA
ALT	ALTERNATE
CTB	CEMENT TREATED BASE
SWPPP	STORM WATER POLLUTION PREVENTION PLAN
SCHD	SCHEDULE
PSHIA	PHOENIX SKY HARBOR INTERNATIONAL AIRPORT
RGRCP	RUBBER GASKET REINFORCED CONCRETE PIPE
KV	KILOVOLT
NAVD	NORTH AMERICAN VERTICAL DATUM
CLSM	CONTROLLED LOW STRENGTH MATERIAL
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
NOTAM	NOTICE TO AIRMAN
TBM	TEMPORARY BENCH MARKS
COP	CITY OF PHOENIX
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PCC	PORTLAND CEMENT CONCRETE
PCCP	PORTLAND CEMENT CONCRETE PAVEMENT
PETRO	PETROLEUM
PT	POINT OF TANGENCY
PVI	POINT OF VERTICAL INTERSECTION
CPM	CRITICAL PATH METHOD
ADEQ	ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
SF	SQUARE FEET OR SEMI-FLUSH
STD	STANDARD
VC	VERTICAL CURVE
V OR VERT	VERTICAL
TOFA	TAXIWAY OBJECT FREE AREA
N.O.T.	NOTICE OF TERMINATION
N.O.I.	NOTICE OF INTENT
SIDA	SECURITY IDENTIFICATION DISPLAY AREA
DVT	DEER VALLEY AIRPORT
CPM	CRITICAL PATH METHOD

LEGEND

DESCRIPTION	EXISTING	PROPOSED
CONCRETE SIGN BASE		
RUNWAY/TAXIWAY EDGE LIGHT		
FLUSH RUNWAY/TAXIWAY EDGE LIGHT		
RUNWAY GUARD LIGHT		
SANITARY SEWER AND MANHOLE	S — SS_x	S — SS_x
STORM DRAIN, MANHOLE & INLET	D — □	D — □
RUNWAY/TAXIWAY CENTERLINE		
CHAIN LINK FENCE		
MAJOR CONTOUR LINES	1125	1125
MINOR CONTOUR LINES		
FIBER OPTIC	FO	FO
GRADE BREAK		
FLOW LINE		
APS MANHOLE	APS	APS
MONITORING WELL	MW	MW
WATER LINE	W_x	W_x
TELEPHONE	CU_x	CU_x
GAS LINE	G_x	G_x
FAA		
ELECTRICAL		
RUNWAY SAFETY AREA	RSA	RSA
TAXIWAY SAFETY AREA	TSA	TSA
RESTRICTED RUNWAY SAFETY AREA	RSA (R)	RSA (R)
RESTRICTED TAXIWAY SAFETY AREA	TSA (R)	TSA (R)
CONSTRUCTION NOTE		1
SWPPP NOTE		1
REFERENCE NOTE OR STORM DRAIN CONSTRUCTION NOTE		1
ADJUSTMENT/REMOVAL/DEMOLITION NOTE		1
SPOT ELEVATION	XX.XX	XX.XX / XX.XXG
SPOT ELEVATION–CATCH BASIN GRATE		
SAWCUT FULL DEPTH AND MATCH EXISTING		SM
MATCH EXISTING		ME

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

SUB CONSULTANT

Registered Professional Engineer (Civil) — Gregory Shaw — 44157 — Date Signed — ARIZONA, U.S.A.

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NO	REVISIONS / SUBMISSIONS	DATE

PHX INT'L AIRPORT — CITY OF PHOENIX AVIATION DEPARTMENT

GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

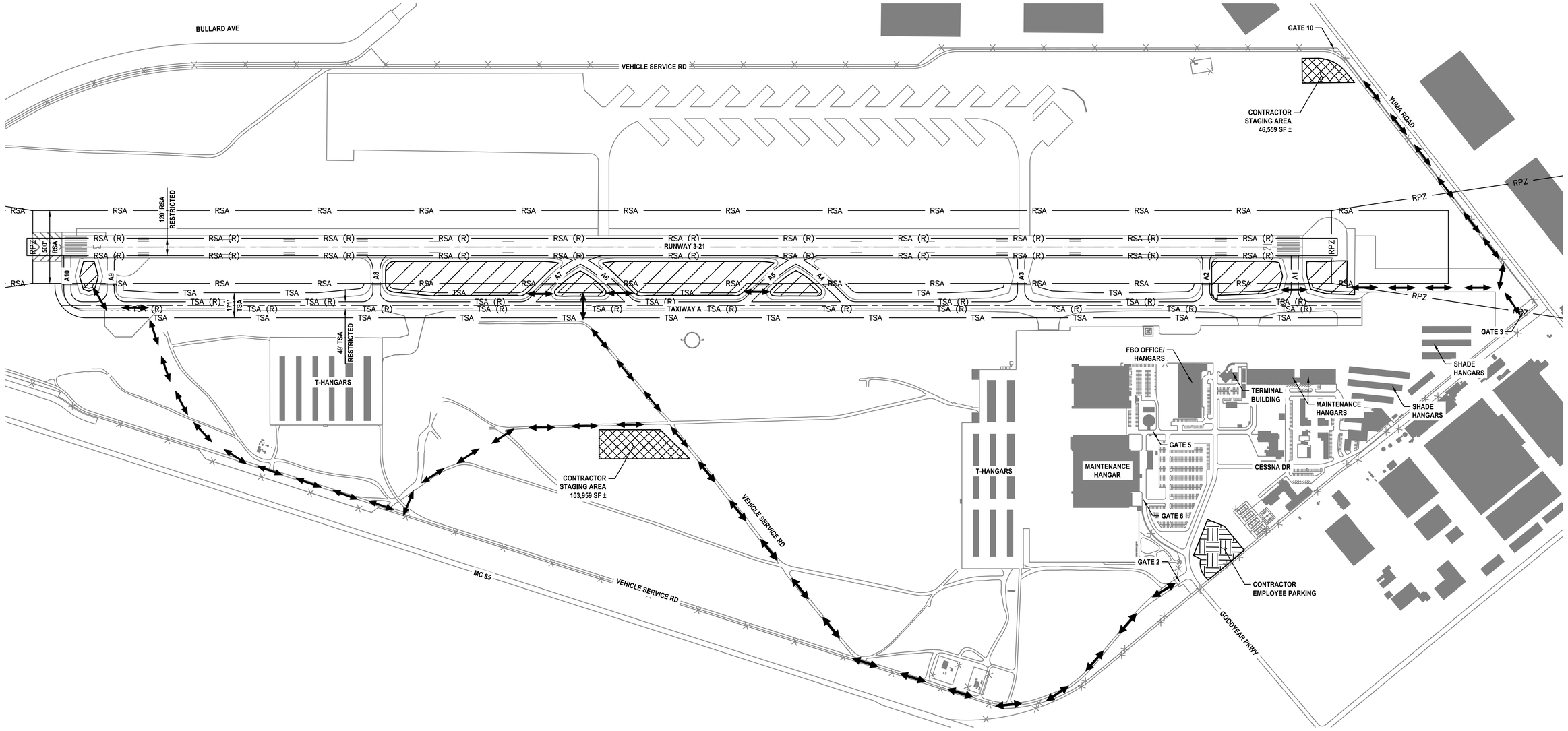
Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 08/29/2025
Dwg scale: NTS

SHEET OVERVIEW TITLE

LEGEND AND ABBREVIATIONS

SHEET REFERENCE NUMBER:
GI-004
SHEET 04 OF 53

N:\2024\240303 - GYR Infield Paving Ph II\240303.01 GYR Infield Paving Phase II Design\Dwg\Dwg\ AV41000079 FAA-ADOT-GI-004.dwg - Aug 27,2025 1:45pm



LEGEND

- CONTRACTOR HAUL ROUTE
- RPZ — RUNWAY PROTECTION ZONE
- RSA — RUNWAY SAFETY AREA
- TSA — TAXIWAY SAFETY AREA
- RSA (R) — RESTRICTED RUNWAY SAFETY AREA
- TSA (R) — RESTRICTED TAXIWAY SAFETY AREA
- PROJECT AREA
- CONTRACTOR STAGING AREA
- EMPLOYEE PARKING AREA

NOTES:

1. AREAS SHOWN ARE INTENDED TO BE AN APPROXIMATE GEOGRAPHICAL REPRESENTATION.
2. THE CONTRACTOR SHALL COORDINATE THE LIMITS OF THE STAGING AND STORAGE AREA, THE LIMITS OF THE EMPLOYEE PARKING AND TEMPORARY FENCING WITH AIRPORT OPERATIONS PRIOR TO CONSTRUCTION.
3. CONTRACTOR CAN ACCESS THE SITE USING GATES 2 AND 3. 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 PROTECTED PER CIVIL TECHNICAL SPECIFICATION ITEM 34 PRIOR TO ANY HAULING ACTIVITIES.
6. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF TAXIWAY CROSSING POINTS WITH AIRPORT OPERATIONS WITHIN THE LIMITS OF THE PROJECT. THE AIRPORT MAY REQUIRE THE CONTRACTOR TO BE ESCORTED ACROSS ALL ACTIVE TAXIWAYS.

N

0 350' 500'

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

PRIME CONSULTANT
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SUB CONSULTANT

Professional Engineer (Civil) — Certificate No. 44157 — Date Signed — Expires — ARIZONA, U.S.A.

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT
CITY OF PHOENIX AVIATION DEPARTMENT

GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by:	G. SHAW
Drawn by:	A. SANTILLI
Checked by:	C. JHAVERI
Date:	08/29/2025
Dwg scale:	1":350'

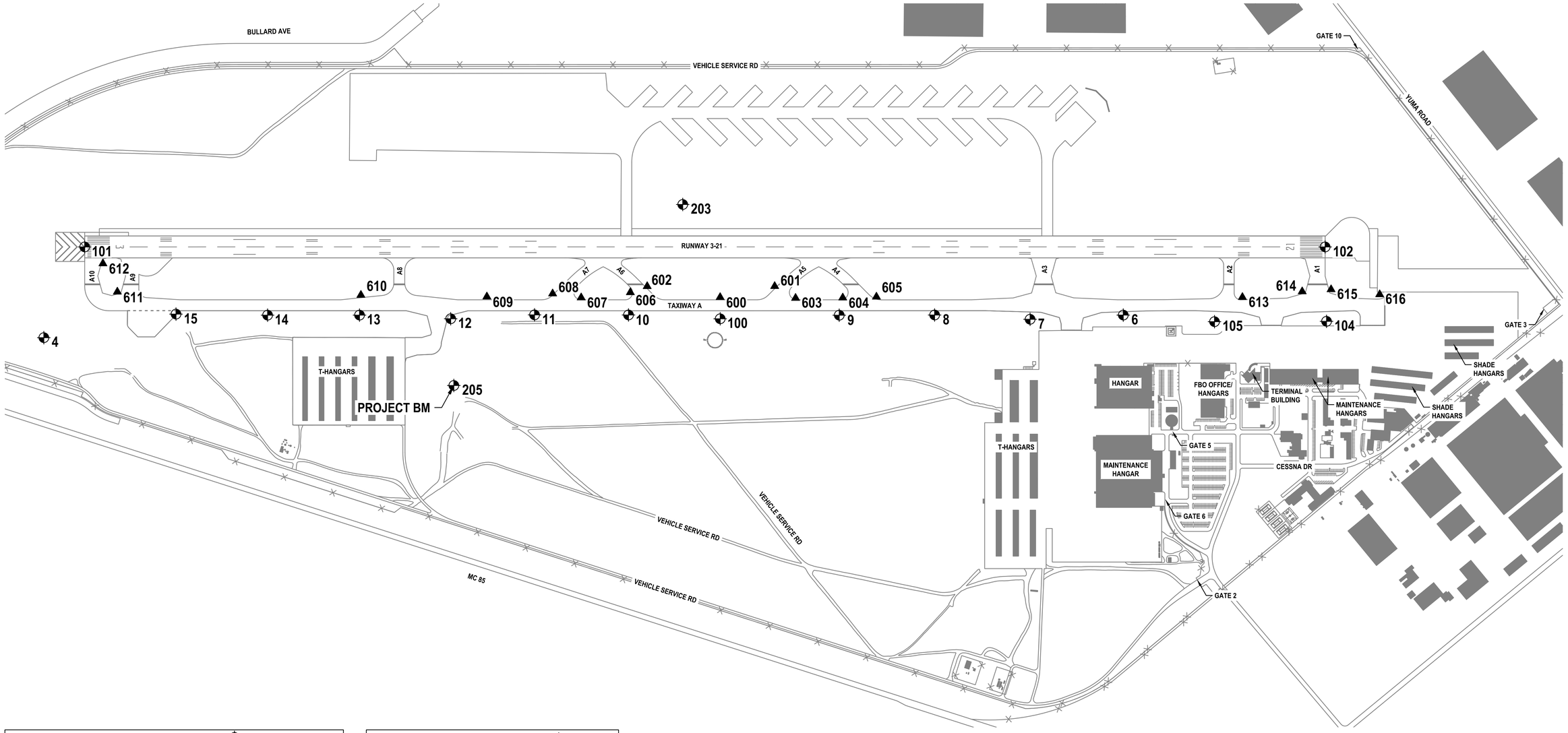
SHEET OVERVIEW TITLE

PROJECT LAYOUT PLAN

SHEET REFERENCE NUMBER:
GI-401

SHEET 05 OF 53

N:\2024\240303 — GYR Infield Paving Ph II\240303.01 GYR Infield Paving Phase II Design\Dwg\Dwg\ AV41000079 FAA-AIGT-GI-401.dwg — Aug 27,2025 1:54pm



PRIMARY CONTROL POINTS				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
4	878011.68	557795.46	941.71	GY–10
6	883909.00	562262.92	955.85	SET NAIL W/ FEATHER
7	883390.21	561889.28	957.52	SET NAIL W/ FEATHER
8	882895.50	561460.44	955.29	SET RB W/ YELLOW CAP
9	882382.10	561056.11	954.39	SET RB W/ YELLOW CAP
10	881250.73	560158.79	951.72	SET RB W/ YELLOW CAP
11	880745.91	559758.95	949.35	SET RB W/ YELLOW CAP
12	880278.75	559423.13	945.82	FOUND NAIL W/ FEATHER
13	879804.23	559016.07	944.38	SET NAIL W/ FEATHER
14	879310.02	558625.53	941.87	SET NAIL W/ FEATHER
15	878822.26	558230.41	939.93	SET X
100	881726.92	560569.12	952.31	SET AC
101	878617.36	557481.19	942.49	FOUND BRASS CAP FLUSH 3
102	885283.88	562754.44	968.75	FOUND BRASS CAP FLUSH 21
104	884974.85	563160.61	962.68	SET X
105	884371.52	562686.19	958.73	SET NAIL W/ FEATHER
203	882011.82	559795.33	956.54	FOUND BRASS CAP FLUSH GY–05
205	880011.82	559795.36	942.01	FOUND BRASS CAP FLUSH GY–09

SECONDARY CONTROL POINTS				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
600	881818.39	560453.11	953.56	SET PK
601	882158.35	560625.75	954.60	SET PK
602	881472.63	560084.26	953.24	SET PK
603	882220.42	560778.19	954.38	SET PK
604	882475.36	560977.03	954.95	SET PK
605	882660.05	561115.33	954.82	SET PK
606	881356.45	560045.37	953.25	SET PK
607	881070.04	559864.11	950.97	SET PK
608	880933.51	559721.51	950.87	SET PK
609	880567.24	559458.20	948.52	SET PK
610	879897.05	558914.22	944.55	SET PK
611	878601.85	557861.27	939.29	SET PK
612	878644.76	557647.85	941.34	SET PK
613	884625.44	562673.29	959.09	SET PK
614	884970.93	562896.85	963.08	SET PK
615	885135.00	563008.38	964.77	SET PK
616	885375.06	563241.92	966.91	SET PK

SURVEY CONTROL NOTES

THE SURVEY CONTROL PARAMETERS FOR THIS SURVEY ARE BASED ON THE CITY OF PHOENIX GOODYEAR AIRPORT CONTROL PLAN DATED FEBRUARY 26, 2015 BY MORRISON MAIERLE, PROJECT NO. AV41000070 ADOT.

ALL COORDINATES ARE SPC AZ CENTRAL ZONE NAD 83 GROUND COORDINATES SCALED ABOUT AN ORIGIN OF 0,0 USING A GRID ADJUSTMENT FACTOR OF 1.00012.

SECONDARY CONTROL WAS SET FOR INDIVIDUAL INFIELDS BASED ON THE PRIMARY CONTROL DESCRIBED ABOVE.

THE FIELD PORTION OF THIS SURVEY WAS PERFORMED DURING THE MONTH OF APRIL, 2022.

PROJECT BENCHMARK:

GY–09, A BRASS CAP FLUSH, PER THE CITY OF PHOENIX GOODYEAR AIRPORT CONTROL PLAN DATED FEBRUARY 26, 2015 BY MORRISON MAIERLE, PROJECT NO. AV41000070 ADOT HAVING AN ELEVATION OF 942.01.

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

SUB CONSULTANT

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
36559
RICHARD L.
ADKINS
Expires 09/30/26
ARIZONA, U.S.A.

"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

GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

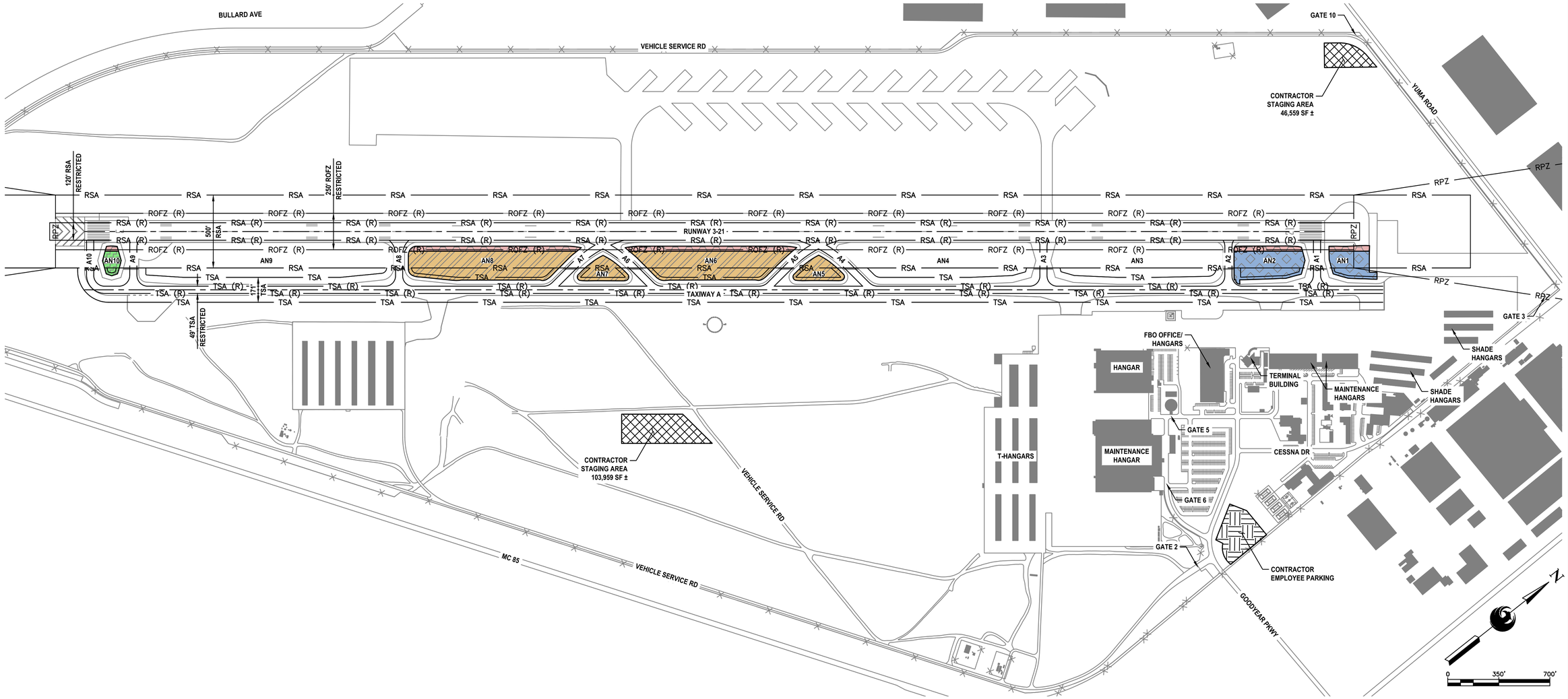
Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 08/29/2025
Dwg scale: 1":350'

SHEET OVERVIEW TITLE

SURVEY CONTROL PLAN

SHEET REFERENCE NUMBER:
VF-401
SHEET 06 OF 53

N:\2024\240303 – GYR Infield Paving Ph II\240303.01 GYR Infield Paving Phase II Design\Dwg\Dwg\ AV41000079 FAA–ADOT–VF–401.dwg – Aug 27,2025 1:55pm



LEGEND

- RPZ — RUNWAY PROTECTION ZONE
- RSA — RUNWAY SAFETY AREA
- TSA — TAXIWAY SAFETY AREA
- RSA (R) — RESTRICTED RUNWAY SAFETY AREA
- TSA (R) — RESTRICTED TAXIWAY SAFETY AREA
- ROFZ (R) — RESTRICTED RUNWAY OBSTACLE FREE ZONE
- CONTRACTOR STAGING
- EMPLOYEE PARKING AREA

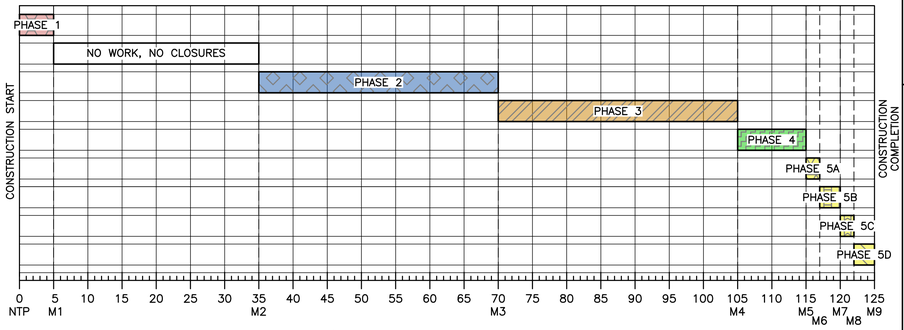
NOTES:

1. AREAS SHOWN ARE INTENDED TO BE AN APPROXIMATE GEOGRAPHICAL REPRESENTATION.
2. THE CONTRACTOR SHALL COORDINATE THE LIMITS OF THE STAGING AND STORAGE AREA, THE LIMITS OF THE EMPLOYEE PARKING AND TEMPORARY FENCING WITH AIRPORT OPERATIONS PRIOR TO CONSTRUCTION.
3. CONTRACTOR CAN ACCESS THE SITE USING GATE 2 AND 3. 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 PROTECTED PER CIVIL TECHNICAL SPECIFICATION ITEM 34 PRIOR TO ANY HAULING ACTIVITIES.

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 GYR.
3. CONSTRUCTION ACTIVITIES ARE NOT PERMITTED AT THE AIRPORT DURING GYR MORATORIUM DATES. CONTRACTOR SHALL COORDINATE WITH GYR FOR SCHEDULING OF WORK ACTIVITIES.
4. CONTRACTOR SHALL PROVIDE SUFFICIENT FLAG PERSONS TO ENSURE CONSTRUCTION VEHICLES USING THE CONSTRUCTION HAUL ROAD DO NOT INTERRUPT TRAVEL OF AIRCRAFT TO AND FROM THE GATES DURING CONSTRUCTION. FLAG PERSONS SHOWN ON THESE PLANS ARE THE MINIMUM THE CONTRACTOR MUST PROVIDE. SEE INDIVIDUAL PHASES FOR ADDITIONAL FLAG PERSONS REQUIREMENTS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH AIRPORT PERSONNEL IF FIELD CONDITIONS WARRANT ADDITIONAL FLAG PERSONS OR ESCORT VEHICLES. TWO FLAG PERSONS SHALL BE USED DURING ALL OFF SITE HAULING OPERATION AND NEW DELIVERIES OF MATERIALS.
5. THE CONTRACTOR SHALL WORK ON A SINGLE PHASE AT A TIME. EACH PHASE OF WORK MUST BE RETURNED TO FULL OPERATIONAL LEVELS PRIOR TO BEGINNING WORK ON NEXT PHASE.
6. THE CONTRACTOR SHALL PERFORM THE WORK IN THE PHASING SEQUENCES SHOWN ON THE PLANS AND AS DESCRIBED IN THE SPECIFICATIONS.
7. SEE THE INDIVIDUAL PHASING SHEETS FOR ADDITIONAL INFORMATION ON IMPACTS TO OPERATIONS ON TAXIWAY A AND RUNWAY 3–21 FOR EACH PHASE.

PHASING SCHEDULE



LEGEND

- PHASE 1 – MAXIMUM 5 CALENDAR DAYS
- PHASE 2 – MAXIMUM 35 CALENDAR DAYS
- PHASE 3 – MAXIMUM 35 CALENDAR DAYS
- PHASE 4 – MAXIMUM 10 CALENDAR DAYS
- PHASE 5A – MAXIMUM 2 CALENDAR DAYS
- PHASE 5B – MAXIMUM 3 CALENDAR DAYS
- PHASE 5C – MAXIMUM 2 CALENDAR DAYS
- PHASE 5D – MAXIMUM 3 CALENDAR DAYS
- NO WORK, NO CLOSURES

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 31 Phoenix, AZ 85034
SUB CONSULTANT

Registered Professional Engineer (Civil) — Certificate No. 44157 — Date Signed 08/29/25 — Steven R. Shaw — ARIZONA, U.S.A.

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NO	REVISIONS / SUBMISSIONS	DATE

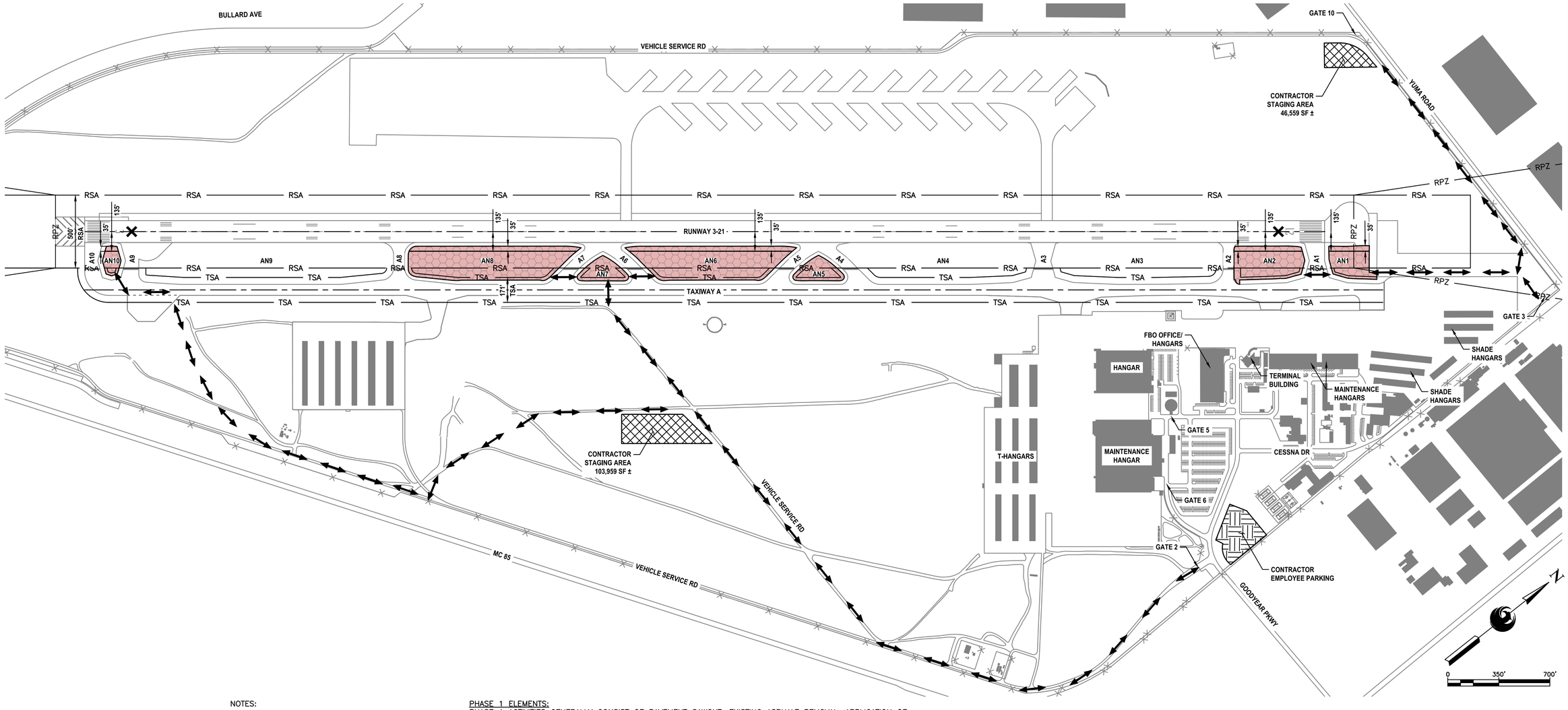
PHX GYR
CITY OF PHOENIX AVIATION DEPARTMENT
GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 08/29/2025
Dwg scale: 1"=350'

SHEET OVERVIEW TITLE
OVERALL CONSTRUCTION PHASING PLAN

SHEET REFERENCE NUMBER:
GC-400
SHEET 07 OF 53

N:\2024\240303 — GYR Infield Paving Ph II\240303.01 GYR Infield Paving Phase II Design\Dwg\Dwg\ AV41000079 FAA–ADOT–GC–400.dwg — Aug 27,2025 1:55pm



LEGEND

- CONTRACTOR HAUL ROUTE
- RUNWAY CLOSURE MARKER
- RPZ — RUNWAY PROTECTION ZONE
- RSA — RUNWAY SAFETY AREA
- TSA — TAXIWAY SAFETY AREA
- CONTRACTOR STAGING
- EMPLOYEE PARKING AREA

NOTES:

1. AREAS SHOWN ARE INTENDED TO BE AN APPROXIMATE GEOGRAPHICAL REPRESENTATION.
2. THE CONTRACTOR SHALL COORDINATE THE LIMITS OF THE STAGING AND STORAGE AREA, THE LIMITS OF THE EMPLOYEE PARKING AND TEMPORARY FENCING WITH AIRPORT OPERATIONS PRIOR TO CONSTRUCTION.
3. CONTRACTOR CAN ACCESS THE SITE USING GATE 2 AND 3. 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 PROTECTED PER CIVIL TECHNICAL SPECIFICATION ITEM 34 PRIOR TO ANY HAULING ACTIVITIES.

PHASE 1 ELEMENTS:
PHASE 1 ACTIVITIES GENERALLY CONSIST OF PAVEMENT SAWCUT, EXISTING ASPHALT REMOVAL, APPLICATION OF HERBICIDE, GRADING, EARTHWORK, AND SUBGRADE COMPACTION WITHIN THE 35' DIMENSION FROM THE RUNWAY SHOULDER EDGE. ALL WORK THROUGH SUBGRADE COMPACTION SHALL BE COMPLETED WITHIN THE AREAS INDICATED WITH RUNWAY 3–21 CLOSED. THE CLOSURE SHALL BE COORDINATED BETWEEN THE CONTRACTOR AND GYR AIRPORT OPERATIONS STAFF.

AREAS CLOSED TO AIRCRAFT OPERATIONS:
RUNWAY 3–21 CLOSED.

DURATION OF CLOSURES:
RUNWAY CLOSURES EXPECTED FOR THE ENTIRE PHASE DURATION OF A MAXIMUM OF 5 CALENDAR DAYS. CLOSURES SHALL BE LIFTED WHEN NO WORK IS BEING COMPLETED DURING THE WAITING PERIOD FOR HERBICIDE.

TAXI ROUTES OF REDUCED TSA AND TOFA TO REFLECT REDUCED ADG USE:
AIRCRAFT SHOULD NOT BE OPERATING WITHIN THE MOVEMENT AREA. CONTRACTOR SHALL COORDINATE WITH GYR OPERATIONS STAFF FOR ANY AIRCRAFT TAXIING MOVEMENTS.

ARFF ACCESS ROUTES:
THERE IS NO ARFF AT THE AIRPORT.

CONSTRUCTION STAGING, DISPOSAL, AND CLEANOUT AREAS:
CONTRACTOR STAGING, DISPOSAL, AND CLEANOUT AREAS ARE IDENTIFIED ON THIS PLAN SHEET AND CONSIST OF THE APPROXIMATE AREA AS SHOWN.

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

LIGHTING, MARKING, AND SIGNING CHANGES:
RUNWAY AND TAXIWAY LIGHTING TO BE OFF THROUGHOUT DURATION OF PHASE 1.

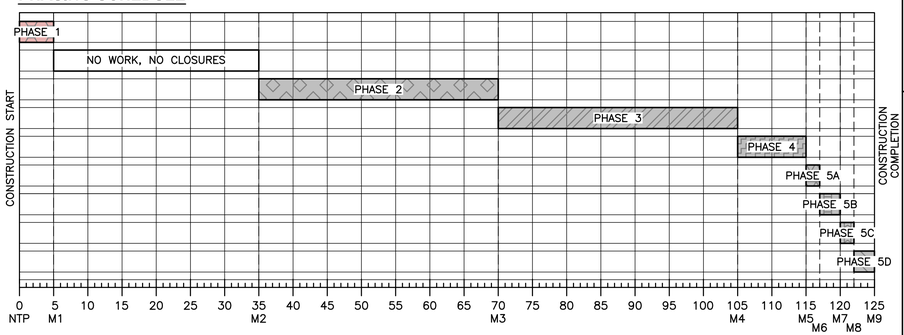
AVAILABLE RUNWAY LENGTH AND/OR REDUCED RSA AND ROFA TO REFLECT REDUCED ADG USE:
RUNWAY 3–21 CLOSED.

REQUIRED HAZARD MARKING, LIGHTING, AND SIGNING:
LIGHTED "X" TO BE PLACED AT EACH END OF RUNWAY 3–21 THROUGHOUT DURATION OF PHASE 1.

WORK ZONE LIGHTING FOR NIGHTTIME CONSTRUCTION:
LIGHTING EQUIPMENT MUST ADEQUATELY ILLUMINATE THE WORK AREA. 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.

PHASING SCHEDULE



LEGEND

- PHASE 1 – MAXIMUM 5 CALENDAR DAYS
- PHASE 2 – MAXIMUM 35 CALENDAR DAYS
- PHASE 3 – MAXIMUM 35 CALENDAR DAYS
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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT — CITY OF PHOENIX AVIATION DEPARTMENT

GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 08/29/2025
Dwg scale: 1"=350'

SHEET OVERVIEW TITLE

CONSTRUCTION PHASING PLAN
PHASE 1

SHEET REFERENCE NUMBER:
GC-401

SHEET 08 OF 53

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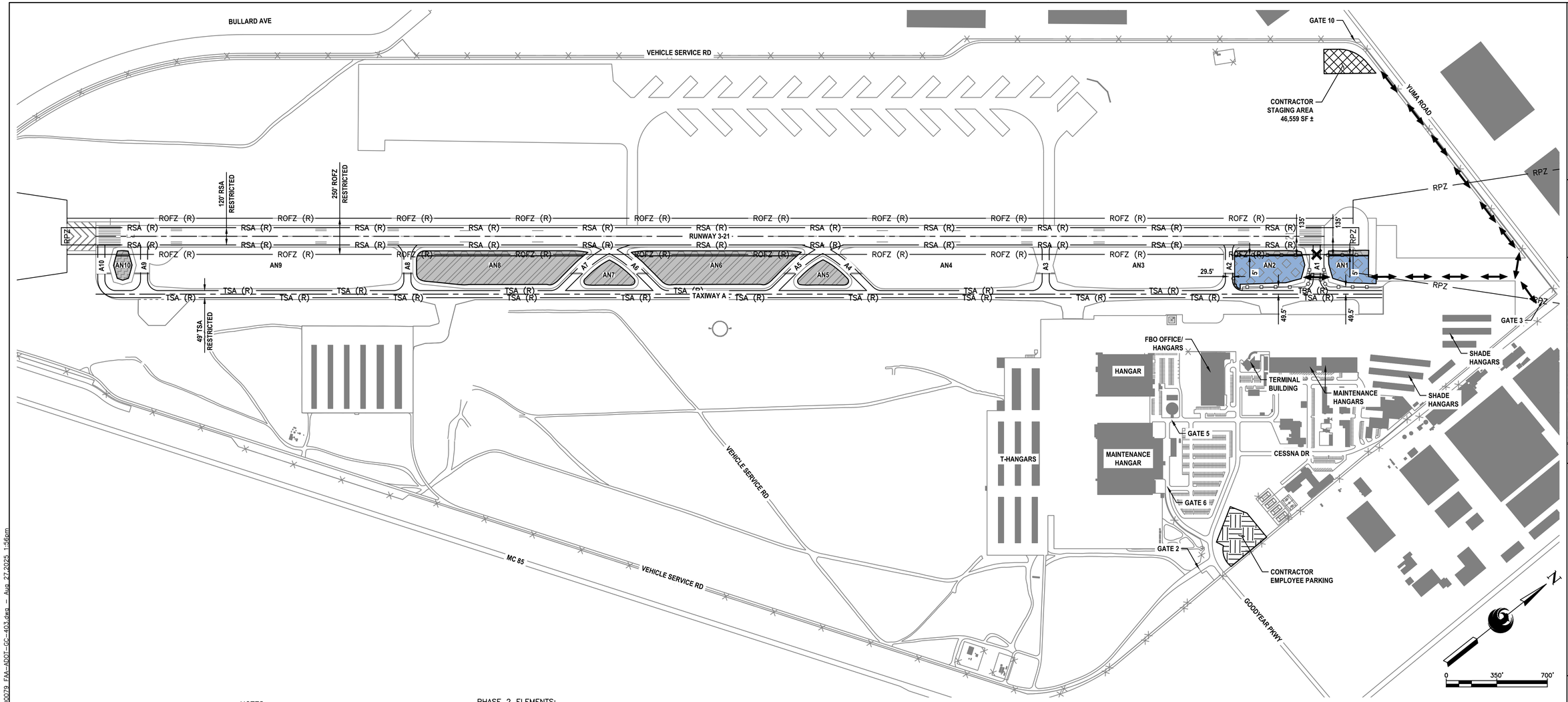

LEGEND

- CONTRACTOR HAUL ROUTE
- TAXIWAY CLOSURE MARKER
- RPZ — RUNWAY PROTECTION ZONE
- RSA (R) — RESTRICTED RUNWAY SAFETY AREA
- TSA (R) — RESTRICTED TAXIWAY SAFETY AREA
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- LOW LEVEL BARRICADES (40' SPACING)
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- CONTRACTOR STAGING AREA
- EMPLOYEE PARKING AREA

NOTES:

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5. ANY EXISTING PAVEMENT AREA ALONG ANY HAUL ROUTE SHALL BE ADEQUATELY PROTECTED PER CIVIL TECHNICAL SPECIFICATION ITEM 34 PRIOR TO ANY HAULING ACTIVITIES.

PHASE 2 ELEMENTS:
PHASE 2 ACTIVITIES GENERALLY CONSIST OF PAVEMENT SAWCUT, GRADING AND EARTHWORK, EXCAVATION FOR AND INSTALLATION OF PIPE AND STORM DRAIN STRUCTURES, SUBGRADE COMPACTION.

AREAS CLOSED TO AIRCRAFT OPERATIONS:
RUNWAY 3–21 RESTRICTED TO RDC B–I AIRCRAFT.
ALL TAXIWAYS RESTRICTED TO ADG I (49–FT) AIRCRAFT.
TAXIWAY A1 CLOSED.

DURATION OF CLOSURES:
RUNWAY AND TAXIWAY RESTRICTIONS AND CLOSURES EXPECTED NIGHTLY BETWEEN 2200 AND 0500 HOURS FOR THE ENTIRE PHASE DURATION OF A MAXIMUM OF 35 CALENDAR DAYS.

TAXI ROUTES OF REDUCED TSA AND TOFA TO REFLECT REDUCED ADG USE:
TAXI ROUTES ARE UNAFFECTED BUT FOR THE REDUCED TSA WIDTH TO 49' AND THE TOFA WIDTH TO 89'.

ARFF ACCESS ROUTES:
THERE IS NO ARFF AT THE AIRPORT.

CONSTRUCTION STAGING, DISPOSAL, AND CLEANOUT AREAS:
CONTRACTOR STAGING, DISPOSAL, AND CLEANOUT AREAS ARE IDENTIFIED ON THIS PLAN SHEET AND CONSIST OF THE APPROXIMATE AREA AS SHOWN.

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 A1 SHALL BE COVERED. TAXIWAY DIRECTION AND LOCATION SIGNS FOR TAXIWAY A1 SHALL BE COVERED. TEMPORARY JUMPERS WILL BE INSTALLED AND CIRCUIT ISOLATION WILL BE DONE TO MAINTAIN CIRCUIT OPERATION IN THE AN2 INFIELD.

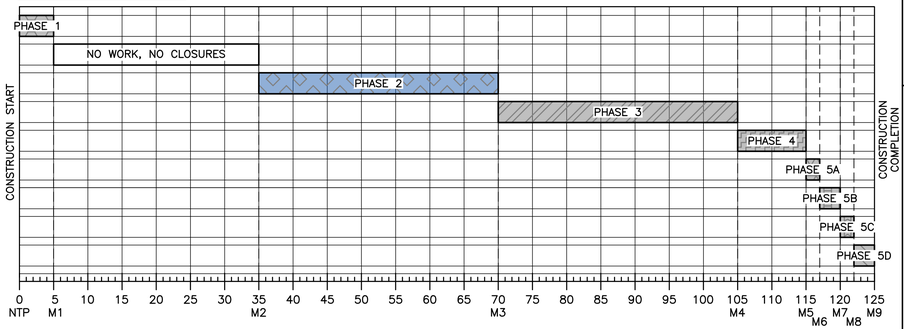
AVAILABLE RUNWAY LENGTH AND/OR REDUCED RSA AND ROFA TO REFLECT REDUCED ADG USE:
THE FULL LENGTH OF RUNWAY 3–21 IS AVAILABLE. THE RSA FOR RUNWAY 3–21 IS REDUCED TO 120'.
THE ROFA FOR RUNWAY 3–21 IS REDUCED TO 400'.

REQUIRED HAZARD MARKING, LIGHTING, AND SIGNING:
THE TAXIWAY A1 INTERSECTION SHALL BE CLOSED USING LOW PROFILE BARRICADES WITH RED (STEADY OR FLASHING) LIGHTS MOUNTED ON THE BARRICADE SPACED NO MORE THAN 10–FEET.
THE RUNWAY EXIT AT TAXIWAY A1 SHALL BE CLOSED USING A TEMPORARY YELLOW 'X'.

WORK ZONE LIGHTING FOR NIGHTTIME CONSTRUCTION:
LIGHTING EQUIPMENT MUST ADEQUATELY ILLUMINATE THE WORK AREA. 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.

PHASING SCHEDULE



LEGEND

- PHASE 1 – MAXIMUM 5 CALENDAR DAYS
- PHASE 2 – MAXIMUM 35 CALENDAR DAYS
- PHASE 3 – MAXIMUM 35 CALENDAR DAYS
- PHASE 4 – MAXIMUM 10 CALENDAR DAYS
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GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by:	G. SHAW
Drawn by:	A. SANTILLI
Checked by:	C. JHAVERI
Date:	08/29/2025
Dwg scale:	1"=350'

SHEET OVERVIEW TITLE

CONSTRUCTION PHASING PLAN
PHASE 2

SHEET REFERENCE NUMBER:
GC-402

SHEET 09 OF 53

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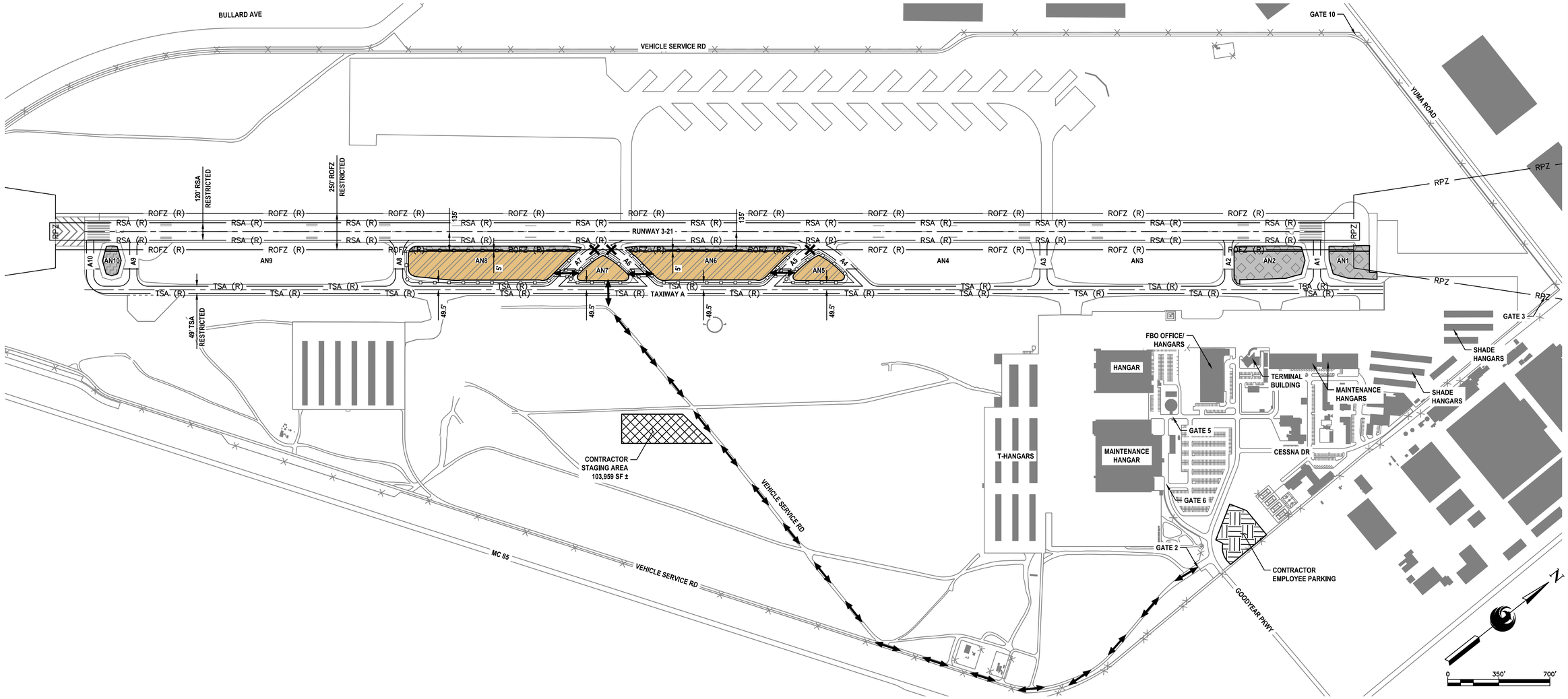

LEGEND

- CONTRACTOR HAUL ROUTE
- TAXIWAY CLOSURE MARKER
- RPZ — RUNWAY PROTECTION ZONE
- RSA (R) — RESTRICTED RUNWAY SAFETY AREA
- TSA (R) — RESTRICTED TAXIWAY SAFETY AREA
- ROFZ (R) — RESTRICTED RUNWAY OBSTACLE FREE ZONE
- LOW LEVEL BARRICADES (40' SPACING)
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NOTES:

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PHASE 3 ELEMENTS:
PHASE 3 ACTIVITIES GENERALLY CONSIST OF PAVEMENT SAWCUT, GRADING AND EARTHWORK, EXCAVATION FOR AND INSTALLATION OF PIPE AND STORM DRAIN STRUCTURES, SUBGRADE COMPACTION.

AREAS CLOSED TO AIRCRAFT OPERATIONS:
RUNWAY 3–21 RESTRICTED TO RDC B–I AIRCRAFT.
ALL TAXIWAYS RESTRICTED TO ADG I (49–FT) AIRCRAFT.
TAXIWAY A5, A6, A7 CLOSED.

DURATION OF CLOSURES:
RUNWAY AND TAXIWAY RESTRICTIONS AND CLOSURES EXPECTED NIGHTLY BETWEEN 2200 AND 0500 HOURS FOR THE ENTIRE PHASE DURATION OF A MAXIMUM OF 35 CALENDAR DAYS.

TAXI ROUTES OF REDUCED TSA AND TOFA TO REFLECT REDUCED ADG USE:
TAXI ROUTES ARE UNAFFECTED BUT FOR THE REDUCED TSA WIDTH TO 49' AND THE TOFA WIDTH TO 89'.

ARFF ACCESS ROUTES:
THERE IS NO ARFF AT THE AIRPORT.

CONSTRUCTION STAGING, DISPOSAL, AND CLEANOUT AREAS:
CONTRACTOR STAGING, DISPOSAL, AND CLEANOUT AREAS ARE IDENTIFIED ON THIS PLAN SHEET AND CONSIST OF THE APPROXIMATE AREA AS SHOWN.

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

LIGHTING, MARKING, AND SIGNING CHANGES:
RUNWAY EXIT SIGNS FOR TAXIWAYS A5, A6, A7 SHALL BE COVERED. TAXIWAY DIRECTION AND LOCATION SIGNS FOR TAXIWAYS A5, A6, A7 SHALL BE COVERED. TEMPORARY JUMPERS WILL BE INSTALLED AND CIRCUIT ISOLATION WILL BE DONE TO MAINTAIN CIRCUIT OPERATION IN THE AN5 AND AN8 INFIELDS.

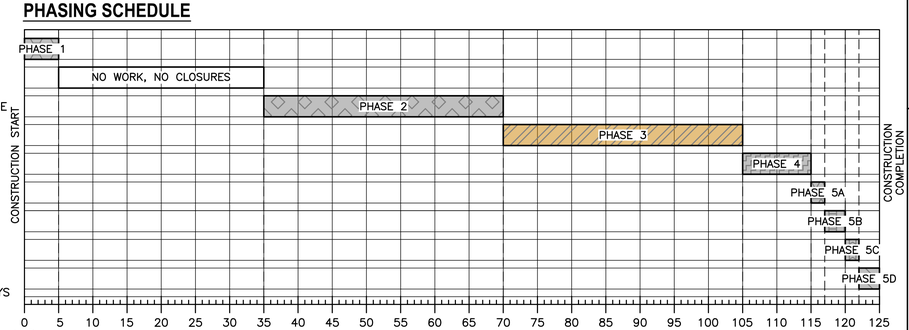
AVAILABLE RUNWAY LENGTH AND/OR REDUCED RSA AND ROFA TO REFLECT REDUCED ADG USE:
THE FULL LENGTH OF RUNWAY 3–21 IS AVAILABLE. THE RSA FOR RUNWAY 3–21 IS REDUCED TO 120'. THE ROFA FOR RUNWAY 3–21 IS REDUCED TO 400'.

REQUIRED HAZARD MARKING, LIGHTING, AND SIGNING:
THE TAXIWAY A5, A6, A7 INTERSECTION SHALL BE CLOSED USING LOW PROFILE BARRICADES WITH RED (STEADY OR FLASHING) LIGHTS MOUNTED ON THE BARRICADE SHALL BE SPACED NO MORE THAN 10–FEET.
THE RUNWAY EXITS AT TAXIWAY A5, A6, A7 SHALL BE CLOSED USING A TEMPORARY YELLOW 'X'.

WORK ZONE LIGHTING FOR NIGHTTIME CONSTRUCTION:
LIGHTING EQUIPMENT MUST ADEQUATELY ILLUMINATE THE WORK AREA. 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.

PHASING SCHEDULE



LEGEND

- PHASE 1 – MAXIMUM 5 CALENDAR DAYS
- PHASE 2 – MAXIMUM 35 CALENDAR DAYS
- PHASE 3 – MAXIMUM 35 CALENDAR DAYS
- PHASE 4 – MAXIMUM 10 CALENDAR DAYS
- PHASE 5A – MAXIMUM 2 CALENDAR DAYS
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- PHASE 5C – MAXIMUM 2 CALENDAR DAYS
- PHASE 5D – MAXIMUM 3 CALENDAR DAYS
- NO WORK, NO CLOSURES

Contact Arizona 811 at least two full working days before you begin excavation
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PRIME CONSULTANT
TRACE CONSULTING
1201 E. Jefferson St. | Suite 31 | Phoenix, AZ 85034

SUB CONSULTANT

Professional Engineer (Civil) — Steven Gerard Burns — 44157 — Date Signed 6/30/25 — Expires 9/30/26 — ARIZONA, U.S.A.

"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

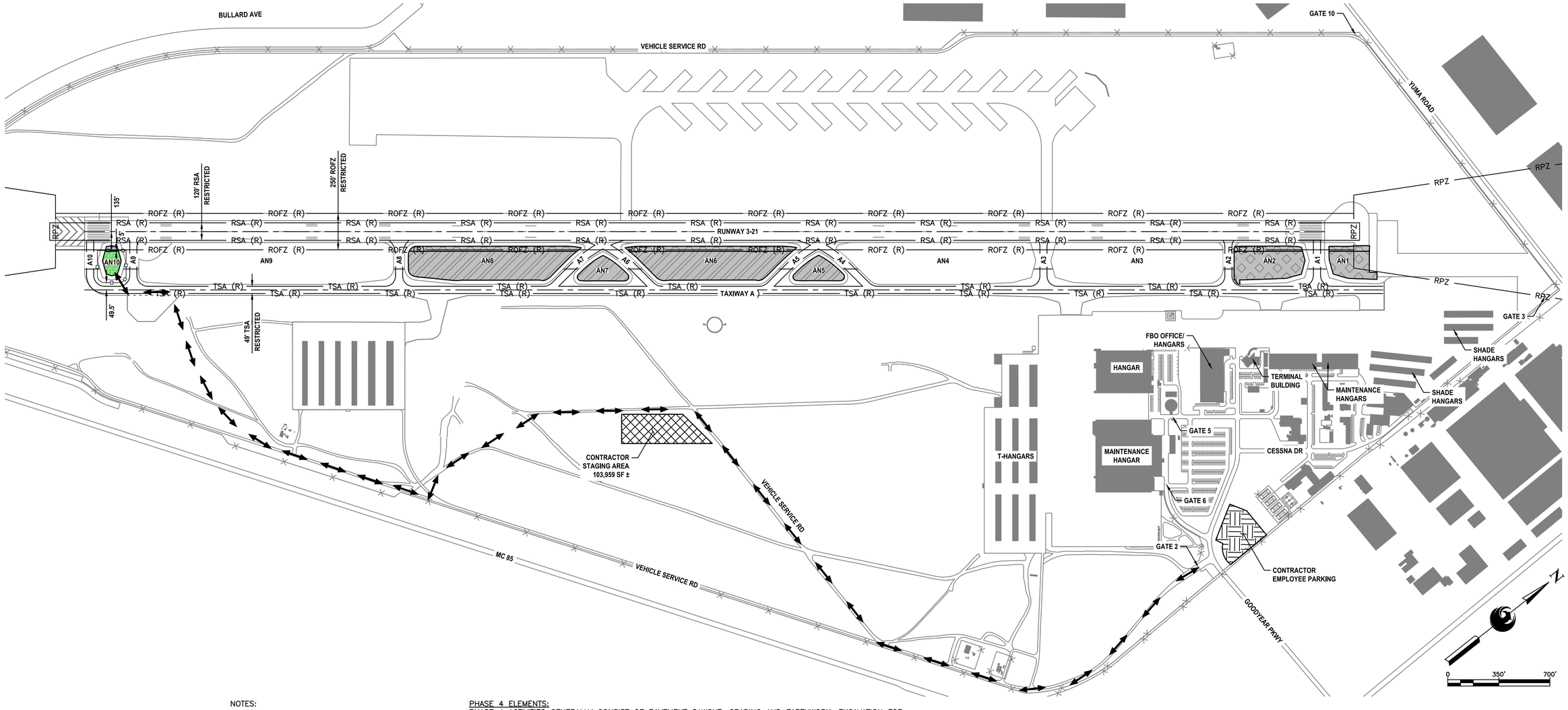
GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 08/29/2025
Dwg scale: 1"=350'

SHEET OVERVIEW TITLE
CONSTRUCTION PHASING PLAN
PHASE 3

SHEET REFERENCE NUMBER:
GC-403
SHEET 10 OF 53

N:\2024\240303 – GYR Infield Paving Ph II\240303.01 GYR Infield Paving Phase II Design\Dwg\Dwg\ AV41000079 FAA-ADOT-GC-404.dwg — Aug 27,2025 1:56pm



LEGEND

- CONTRACTOR HAUL ROUTE
- RPZ — RUNWAY PROTECTION ZONE
- RSA (R) — RESTRICTED RUNWAY SAFETY AREA
- TSA (R) — RESTRICTED TAXIWAY SAFETY AREA
- ROFZ (R) — RESTRICTED RUNWAY OBSTACLE FREE ZONE
- VERTICAL PANEL BARRICADES (40' SPACING)
- CONTRACTOR STAGING AREA
- EMPLOYEE PARKING AREA

NOTES:

1. AREAS SHOWN ARE INTENDED TO BE AN APPROXIMATE GEOGRAPHICAL REPRESENTATION.
2. THE CONTRACTOR SHALL COORDINATE THE LIMITS OF THE STAGING AND STORAGE AREA, THE LIMITS OF THE EMPLOYEE PARKING AND TEMPORARY FENCING WITH AIRPORT OPERATIONS PRIOR TO CONSTRUCTION.
3. CONTRACTOR CAN ACCESS THE SITE USING GATE 2. 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 PROTECTED PER CIVIL TECHNICAL SPECIFICATION ITEM 34 PRIOR TO ANY HAULING ACTIVITIES.

PHASE 4 ELEMENTS:
PHASE 4 ACTIVITIES GENERALLY CONSIST OF PAVEMENT SAWCUT, GRADING AND EARTHWORK, EXCAVATION FOR AND INSTALLATION OF PIPE AD STORM DRAIN STRUCTURES, SUBGRADE COMPACTION.

AREAS CLOSED TO AIRCRAFT OPERATIONS:
RUNWAY 3–21 RESTRICTED TO RDC B–I AIRCRAFT.
ALL TAXIWAYS RESTRICTED TO ADG I (49–FT) AIRCRAFT.

DURATION OF CLOSURES:
RUNWAY AND TAXIWAY RESTRICTIONS AND CLOSURES EXPECTED NIGHTLY BETWEEN 2200 AND 0500 HOURS FOR THE ENTIRE PHASE DURATION OF A MAXIMUM OF 10 CALENDAR DAYS.

TAXI ROUTES OF REDUCED TSA AND TOFA TO REFLECT REDUCED ADG USE:
TAXI ROUTES ARE UNAFFECTED BUT FOR THE REDUCED TSA WIDTH TO 49' AND THE TOFA WIDTH TO 89'.

ARFF ACCESS ROUTES:
THERE IS NO ARFF AT THE AIRPORT.

CONSTRUCTION STAGING, DISPOSAL, AND CLEANOUT AREAS:
CONTRACTOR STAGING, DISPOSAL, AND CLEANOUT AREAS ARE IDENTIFIED ON THIS PLAN SHEET AND CONSIST OF THE APPROXIMATE AREA AS SHOWN.

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

LIGHTING, MARKING, AND SIGNING CHANGES:
NO LIGHTING, MARKING, AND SIGNING CHANGES ARE ANTICIPATED FOR THIS PHASE.

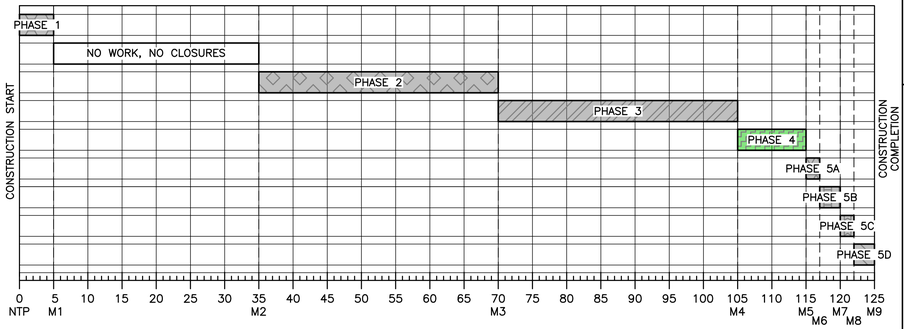
AVAILABLE RUNWAY LENGTH AND/OR REDUCED RSA AND ROFA TO REFLECT REDUCED ADG USE:
THE FULL LENGTH OF RUNWAY 3–21 IS AVAILABLE. THE RSA FOR RUNWAY 3–21 IS REDUCED TO 120'. THE ROFA FOR RUNWAY 3–21 IS REDUCED TO 400'.

REQUIRED HAZARD MARKING, LIGHTING, AND SIGNING:
LOW PROFILE BARRICADES WITH RED (STEADY OR FLASHING) LIGHTS MOUNTED ON THE BARRICADE SPACED NO MORE THAN 10–FEET.

WORK ZONE LIGHTING FOR NIGHTTIME CONSTRUCTION:
LIGHTING EQUIPMENT MUST ADEQUATELY ILLUMINATE THE WORK AREA. 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.

PHASING SCHEDULE



LEGEND

- PHASE 1 – MAXIMUM 5 CALENDAR DAYS
- PHASE 2 – MAXIMUM 35 CALENDAR DAYS
- PHASE 3 – MAXIMUM 35 CALENDAR DAYS
- PHASE 4 – MAXIMUM 10 CALENDAR DAYS
- PHASE 5A – MAXIMUM 2 CALENDAR DAYS
- PHASE 5B – MAXIMUM 3 CALENDAR DAYS
- PHASE 5C – MAXIMUM 2 CALENDAR DAYS
- PHASE 5D – MAXIMUM 3 CALENDAR DAYS
- NO WORK, NO CLOSURES

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ARIZONA811
Call 811 or click Arizona811.com

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

Professional Engineer (Civil) — Stephen Ryan Shaw — 44157 — Date Signed 8/29/25 — Expires 9/30/26 — Registered with the State of ARIZONA, U.S.A.

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NO	REVISIONS / SUBMISSIONS	DATE

PSX DVT
CITY OF PHOENIX AVIATION DEPARTMENT

GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 08/29/2025
Dwg scale: 1"=350'

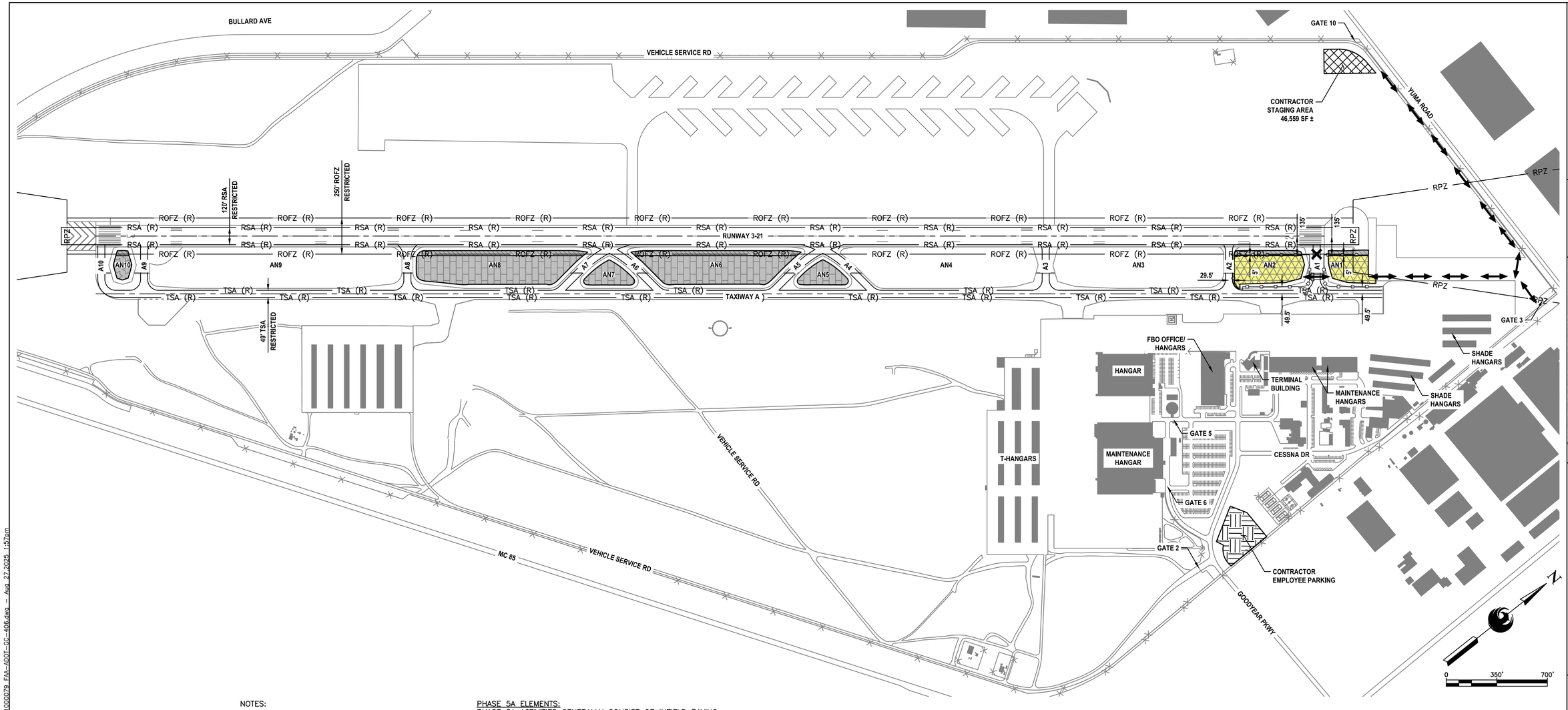
SHEET OVERVIEW TITLE

CONSTRUCTION PHASING PLAN
PHASE 4

SHEET REFERENCE NUMBER:
GC-404

SHEET 11 OF 53

N:\2024\240303 – GYR Infield Paving Ph II\240303_01 GYR Infield Paving Phase II Design\Dwg\Dwg_AV41000079_FAA–ADOT–GC–405.dwg – Aug 27,2025 1:56pm



LEGEND

- CONTRACTOR HAUL ROUTE
- TAXIWAY CLOSURE MARKER
- RPZ — RUNWAY PROTECTION ZONE
- RSA (R) — RESTRICTED RUNWAY SAFETY AREA
- TSA (R) — RESTRICTED TAXIWAY SAFETY AREA
- ROFZ (R) — RESTRICTED RUNWAY OBSTACLE FREE ZONE
- LOW LEVEL BARRICADES (40' SPACING)
- VERTICAL PANEL BARRICADES (40' SPACING)
- CONTRACTOR STAGING AREA
- EMPLOYEE PARKING AREA

NOTES:

1. AREAS SHOWN ARE INTENDED TO BE AN APPROXIMATE GEOGRAPHICAL REPRESENTATION.
2. THE CONTRACTOR SHALL COORDINATE THE LIMITS OF THE STAGING AND STORAGE AREA, THE LIMITS OF THE EMPLOYEE PARKING AND TEMPORARY FENCING WITH AIRPORT OPERATIONS PRIOR TO CONSTRUCTION.
3. CONTRACTOR CAN ACCESS THE SITE USING GATE 3. 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 PROTECTED PER CIVIL TECHNICAL SPECIFICATION ITEM 34 PRIOR TO ANY HAULING ACTIVITIES.

PHASE 5A ELEMENTS:
PHASE 5A ACTIVITIES GENERALLY CONSIST OF INFIELD PAVING.

AREAS CLOSED TO AIRCRAFT OPERATIONS:
RUNWAY 3–21 RESTRICTED TO RDC B–I AIRCRAFT.
ALL TAXIWAYS RESTRICTED TO ADG I (49–FT) AIRCRAFT.
TAXIWAY A1 CLOSED.

DURATION OF CLOSURES:
RUNWAY AND TAXIWAY RESTRICTIONS AND CLOSURES EXPECTED DAILY BETWEEN 0600 AND 1800 HOURS FOR THE ENTIRE PHASE DURATION OF A MAXIMUM OF 2 CALENDAR DAYS.

TAXI ROUTES OF REDUCED TSA AND TOFA TO REFLECT REDUCED ADG USE:
TAXI ROUTES ARE UNAFFECTED BUT FOR THE REDUCED TSA WIDTH TO 49' AND THE TOFA WIDTH TO 89'.

ARFF ACCESS ROUTES:
THERE IS NO ARFF AT THE AIRPORT.

CONSTRUCTION STAGING, DISPOSAL, AND CLEANOUT AREAS:
CONTRACTOR STAGING, DISPOSAL, AND CLEANOUT AREAS ARE IDENTIFIED ON THIS PLAN SHEET AND CONSIST OF THE APPROXIMATE AREA AS SHOWN.

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 A1 SHALL BE COVERED. TAXIWAY DIRECTION AND LOCATION SIGNS FOR TAXIWAY A2 SHALL BE COVERED. TEMPORARY JUMPERS WILL BE INSTALLED AND CIRCUIT ISOLATION WILL BE DONE TO MAINTAIN CIRCUIT OPERATION IN THE AN2 INFIELD.

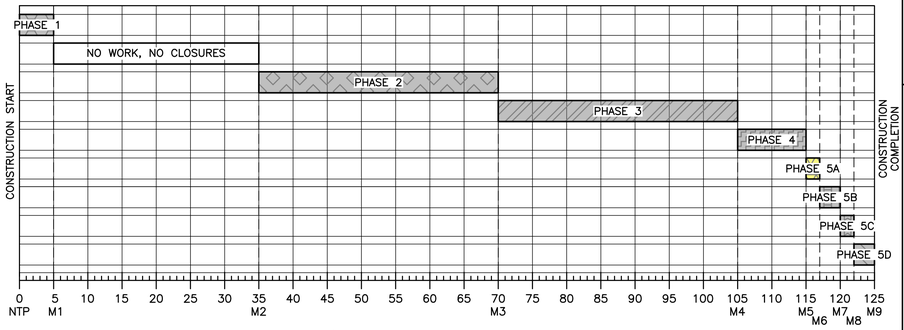
AVAILABLE RUNWAY LENGTH AND/OR REDUCED RSA AND ROFA TO REFLECT REDUCED ADG USE:
THE FULL LENGTH OF RUNWAY 3–21 IS AVAILABLE. THE RSA FOR RUNWAY 3–21 IS REDUCED TO 120'. THE ROFA FOR RUNWAY 3–21 IS REDUCED TO 400'.

REQUIRED HAZARD MARKING, LIGHTING, AND SIGNING:
THE TAXIWAY A1 INTERSECTION SHALL BE CLOSED USING LOW PROFILE BARRICADES WITH RED (STEADY OR FLASHING) LIGHTS MOUNTED ON THE BARRICADE SHALL BE SPACED NO MORE THAN 10–FEET.
THE RUNWAY EXIT AT TAXIWAY A1 SHALL BE CLOSED USING A TEMPORARY YELLOW 'X'.

WORK ZONE LIGHTING FOR NIGHTTIME CONSTRUCTION:
NOT APPLICABLE DURING THIS PHASE.

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

PHASING SCHEDULE



LEGEND

- PHASE 1 – MAXIMUM 5 CALENDAR DAYS
- PHASE 2 – MAXIMUM 35 CALENDAR DAYS
- PHASE 3 – MAXIMUM 35 CALENDAR DAYS
- PHASE 4 – MAXIMUM 10 CALENDAR DAYS
- PHASE 5A – MAXIMUM 2 CALENDAR DAYS
- PHASE 5B – MAXIMUM 3 CALENDAR DAYS
- PHASE 5C – MAXIMUM 2 CALENDAR DAYS
- PHASE 5D – MAXIMUM 3 CALENDAR DAYS
- NO WORK, NO CLOSURES

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

Professional Engineer (Civil) — Date Signed 08/29/25 — 44157 — Steven R. Shaw — Expires 09/30/26 — ARIZONA, U.S.A.

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT — CITY OF PHOENIX AVIATION DEPARTMENT

GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 08/29/2025
Dwg scale: 1"=350'

SHEET OVERVIEW TITLE

CONSTRUCTION PHASING PLAN
PHASE 5A

SHEET REFERENCE NUMBER: GC-405

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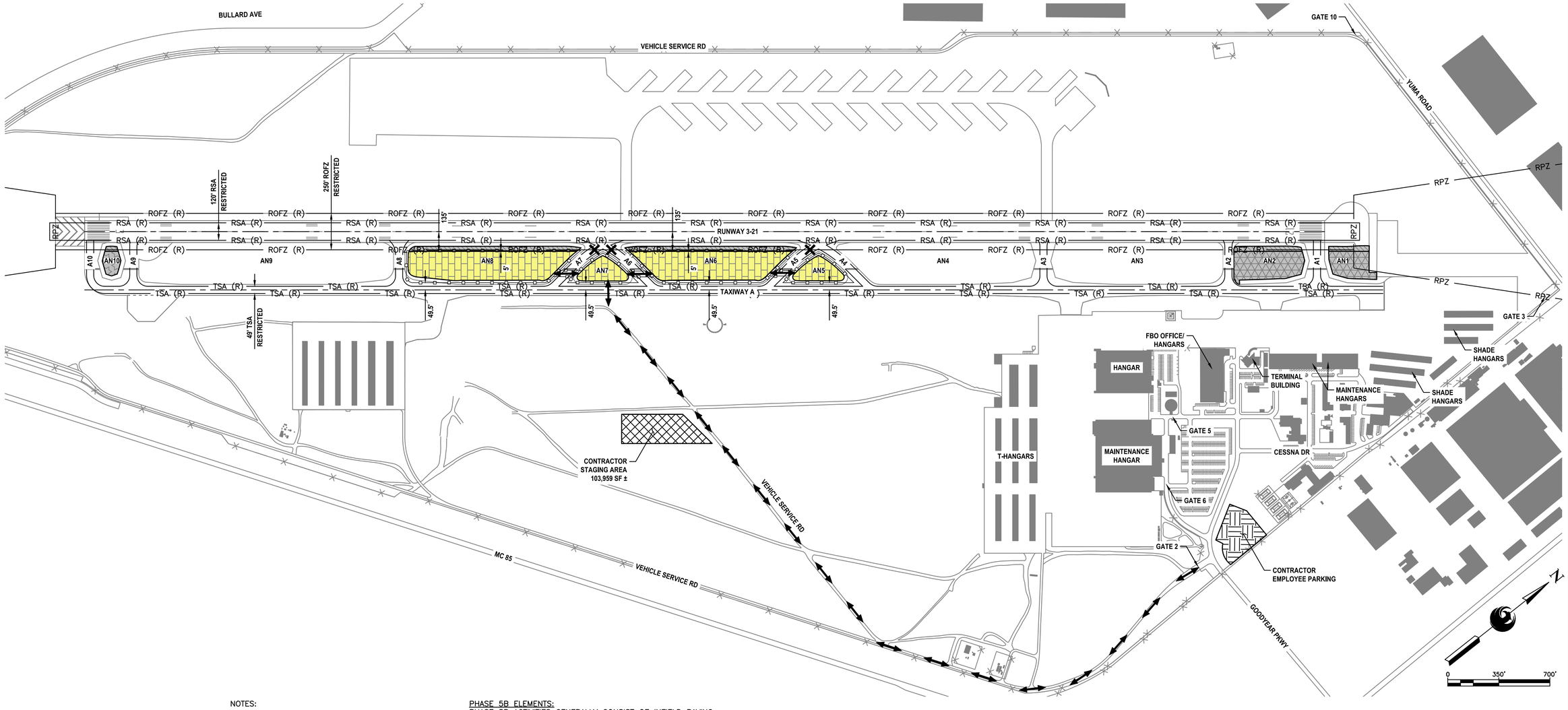

LEGEND

- CONTRACTOR HAUL ROUTE
- TAXIWAY CLOSURE MARKER
- RPZ — RUNWAY PROTECTION ZONE
- RSA (R) — RESTRICTED RUNWAY SAFETY AREA
- TSA (R) — RESTRICTED TAXIWAY SAFETY AREA
- ROFZ (R) — RESTRICTED RUNWAY OBSTACLE FREE ZONE
- LOW LEVEL BARRICADES (40' SPACING)
- VERTICAL PANEL BARRICADES (40' SPACING)
- CONTRACTOR STAGING AREA
- EMPLOYEE PARKING AREA

NOTES:

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3. CONTRACTOR CAN ACCESS THE SITE USING GATE 2. 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 PROTECTED PER CIVIL TECHNICAL SPECIFICATION ITEM 34 PRIOR TO ANY HAULING ACTIVITIES.

PHASE 5B ELEMENTS:
PHASE 5B ACTIVITIES GENERALLY CONSIST OF INFIELD PAVING.

AREAS CLOSED TO AIRCRAFT OPERATIONS:
RUNWAY 3–21 RESTRICTED TO RDC B–I AIRCRAFT.
ALL TAXIWAYS RESTRICTED TO ADG I (49–FT) AIRCRAFT.
TAXIWAYS A5, A6, A7 CLOSED.

DURATION OF CLOSURES:
RUNWAY AND TAXIWAY RESTRICTIONS AND CLOSURES EXPECTED DAILY BETWEEN 0600 AND 1800 HOURS FOR THE ENTIRE PHASE DURATION OF A MAXIMUM OF 3 CALENDAR DAYS.

TAXI ROUTES OF REDUCED TSA AND TOFA TO REFLECT REDUCED ADG USE:
TAXI ROUTES ARE UNAFFECTED BUT FOR THE REDUCED TSA WIDTH TO 49' AND THE TOFA WIDTH TO 89'.

ARFF ACCESS ROUTES:
THERE IS NO ARFF AT THE AIRPORT.

CONSTRUCTION STAGING, DISPOSAL, AND CLEANOUT AREAS:
CONTRACTOR STAGING, DISPOSAL, AND CLEANOUT AREAS ARE IDENTIFIED ON THIS PLAN SHEET AND CONSIST OF THE APPROXIMATE AREA AS SHOWN.

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

LIGHTING, MARKING, AND SIGNING CHANGES:
RUNWAY EXIT SIGNS FOR TAXIWAYS A5, A6, AND A7 SHALLE BE COVERED. TAXIWAY DIRECTION AND LOCATION SIGNS FOR TAXIWAYS A5, A6, AND A7 SHALL BE COVERED. TEMPORARY JUMPERS WILL BE INSTALLED AND CIRCUIT ISOLATION WILL BE DONE TO MAINTAIN CIRCUIT OPERATION IN THE AN... INFIELD.

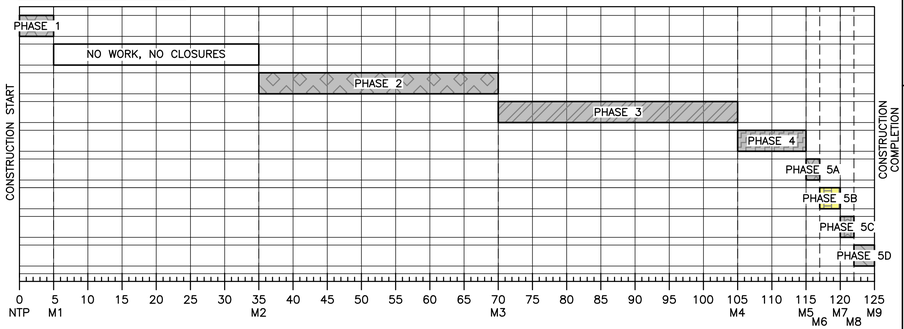
AVAILABLE RUNWAY LENGTH AND/OR REDUCED RSA AND ROFA TO REFLECT REDUCED ADG USE:
THE FULL LENGTH OF RUNWAY 3–21 IS AVAILABLE. THE RSA FOR RUNWAY 3–21 IS REDUCED TO 120'. THE ROFA FOR RUNWAY 3–21 IS REDUCED TO 400'.

REQUIRED HAZARD MARKING, LIGHTING, AND SIGNING:
THE TAXIWAYS A5, A6, A7 INTERSECTION SHALL BE CLOSED USING LOW PROFILE BARRICADES WITH RED (STEADY OR FLASHING) LIGHTS MOUNTED ON THE BARRICADE SHALL BE SPACED NO MORE THAN 10–FEET.
THE RUNWAY EXIT AT TAXIWAY A5, A6, A7 SHALL BE CLOSED USING A TEMPORARY YELLOW 'X'.

WORK ZONE LIGHTING FOR NIGHTTIME CONSTRUCTION:
NOT APPLICABLE DURING THIS PHASE.

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

PHASING SCHEDULE



LEGEND

- PHASE 1 – MAXIMUM 5 CALENDAR DAYS
- PHASE 2 – MAXIMUM 35 CALENDAR DAYS
- PHASE 3 – MAXIMUM 35 CALENDAR DAYS
- PHASE 4 – MAXIMUM 10 CALENDAR DAYS
- PHASE 5A – MAXIMUM 2 CALENDAR DAYS
- PHASE 5B – MAXIMUM 3 CALENDAR DAYS
- PHASE 5C – MAXIMUM 2 CALENDAR DAYS
- PHASE 5D – MAXIMUM 3 CALENDAR DAYS
- NO WORK, NO CLOSURES

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SUB CONSULTANT

Professional Engineer (Civil) — Certificate No. 44157 — Gregg R. Swanson — Expires 09/30/2026 — ARIZONA, U.S.A.

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT
CITY OF PHOENIX AVIATION DEPARTMENT

GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 08/29/2025
Dwg scale: 1"=350'

SHEET OVERVIEW TITLE

CONSTRUCTION PHASING PLAN
PHASE 5B

SHEET REFERENCE NUMBER:
GC-406

SHEET 13 OF 53

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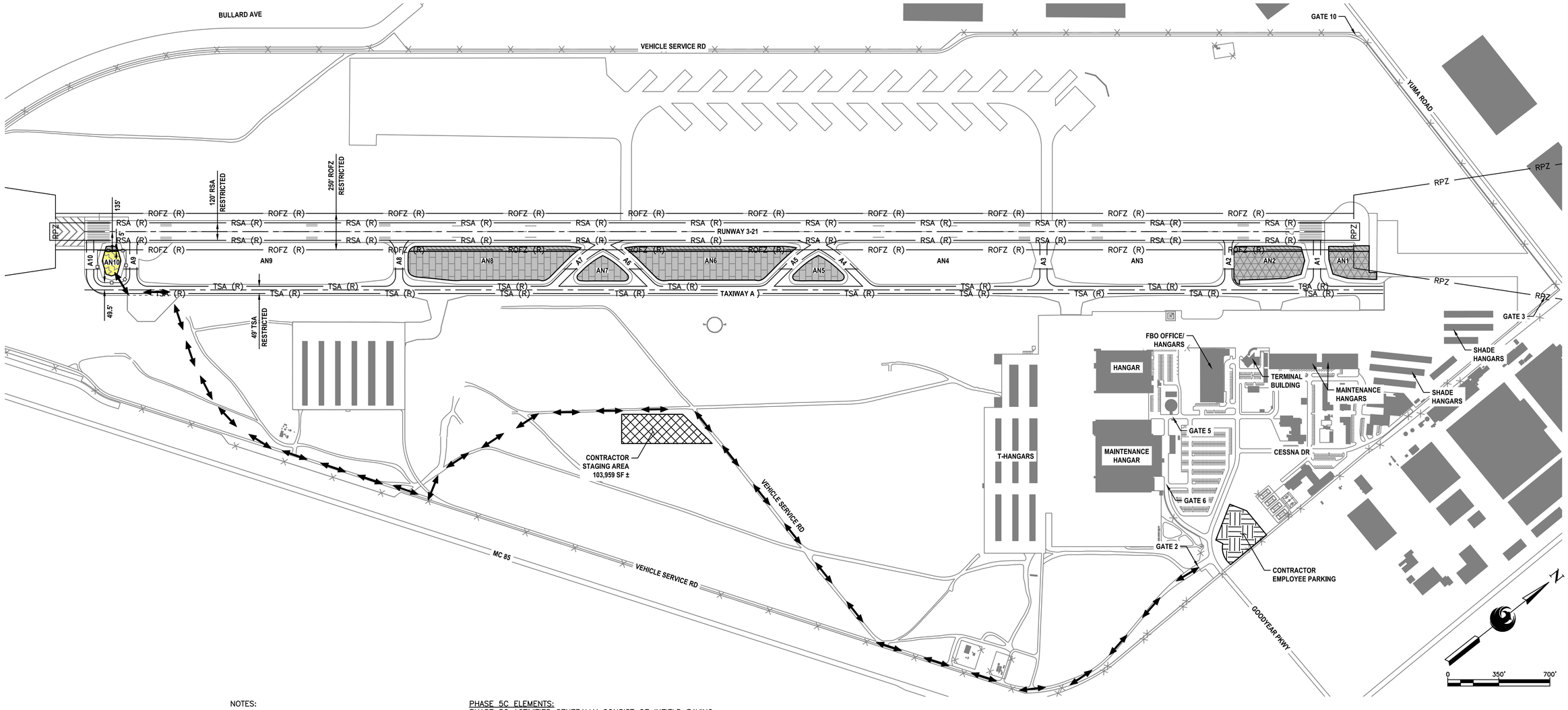

LEGEND

- CONTRACTOR HAUL ROUTE
- RPZ — RUNWAY PROTECTION ZONE
- RSA (R) — RESTRICTED RUNWAY SAFETY AREA
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- VERTICAL PANEL BARRICADES (40' SPACING)
- CONTRACTOR STAGING AREA
- EMPLOYEE PARKING AREA

NOTES:

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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 PROTECTED PER CIVIL TECHNICAL SPECIFICATION ITEM 34 PRIOR TO ANY HAULING ACTIVITIES.

PHASE 5C ELEMENTS:
PHASE 5C ACTIVITIES GENERALLY CONSIST OF INFIELD PAVING.

AREAS CLOSED TO AIRCRAFT OPERATIONS:
RUNWAY 3–21 RESTRICTED TO RDC B–I AIRCRAFT.
ALL TAXIWAYS RESTRICTED TO ADG I (49–FT) AIRCRAFT.

DURATION OF CLOSURES:
RUNWAY AND TAXIWAY RESTRICTIONS AND CLOSURES EXPECTED DAILY BETWEEN 0600 AND 1800 HOURS FOR THE ENTIRE PHASE DURATION OF A MAXIMUM OF 2 CALENDAR DAYS.

TAXI ROUTES OF REDUCED TSA AND TOFA TO REFLECT REDUCED ADG USE:
TAXI ROUTES ARE UNAFFECTED BUT FOR THE REDUCED TSA WIDTH TO 49' AND THE TOFA WIDTH TO 89'.

ARFF ACCESS ROUTES:
THERE IS NO ARFF AT THE AIRPORT.

CONSTRUCTION STAGING, DISPOSAL, AND CLEANOUT AREAS:
CONTRACTOR STAGING, DISPOSAL, AND CLEANOUT AREAS ARE IDENTIFIED ON THIS PLAN SHEET AND CONSIST OF THE APPROXIMATE AREA AS SHOWN.

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

LIGHTING, MARKING, AND SIGNING CHANGES:
NO LIGHTING, MARKING, AND SIGNING CHANGES ARE ANTICIPATED FOR THIS PHASE.

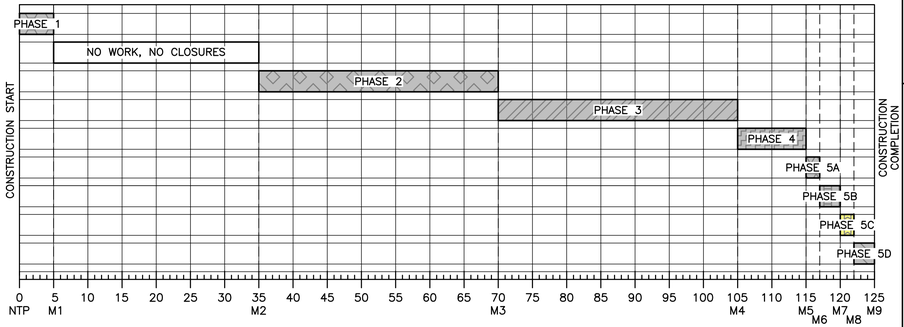
AVAILABLE RUNWAY LENGTH AND/OR REDUCED RSA AND ROFA TO REFLECT REDUCED ADG USE:
THE FULL LENGTH OF RUNWAY 3–21 IS AVAILABLE. THE RSA FOR RUNWAY 3–21 IS REDUCED TO 120'. THE ROFA FOR RUNWAY 3–21 IS REDUCED TO 400'.

REQUIRED HAZARD MARKING, LIGHTING, AND SIGNING:
LOW PROFILE BARRICADES WITH RED (STEADY OR FLASHING) LIGHTS MOUNTED ON THE BARRICADE SHALL BE SPACED NO MORE THAN 10–FEET.

WORK ZONE LIGHTING FOR NIGHTTIME CONSTRUCTION:
NOT APPLICABLE DURING THIS PHASE.

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

PHASING SCHEDULE



LEGEND

- PHASE 1 – MAXIMUM 5 CALENDAR DAYS
- PHASE 2 – MAXIMUM 35 CALENDAR DAYS
- PHASE 3 – MAXIMUM 35 CALENDAR DAYS
- PHASE 4 – MAXIMUM 10 CALENDAR DAYS
- PHASE 5A – MAXIMUM 2 CALENDAR DAYS
- PHASE 5B – MAXIMUM 3 CALENDAR DAYS
- PHASE 5C – MAXIMUM 2 CALENDAR DAYS
- PHASE 5D – MAXIMUM 3 CALENDAR DAYS
- NO WORK, NO CLOSURES

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NO	REVISIONS / SUBMISSIONS	DATE

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

Professional Engineer (Civil) — Steven R. Shaw — 44157 — Date Signed 8/29/25 — ARIZONA, U.S.A.

PSX DVT
CITY OF PHOENIX AVIATION DEPARTMENT

GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by:	G. SHAW
Drawn by:	A. SANTILLI
Checked by:	C. JHAVERI
Date:	08/29/2025
Dwg scale:	1"=350'

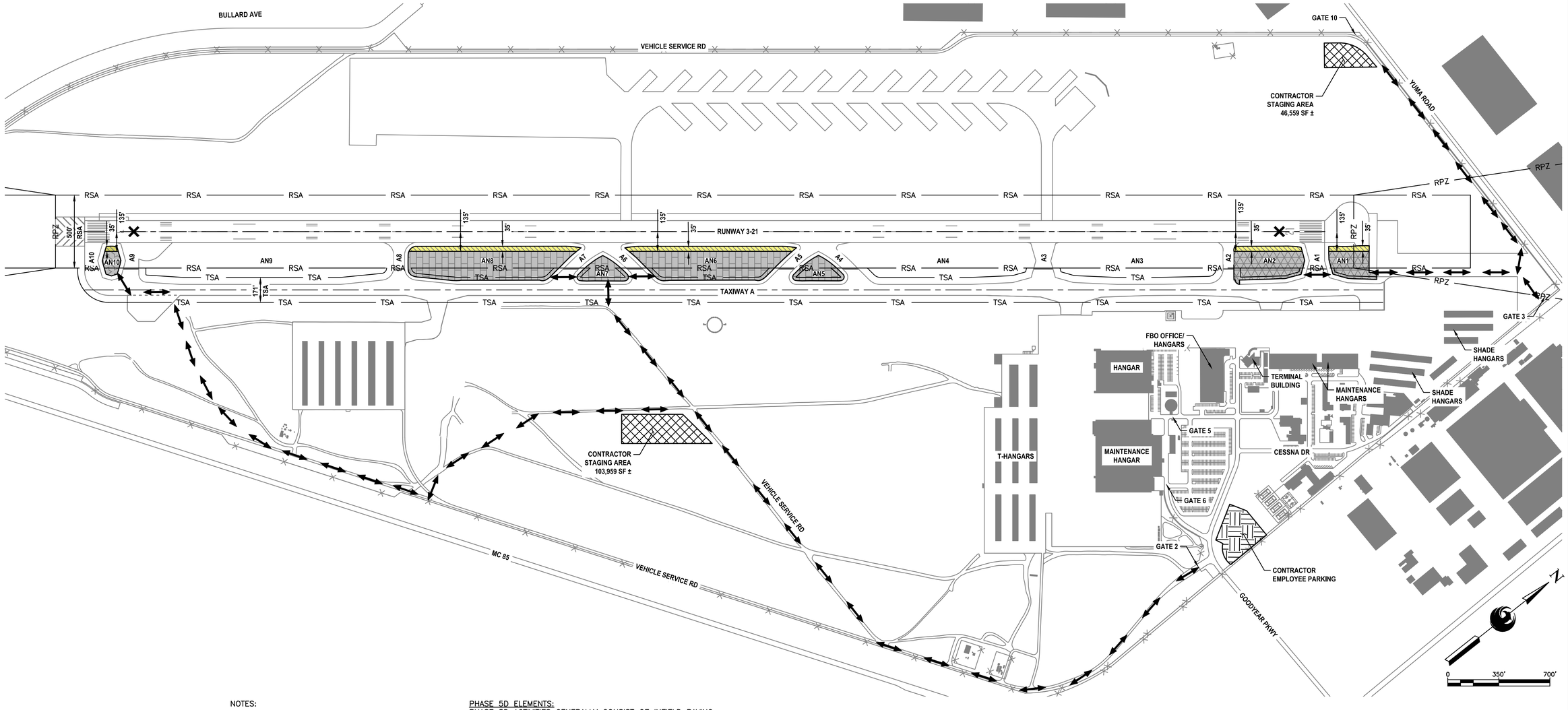
SHEET OVERVIEW TITLE

CONSTRUCTION PHASING PLAN
PHASE 5C

SHEET REFERENCE NUMBER:
GC-407

SHEET 14 OF 53

N:\2024\2403303 — GYR Infield Paving Ph II\240303.01 GYR Infield Paving Phase II Design\Dwg\Dwg\ AV41000079 FAA-ADOT-GC-408.dwg — Aug 27,2025 1:57pm



LEGEND

- CONTRACTOR HAUL ROUTE
- RUNWAY CLOSURE MARKER
- RPZ — RUNWAY PROTECTION ZONE
- RSA — RUNWAY SAFETY AREA
- TSA — TAXIWAY SAFETY AREA
- CONTRACTOR STAGING AREA
- EMPLOYEE PARKING AREA

NOTES:

1. AREAS SHOWN ARE INTENDED TO BE AN APPROXIMATE GEOGRAPHICAL REPRESENTATION.
2. THE CONTRACTOR SHALL COORDINATE THE LIMITS OF THE STAGING AND STORAGE AREA, THE LIMITS OF THE EMPLOYEE PARKING AND TEMPORARY FENCING WITH AIRPORT OPERATIONS PRIOR TO CONSTRUCTION.
3. CONTRACTOR CAN ACCESS THE SITE USING GATE 2 AND 3. 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 PROTECTED PER CIVIL TECHNICAL SPECIFICATION ITEM 34 PRIOR TO ANY HAULING ACTIVITIES.

PHASE 5D ELEMENTS:
PHASE 5D ACTIVITIES GENERALLY CONSIST OF INFIELD PAVING.

AREAS CLOSED TO AIRCRAFT OPERATIONS:
RUNWAY 3–21 CLOSED.

DURATION OF CLOSURES:
RUNWAY AND TAXIWAY RESTRICTIONS AND CLOSURES EXPECTED FOR THE ENTIRE PHASE DURATION OF A MAXIMUM OF 3 CALENDAR DAYS.

TAXI ROUTES OF REDUCED TSA AND TOFA TO REFLECT REDUCED ADG USE:
AIRCRAFT SHOULD NOT BE OPERATING WITHIN THE MOVEMENT AREA. CONTRACTOR SHALL COORDINATE WITH GYR OPERATIONS STAFF FOR ANY AIRCRAFT TAXIING MOVEMENTS.

ARFF ACCESS ROUTES:
THERE IS NO ARFF AT THE AIRPORT.

CONSTRUCTION STAGING, DISPOSAL, AND CLEANOUT AREAS:
CONTRACTOR STAGING, DISPOSAL, AND CLEANOUT AREAS ARE IDENTIFIED ON THIS PLAN SHEET AND CONSIST OF THE APPROXIMATE AREA AS SHOWN.

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

LIGHTING, MARKING, AND SIGNING CHANGES:
RUNWAY AND TAXIWAY LIGHTING TO BE OFF THROUGHOUT DURATION OF THIS PHASE.

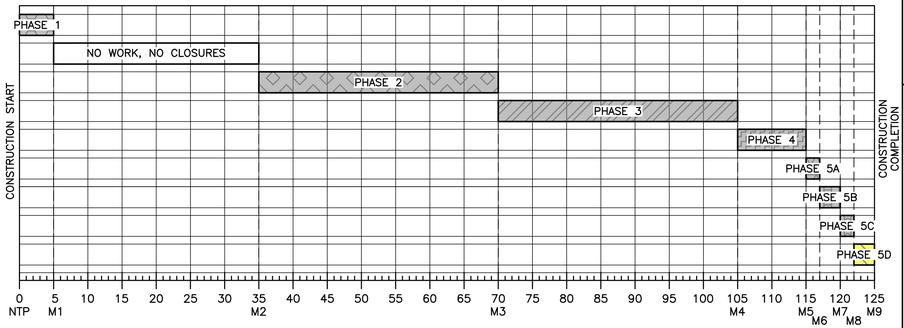
AVAILABLE RUNWAY LENGTH AND/OR REDUCED RSA AND ROFA TO REFLECT REDUCED ADG USE:
RUNWAY 3–21 CLOSED.

REQUIRED HAZARD MARKING, LIGHTING, AND SIGNING:
LIGHTED "X" TO BE PLACED AT EACH END OF RUNWAY 3–21 THROUGHOUT DURATION OF THIS PHASE.

WORK ZONE LIGHTING FOR NIGHTTIME CONSTRUCTION:
NOT APPLICABLE DURING THIS PHASE.

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

PHASING SCHEDULE



LEGEND

- PHASE 1 – MAXIMUM 5 CALENDAR DAYS
- PHASE 2 – MAXIMUM 35 CALENDAR DAYS
- PHASE 3 – MAXIMUM 35 CALENDAR DAYS
- PHASE 4 – MAXIMUM 10 CALENDAR DAYS
- PHASE 5A – MAXIMUM 2 CALENDAR DAYS
- PHASE 5B – MAXIMUM 3 CALENDAR DAYS
- PHASE 5C – MAXIMUM 2 CALENDAR DAYS
- PHASE 5D – MAXIMUM 3 CALENDAR DAYS
- NO WORK, NO CLOSURES

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 31 Phoenix, AZ 85034
SUB CONSULTANT:

"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

GYR
CITY OF PHOENIX AVIATION DEPARTMENT
GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 08/29/2025
Dwg scale: 1"=350'

SHEET OVERVIEW TITLE
CONSTRUCTION PHASING PLAN
PHASE 5D

SHEET REFERENCE NUMBER:
GC-408

SHEET 15 OF 53

N:\2024\240303 — GYR Infield Paving Ph II\240303_01 GYR Infield Paving Phase II Design\Dwg\Dwg\ AV41000079 FAA–ADOT–GC–409.dwg — Aug 27,2025 1:58pm

NOTE: BARRICADES AND THEIR PLACEMENT SHALL MEET THE REQUIREMENTS OF FAA AC 150/5370-2G OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION.

A GC-501 **LOW PROFILE BARRICADE - TYPE 1 (TWO FLASHING RED LIGHTS)**
N.T.S.

NOTE: BARRICADES AND THEIR PLACEMENT SHALL MEET THE REQUIREMENTS OF FAA AC 150/5370-2G OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION.

B GC-501 **VERTICAL PANEL BARRICADE (FLASHING RED LIGHT)**
N.T.S.

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 31 | Phoenix, AZ 85034

SUB CONSULTANT

"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"

Professional Engineer (Civil) 64157 GREG R. SHAW Date Signed 8/29/25 ARIZONA, U.S.A.

NO	REVISIONS / SUBMISSIONS	DATE

PEAK DVT BYRN
CITY OF PHOENIX AVIATION DEPARTMENT

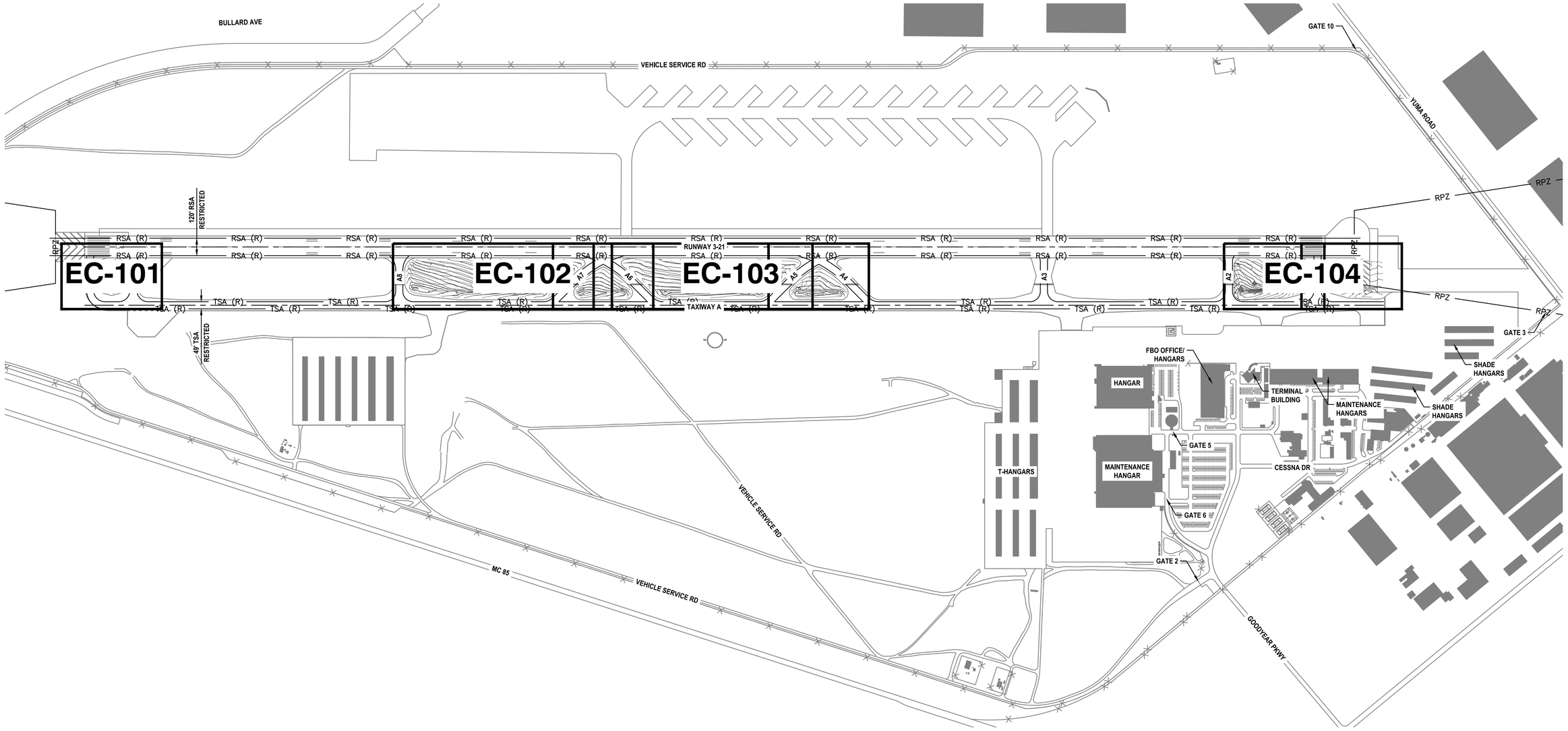
GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

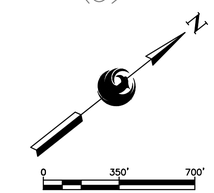
Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 08/29/2025
Dwg scale: AS SHOWN

SHEET OVERVIEW TITLE
CONSTRUCTION PHASING DETAILS

SHEET REFERENCE NUMBER:
GC-501
SHEET 16 OF 53

N:\2024\240303 - GYR Infield Paving Ph II\240303.01 GYR Infield Paving Phase II Design\Dwg\Dwg\ AV41000079 FAA-AIGT-GC-501.dwg - Aug 27,2025 1:58pm





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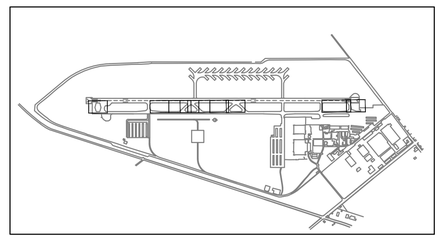
ARIZONA811
Call 811 or click Arizona811.com



KEY MAP
NTS

"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

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

SUB CONSULTANT

Professional Engineer (Civil) — Certificate No. 44157 — Gregory R. Shaw — Date Signed — ARIZONA, U.S.A.

PHX GYR
CITY OF PHOENIX AVIATION DEPARTMENT

GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by:	G. SHAW
Drawn by:	A. SANTILLI
Checked by:	C. JHAVERI
Date:	08/29/2025
Dwg scale:	1"=350'

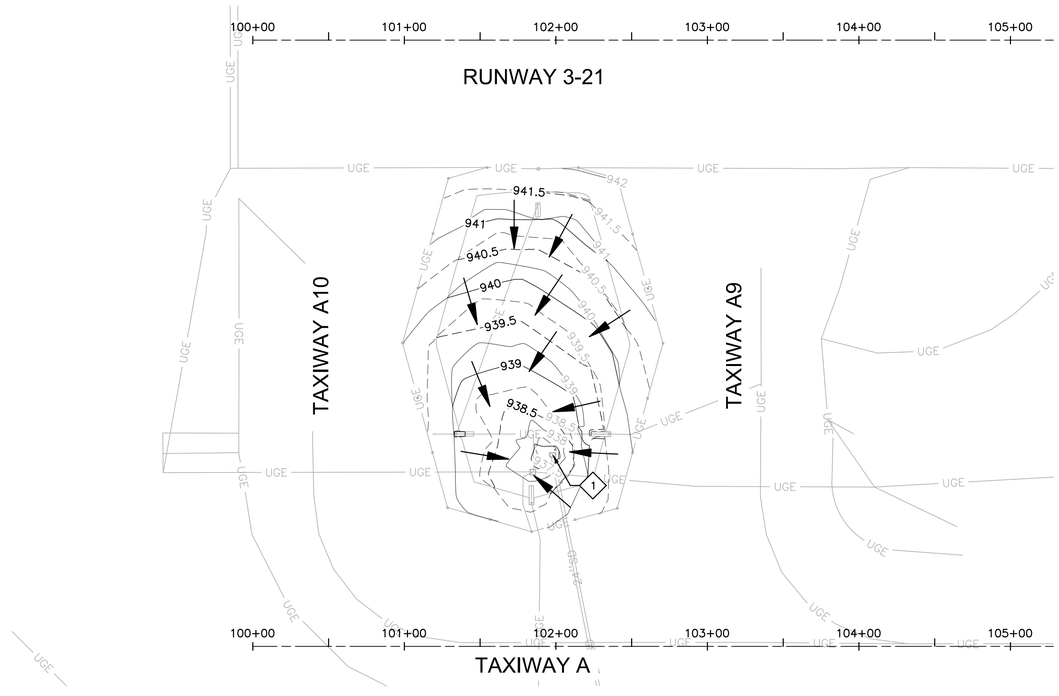
SHEET OVERVIEW TITLE

OVERALL STORMWATER POLLUTION PREVENTION PLAN

SHEET REFERENCE NUMBER:
EC-100

SHEET 17 OF 53

N:\2024\240303 — GYR Infield Paving Ph II\240303.01 GYR Infield Paving Phase II Design\Dwg\Dwg\ AV41000079 FAA-ADOT_EC-100.dwg — Aug 27,2025 1:58pm

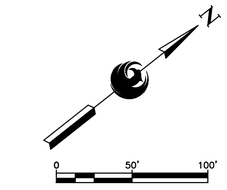


SWPPP NOTES

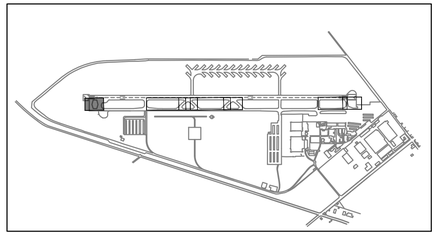
ITEM	DESCRIPTION
1	FURNISH AND INSTALL INLET PROTECTION PER DETAIL A, SHEET EC-501

GENERAL NOTES

1. RUNWAY AND TAXIWAY STATIONING SHOWN FOR REFERENCE ONLY.
2. EXISTING INFIELD UTILITIES AND STRUCTURES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.



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



KEY MAP
NTS

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

SUB CONSULTANT

Professional Engineer (Civil) — Expires 09/30/2026 — 64157 — GREG R. SHAW — Date Signed — ARIZONA, U.S.A.

"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

GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 08/29/2025
Dwg scale: 1"=50'

SHEET OVERVIEW TITLE

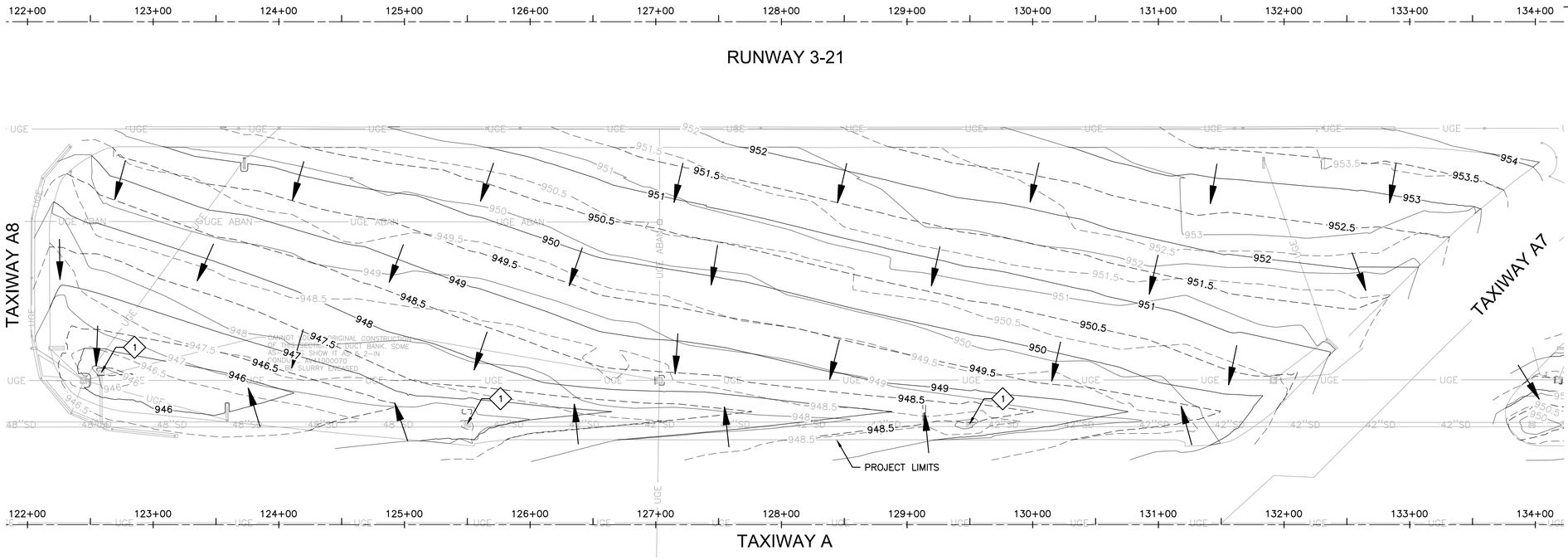
STORMWATER POLLUTION PREVENTION PLAN

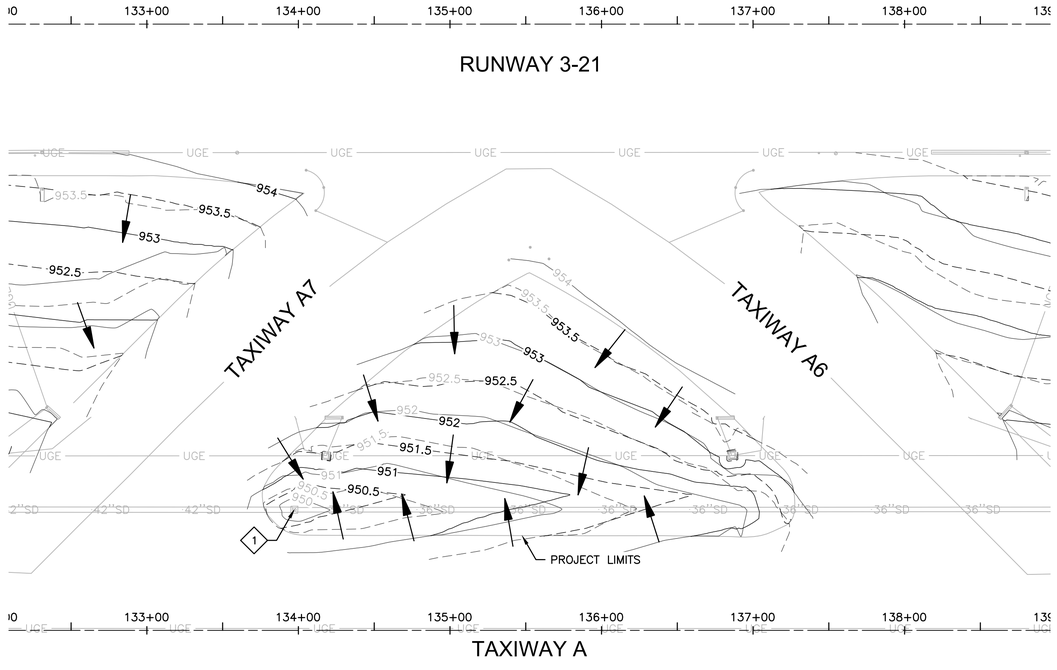
SHEET REFERENCE NUMBER:
EC-101
SHEET 18 OF 53

N:\2024\240303 - GYR Infield Paving Ph II\240303.01 GYR Infield Paving Phase II Design\Dwg\Dwg\ AV41000079 FAA-ADOT-EC-101.dwg - Aya 27.2025 1:59pm

SWPPP NOTES

ITEM	DESCRIPTION
1	FURNISH AND INSTALL INLET PROTECTION PER DETAIL A, SHEET EC-501





GENERAL NOTES

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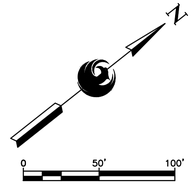

Contact Arizona 811 at least two full working days before you begin excavation
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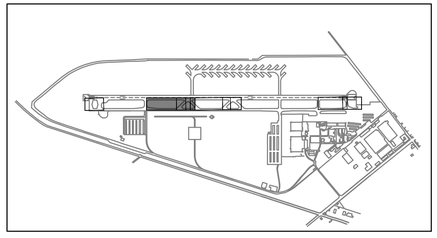
Call 811 or click Arizona811.com



KEY MAP
NTS

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

Registered Professional Engineer (Civil) — Gregory Shaw — 34157 — Date Signed — ARIZONA, U.S.A.

"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
GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 08/29/2025
Dwg scale: 1":50'

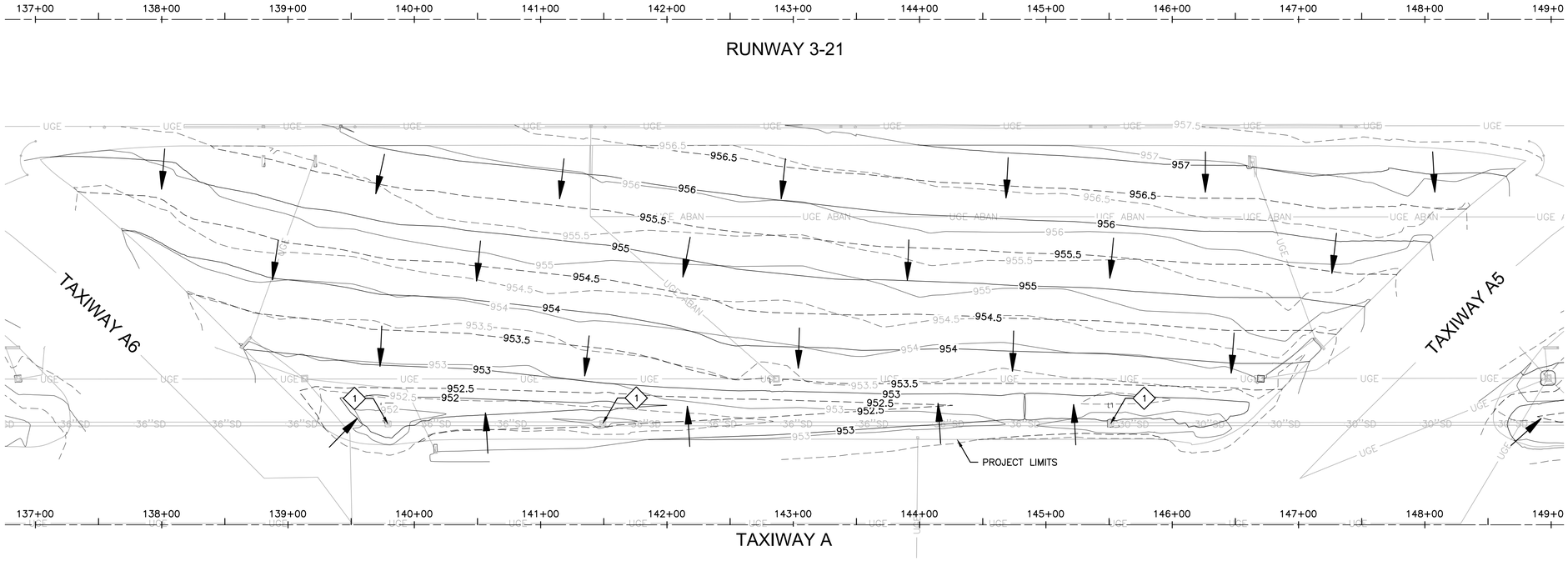
SHEET OVERVIEW TITLE
STORMWATER POLLUTION PREVENTION PLAN

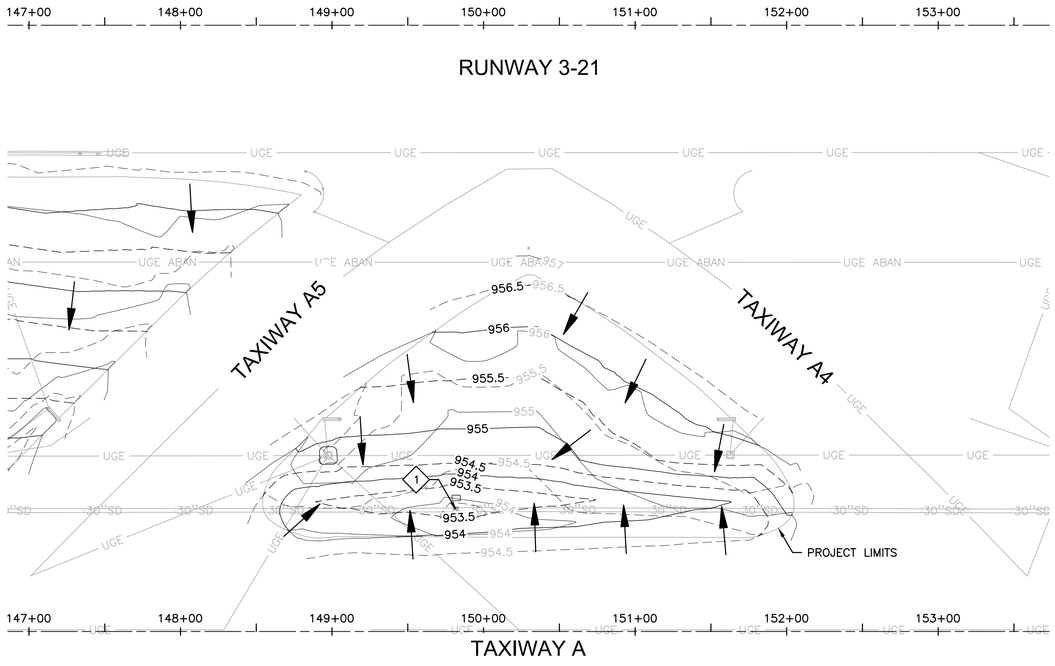
SHEET REFERENCE NUMBER:
EC-102
SHEET 19 OF 53

N:\2024\240303 - GYR Infield Paving Ph II\240303.01 GYR Infield Paving Phase II Design\Dwg\Dwg\ AV41000079 FAA-AIP3T-EC-102.dwg — Aug 27,2025 2:00pm

SWPPP NOTES

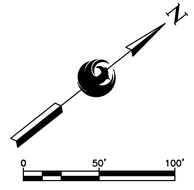
ITEM	DESCRIPTION
1	FURNISH AND INSTALL INLET PROTECTION PER DETAIL A, SHEET EC-501





GENERAL NOTES

1. RUNWAY AND TAXIWAY STATIONING SHOWN FOR REFERENCE ONLY.
2. EXISTING INFIELD UTILITIES AND STRUCTURES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.



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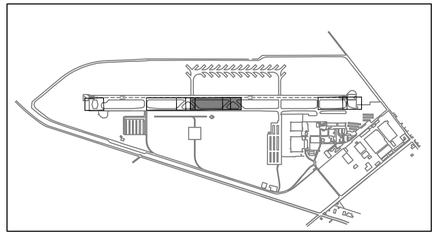
Call 811 or click Arizona811.com



KEY MAP
NTS

"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

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

Professional Engineer (Civil) — Certificate No. 64157 — Date Signed — ARIZONA, U.S.A.

PWX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT

GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 08/29/2025
Dwg scale: 1":50'

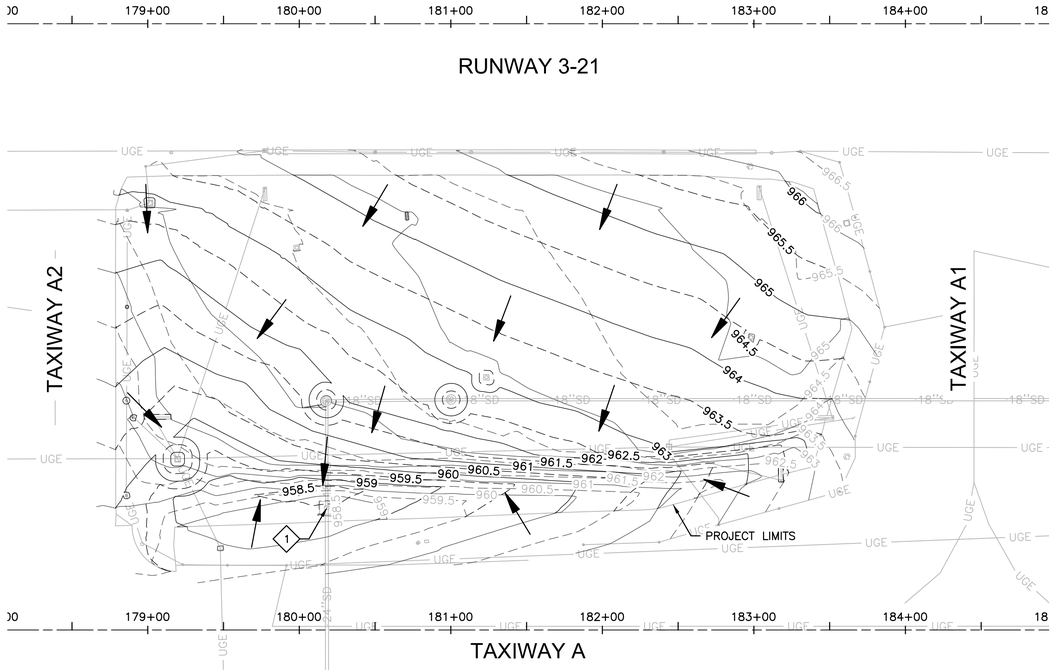
SHEET OVERVIEW TITLE

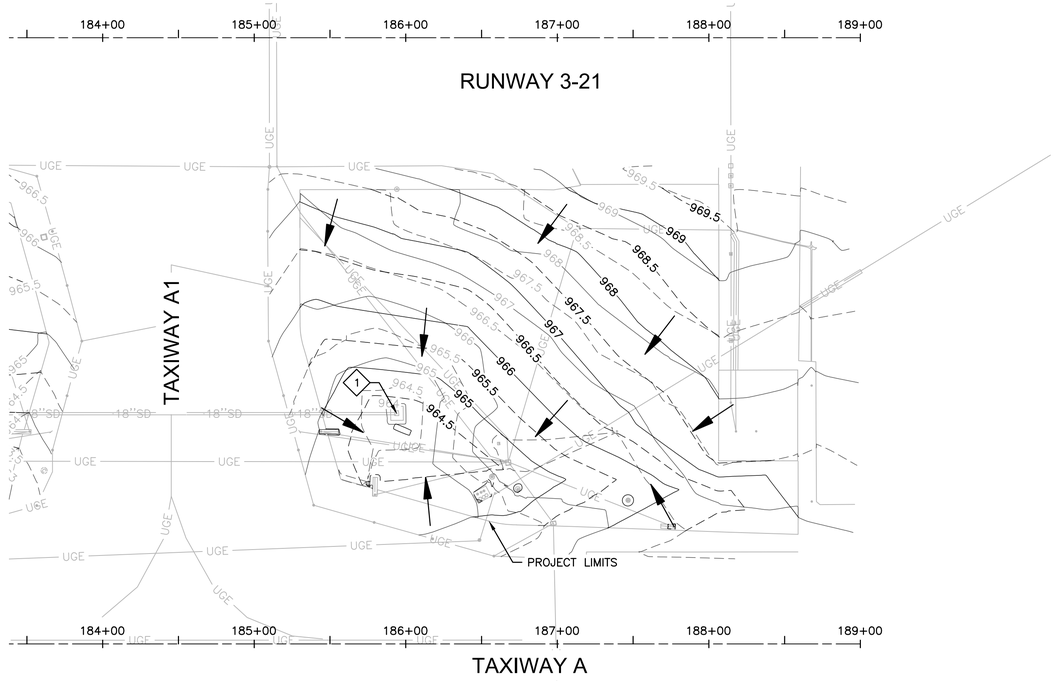
STORMWATER POLLUTION PREVENTION PLAN

SHEET REFERENCE NUMBER:
EC-103

SHEET 20 OF 53

N:\2024\240303 - GYR Infield Paving Ph II\240303.01 GYR Infield Paving Phase II Design\Dwg\Dwg\ AV41000079 FAA-ADOT-EC-103.dwg — Aug 27,2025 2:00pm



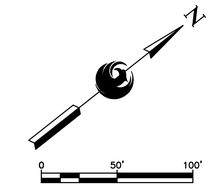


SWPPP NOTES

ITEM	DESCRIPTION
1	FURNISH AND INSTALL INLET PROTECTION PER DETAIL A, SHEET EC-501

GENERAL NOTES

1. RUNWAY AND TAXIWAY STATIONING SHOWN FOR REFERENCE ONLY.
2. EXISTING INFIELD UTILITIES AND STRUCTURES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.



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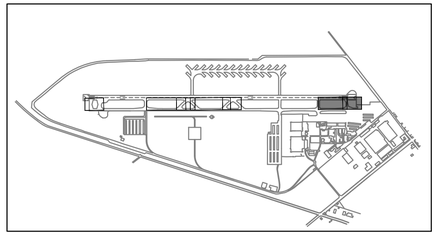
ARIZONA811
Call 811 or click Arizona811.com



KEY MAP
NTS

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

SUB CONSULTANT

Professional Engineer (Civil)
Expires 09/30/2026
64157
GREG R. SHAW
Date Signed
ARIZONA, U.S.A.

"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

GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 08/29/2025
Dwg scale: 1":50'

SHEET OVERVIEW TITLE

STORMWATER POLLUTION PREVENTION PLAN

SHEET REFERENCE NUMBER:
EC-104

SHEET 21 OF 53

N:\2024\240303 - GYR Infield Paving Ph II\240303.01 GYR Infield Paving Phase II Design\Dwg\Dwg\ AV41000079 FAA-ADOT-EC-104.dwg — Aug 27,2025 - 2:01pm

1. A COPY OF THE APPROVED GRADING AND DRAINAGE PLAN FOR THIS PROJECT, TOGETHER WITH A COPY OF THE NOTICE OF INTENT (NOI) AND THIS STORM WATER POLLUTION PREVENTION PLAN (SWPPP), SHALL BE MAINTAINED ON THE SITE AND AVAILABLE FOR REVIEW. THOSE ELEMENTS OF THE GRADING AND DRAINAGE PLAN PERTINENT TO OR REFERENCED ON THE SWPPP SHALL BE CONSIDERED A PART OF THE SWPPP.

2. PLANNING & DEVELOPMENT DEPARTMENT'S CIVIL/SITE INSPECTION GROUP SHALL BE NOTIFIED 48 HOURS BEFORE ANY ON-SITE AND/OR OFF-SITE CONSTRUCTION BEGINS, AT (602) 262-7811.

3. THE OPERATOR SHALL OBTAIN A DUST CONTROL PERMIT FROM MARICOPA COUNTY HEALTH DEPARTMENT AND PERFORM MEASURES AS REQUIRED BY THE PERMIT TO PREVENT EXCESS DUST.

4. THE OPERATOR SHALL PERFORM, AT A MINIMUM, A VISUAL INSPECTION OF THE CONSTRUCTION SITE ONCE EVERY MONTH AND WITHIN 24 HOURS OF RAINFALL GREATER THAN OR EQUAL TO A QUARTER OF AN INCH OR MORE. THE OPERATOR SHALL PREPARE A REPORT DOCUMENTING HIS/HER FINDINGS ON THE CONDITIONS OF THE SWPPP CONTROLS AND NOTE ANY EROSION PROBLEM AREAS. THE OPERATOR'S REPORT IS TO BE SUBMITTED TO THE PLANNING & DEVELOPMENT DEPARTMENT CIVIL/SITE INSPECTOR FOR REVIEW AND APPROVAL. FACILITIES SHALL BE MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING. IN ADDITION, ALL TEMPORARY SILTATION CONTROLS SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED, PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL, AND THE POTENTIAL FOR EROSION HAS PASSED.

5. THE OPERATOR SHALL AMEND THIS PLAN AS NECESSARY DURING THE COURSE OF CONSTRUCTION TO RESOLVE ANY PROBLEM AREAS, WHICH BECOME EVIDENT DURING THE CONSTRUCTION AND/OR DURING RAINFALLS.

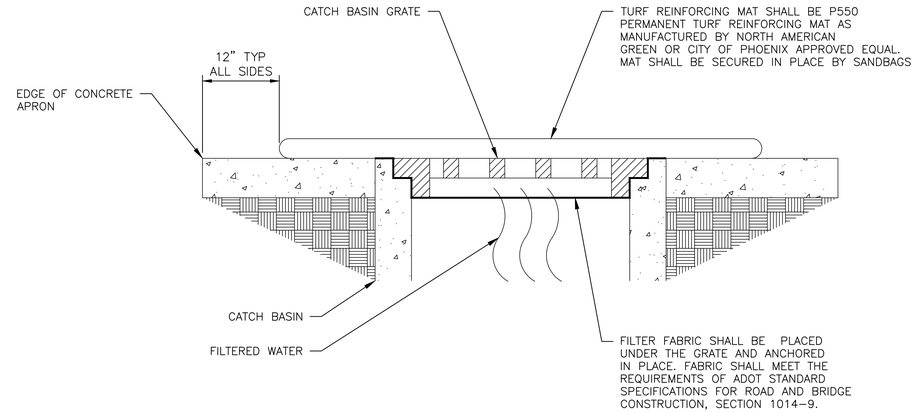
6. THE PERMITTEE SHALL FILE A NOTICE OF TERMINATION (N.O.T.) AFTER COMPLETION OF CONSTRUCTION AND PLACEMENT OF FINAL LANDSCAPE MATERIALS. THE N.O.T. IS TO BE SUBMITTED TO THE PLANNING & DEVELOPMENT DEPARTMENT CIVIL/SITE INSPECTOR AND AZDEQ.

7. THE PERMITTEE SHALL SAVE ALL RECORDS, INCLUDING THE N.O.I., SWPPP, N.O.T., AND INSPECTION REPORTS, ON FILE FOR A MINIMUM OF THREE YEARS FROM THE DATE OF FILING THE N.O.T.

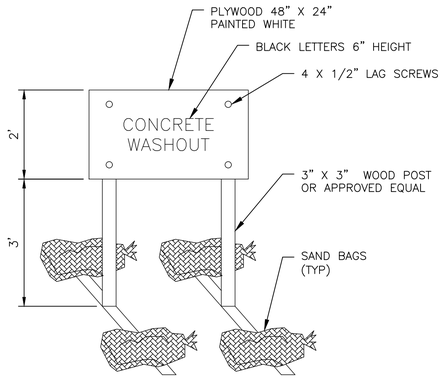
8. THE IMPLEMENTATION OF THESE PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE FACILITIES IS THE RESPONSIBILITY OF THE PERMITTEE/CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED AND THE N.O.T. IS SUBMITTED TO THE PLANNING & DEVELOPMENT DEPARTMENT CIVIL/SITE INSPECTOR AND AZDEQ.

9. THE FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES IN SUCH A MANNER AS TO INSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS, AND MUST BE INSTALLED AND IN OPERATION PRIOR TO ANY GRADING OR LAND CLEARING. WHEREVER POSSIBLE, MAINTAIN NATURAL VEGETATION FOR SILT CONTROL.

10. PLAN APPROVAL IS VALID FOR 180 DAYS. PRIOR TO PLAN APPROVAL EXPIRATION, ALL ASSOCIATED PERMITS SHALL BE PURCHASED OR THE PLANS SHALL BE RESUBMITTED FOR EXTENSION OF PLAN APPROVAL. THE EXPIRATION, EXTENSION, AND REINSTATEMENT OF CIVIL ENGINEERING PLANS AND PERMITS SHALL FOLLOW THE SAME GUIDELINES AS THOSE INDICATED IN THE PHOENIX BUILDING CONSTRUCTION CODE ADMINISTRATIVE PROVISIONS SECTION 105.3 FOR BUILDING PERMITS.



A EC-501 **INLET PROTECTION** N.T.S.



NOTES

1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT SIGN WILL BE INSTALLED WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
3. WASHOUT BASIN SHALL BE MAINTAINED IN GOOD CONDITION BY THE CONTRACTOR.
4. WHEN NEEDED, PLASTIC LINING AND DRY RESIDUE SHALL BE REMOVED AND PROPERLY DISPOSED OF AND A NEW LINER INSTALLED.
5. CONTRACTOR TO USE PRE-FABRICATED LEAK RESISTANT CONCRETE WASH OUT BINS (SEE PHOTO BELOW).
6. LOCATION OF CONCRETE WASHOUT ON SITE SHALL BE AT THE CONTRACTOR'S STAGING AREA OR AS APPROVED BY GYR OPERATIONS.

SAMPLE CONCRETE WASHOUT BIN (SEE NOTE 5 ABOVE, PHOTO FOR REFERENCE ONLY)

B EC-501 **CONCRETE WASHOUT** N.T.S.

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

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

Professional Engineer (Civil) Expires 09/30/2026 Oscar R. Sosa 64157 Date Signed 08/29/2025 ARIZONA, U.S.A.

"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

PEIX GYR
CITY OF PHOENIX AVIATION DEPARTMENT

GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 08/29/2025
Dwg scale: NTS

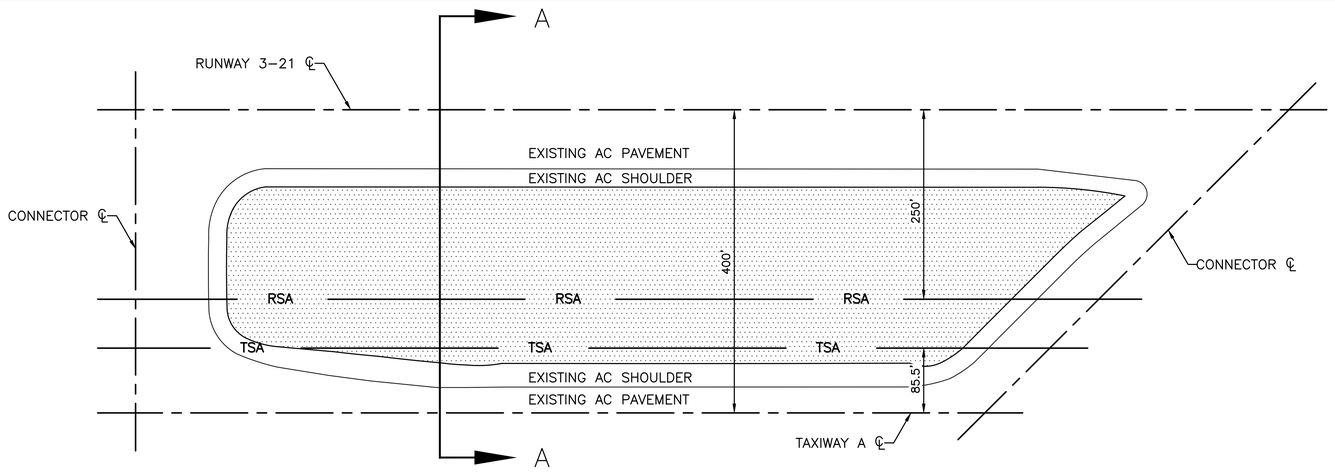
SHEET OVERVIEW TITLE

STORMWATER POLLUTION PREVENTION DETAILS

SHEET REFERENCE NUMBER:
EC-501

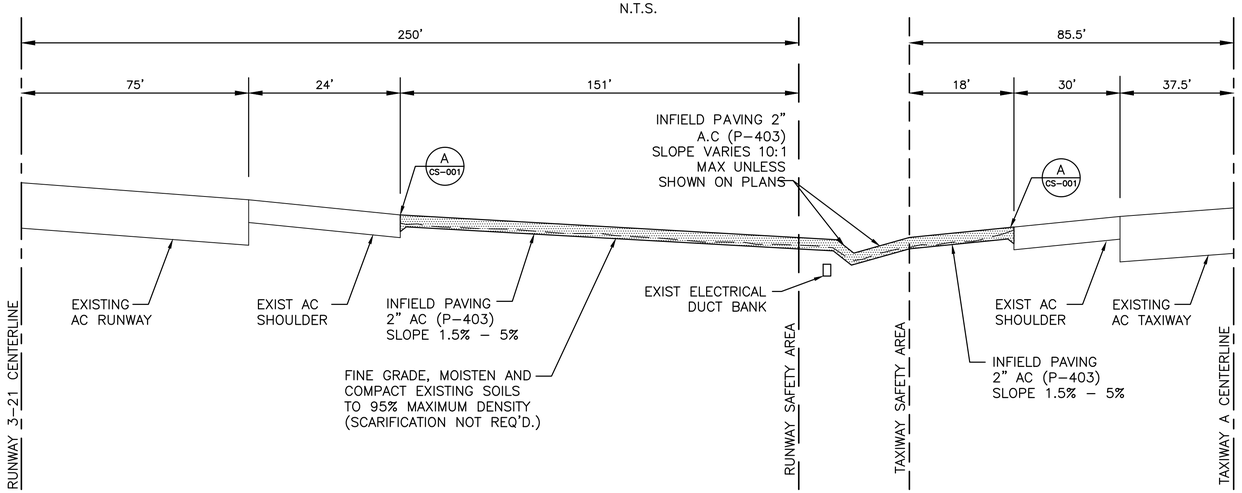
SHEET 22 OF 53

N:\2024\240303 - GYR Infield Paving Ph II\240303.01 GYR Infield Paving Phase II Design\Dwg\Dwg\ AV41000079 FAA-ADOT-EC-501.dwg - Ava 27.2025 2:01pm



PLAN VIEW

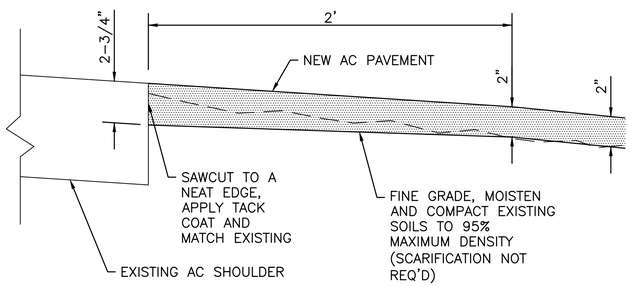
N.T.S.



TYPICAL SECTION A–A

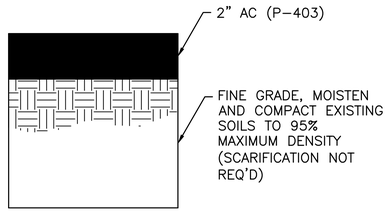
TYPICAL INFIELD DETAIL

N.T.S.



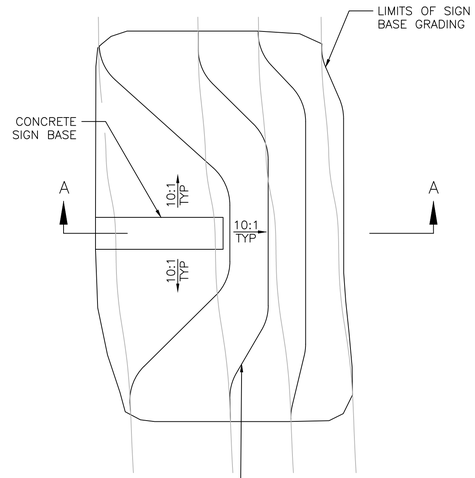
A MATCH EXISTING PAVEMENT DETAIL

N.T.S.

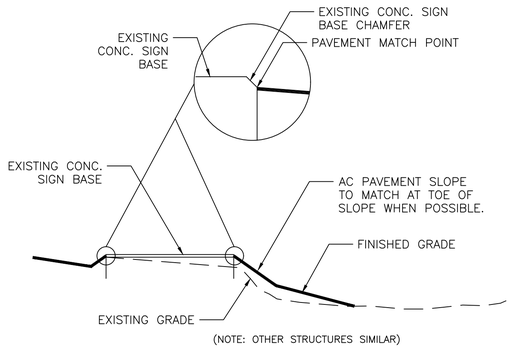


STRUCTURAL SECTION NO. 1

N.T.S.



PLAN



SECTION A–A

NOTE: 10:1 SLOPE IS TYPICAL FOR ALL SIGN BASES. SLOPES UP TO 4:1 MAY BE USED IN LOCATIONS WHERE 10:1 SLOPE IS IMPRACTICAL DUE TO PROXIMITY OF OTHER STRUCTURES WITH ENGINEER'S APPROVAL.

B SIGN BASE PAVING DETAIL

N.T.S.

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

SUB CONSULTANT

Professional Engineer (Civil) Certificate No. 64157 Date Signed 6/30/25 Steven R. Shaw ARIZONA, U.S.A.

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT
CITY OF PHOENIX AVIATION DEPARTMENT

GOODYEAR AIRPORT
INFIELD PAVING
PHASE II

AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by: G. SHAW	
Drawn by: A. SANTILLI	
Checked by: C. JHAVERI	
Date: 06/29/2025	
Dwg scale: NTS	

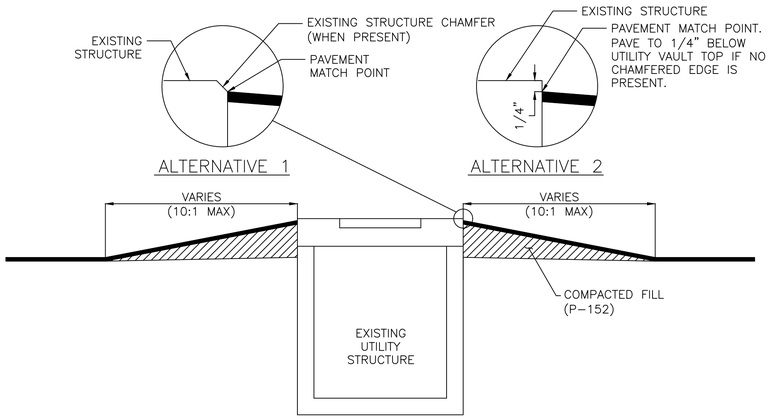
SHEET OVERVIEW TITLE

TYPICAL SECTIONS AND DETAILS

SHEET REFERENCE NUMBER:
CS-501

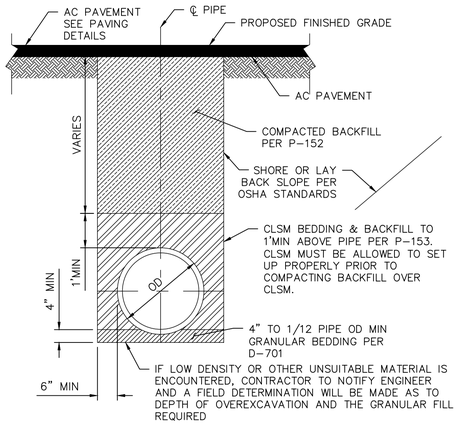
SHEET 23 OF 53

N:\2024\240303 – GYR Infield Paving Ph II\240303.01 GYR Infield Paving Phase II Design\Dwg\Dwg\ AV41000079 FAA–AIGT–CS–501.dwg – Aug 27,2025, 2:01pm



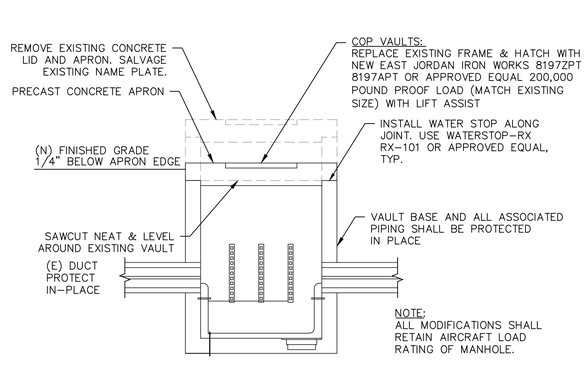
C STRUCTURE PAVING DETAIL

N.T.S.



D STORM DRAIN PIPE TRENCH DETAIL

N.T.S.

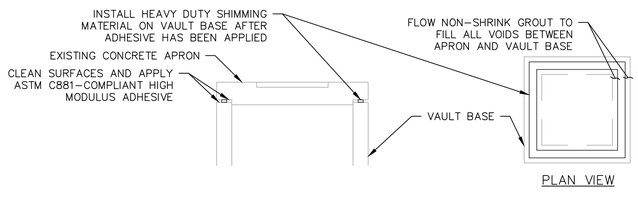


UTILITY VAULT NOTES

1. ALL STEEL, OTHER THAN REBAR, TO BE HOT DIPPED GALVANIZED AFTER FABRICATION.
2. GROUT ALL CONDUIT PENETRATIONS.
3. PROVIDE MANUFACTURER'S DRAWINGS AND STRUCTURAL CALCULATIONS FOR ALL CONCRETE ELEMENTS OF UTILITY VAULTS AND FABRICATED TRAFFIC LIDS.
4. DO NOT CONNECT COUNTERPOISE TO GROUNDING SYSTEM.
5. AFTER ADJUSTING THE UTILITY VAULT TO GRADE, THE CONTRACTOR SHALL REPLACE THE LADDER (SEE NOTE 6) AS NECESSARY TO ENSURE THAT IT IS THE CORRECT LENGTH FOR THE NEW DEPTH OF THE VAULT.
6. ALL REPLACED LADDERS TO BE FIBERGLASS WITH MOUNTED HOOKS AT TOP. A PERMANENT MOUNTED TOP STEP TO BE INSTALLED WITHIN THE VAULT COLLAR TO HOOK LADDERS TO.
7. ALL UTILITIES WITHIN EXISTING UTILITY VAULTS SHALL BE PROTECTED IN PLACE. EXISTING UTILITIES DAMAGED AS A RESULT OF CONSTRUCTION SHALL BE FIXED BY CONTRACTOR AT NO COST TO THE CITY.
8. THE HINGE OF THE LID SHALL BE FACING THE NEAREST RUNWAY OR PARALLEL TAXIWAY PAVEMENT.

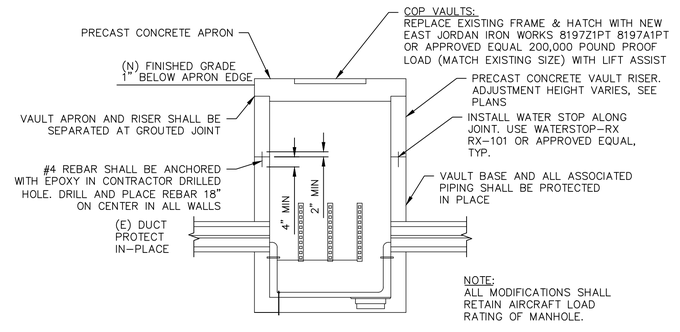
E UTILITY VAULT LOWER DETAIL

N.T.S.



PLAN VIEW

3" ADJUSTMENT



UTILITY VAULT NOTES

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3. PROVIDE MANUFACTURER'S DRAWINGS AND STRUCTURAL CALCULATIONS FOR ALL CONCRETE ELEMENTS OF UTILITY VAULTS AND FABRICATED TRAFFIC LIDS.
4. DO NOT CONNECT COUNTERPOISE TO GROUNDING SYSTEM.
5. AFTER ADJUSTING THE UTILITY VAULT TO GRADE, THE CONTRACTOR SHALL REPLACE THE LADDER (SEE NOTE 6) AS NECESSARY TO ENSURE THAT IT IS THE CORRECT LENGTH FOR THE NEW DEPTH OF THE VAULT.
6. ALL REPLACED LADDERS TO BE FIBERGLASS WITH MOUNTED HOOKS AT TOP. A PERMANENT MOUNTED TOP STEP TO BE INSTALLED WITHIN THE VAULT COLLAR TO HOOK LADDERS TO.
7. ALL UTILITIES WITHIN EXISTING UTILITY VAULTS SHALL BE PROTECTED IN PLACE. EXISTING UTILITIES DAMAGED AS A RESULT OF CONSTRUCTION SHALL BE FIXED BY CONTRACTOR AT NO COST TO THE CITY.
8. THE HINGE OF THE LID SHALL BE FACING THE NEAREST RUNWAY OR PARALLEL TAXIWAY PAVEMENT.

F UTILITY VAULT EXTENSION

N.T.S.

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

SUB CONSULTANT

Registered Professional Engineer (Civil) Gregg R. Stanley 24157 Date Signed 6/30/25 ARIZONA, U.S.A.

"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

GOODYEAR AIRPORT
INFIELD PAVING
PHASE II

AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 08/29/2025
Dwg scale: NTS

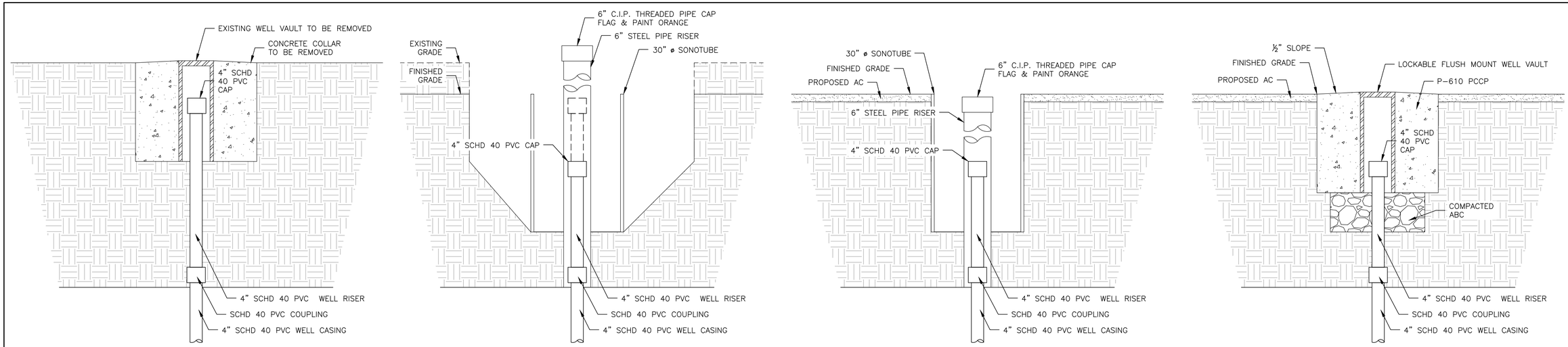
SHEET OVERVIEW TITLE

DETAILS

SHEET REFERENCE NUMBER:
CS-502

SHEET 24 OF 53

N:\2024\240303 - GYR Infield Paving Ph II\240303.01 GYR Infield Paving Phase II Design\Dwg\Dwg\ AV41000079 FAA-AIP01-CS-502.dwg - Aug 28,2025 6:04pm 6:04pm



(G) ADJUST EXISTING MONITORING WELL DETAIL

N.T.S.

1. THESE DETAILS ARE INTENDED TO BE TYPICAL IN NATURE.
2. THE CONTRACTOR SHALL BE THOROUGHLY FAMILIAR WITH EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
3. MODIFY DETAILS AS REQUIRED FOR EACH MONITORING WELL SITE TO MATCH INDIVIDUAL EXISTING SITE CONDITIONS.
4. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ANY EXISTING UTILITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
5. ALL WELLS, PULL BOXES AND VAULTS SHALL BE PHYSICALLY LOCATED AND IDENTIFIED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
6. OWNERSHIP OF THE WELLS MUST BE DETERMINED PRIOR TO CONSTRUCTION AND COORDINATED WITH SAID OWNER.
7. THE CONTRACTOR SHALL ENSURE THAT THE WELLS WITHIN THE PROJECT AREA ARE PROTECTED FROM DAMAGE DURING THE CONSTRUCTION ACTIVITIES.
8. IF WELL ARE TO BE ABANDONED, WORK MUST BE IN ACCORDANCE WITH ADWR REGULATIONS AND PERMITS.
9. SHOULD ANY WELL BE PHYSICALLY DAMAGED OR CHEMICALLY COMPROMISED BECAUSE OF THE SITE WORK, THE CONTRACTOR SHALL REIMBURSE THE OWNER THE COST OF DAMAGE EVALUATION, REPAIR AND IN-KIND REPLACEMENT.
10. THE WELL VAULTS SHALL BE PROTECTED AND MODIFIED AS FOLLOWS:
    - 10.1. PRIOR TO ANY SITE WORK, NOTIFY MARIA SCUDDER AT (602) 683-3982 FOR SCHEDULING AND SUPERVISION OF ALL VAULT MODIFICATION ACTIVITIES. A CITY OF PHOENIX AVIATION REPRESENTATIVE MUST BE PRESENT FOR ALL OF THE FOLLOWING TASKS (10.2.-10.9.).
    - 10.2. REMOVE EXISTING VAULT, CONCRETE COLLAR AND HINGED CAP IF PRESENT. PLACE A 4" STEEL CAP ON THE WELL CASING.
    - 10.3. HAND DIG AROUND PVC WELL RISER TO A MINIMUM OF 1FT BELOW FINISHED GRADE.
    - 10.4. THE CITY OF PHOENIX AVIATION REPRESENTATIVE WILL CUT THE PIPE AND PLACE THE 4" CAP.
    - 10.5. PLACE A CAPPED 6" STEEL PIPE OVER THE EXTENDED WELL CASING AS SHOWN. PAINT THE PIPE FLUORESCENT ORANGE AND ATTACH FLAG.
    - 10.6. PRIOR TO PLACEMENT OF THE AC PAVEMENT, INSTALL A 30" DIAMETER SONOTUBE AS SHOWN.
    - 10.7. AFTER PLACEMENT OF THE AC PAVEMENT, REMOVE THE 6" STEEL RISER AND SONOTUBE.
    - 10.8. BACKFILL AROUND THE RISER WITH ABC AND COMPACT.
    - 10.9. SET THE LOCKING WELL VAULT AND CONCRETE IN PLACE AS SHOWN.
11. NO PETROLEUM OR SOLVENT BASED GLUES, SOLVENT, OR LUBRICANTS SHALL BE USED.
12. THE CONTRACTOR SHALL REMOVE EXISTING WELL VAULTS AND DISPOSE OF AS CONSTRUCTION DEBRIS.
13. ANY CONCRETE SHALL CONFORM TO FAA P-501 SPECIFICATION. CEMENT SHALL CONFORM TO REQUIREMENTS OF ASTM C 150 TYPE II. ANY CONCRETE CURING MATERIALS SHALL CONFORM TO FAA P-501 SPECIFICATION.
14. ALL BACKFILLING SHALL BE COMPACTED TO 95% MODIFIED PROCTOR AS SPECIFIED IN FAA SPECIFICATION P-152.
15. WELL VAULT SHALL BE A LOCKING FLUSH MOUNT WITH 12" ID AND MEET OR EXCEED THE LOADING REQUIREMENTS IN FAA SPECIFICATION D-751.

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

SUB CONSULTANT

Professional Engineer (Civil) — Expires 09/30/2026 — 64157 — Greg R. Shaw — Registered — ARIZONA, U.S.A.

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT

GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 08/29/2025
Dwg scale: NTS

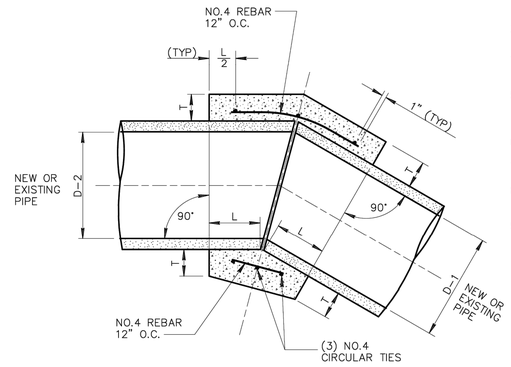
SHEET OVERVIEW TITLE

DETAILS

SHEET REFERENCE NUMBER:
CS-503

SHEET 25 OF 53

N:\2024\240303 - GYR Infield Paving Ph II\240303.01 GYR Infield Paving Phase II Design\Dwg\Dwg\ AV41000079 FAA-ADOT-CS-503.dwg - Aug 27,2025 2:02pm

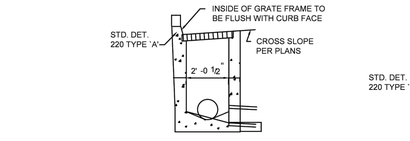


NOTES:

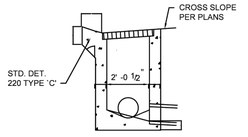
1. A CONCRETE COLLAR IS REQUIRED WHERE PIPES OF DIFFERENT DIAMETERS OR MATERIALS ARE JOINED, OR WHERE THE CHANGE IN ALIGNMENT OR GRADE EXCEEDS THAT ALLOWED FOR ON ORDINARY JOINTS.
2. WHERE PIPES OF DIFFERENT DIAMETERS ARE JOINED WITH A CONCRETE COLLAR, L AND T SHOULD BE THOSE OF THE LARGER PIPE. D=D−1, OR D−2 WHICHEVER IS GREATER.
3. OMIT REINFORCING ON PIPE 24" OR LESS IN DIAMETER.
4. WHERE REINFORCING IS REQUIRED, THE DIAMETER OF THE CIRCULAR TIES SHALL BE THE OUTSIDE DIAMETER OF PIPE+T.
5. FIELD CLOSURES OF PIPE OF THE SAME DIAMETER AND WITHOUT CHANGE IN GRADE OR ALIGNMENT SHALL BE MADE WITH A CONCRETE COLLAR.
6. CONCRETE SHALL BE CLASS B PER SECT. 725.
7. ALL REBAR SHALL HAVE 3" MINIMUM CLEAR COVER.
8. PIPE ENDS TO BE TRIMMED SUCH THAT THE MAXIMUM DISTANCE BETWEEN PIPES AT ANY POINT IS 2".
9. AN ENGINEER APPROVED WATER STOP IS REQUIRED ON ALL PIPES EXCEPT CONCRETE PIPE.

TABLE		
D	L	T
18"	1.0'	5"
24"	1.0'	6"
36"	1.5'	8"
57"	1.5'	10"
66"	1.75'	11"
FOR PIPE SIZES NOT LISTED AND LESS THAN 66" USE THE NEXT SIZE LARGER.		

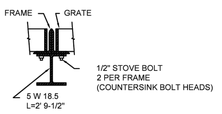
DETAIL NO.			REVISED	DETAIL NO.
505	MARICOPA ASSOCIATION of GOVERNMENTS STANDARD DETAIL ENGLISH	CONCRETE COLLAR FOR PIPE	01−01−2018	505



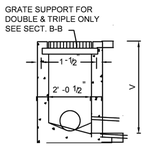
`N' CATCH BASIN IN VERTICAL CURB & GUTTER



`N' CATCH BASIN IN ROLL CURB & GUTTER



SECTION B-B

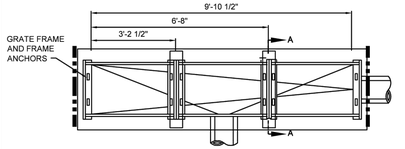


SECTION A-A

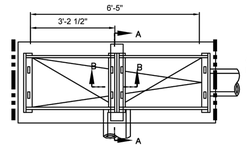
NOTES:

1. ALL CONCRETE SHALL BE CLASS 'A'.
2. CONNECTOR PIPES MAY BE PLACED IN ANY WALL AS PER PLAN.
3. FLOOR OF BASIN SHALL BE TROWELLED TO A HARD, SMOOTH SURFACE AND SHALL SLOPE FROM ALL DIRECTIONS TO OUTLET.
4. CONSTRUCTION DRAINS SHALL BE INSTALLED WHEN NOTED. (SEE DETAIL P1575)
5. CONNECTOR PIPE SHALL BE TRIMMED TO THE FINAL SHAPE AND LENGTH BEFORE CONCRETE IS POURED.
6. PLANS SHOULD SPECIFY ELEVATION AND INVERT ELEVATION.
7. THE TYPE 'N' CATCH BASIN MAY BE PREFABRICATED PROVIDING A SHOP DRAWING IS APPROVED BY THE ENGINEER PRIOR TO FABRICATION.
8. THE FRAME SHALL BE DET. P1564, TYPE 1 AND THE GRATE SHALL BE DET. P1565, TYPE 1.
9. EXPANSION JOINT (TYP)
10. INSTALL ONE CITY FURNISHED POLLUTION AWARENESS MARKER (PAM) AT EACH CATCH BASIN, AS DIRECTED BY THE ENGINEER.

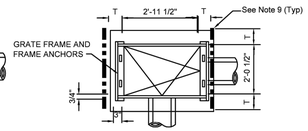
CATCH BASIN WALL THICKNESS
T=6" IF V = 4' OR LESS
T=8" IF V = 4' TO 8'
(IF V EXCEEDS 8' SPECIAL DESIGN IS REQUIRED)
V=4'-0' UNLESS OTHERWISE NOTED.



TRIPLE CATCH BASIN PLAN

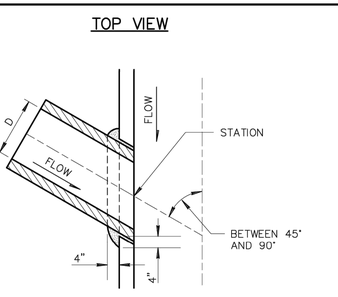


DOUBLE CATCH BASIN PLAN

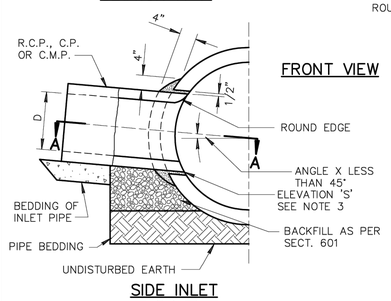


SINGLE CATCH BASIN PLAN

DETAIL NO.			REVISED	DETAIL NO.
P1570	City of Phoenix STANDARD DETAIL	CATCH BASIN TYPE "N"	APPROVED CITY ENGINEER 12/10/2012 DATE	P1570

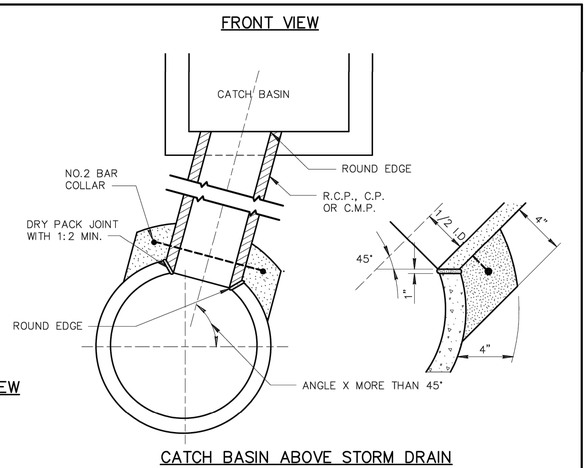


SECTION A−A



FRONT VIEW

SIDE INLET TYPE 1

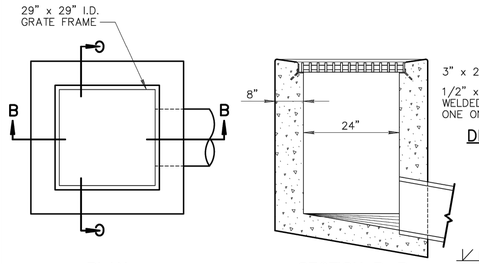


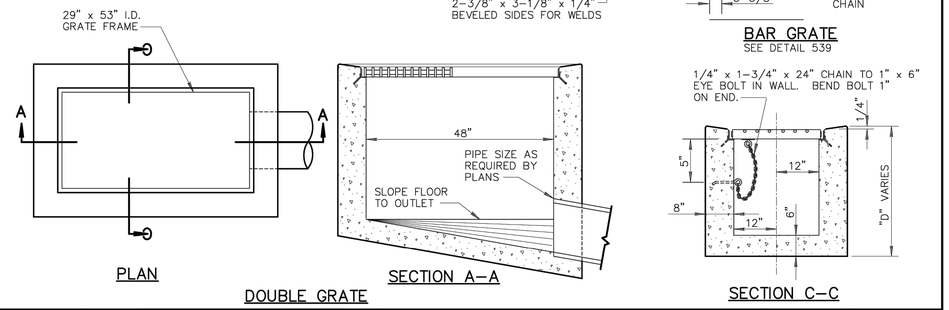
CATCH BASIN ABOVE STORM DRAIN TYPE 2

NOTES:

1. D SHALL BE 24" OR LESS. FOR LARGER VALUE OF D USE MANHOLE OR JUNCTION STRUCTURE.
2. IN NO CASE SHALL THE OUTSIDE DIAMETER OF THE INLET EXCEED ONE HALF THE INSIDE DIAMETER OF THE MAIN STORM DRAIN.
3. CENTERLINE OF INLET SHALL BE ON RADIUS OF MAIN STORM DRAIN EXCEPT WHEN ELEVATION S IS SHOWN ON PLANS.
4. THE MINIMUM OPENING INTO THE STORM DRAIN SHALL BE THE OUTSIDE DIAMETER OF THE CONNECTING PIPE PLUS 1".
5. IF ANGLE X FROM HORIZONTAL IS 45° OR LESS USE TYPE 1. IF ANGLE X IS 45° OR OVER USE TYPE 2.

DETAIL NO.			REVISED	DETAIL NO.
524	MARICOPA ASSOCIATION of GOVERNMENTS STANDARD DETAIL ENGLISH	STORM DRAIN LATERAL PIPE CONNECTIONS	01−01−1998	524





DETAIL NO.			REVISED	DETAIL NO.
537	MARICOPA ASSOCIATION of GOVERNMENTS STANDARD DETAIL ENGLISH	CATCH BASIN − TYPE 'G'	01−03−2002	537

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

SUB CONSULTANT

Registered Professional Engineer (Civil) — Steven R. Sparks — 24157 — Date Signed 08/29/25 — ARIZONA, U.S.A.

"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

GOODYEAR AIRPORT
INFIELD PAVING
PHASE II

AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

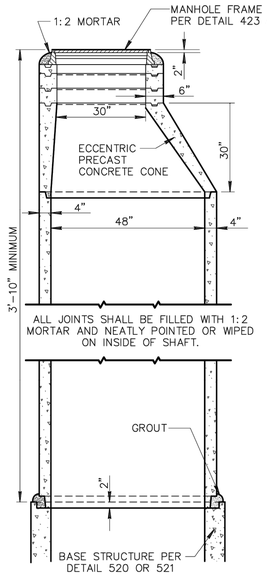
Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 08/29/2025
Dwg scale: NTS

SHEET OVERVIEW TITLE

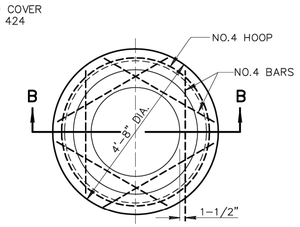
DETAILS (FOR REFERENCE ONLY)

SHEET REFERENCE NUMBER:
CS-504

N:\2024\240303 — GYR Infield Paving Ph II\240303.01 GYR Infield Paving Phase II Design\Dwg\Dwg\ AV41000079 FAA-ADOT-CS-504.dwg — Aug 27,2025 - 2:02pm

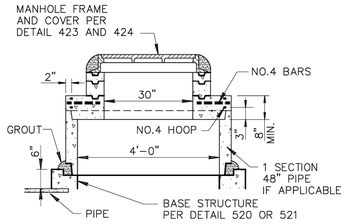


VERTICAL SECTION OF ECCENTRIC MANHOLE SHAFT



PLAN

USE WHERE THERE IS 3'-10" OR LESS COVER OVER PIPE

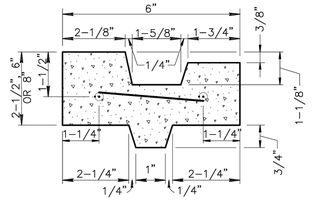


SECTION B–B

SHALLOW MANHOLE

NOTES:

1. PRECAST CONCRETE CONES AND SECTIONS TO BE A.S.T.M. C–478.
2. BRICK MAY BE USED IN LIEU OF OR IN COMBINATION WITH CONCRETE ADJUSTING RINGS.
3. PRECAST CONCRETE SECTIONS 48" DIA PIPE MAY BE FURNISHED IN STANDARD LENGTHS.
4. UNLESS OTHERWISE SHOWN ON PLANS, USE (2) 2–1/2" PRECAST CONCRETE ADJUSTING RINGS ON IMPROVED STREETS AND (4) 2–1/2" RINGS ON UNIMPROVED STREETS.
5. CONCRETE SHALL BE CLASS A PER SECTION 725 AND 505.

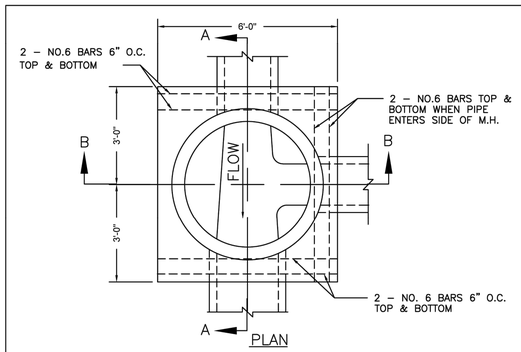


2–1/2" RINGS SHALL BE REINFORCED WITH TWO 1/4" ROUND STEEL HOOPS; 6" AND 8" RINGS SHALL BE REINFORCED WITH FOUR 1/4" HOOPS, TIED WITH NO. 14 A.S.& W. GAUGE WIRE 8" O.C.

REINFORCED CONCRETE ADJUSTING RING

DETAIL NO.			REVISED	DETAIL NO.
522	MARICOPA ASSOCIATION of GOVERNMENTS STANDARD DETAIL ENGLISH	STORM DRAIN MANHOLE SHAFT	01–01–2015	522

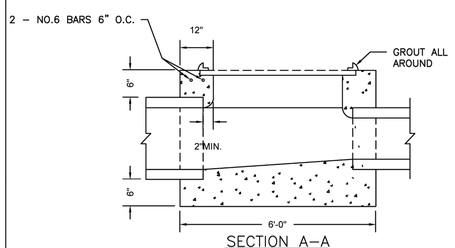
NOTES:
1. MANHOLE IS TO BE RATED FOR A 100,000 LB AIRCRAFT WHEEL LOADING.
2. REPLACE MANHOLE FRAME AND COVER SHOWN WITH NEENAH R–3491–JG FRAME AND COVER OR APPROVED EQUIVALENT.
3. MANHOLE BASE PER COP STD DTL P1520.



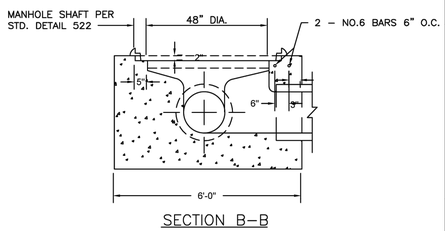
PLAN

NOTES

1. ALL CONCRETE TO BE CLASS "A" PER SECTION 725.
2. MATCH SPRING LINES OF PIPES ENTERING M.H. UNLESS OTHERWISE NOTED.
3. CUT PIPED TO ALLOW SETTING OF 4' DIA. CYLINDRICAL FORM FROM 6" ABOVE MAIN LINE PIPE TO SPRING LINE. CUT PIPE 2" LARGER THAN FORM TO ALLOW 2" CONC. OVER ENDS OF ALL CUT PIPE.
4. INVERT AND BASE OF M.H. TO BE POURED AND INVERT TO BE SHAPED BY HAND TO MAKE SMOOTH TRANSITION FINISH WITH RUBBER FLOAT.
5. CENTER M.H. ON PIPE JOINT WHERE PIPE CHANGES SIZES.
6. BENCH M.H. BASE TO TOP OF LARGEST PIPE.



SECTION A–A



SECTION B–B

DETAIL NO.			APPROVED	DETAIL NO.
P1520	City of Phoenix STANDARD DETAIL	STORM DRAIN MANHOLE BASE 48" & SMALLER	Kenneth W. Hamm CITY ENGINEER 7/9/92 DATE	P1520

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

SUB CONSULTANT

Professional Engineer (Civil) — Greg R. Shaw — 44157 — Date Signed 6/30/25 — ARIZONA, U.S.A.

"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 GYR

CITY OF PHOENIX AVIATION DEPARTMENT

GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 08/29/2025
Dwg scale: NTS

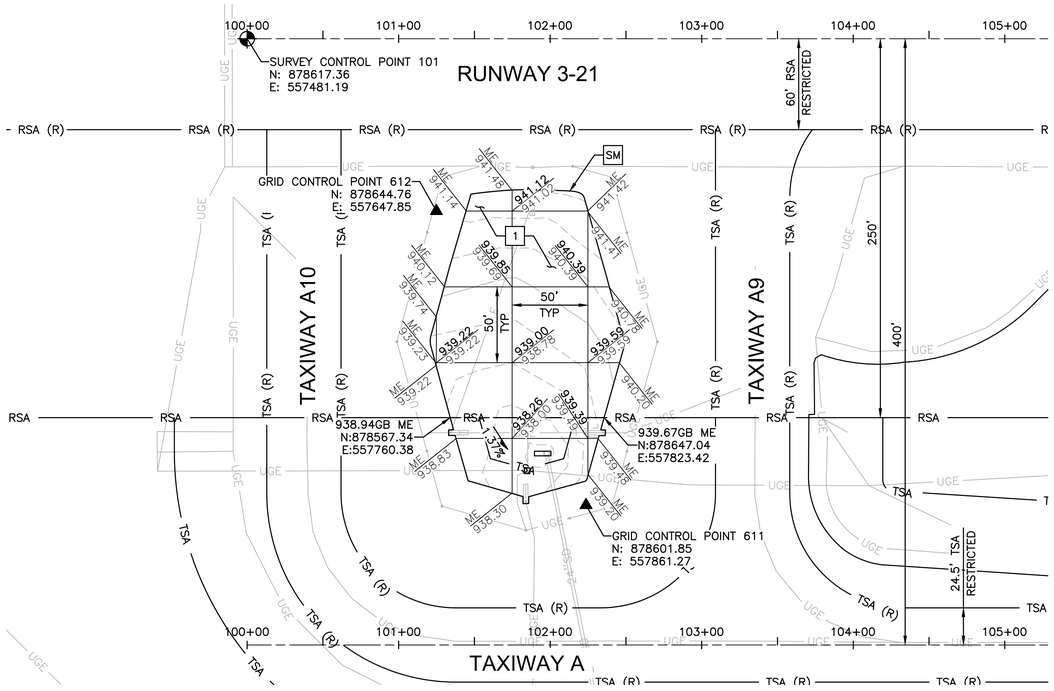
SHEET OVERVIEW TITLE

DETAILS (FOR REFERENCE ONLY)

SHEET REFERENCE NUMBER:
CS-505

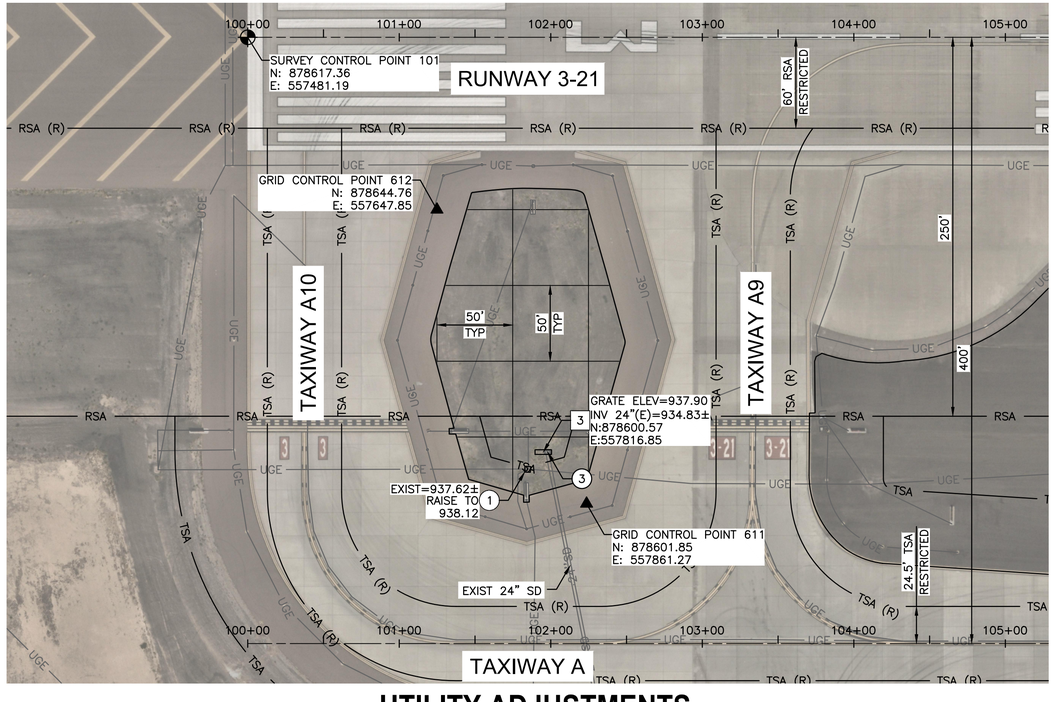
SHEET 27 OF 53

N:\2024\240303 – GYR Infield Paving Ph II\240303.01 GYR Infield Paving Phase II Design\Dwg\Dwg\ AV41000079 FAA–ADOT–CS–505.dwg — Aug 27,2025 2:03pm



INFIELD PAVING & GRADING

INFIELD AN10



UTILITY ADJUSTMENTS

ADJUSTMENT & REMOVAL NOTES

ITEM	DESCRIPTION	QTY
1	RAISE EXISTING UTILITY VAULT PER DETAIL F, SHEET CS–502	1 EA
3	REMOVE EXISTING CATCH BASIN	1 EA

CONSTRUCTION NOTES

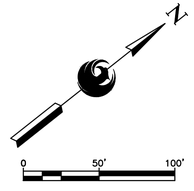
ITEM	DESCRIPTION	QTY
1	CONSTRUCT ASPHALT PAVEMENT PER STRUCTURAL SECTION NO. 1, SHEET CS–501	251 TON
3	CONSTRUCT NEW CONCRETE CATCH BASIN PER COP STD DTL P1570 (TRIPLE) T=6", PROVIDED FOR REFERENCE ON SHEET CS–504	1 EA
SM	SAWCUT ASPHALT PAVEMENT (FULL DEPTH)	571 LF

REFERENCE NOTES

1. SEE ELECTRICAL PLANS FOR SIGN BASE NOTES

GENERAL NOTES

1. RUNWAY AND TAXIWAY STATIONING SHOWN FOR REFERENCE ONLY.
2. AERIAL PHOTOGRAPH SHOWN IS INTENDED TO PROVIDE CLARITY FOR VAULT LOCATING AND IS INTENDED TO BE USED FOR REFERENCE ONLY.
3. EXISTING INFIELD UTILITIES AND STRUCTURES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.



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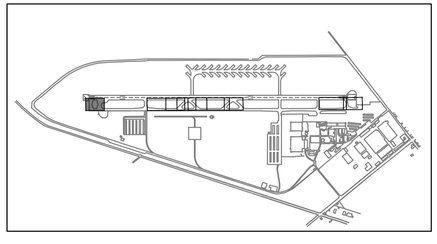


KEY MAP

NTS

"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

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

SUB CONSULTANT

Professional Engineer (Civil) — Expires 09/30/2026 — 34157 — GREG R. SHAW — Registered — ARIZONA, U.S.A.

PHX DVT BY
DEPARTMENT OF AVIATION
CITY OF PHOENIX

GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by:	G. SHAW
Drawn by:	A. SANTILLI
Checked by:	C. JHAVERI
Date:	08/29/2025
Dwg scale:	1":50'

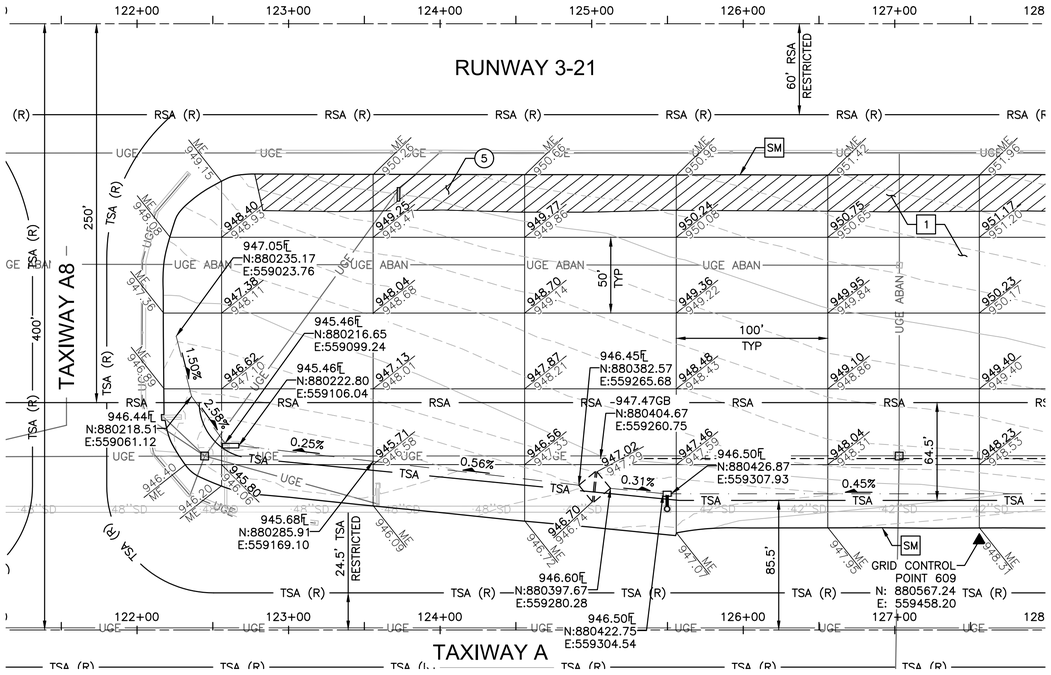
SHEET OVERVIEW TITLE

INFIELD UTILITY ADJUSTMENTS AND PAVING

SHEET REFERENCE NUMBER:
CG-101

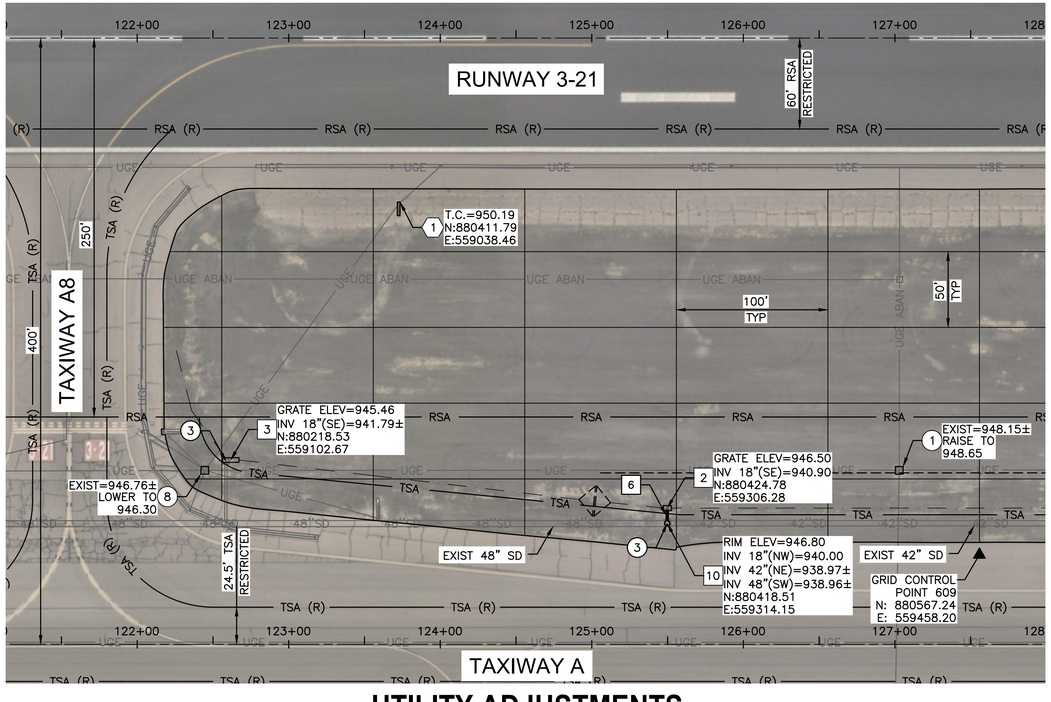
SHEET 28 OF 53

N:\2024\240303 – GYR Infield Paving Ph II\240303.01 GYR Infield Paving Phase II Design\Dwg\Dwg\ AV41000079 FAA–AIGT–03–101.dwg – Aug 27,2025 2:04pm



INFIELD PAVING & GRADING

INFIELD AN8 (SOUTH)



UTILITY ADJUSTMENTS

ADJUSTMENT & REMOVAL NOTES

ITEM	DESCRIPTION	QTY
(1)	RAISE EXISTING UTILITY VAULT PER DETAIL F, SHEET CS–502	1 EA
(3)	REMOVE EXISTING CATCH BASIN	2 EA
(5)	REMOVE EXISTING ASPHALT PAVEMENT	1,377 SY
(8)	LOWER EXISTING UTILITY VAULT PER DETAIL E, SHEET CS–502	1 EA

CONSTRUCTION NOTES

ITEM	DESCRIPTION	QTY
1	CONSTRUCT ASPHALT PAVEMENT PER STRUCTURAL SECTION NO. 1, SHEET CS–501	1,633 TON
2	CONSTRUCT NEW CONCRETE CATCH BASIN PER MAG STD DTL 537 (DOUBLE), PROVIDED FOR REFERENCE ON SHEET CS–504	1 EA
3	CONSTRUCT NEW CONCRETE CATCH BASIN PER COP STD DTL P1570 (TRIPLE) T=6", PROVIDED FOR REFERENCE ON SHEET CS–504	1 EA
6	INSTALL NEW 18" RGRCP, CLASS V	8 LF
10	CONSTRUCT NEW AIRCRAFT RATED STORM DRAIN MANHOLE (SHALLOW) PER MAG STD DTL 522. MANHOLE BASE PER COP STD DTL P1520	1 EA
SM	SAWCUT ASPHALT PAVEMENT (FULL DEPTH)	1,332 LF

REFERENCE NOTES

(1) SEE ELECTRICAL PLANS FOR SIGN BASE NOTES

GENERAL NOTES

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2. AERIAL PHOTOGRAPH SHOWN IS INTENDED TO PROVIDE CLARITY FOR VAULT LOCATING AND IS INTENDED TO BE USED FOR REFERENCE ONLY.
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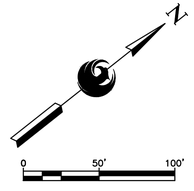

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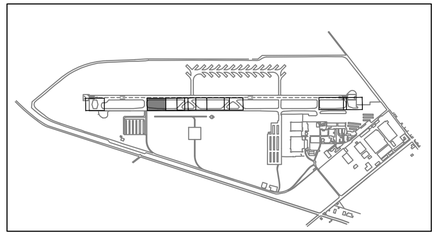

KEY MAP

NTS

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

SUB CONSULTANT

Professional Engineer (Civil) — Certificate No. 64157 — Date Signed — Expires 09/30/2026 — Registered with the State of Arizona

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR

CITY OF PHOENIX AVIATION DEPARTMENT

GOODYEAR AIRPORT
INFIELD PAVING
PHASE II

AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 08/29/2025
Dwg scale: 1":50'

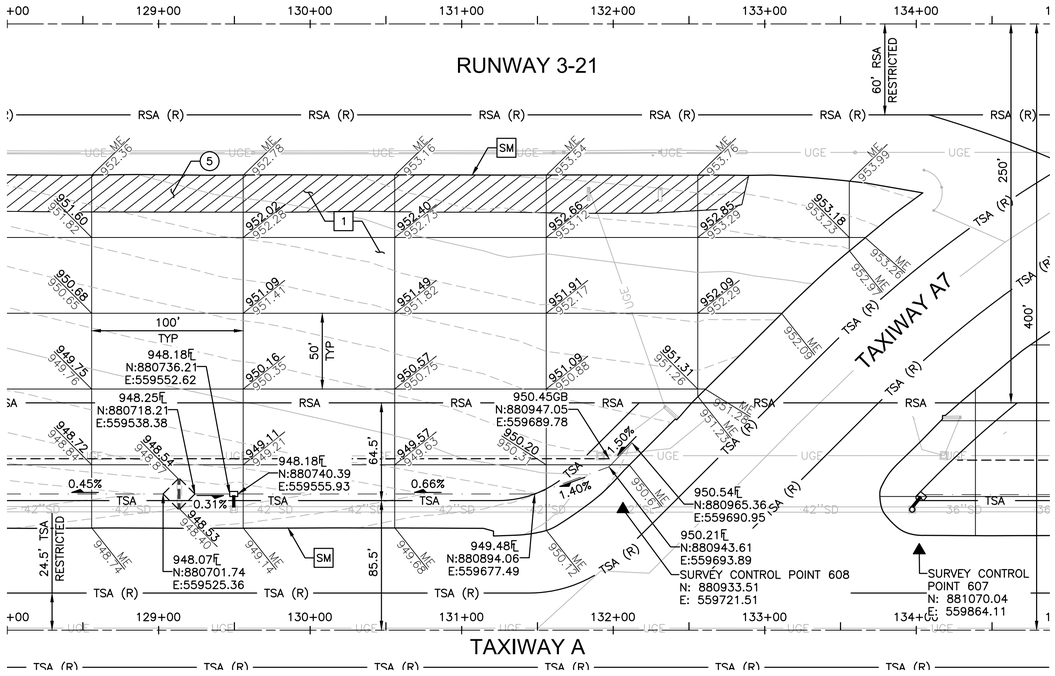
SHEET OVERVIEW TITLE

INFIELD UTILITY ADJUSTMENTS AND PAVING

SHEET REFERENCE NUMBER: CG-102

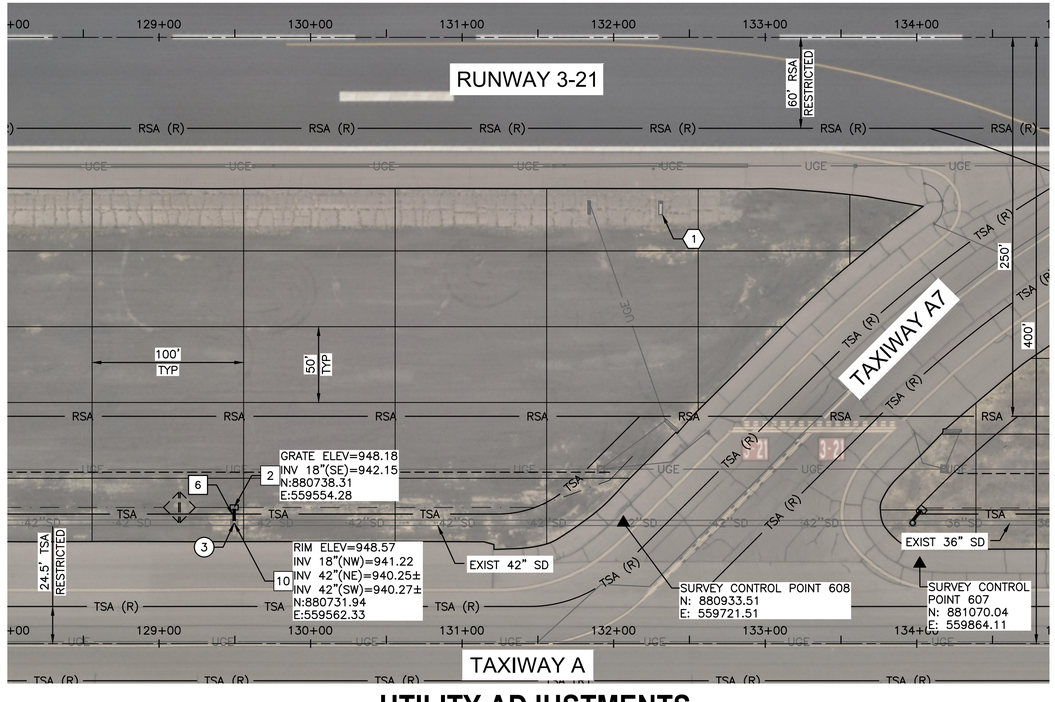
SHEET 29 OF 53

N:\2024\240303 – GYR Infield Paving Ph II\240303.01 GYR Infield Paving Phase II Design\Dwg\Dwg\ AV41000079 FAA-AIGT-CG-102.dwg – Aug 28,2025 4:29pm



INFIELD PAVING & GRADING

INFIELD AN8 (NORTH)



UTILITY ADJUSTMENTS

ADJUSTMENT & REMOVAL NOTES

ITEM	DESCRIPTION	QTY
3	REMOVE EXISTING CATCH BASIN	1 EA
5	REMOVE EXISTING ASPHALT PAVEMENT	1,303 SY

CONSTRUCTION NOTES

ITEM	DESCRIPTION	QTY
1	CONSTRUCT ASPHALT PAVEMENT PER STRUCTURAL SECTION NO. 1, SHEET CS-501	1,416 TON
2	CONSTRUCT NEW CONCRETE CATCH BASIN PER MAG STD DTL 537 (DOUBLE), PROVIDED FOR REFERENCE ON SHEET CS-504	1 EA
6	INSTALL NEW 18" RGRCP, CLASS V	8 LF
10	CONSTRUCT NEW AIRCRAFT RATED STORM DRAIN MANHOLE (SHALLOW) PER MAG STD DTL 522. MANHOLE BASE PER COP STD DTL P1520	1 EA
SM	SAWCUT ASPHALT PAVEMENT (FULL DEPTH)	1,300 LF

REFERENCE NOTES

1 SEE ELECTRICAL PLANS FOR SIGN BASE NOTES

GENERAL NOTES

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2. AERIAL PHOTOGRAPH SHOWN IS INTENDED TO PROVIDE CLARITY FOR VAULT LOCATING AND IS INTENDED TO BE USED FOR REFERENCE ONLY.
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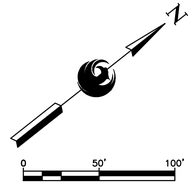

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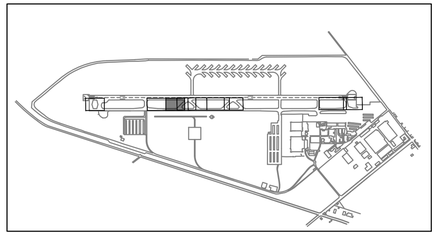


KEY MAP

NTS

"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

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

SUB CONSULTANT

Registered Professional Engineer (Civil) — Gregory R. Shaw — 24157 — Date Signed — ARIZONA, U.S.A.

PRIME VET BY

DEPARTMENT OF AVIATION — CITY OF PHOENIX

GOODYEAR AIRPORT
INFIELD PAVING
PHASE II

AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by:	G. SHAW
Drawn by:	A. SANTILLI
Checked by:	C. JHAVERI
Date:	08/29/2025
Dwg scale:	1":50'

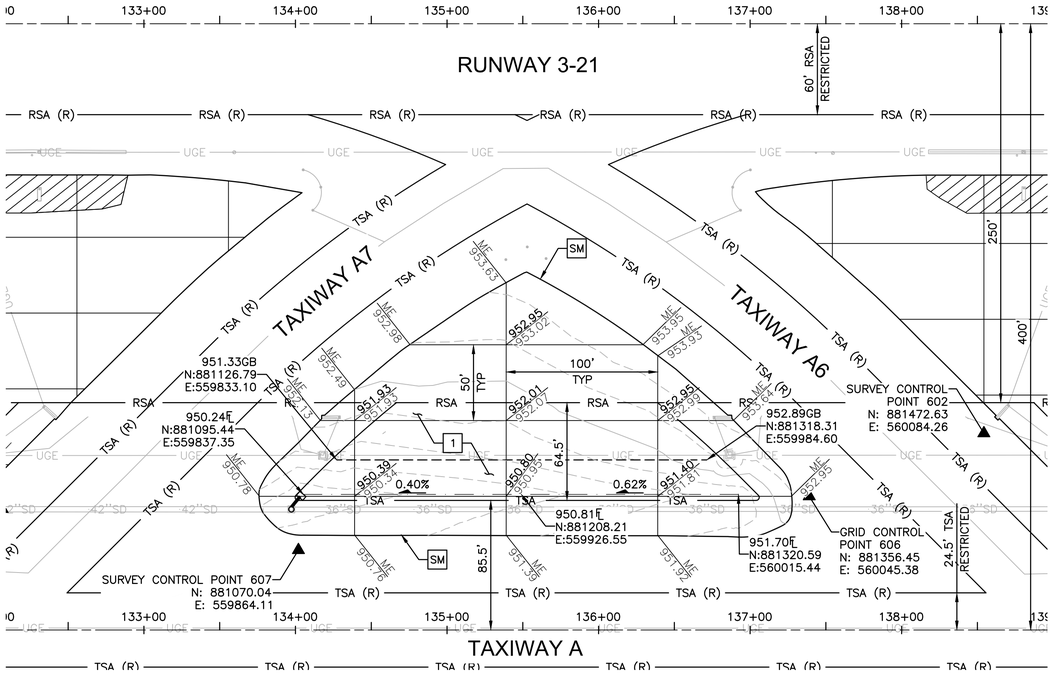
SHEET OVERVIEW TITLE

INFIELD UTILITY ADJUSTMENTS AND PAVING

SHEET REFERENCE NUMBER: CG-103

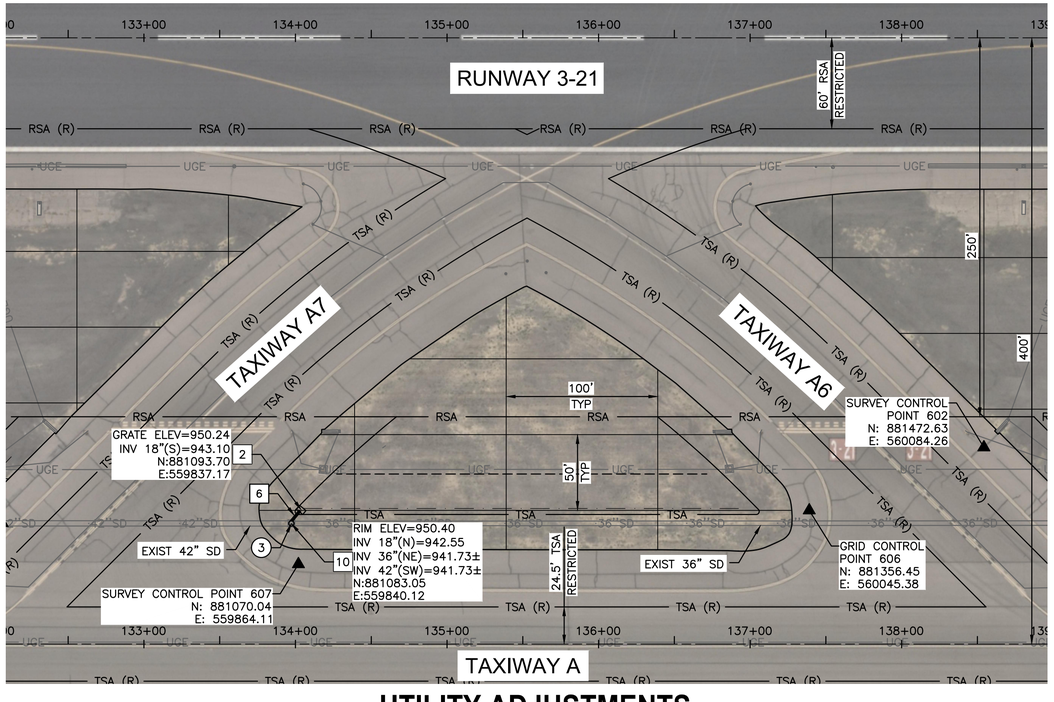
SHEET 30 OF 53

N:\2024\240303 - GYR Infield Paving Ph II\240303.01_GYR_Infield_Paving_Phase_II_Design\Dwg\Dwg_AV41000079_FAA-AIGT_CG-103.dwg - Aug 28,2025 4:49pm



INFIELD PAVING & GRADING

INFIELD AN7



UTILITY ADJUSTMENTS

ADJUSTMENT & REMOVAL NOTES

ITEM	DESCRIPTION	QTY
3	REMOVE EXISTING CATCH BASIN	1 EA

CONSTRUCTION NOTES

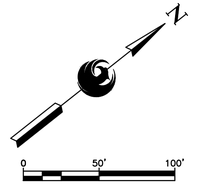
ITEM	DESCRIPTION	QTY
1	CONSTRUCT ASPHALT PAVEMENT PER STRUCTURAL SECTION NO. 1, SHEET CS-501	495 TON
2	CONSTRUCT NEW CONCRETE CATCH BASIN PER MAG STD DTL 537 (DOUBLE), PROVIDED FOR REFERENCE ON SHEET CS-504	1 EA
6	INSTALL NEW 18" RGRCP, CLASS V	10 LF
10	CONSTRUCT NEW AIRCRAFT RATED STORM DRAIN MANHOLE (SHALLOW) PER MAG STD DTL 522. MANHOLE BASE PER COP STD DTL P1520	1 EA
SM	SAWCUT ASPHALT PAVEMENT (FULL DEPTH)	853

REFERENCE NOTES

1 SEE ELECTRICAL PLANS FOR SIGN BASE NOTES

GENERAL NOTES

1. RUNWAY AND TAXIWAY STATIONING SHOWN FOR REFERENCE ONLY.
2. AERIAL PHOTOGRAPH SHOWN IS INTENDED TO PROVIDE CLARITY FOR VAULT LOCATING AND IS INTENDED TO BE USED FOR REFERENCE ONLY.
3. EXISTING INFIELD UTILITIES AND STRUCTURES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.



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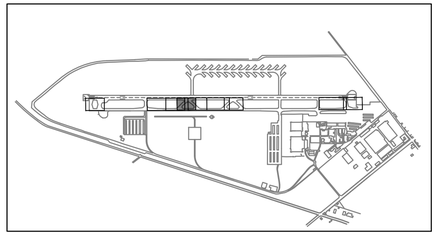
ARIZONA811
Call 811 or click Arizona811.com



KEY MAP

NTS

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

"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
DEPARTMENT OF AVIATION
CITY OF PHOENIX AVIATION DEPARTMENT

GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 08/29/2025
Dwg scale: 1":50'

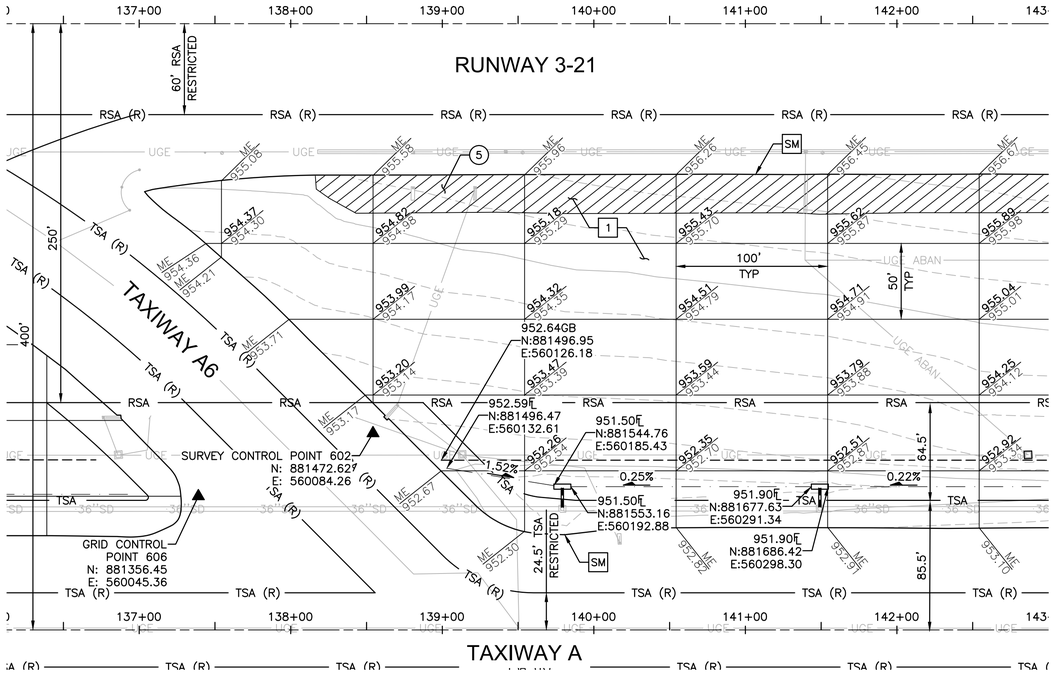
SHEET OVERVIEW TITLE

INFIELD UTILITY ADJUSTMENTS AND PAVING

SHEET REFERENCE NUMBER:
CG-104

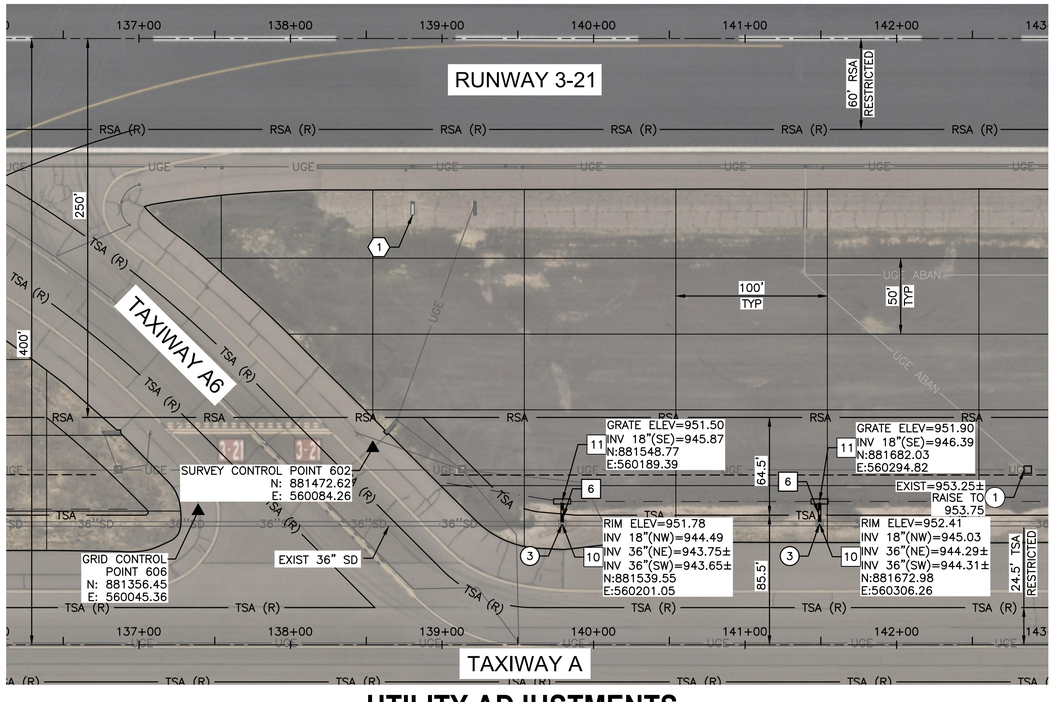
SHEET 31 OF 53

N:\2024\240303 - GYR Infield Paving Ph II\240303.01 GYR Infield Paving Phase II Design\Dwg\Dwg\ AV41000079 FAA-AIGT-03--104.dwg -- Aug 27,2025 2:07pm



INFIELD PAVING & GRADING

INFIELD AN6 (SOUTH)



UTILITY ADJUSTMENTS

ADJUSTMENT & REMOVAL NOTES

ITEM	DESCRIPTION	QTY
(1)	RAISE EXISTING UTILITY VAULT PER DETAIL F, SHEET CS–502	1 EA
(3)	REMOVE EXISTING CATCH BASIN	2 EA
(5)	REMOVE EXISTING ASPHALT PAVEMENT	1,344 SY

CONSTRUCTION NOTES

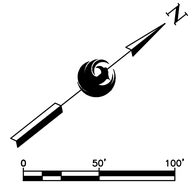
ITEM	DESCRIPTION	QTY
1	CONSTRUCT ASPHALT PAVEMENT PER STRUCTURAL SECTION NO. 1, SHEET CS–501	1,402 TON
6	INSTALL NEW 18" RGRCP, CLASS V	26 LF
10	CONSTRUCT NEW AIRCRAFT RATED STORM DRAIN MANHOLE (SHALLOW) PER MAG STD DTL 522. MANHOLE BASE PER COP STD DTL P1520	2 EA
11	CONSTRUCT NEW CONCRETE CATCH BASIN PER COP STD DTL P1570 (TRIPLE) T=8", PROVIDED FOR REFERENCE ON SHEET CS–504	2 EA
SM	SAWCUT ASPHALT PAVEMENT (FULL DEPTH)	1,285 LF

REFERENCE NOTES

(1) SEE ELECTRICAL PLANS FOR SIGN BASE NOTES

GENERAL NOTES

1. RUNWAY AND TAXIWAY STATIONING SHOWN FOR REFERENCE ONLY.
2. AERIAL PHOTOGRAPH SHOWN IS INTENDED TO PROVIDE CLARITY FOR VAULT LOCATING AND IS INTENDED TO BE USED FOR REFERENCE ONLY.
3. EXISTING INFIELD UTILITIES AND STRUCTURES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.



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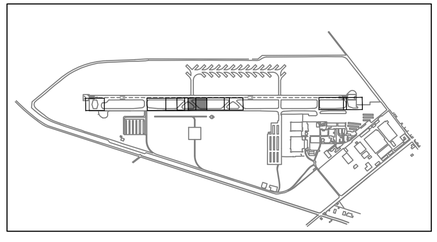
ARIZONA811
Call 811 or click Arizona811.com



KEY MAP

NTS

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

Professional Engineer (Civil) — Expires 09/30/2026 — 64157 — Oscar R. Shaw — Registered — ARIZONA, U.S.A.

"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 BY
CITY OF PHOENIX AVIATION DEPARTMENT

GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 08/29/2025
Dwg scale: 1":50'

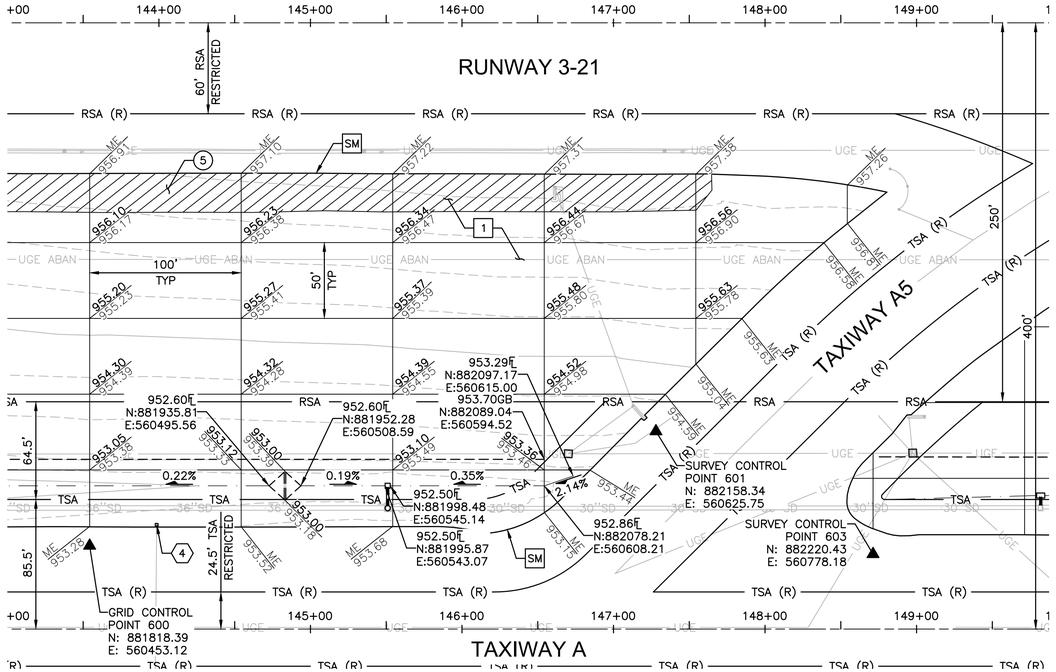
SHEET OVERVIEW TITLE

INFIELD UTILITY ADJUSTMENTS AND PAVING

SHEET REFERENCE NUMBER:
CG-105

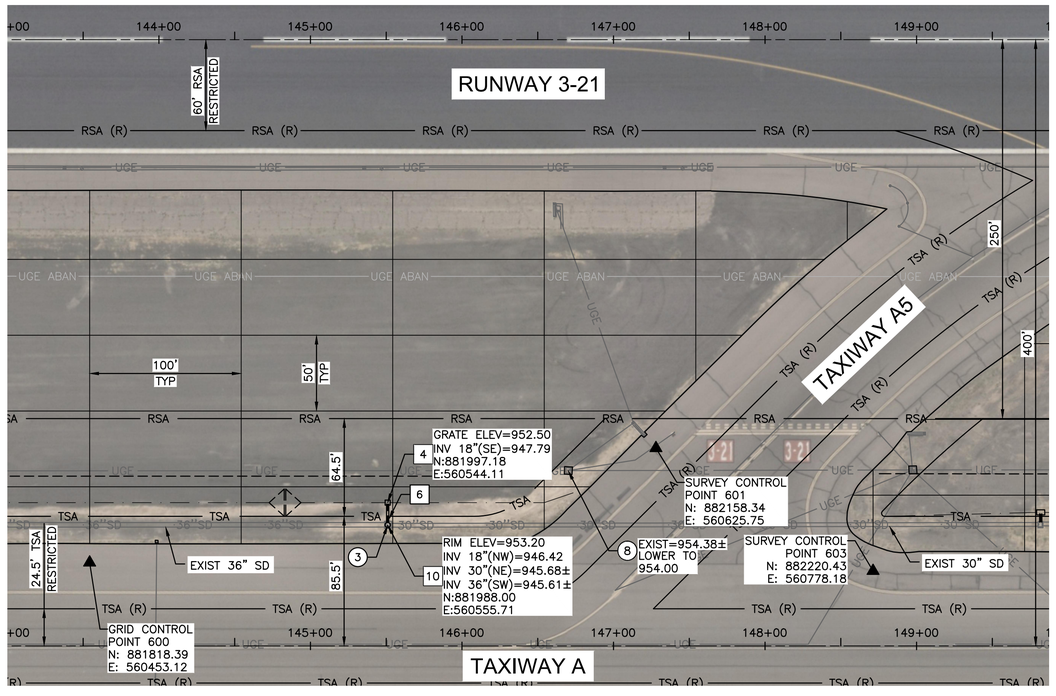
SHEET 32 OF 53

N:\2024\240303 – GYR Infield Paving Ph II\240303.01_GYR_Infield_Paving_Phase_II_Design\Dwg\Dwg_AV41000079_FAA–AIGT_CG–105.dwg – Aug 28,2025 5:05pm



INFIELD PAVING & GRADING

INFIELD AN6 (NORTH)



UTILITY ADJUSTMENTS

ADJUSTMENT & REMOVAL NOTES

ITEM	DESCRIPTION	QTY
3	REMOVE EXISTING CATCH BASIN	1 EA
5	REMOVE EXISTING ASPHALT PAVEMENT	1,291 SY
8	LOWER EXISTING UTILITY VAULT PER DETAIL E, SHEET CS–502	1 EA

CONSTRUCTION NOTES

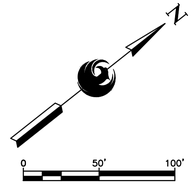
ITEM	DESCRIPTION	QTY
1	CONSTRUCT ASPHALT PAVEMENT PER STRUCTURAL SECTION NO. 1, SHEET CS–501	1,351 TON
4	CONSTRUCT NEW CONCRETE CATCH BASIN PER MAG STD DTL 537 (SINGLE), PROVIDED FOR REFERENCE ON SHEET CS–504	1 EA
6	INSTALL NEW 18" RGRCP, CLASS V	13 LF
10	CONSTRUCT NEW AIRCRAFT RATED STORM DRAIN MANHOLE (SHALLOW) PER MAG STD DTL 522. MANHOLE BASE PER COP STD DTL P1520	1 EA
SM	SAWCUT ASPHALT PAVEMENT (FULL DEPTH)	1,254 LF

REFERENCE NOTES

1. SEE ELECTRICAL PLANS FOR SIGN BASE NOTES
4. SEE ELECTRICAL PLANS FOR DUCT MARKER NOTES

GENERAL NOTES

1. RUNWAY AND TAXIWAY STATIONING SHOWN FOR REFERENCE ONLY.
2. AERIAL PHOTOGRAPH SHOWN IS INTENDED TO PROVIDE CLARITY FOR VAULT LOCATING AND IS INTENDED TO BE USED FOR REFERENCE ONLY.
3. EXISTING INFIELD UTILITIES AND STRUCTURES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.



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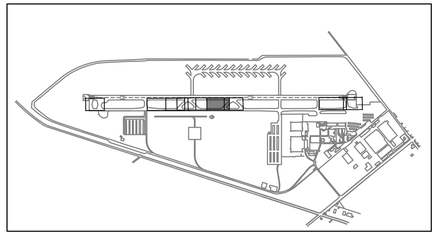
Call 811 or click Arizona811.com



KEY MAP

NTS

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

Professional Engineer (Civil) — Expires 09/30/2026 — 44157 — GREG R. SHAW — Registered Engineer — ARIZONA, U.S.A.

"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 BY
CITY OF PHOENIX AVIATION DEPARTMENT

GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 08/29/2025
Dwg scale: 1"=50'

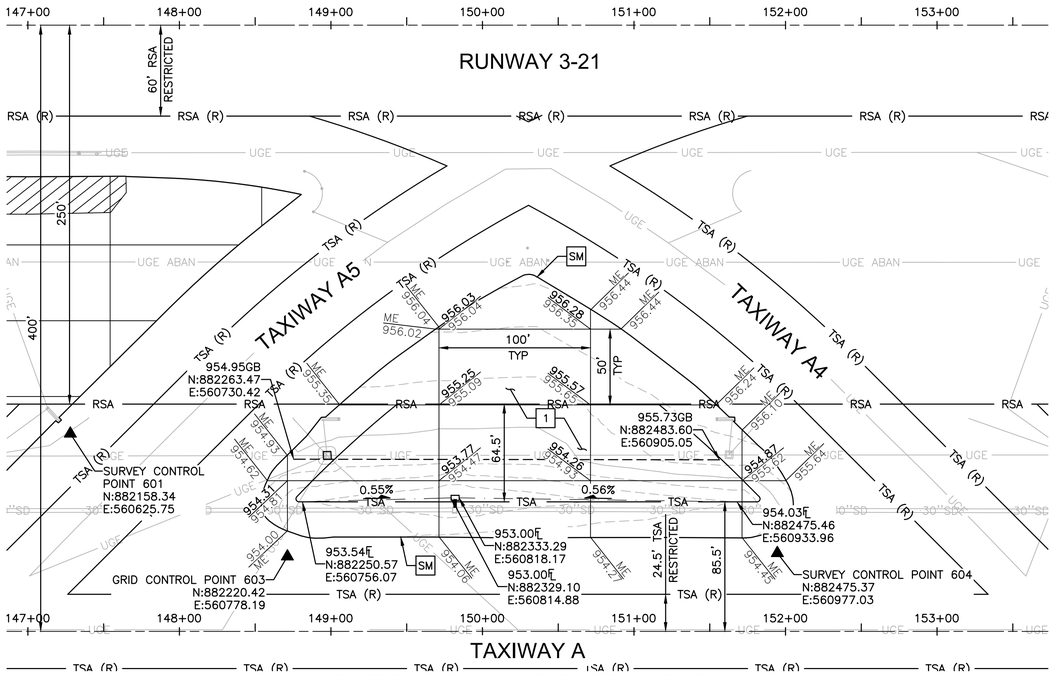
SHEET OVERVIEW TITLE

INFIELD UTILITY ADJUSTMENTS AND PAVING

SHEET REFERENCE NUMBER:
CG-106

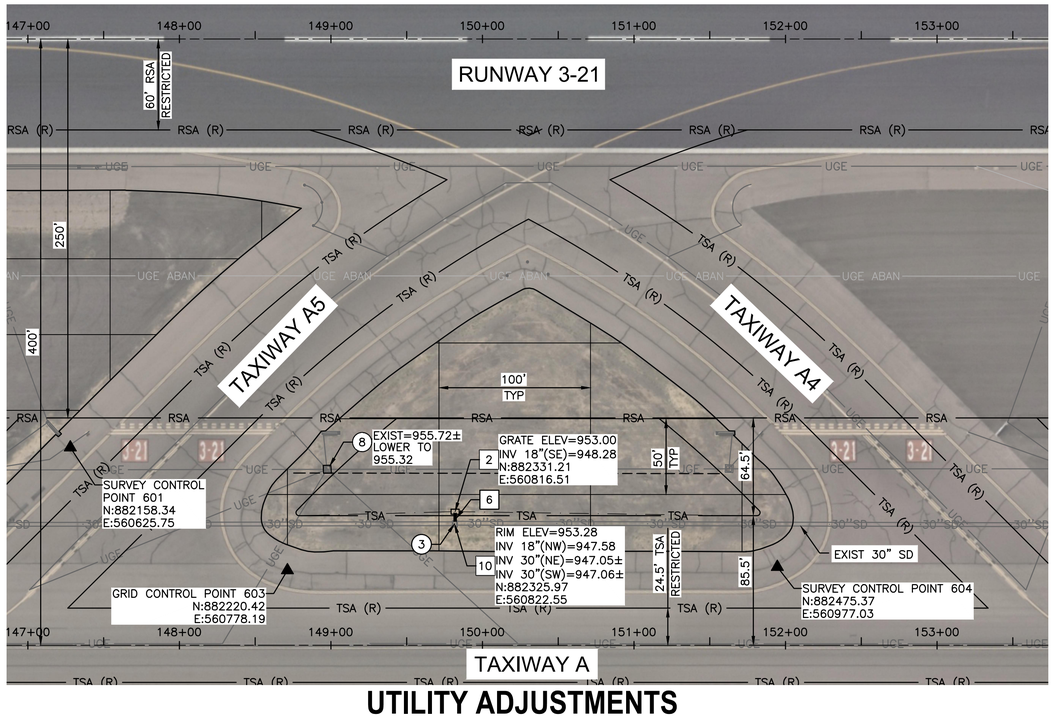
SHEET 33 OF 53

N:\2024\240303 – GYR Infield Paving Ph II\240303.01_GYR_Infield_Paving_Phase_II_Design\Dwg\Dwg_AV41000079_FAA–AIGT–CG–106.dwg – Aug 27,2025 2:09pm



INFIELD PAVING & GRADING

INFIELD AN5



UTILITY ADJUSTMENTS

ADJUSTMENT & REMOVAL NOTES

ITEM	DESCRIPTION	QTY
(3)	REMOVE EXISTING CATCH BASIN	1 EA
(8)	LOWER EXISTING UTILITY VAULT PER DETAIL E, SHEET CS–502	1 EA

CONSTRUCTION NOTES

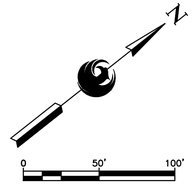
ITEM	DESCRIPTION	QTY
1	CONSTRUCT ASPHALT PAVEMENT PER STRUCTURAL SECTION NO. 1, SHEET CS–501	496 TON
2	CONSTRUCT NEW CONCRETE CATCH BASIN PER MAG STD DTL 537 (DOUBLE), PROVIDED FOR REFERENCE ON SHEET CS–504	1 EA
6	INSTALL NEW 18" RGRCP, CLASS V	6 LF
10	CONSTRUCT NEW AIRCRAFT RATED STORM DRAIN MANHOLE (SHALLOW) PER MAG STD DTL 522. MANHOLE BASE PER COP STD DTL P1520	1 EA
SM	SAWCUT ASPHALT PAVEMENT (FULL DEPTH)	851 LF

REFERENCE NOTES

(1) SEE ELECTRICAL PLANS FOR SIGN BASE NOTES

GENERAL NOTES

1. RUNWAY AND TAXIWAY STATIONING SHOWN FOR REFERENCE ONLY.
2. AERIAL PHOTOGRAPH SHOWN IS INTENDED TO PROVIDE CLARITY FOR VAULT LOCATING AND IS INTENDED TO BE USED FOR REFERENCE ONLY.
3. EXISTING INFIELD UTILITIES AND STRUCTURES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.



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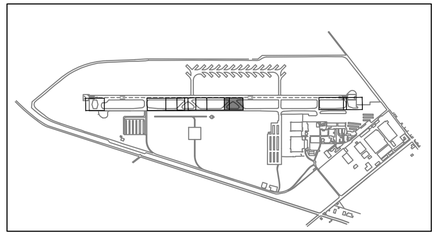

KEY MAP

NTS

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

SUB CONSULTANT

Professional Engineer (Civil) — Expires 09/30/2026 — 64157 — GREG R SHAW — Registered — ARIZONA, U.S.A.

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BY
CITY OF PHOENIX AVIATION DEPARTMENT

GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 08/29/2025
Dwg scale: 1":50'

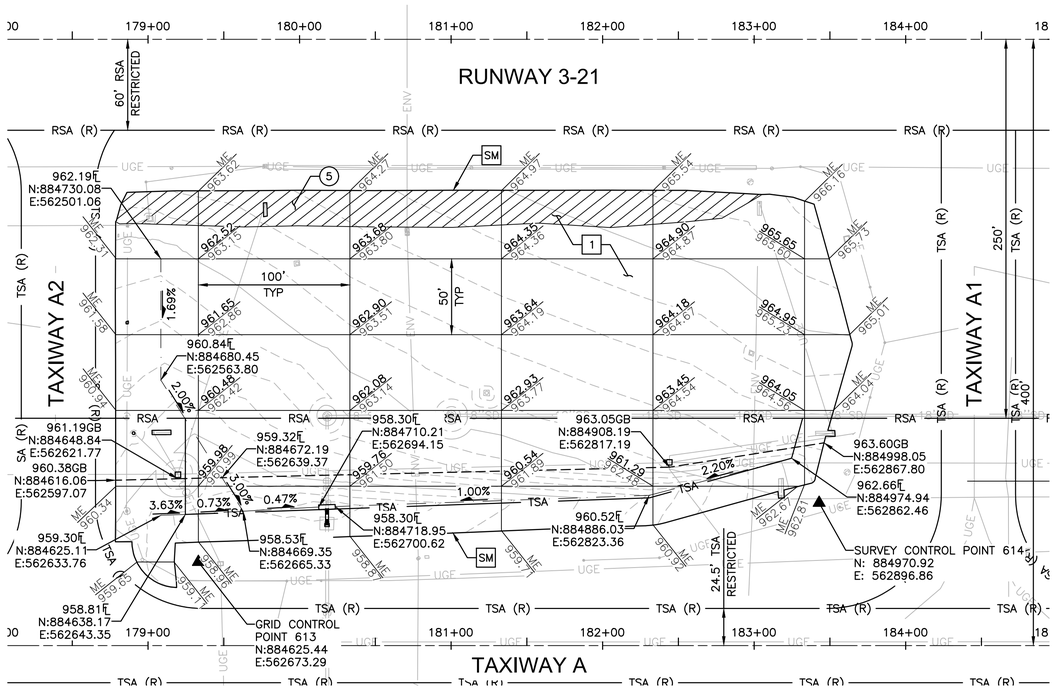
SHEET OVERVIEW TITLE

INFIELD UTILITY ADJUSTMENTS AND PAVING

SHEET REFERENCE NUMBER:
CG-107

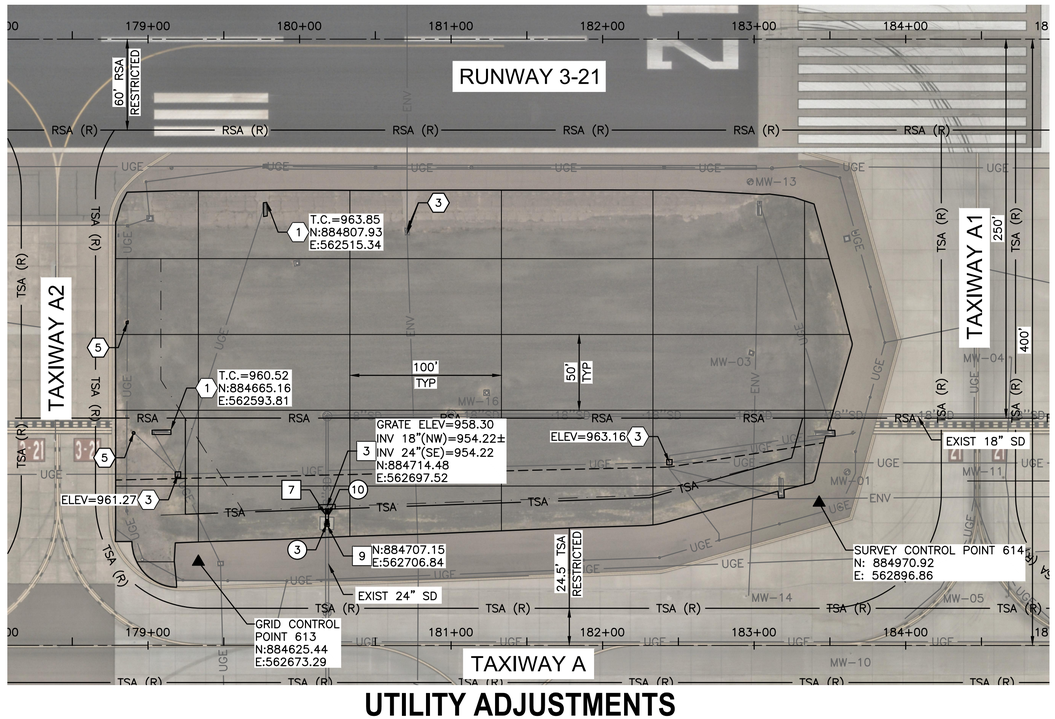
SHEET 34 OF 53

N:\2024\240303 – GYR Infield Paving Ph II\240303.01 GYR Infield Paving Phase II Design\Dwg\Dwg\ AV41000079 FAA-AIGT-CG-107.dwg – Aug 28,2025 5:13pm



INFIELD PAVING & GRADING

INFIELD AN2



UTILITY ADJUSTMENTS

ADJUSTMENT & REMOVAL NOTES

ITEM	DESCRIPTION	QTY
3	REMOVE EXISTING CATCH BASIN	1 EA
5	REMOVE EXISTING ASPHALT PAVEMENT	1,022 SY
10	REMOVE EXISTING 18" RGRCP	11 LF

CONSTRUCTION NOTES

ITEM	DESCRIPTION	QTY
1	CONSTRUCT ASPHALT PAVEMENT PER STRUCTURAL SECTION NO. 1, SHEET CS-501	1,319 TON
3	CONSTRUCT NEW CONCRETE CATCH BASIN PER COP STD DTL P1570 (TRIPLE) T=6", PROVIDED FOR REFERENCE ON SHEET CS-504	1 EA
7	INSTALL NEW 24" RGRCP, CLASS V	11 LF
9	CONSTRUCT NEW 24" CONCRETE PIPE COLLAR PER MAG STD DTL 505 (PAID UNDER D-701), PROVIDED FOR REFERENCE ON SHEET CS-504	1 EA
SM	SAWCUT ASPHALT PAVEMENT (FULL DEPTH)	1,410 LF

REFERENCE NOTES

(1) SEE ELECTRICAL PLANS FOR SIGN BASE NOTES

(3) SEE ELECTRICAL PLANS FOR HANDHOLE NOTES

(5) SEE ELECTRICAL PLANS FOR AIRFIELD LIGHTING NOTES

GENERAL NOTES

1. RUNWAY AND TAXIWAY STATIONING SHOWN FOR REFERENCE ONLY.
2. AERIAL PHOTOGRAPH SHOWN IS INTENDED TO PROVIDE CLARITY FOR VAULT LOCATING AND IS INTENDED TO BE USED FOR REFERENCE ONLY.
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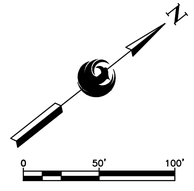

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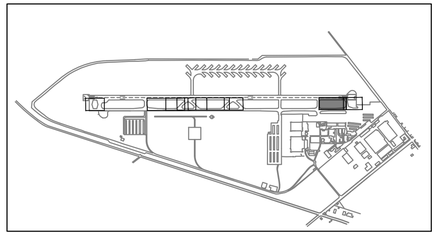

KEY MAP
NTS

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

SUB CONSULTANT

Registered Professional Engineer (Civil) — Gregory A. Shaw — 44157 — Date Signed — ARIZONA, U.S.A.

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BY
CITY OF PHOENIX AVIATION DEPARTMENT

GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 06/29/2025
Dwg scale: 1":50'

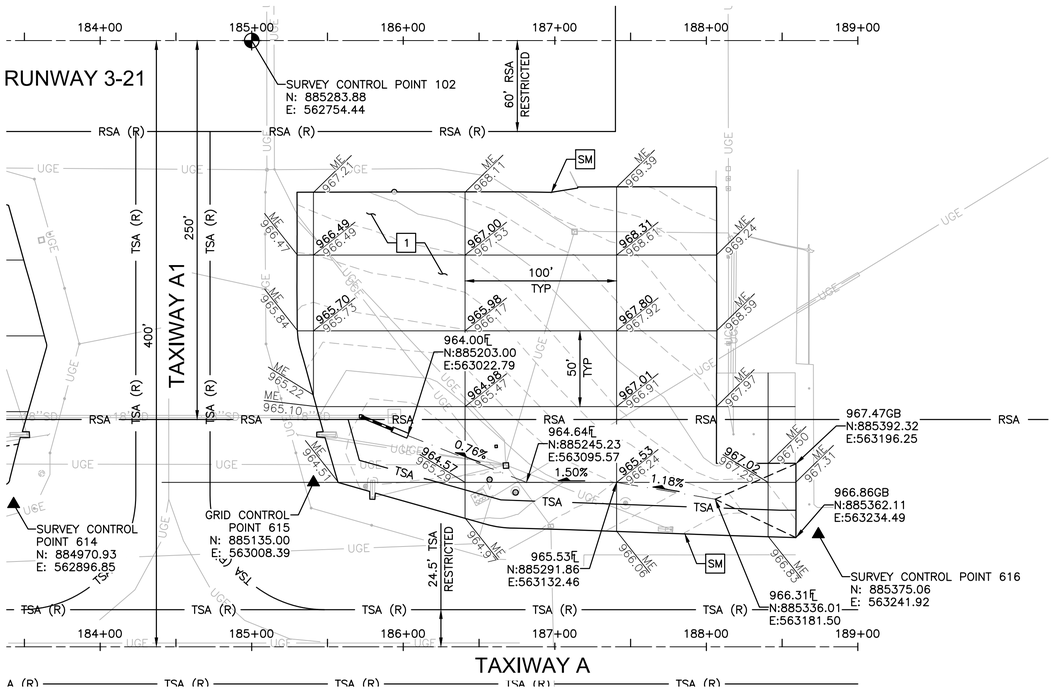
SHEET OVERVIEW TITLE

INFIELD UTILITY ADJUSTMENTS AND PAVING

SHEET REFERENCE NUMBER:
CG-108

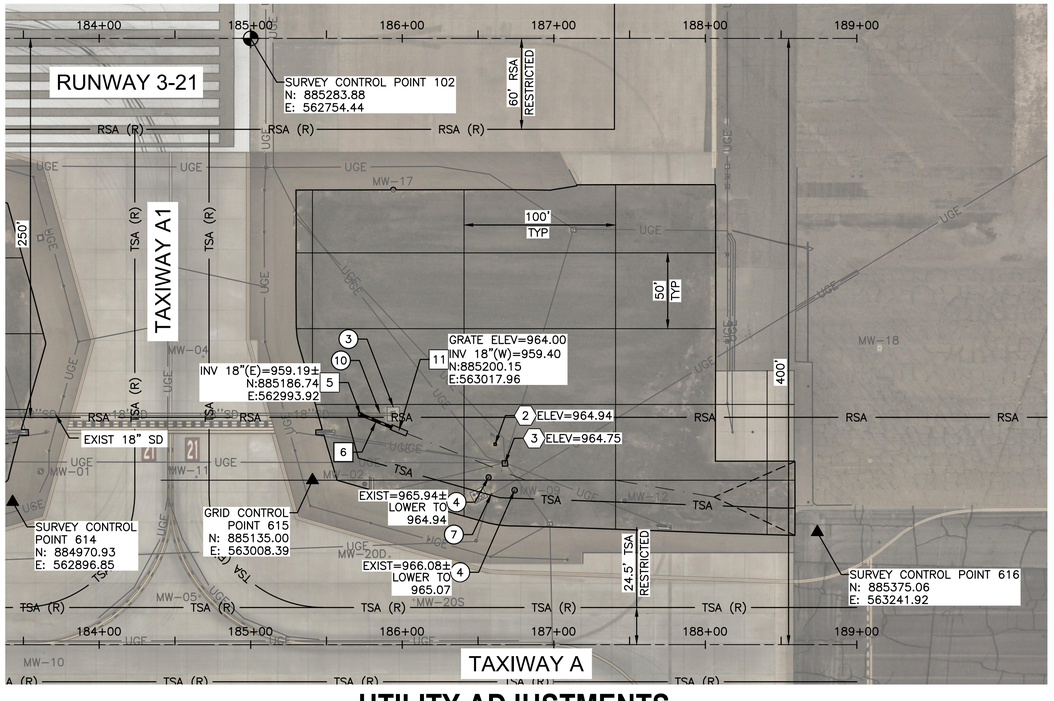
SHEET 35 OF 53

N:\2024\240303 - GYR Infield Paving Ph II\240303.01 GYR Infield Paving Phase II Design\Dwg\Dwg\ AV41000079 FAA-AIGT-GG-108.dwg - Aug 28,2025 4:23pm



INFIELD PAVING & GRADING

INFIELD AN1



UTILITY ADJUSTMENTS

ADJUSTMENT & REMOVAL NOTES

ITEM	DESCRIPTION	QTY
3	REMOVE EXISTING CATCH BASIN	1 EA
4	ADJUST EXISTING MONITORING WELL TO GRADE PER DETAIL G, SHEET CS-503	2 EA
7	REMOVE EXISTING ABANDONED WIND CONE CONCRETE FOUNDATION	1 EA
10	REMOVE EXISTING 18" RGRCP	23 LF

CONSTRUCTION NOTES

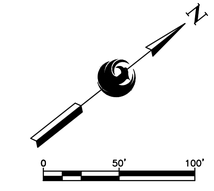
ITEM	DESCRIPTION	QTY
1	CONSTRUCT ASPHALT PAVEMENT PER STRUCTURAL SECTION NO. 1, SHEET CS-501	762 TON
5	CONSTRUCT NEW 18" CONCRETE PIPE COLLAR PER MAG STD DTL 505 (PAID UNDER D-701), PROVIDED FOR REFERENCE ON SHEET CS-504	1 EA
6	INSTALL NEW 18" RGRCP, CLASS V	23 LF
11	CONSTRUCT NEW CONCRETE CATCH BASIN PER COP STD DTL P1570 (TRIPLE) T=8", PROVIDED FOR REFERENCE ON SHEET CS-504	1 EA
SM	SAWCUT ASPHALT PAVEMENT (FULL DEPTH)	1,083 LF

REFERENCE NOTES

1. SEE ELECTRICAL PLANS FOR SIGN BASE NOTES
2. SEE ELECTRICAL PLANS FOR WIND CONE NOTES
3. SEE ELECTRICAL PLANS FOR HANDHOLE NOTES

GENERAL NOTES

1. RUNWAY AND TAXIWAY STATIONING SHOWN FOR REFERENCE ONLY.
2. AERIAL PHOTOGRAPH SHOWN IS INTENDED TO PROVIDE CLARITY FOR VAULT LOCATING AND IS INTENDED TO BE USED FOR REFERENCE ONLY.
3. EXISTING INFIELD UTILITIES AND STRUCTURES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.



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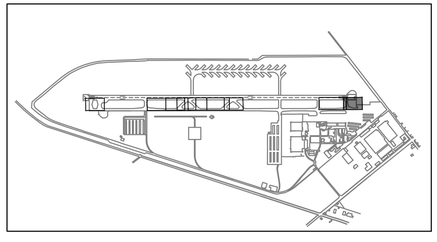

KEY MAP

NTS

"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

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

SUB CONSULTANT

Professional Engineer (Civil) — Expires 09/30/2026 — 64157 — GREG R SHAW — Registered Engineer — ARIZONA, U.S.A.

PRAX DOT BY

CITY OF PHOENIX AVIATION DEPARTMENT

GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by: G. SHAW
Drawn by: A. SANTILLI
Checked by: C. JHAVERI
Date: 06/29/2025
Dwg scale: 1":50'

SHEET OVERVIEW TITLE

INFIELD UTILITY ADJUSTMENTS AND PAVING

SHEET REFERENCE NUMBER:
CG-109

SHEET 36 OF 53

N:\2024\240303 - GYR Infield Paving Ph II\240303.01 GYR Infield Paving Phase II Design\Dwg\Dwg\ AV41000079 FAA-AIGT-03--109.dwg - Aug 27,2025 2:12pm

ELECTRICAL ABBREVIATIONS:

BCC	BARE COPPER CONDUCTOR
CE	CONCRETE ENCASED
CKT	CIRCUIT
FAA	FEDERAL AVIATION ADMINISTRATION
HH	HANDHOLE
ID	INNER DIAMETER OR IDENTIFICATION
LED	LIGHT EMITTING DIODE
LF	LINEAR FEET
PAPI	PRECISION APPROACH PATH INDICATOR
PVC	POLY–VINYL CHLORIDE
RGL	RUNWAY GUARD LIGHT
SE	SLURRY ENCASED
SGN	SIGN
TYP	TYPICAL

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.
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.

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
150/5345–47	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 LEGEND:

(UNLESS OTHERWISE NOTED ON PLANS)

UGE ——— UGE ——— PVC W/#8–5KV L–824 TYPE "C" CABLE PER INDICATED LIGHTING CIRCUIT (QUANTITY AND SIZE AS INDICATED ON PLAN SHEETS)

UGE ——— UGE ——— EXISTING ELECTRICAL CONDUIT AND CONDUCTOR

EXISTING RUNWAY LIGHT

EXISTING TAXIWAY EDGE LIGHT

EXISTING AIRFIELD GUIDANCE SIGN

EXISTING ELECTRICAL HANDHOLE

ELECTRICAL SHEET INDEX

EA–001	ELECTRICAL LEGEND AND NOTES	EA–504	WINDCONE DETAILS
EA–101 – EA–108	AIRFIELD ELECTRICAL SITE PLANS	EA–505	HANDHOLE NAME PLAQUE DETAILS
EA–501	DUCTBANK DETAILS	EA–506	EXISTING ELEVATED EDGE LIGHT AND RGL INSTALLATION DETAILS
EA–502	5KV CABLE SPLICE AND GROUNDING DETAILS	EA–507	NEW CAST–IN–PLACE CONCRETE SIGN BASE DETAILS
EA–503	CABLE RACKING AND RGL ISOLATION DETAILS	EA–508	NEW 4'X4'X4' CONCRETE HANDHOLE DETAILS

AIRFIELD LIGHT LOCKOUT/TAGOUT POLICY

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

1. GOODYEAR ELECTRICIANS RESPONDING TO A LOCK–OUT/TAG–OUT REQUEST WILL COORDINATE WITH THE ATCT THROUGH OPERATIONS.
2. AFTER OPERATIONS NOTIFIES ELECTRICIANS OF CLOSURES, THE GOODYEAR 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 OFF THE INDIVIDUAL BREAKERS FOR THE CIRCUITS TO BE LOCKED OUT. THESE ITEMS WILL REMAIN IN THE VAULTS IN A LOCK BOX PROVIDED BY GOODYEAR ELECTRICAL SECTION.
4. GOODYEAR 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 GOODYEAR 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, GOODYEAR ELECTRICIANS WILL NOTIFY OPERATIONS WHEN LOCK–IN IS COMPLETE AND REGULATORS ARE IN REMOTE CONTROL; OPERATIONS WILL NOTIFY THE ATCT THAT THEY 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 GOODYEAR AIRPORT 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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www.crengr.com

Registered Professional Engineer (Electrical) CERTIFICATE NO. 36696 CATHERINE M. ALCORN Date Signed 08/29/2025 ARIZONA U.S.A.

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT

GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 08/29/2025
Dwg scale: NTS

SHEET OVERVIEW TITLE
ELECTRICAL LEGEND AND NOTES

SHEET REFERENCE NUMBER:
EA-001

SHEET 37 OF 53

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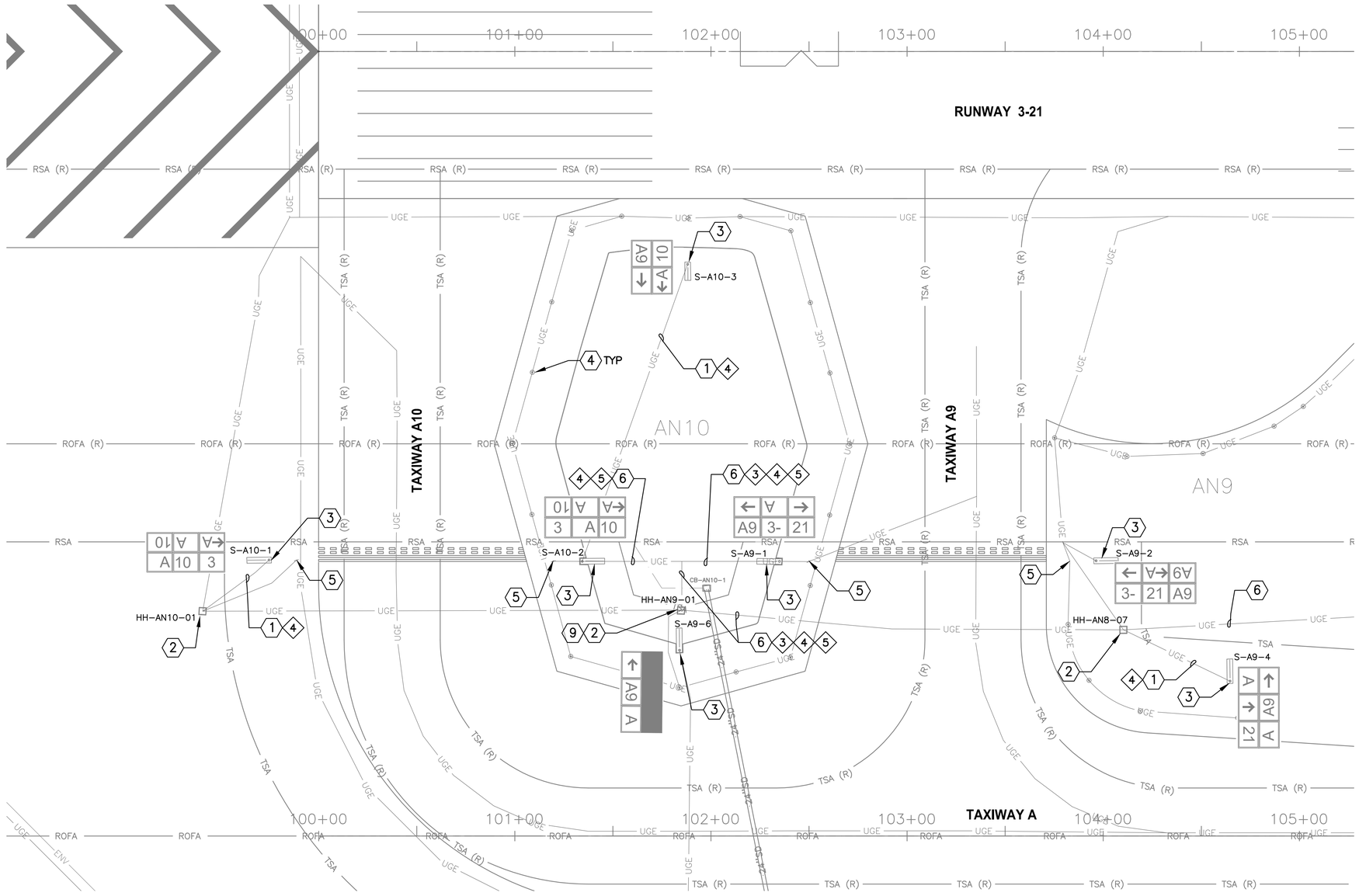
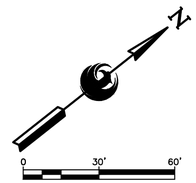


REFERENCE NOTES

ITEM	DESCRIPTION
1	EXISTING CONDUIT AND CONDUCTOR TO REMAIN – PROTECT IN PLACE
2	EXISTING HANDHOLE TO REMAIN – PROTECT IN PLACE
3	EXISTING AIRFIELD GUIDANCE SIGN TO REMAIN – PROTECT IN PLACE
4	EXISTING TAXIWAY EDGE LIGHT TO REMAIN – PROTECT IN PLACE
5	EXISTING RUNWAY GUARD LIGHT TO REMAIN – PROTECT IN PLACE
6	EXISTING DUCTBANK
9	REFER TO CIVIL PLANS FOR EXISTING HANDHOLE LID ADJUSTMENTS TO RAISE OR LOWER TO NEW GRADES

CIRCUIT IDENTIFICATION

ITEM	DESCRIPTION
1	CKT RW (RUNWAY)
3	CKT TWS (TAXIWAY A SOUTH)
4	CKT SG (SIGNS)
5	CKT RGL (RUNWAY GUARD LIGHTS)



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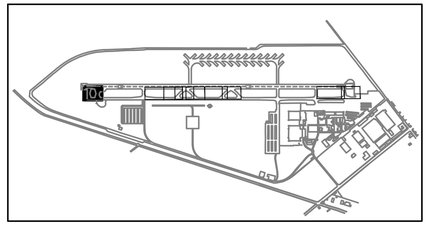

KEY MAP
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Registered Professional Engineer (Electrical)
CERTIFICATE NO.
36686
CATHERINE M. ALCORN
Expires: June 30, 2026
STATE OF ARIZONA

"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

GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT 79
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 08/29/2025
Dwg scale: 1"=30'

SHEET OVERVIEW TITLE
AIRFIELD ELECTRICAL SITE PLAN

SHEET REFERENCE NUMBER:
EA-101
SHEET 38 OF 53

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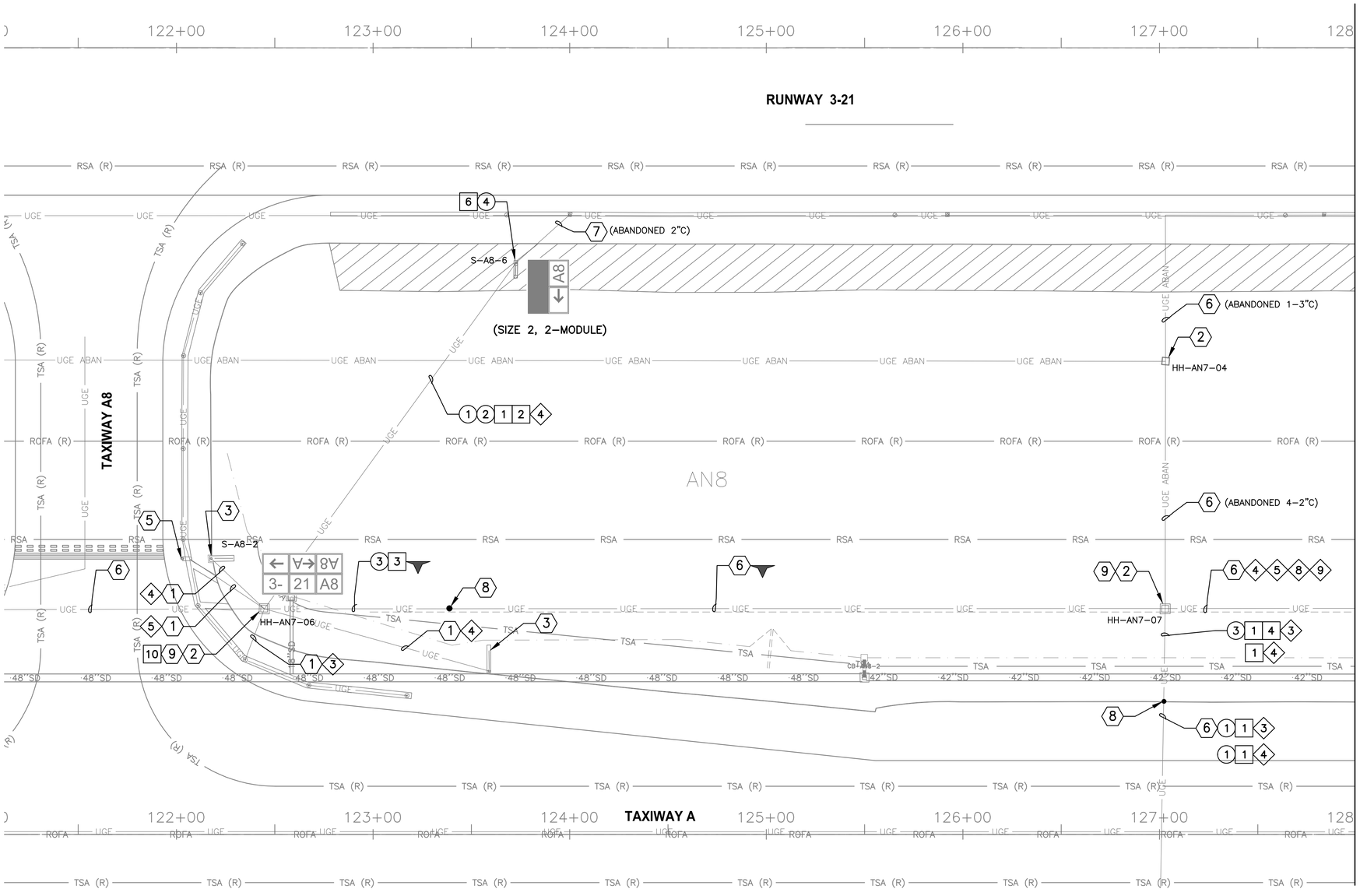

NOTE
PROVIDE TEMPORARY JUMPERS BETWEEN HANDHOLES HH-AN7-06 AND HH-AN7-07 DURING CONSTRUCTION TO LOWER DUCTBANK SEGMENT.

▼ = 1 1 3; 1 1 4; 1 1 5; 1 1 8; 1 1 9

REFERENCE NOTES CONTINUED.....

6. EXISTING DUCTBANK
7. EXISTING CONDUIT
8. SPLICE POINT OF CONDUIT/DUCTBANK AND COUNTERPOISE
9. REFER TO CIVIL PLANS FOR EXISTING HANDHOLE LID ADJUSTMENTS TO RAISE OR LOWER TO NEW GRADES

CIRCUIT IDENTIFICATION

ITEM	DESCRIPTION
3	CKT TWS (TAXIWAY A SOUTH)
4	CKT SG (SIGNS)
5	CKT RGL (RUNWAY GUARD LIGHTS)
8	CKT PPS (PAPI SOUTH 480V)
9	CKT RLS (REIL SOUTH 480V)

ADJUSTMENT & REMOVAL NOTES

ITEM	DESCRIPTION	QTY
1	REMOVE EXISTING CABLE BACK TO NEAREST HANDHOLE/SIGN BASE/RGL AND RECONNECT IN STRUCTURE TO MAINTAIN CIRCUIT.	2,890 LF
2	EXCAVATE AND REMOVE EXISTING SECTION OF CONDUIT AS REQUIRED TO MAINTAIN 18" MINIMUM DEPTH TO TOP OF CONDUIT.	220 LF
3	EXCAVATE AND REMOVE EXISTING SECTION OF DUCTBANK AS REQUIRED TO MAINTAIN 18" MINIMUM DEPTH TO TOP OF DUCTBANK.	140 LF
4	REMOVE AND SALVAGE EXISTING AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER FOR INSTALLATION. REMOVE EXISTING CONCRETE SIGN BASE	1 EA

CONSTRUCTION NOTES

ITEM	DESCRIPTION	QTY
1	NEW 2/C, #8, L-824 TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (BARE 5KV, GREEN 480V)	3,120 LF
2	NEW 1-2"C SE AND #6 COUNTERPOISE (IF REQUIRED FOR UTILITY RELOCATION)	220 LF
3	NEW 6-2"C SE AND #6 COUNTERPOISE (IF REQUIRED FOR UTILITY RELOCATION)	95 LF
4	NEW 4-2"C SE AND #6 COUNTERPOISE (IF REQUIRED FOR UTILITY RELOCATION)	50 LF
6	INSTALL EXISTING SIGN AND ISOLATION TRANSFORMER ON NEW CONCRETE SIGN BASE (TO NEW GRADE).	1 EA
10	RECONFIGURE RUNWAY GUARD LIGHT ISOLATION BOXES AND CONDUITS WITHIN STRUCTURE IF ELEVATION ADJUSTMENT TO LOWER LID IS REQUIRED	1 EA

REFERENCE NOTES

ITEM	DESCRIPTION
1	EXISTING CONDUIT AND CONDUCTOR TO REMAIN – PROTECT IN PLACE
2	EXISTING HANDHOLE TO REMAIN – PROTECT IN PLACE
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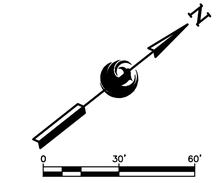

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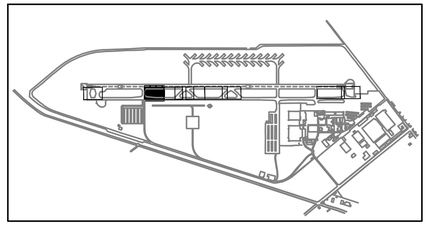

KEY MAP
NTS

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Certified Professional Engineer (Electrical) – Registered Professional Engineer – CATHERINE M. ALCORN – 36086 – Expires 09-30-2025 – STATE OF ARIZONA

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT

GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 08/29/2025
Dwg scale: 1"=30'

SHEET OVERVIEW TITLE

AIRFIELD ELECTRICAL SITE PLAN

SHEET REFERENCE NUMBER:
EA-102

SHEET 39 OF 53

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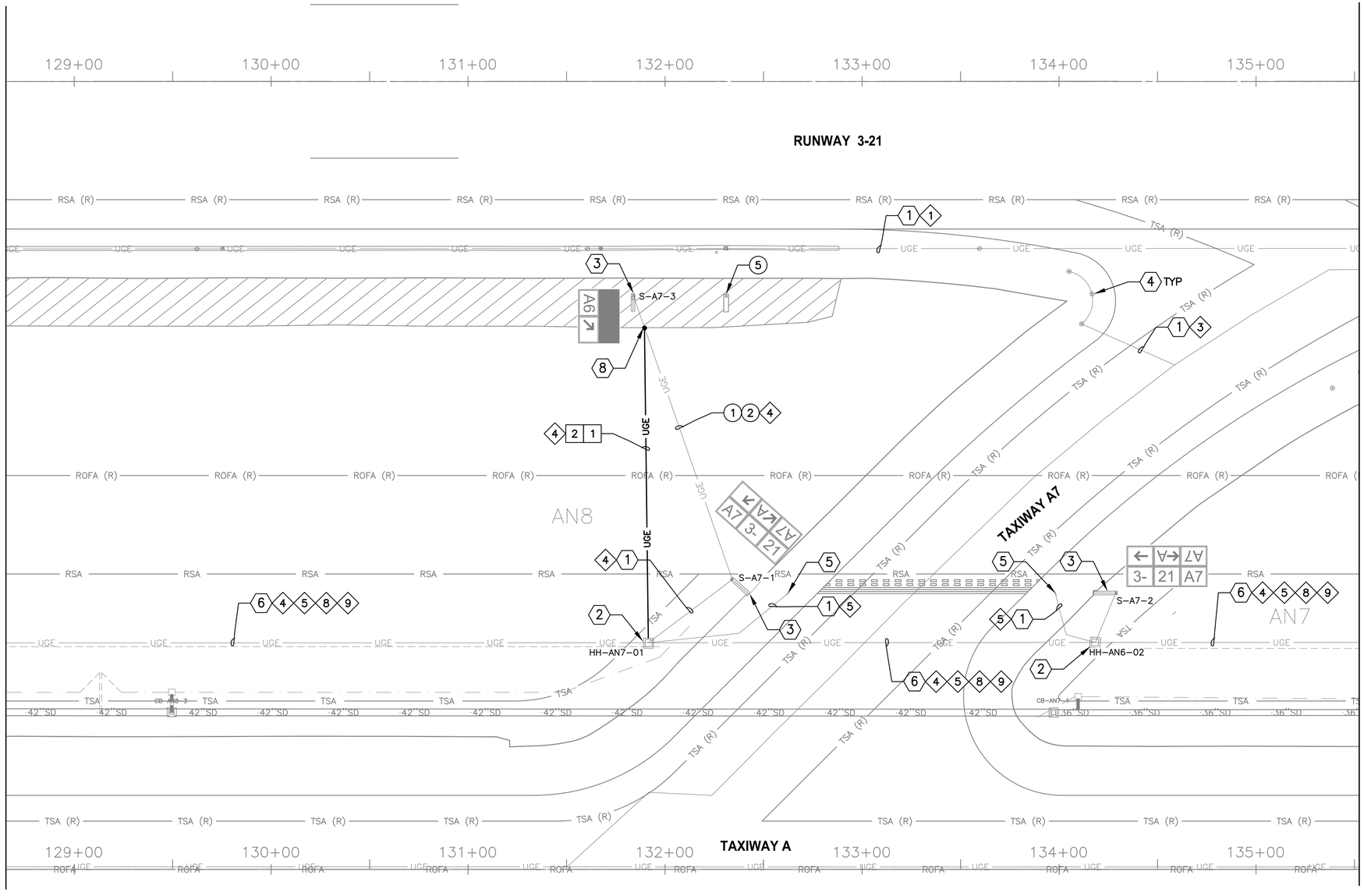

CIRCUIT IDENTIFICATION

ITEM	DESCRIPTION
1	CKT RW (RUNWAY)
3	CKT TWS (TAXIWAY A SOUTH)
4	CKT SG (SIGNS)
5	CKT RGL (RUNWAY GUARD LIGHTS)
8	CKT PPS (PAPI SOUTH 480V)
9	CKT RLS (REIL SOUTH 480V)

ADJUSTMENT & REMOVAL NOTES

ITEM	DESCRIPTION	QTY
1	REMOVE EXISTING CABLE BACK TO NEAREST HANDHOLE/SIGN BASE/RGL AND RECONNECT IN STRUCTURE TO MAINTAIN CIRCUIT.	155 LF
2	EXCAVATE AND REMOVE EXISTING SECTION OF CONDUIT AS REQUIRED TO MAINTAIN 18" MINIMUM DEPTH TO TOP OF CONDUIT.	155 LF
5	REMOVE EXISTING ABANDONED CONCRETE SIGN BASE/CONCRETE FOUNDATION.	1 EA

CONSTRUCTION NOTES

ITEM	DESCRIPTION	QTY
1	NEW 2/C, #8, L-824 TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (BARE 5KV, GREEN 480V)	195 LF
2	NEW 1-2"C SE AND #6 COUNTERPOISE (IF REQUIRED FOR UTILITY RELOCATION)	160 LF

REFERENCE NOTES

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3	EXISTING AIRFIELD GUIDANCE SIGN TO REMAIN – PROTECT IN PLACE
4	EXISTING TAXIWAY EDGE LIGHT TO REMAIN – PROTECT IN PLACE
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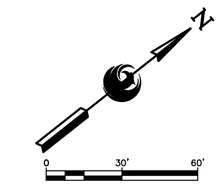
6	EXISTING DUCTBANK
8	SPLICE POINT OF CONDUIT/DUCTBANK AND COUNTERPOISE



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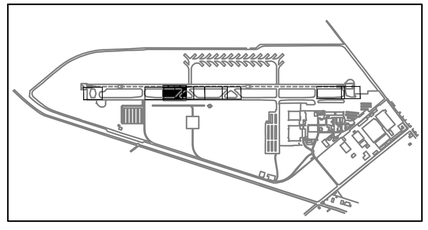

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Dwg scale: 1"=30'

SHEET OVERVIEW TITLE
AIRFIELD ELECTRICAL SITE PLAN

SHEET REFERENCE NUMBER:
EA-103
SHEET 40 OF 53

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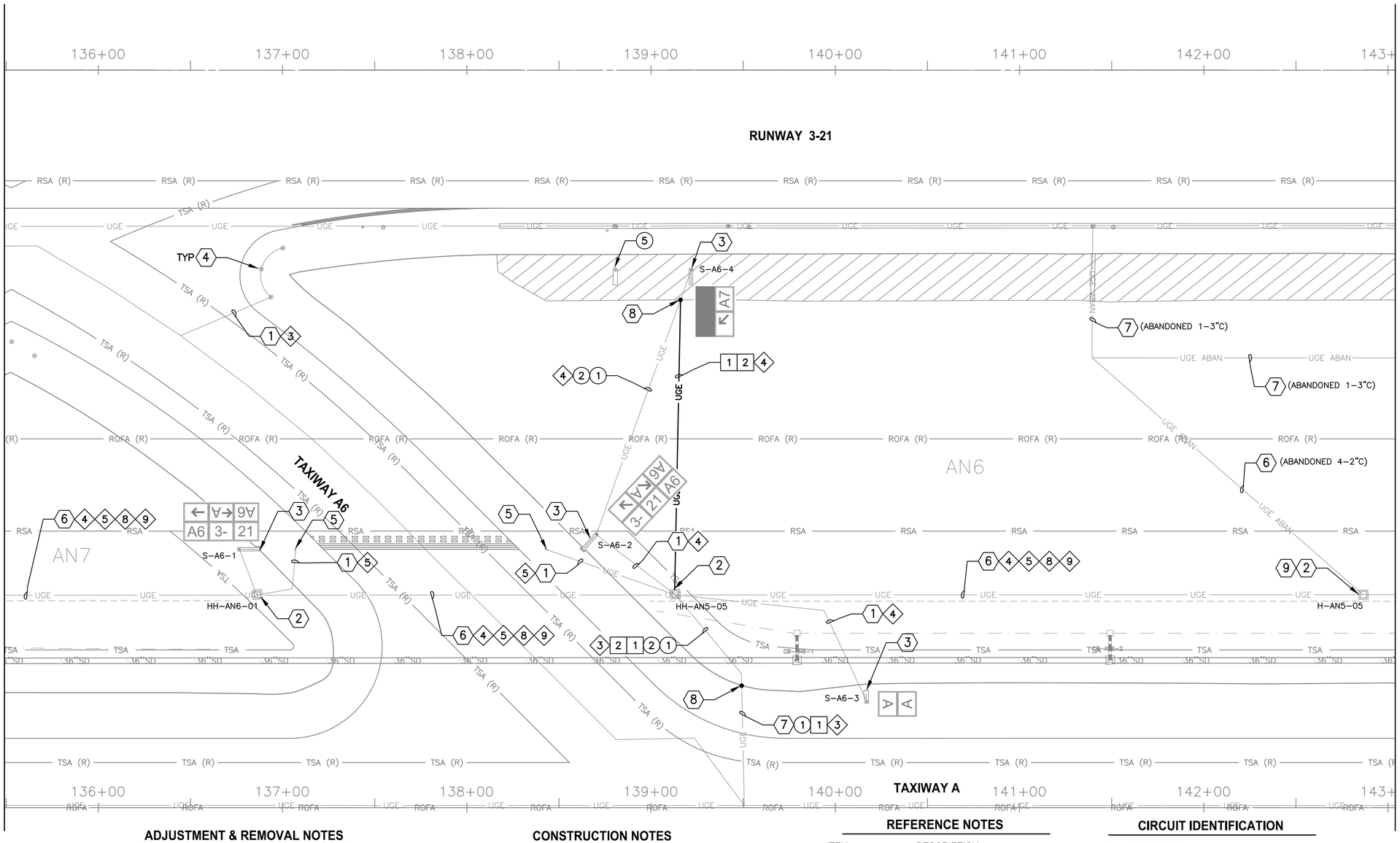

ADJUSTMENT & REMOVAL NOTES

ITEM	DESCRIPTION	QTY
(1)	REMOVE EXISTING CABLE BACK TO NEAREST HANDHOLE/SIGN BASE/RGL AND RECONNECT IN STRUCTURE TO MAINTAIN CIRCUIT.	280 LF
(2)	EXCAVATE AND REMOVE EXISTING SECTION OF CONDUIT AS REQUIRED TO MAINTAIN 18" MINIMUM DEPTH TO TOP OF CONDUIT.	195 LF
(5)	REMOVE EXISTING ABANDONED CONCRETE SIGN BASE/CONCRETE FOUNDATION.	1 EA

CONSTRUCTION NOTES

ITEM	DESCRIPTION	QTY
[1]	NEW 2/C, #8, L-824 TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (BARE 5KV, GREEN 480V)	340 LF
[2]	NEW 1-2"C SE AND #6 COUNTERPOISE (IF REQUIRED FOR UTILITY RELOCATION)	225 LF

NOTE

PROVIDE TEMPORARY JUMPERS FOR TAXIWAY CENTERLINE LIGHTS FROM HH-AN5-05 DURING CONSTRUCTION TO LOWER DUCTBANK/CONDUIT SEGMENT.

REFERENCE NOTES

ITEM	DESCRIPTION
(1)	EXISTING CONDUIT AND CONDUCTOR TO REMAIN – PROTECT IN PLACE
(2)	EXISTING HANDHOLE TO REMAIN – PROTECT IN PLACE
(3)	EXISTING AIRFIELD GUIDANCE SIGN TO REMAIN – PROTECT IN PLACE
(4)	EXISTING TAXIWAY EDGE LIGHT TO REMAIN – PROTECT IN PLACE
(5)	EXISTING RUNWAY GUARD LIGHT TO REMAIN – PROTECT IN PLACE
(6)	EXISTING DUCTBANK
(7)	EXISTING CONDUIT
(8)	SPLICE POINT OF CONDUIT/DUCTBANK AND COUNTERPOISE
(9)	REFER TO CIVIL PLANS FOR EXISTING HANDHOLE LID ADJUSTMENTS TO RAISE OR LOWER TO NEW GRADES

CIRCUIT IDENTIFICATION

ITEM	DESCRIPTION
3	CKT TWS (TAXIWAY A SOUTH)
4	CKT SG (SIGNS)
5	CKT RGL (RUNWAY GUARD LIGHTS)
8	CKT PPS (PAPI SOUTH 480V)
9	CKT RLS (REIL SOUTH 480V)

N

0 30' 60'

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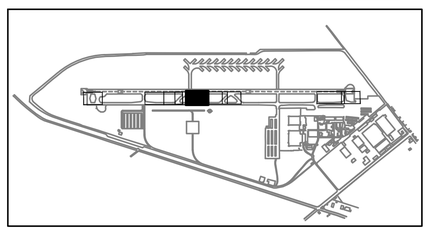

KEY MAP

NTS

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

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

Registered Professional Engineer (Electrical) CERTIFICATE NO. 36686 CATHERINE M. ALCORN Date Signed 08-29-25 Not Valid Unless Signed

"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

GOODYEAR AIRPORT
INFIELD PAVING
PHASE II

AV 41000079 ADOT
ADOT GRANT NO.: E3S21 01C & E4SSM 01C

Designed by:	SW
Drawn by:	JBW
Checked by:	CA
Date:	08/29/2025
Dwg scale:	1"=30'

SHEET OVERVIEW TITLE

AIRFIELD ELECTRICAL SITE PLAN

SHEET REFERENCE NUMBER:
EA-104

SHEET 41 OF 53

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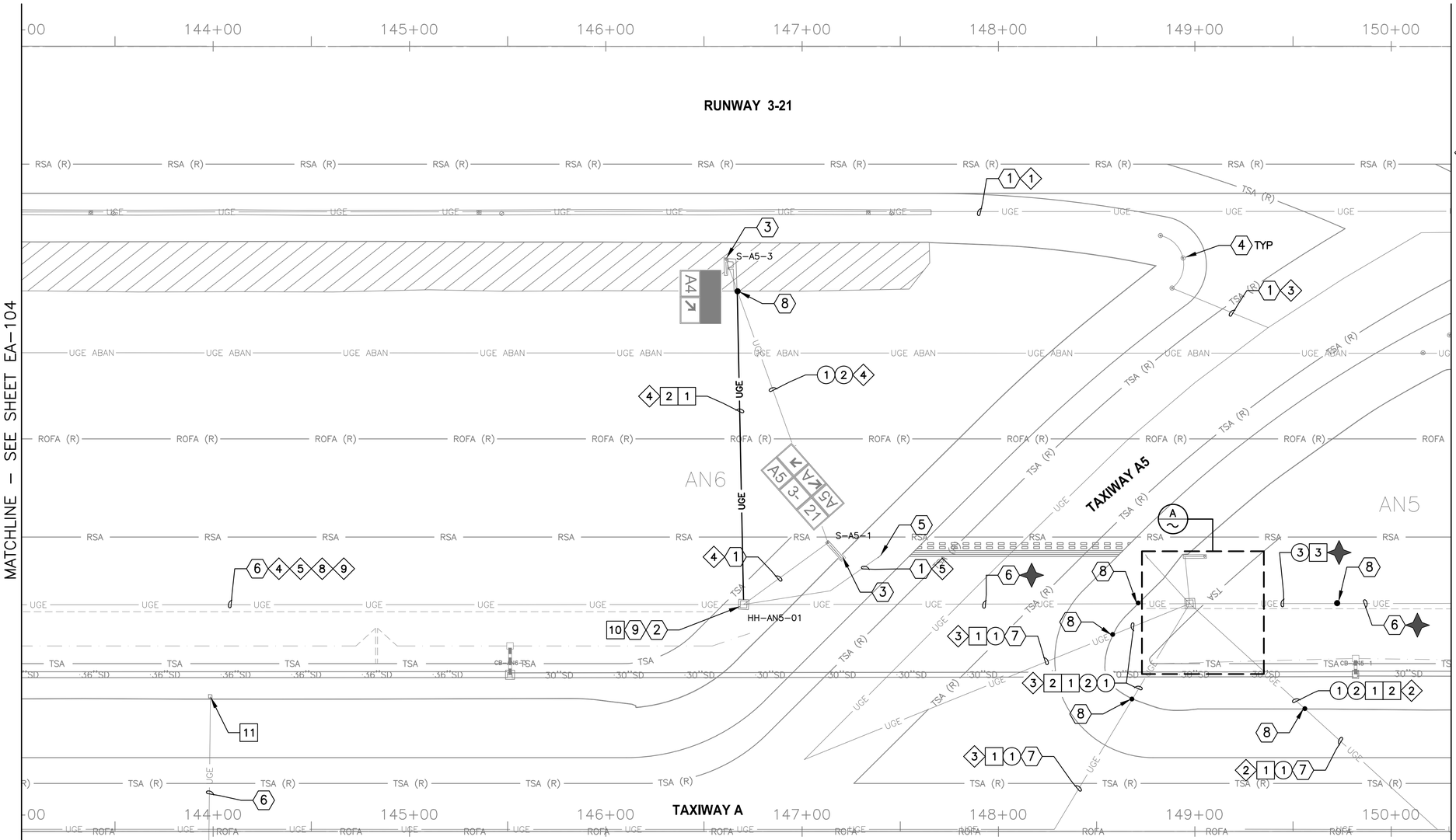
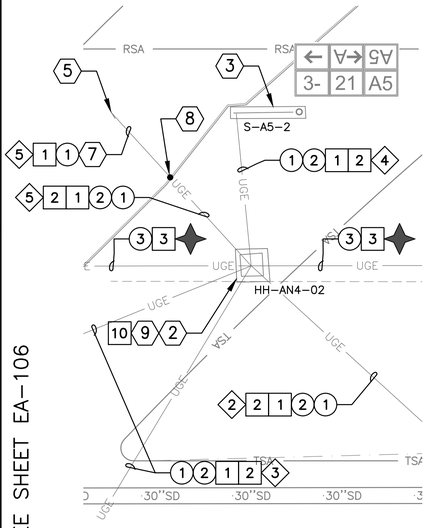


MATCHLINE – SEE SHEET EA-104

MATCHLINE – SEE SHEET EA-106



ENLARGED AIRFIELD ELECTRICAL SITE PLAN
NTS

= 1 1 2 / 1 1 3 / 1 1 4 / 1 1 5 / 1 1 8 / 1 1 9

ADJUSTMENT & REMOVAL NOTES

ITEM	DESCRIPTION	QTY
1	REMOVE EXISTING CABLE BACK TO NEAREST HANDHOLE/SIGN BASE/RGL AND RECONNECT IN STRUCTURE TO MAINTAIN CIRCUIT.	2,895 LF
2	EXCAVATE AND REMOVE EXISTING SECTION OF CONDUIT AS REQUIRED TO MAINTAIN 18" MINIMUM DEPTH TO TOP OF CONDUIT.	375 LF
3	EXCAVATE AND REMOVE EXISTING SECTION OF DUCTBANK AS REQUIRED TO MAINTAIN 18" MINIMUM DEPTH TO TOP OF DUCTBANK.	100 LF

NOTE

PROVIDE TEMPORARY JUMPERS FOR TAXIWAY CENTERLINE LIGHTS FROM HH–AN4–02 DURING CONSTRUCTION TO LOWER DUCTBANK/CONDUIT SEGMENT.

CONSTRUCTION NOTES

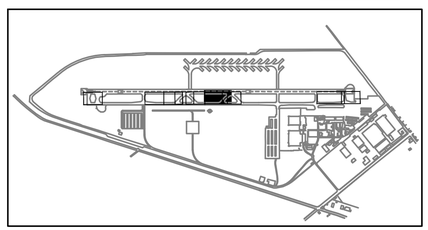
ITEM	DESCRIPTION	QTY
1	NEW 2/C, #8, L–824 TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (BARE 5KV, GREEN 480V)	3,505 LF
2	NEW 1–2"C SE AND #6 COUNTERPOISE (IF REQUIRED FOR UTILITY RELOCATION)	535 LF
3	NEW 6–2"C SE AND #6 COUNTERPOISE (IF REQUIRED FOR UTILITY RELOCATION)	100 LF
10	RECONFIGURE RUNWAY GUARD LIGHT ISOLATION BOXES AND CONDUITS WITHIN STRUCTURE IF ELEVATION ADJUSTMENT TO LOWER LID IS REQUIRED	2 EA
11	ADJUST EXISTING DUCTMARKER TO NEW GRADE	1 EA

REFERENCE NOTES

ITEM	DESCRIPTION
1	EXISTING CONDUIT AND CONDUCTOR TO REMAIN – PROTECT IN PLACE
2	EXISTING HANDHOLE TO REMAIN – PROTECT IN PLACE
3	EXISTING AIRFIELD GUIDANCE SIGN TO REMAIN – PROTECT IN PLACE
4	EXISTING TAXIWAY EDGE LIGHT TO REMAIN – PROTECT IN PLACE
5	EXISTING RUNWAY GUARD LIGHT TO REMAIN – PROTECT IN PLACE
6	EXISTING DUCTBANK
7	EXISTING CONDUIT
8	SPLICE POINT OF CONDUIT/DUCTBANK AND COUNTERPOISE
9	REFER TO CIVIL PLANS FOR EXISTING HANDHOLE LID ADJUSTMENTS TO RAISE OR LOWER TO NEW GRADES

CIRCUIT IDENTIFICATION

ITEM	DESCRIPTION
1	CKT RW (RUNWAY)
2	CKT TWN (TAXIWAY A NORTH)
3	CKT TWS (TAXIWAY A SOUTH)
4	CKT SG (SIGNS)
5	CKT RGL (RUNWAY GUARD LIGHTS)
8	CKT PPS (PAPI SOUTH 480V)
9	CKT RLS (REIL SOUTH 480V)



KEY MAP
NTS

N

0 30' 60'

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NO	REVISIONS / SUBMISSIONS	DATE

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SUB CONSULTANT
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Fax: (480) 816-5540
www.crengr.com

Registered Professional Engineer (Electrical) CERTIFICATE NO. 36696 CATHERINE M. ALCORN Date Signed 08-29-25 Not Valid Unless Signed

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT

GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT 79 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by:	SW
Drawn by:	JBW
Checked by:	CA
Date:	08/29/2025
Dwg scale:	1"=30'

SHEET OVERVIEW TITLE
AIRFIELD ELECTRICAL SITE PLAN

SHEET REFERENCE NUMBER:
EA-105
SHEET 42 OF 53

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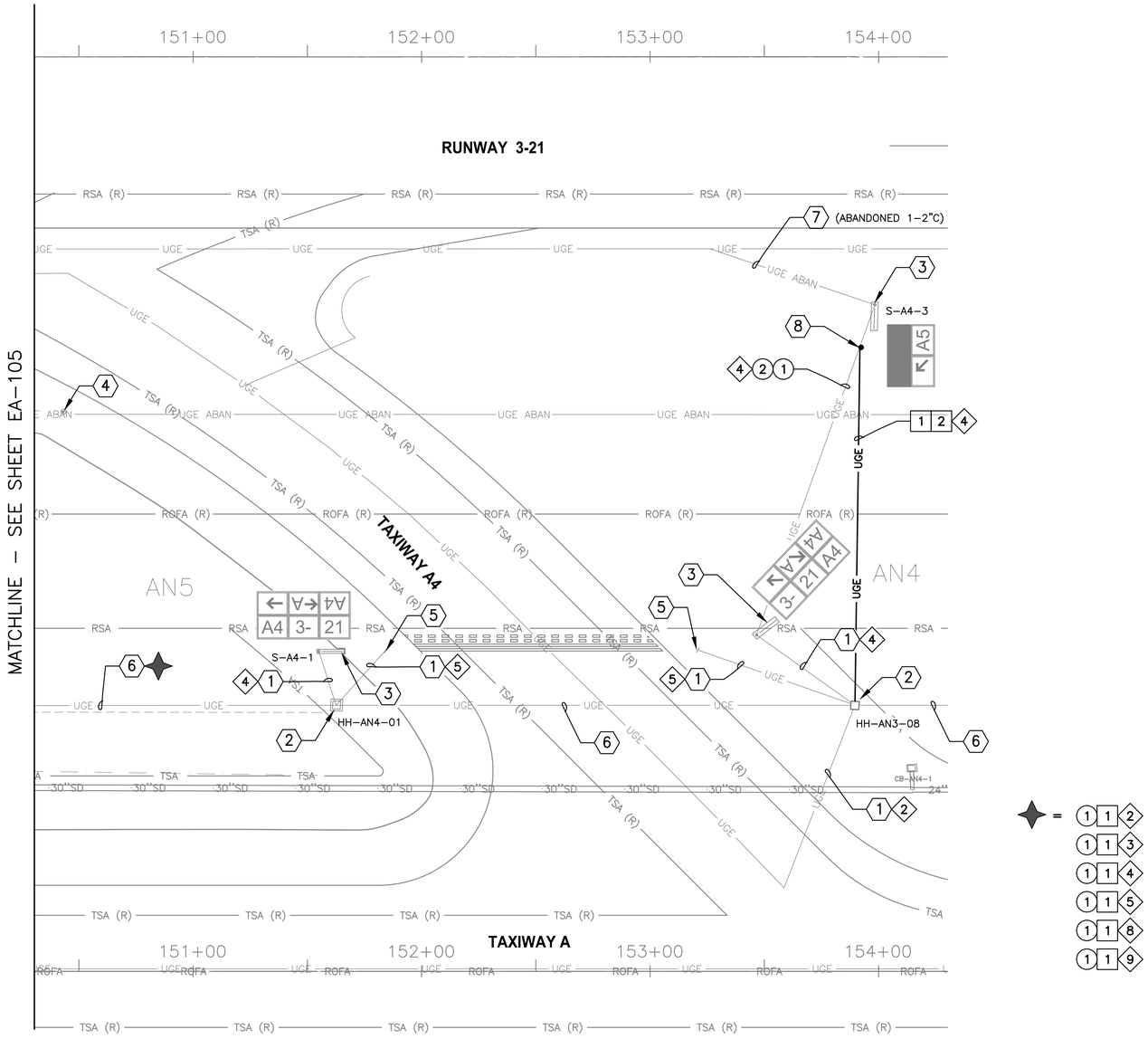

ADJUSTMENT & REMOVAL NOTES

ITEM	DESCRIPTION	QTY
1	REMOVE EXISTING CABLE BACK TO NEAREST HANDHOLE/SIGN BASE/RGL AND RECONNECT IN STRUCTURE TO MAINTAIN CIRCUIT.	965 LF
2	EXCAVATE AND REMOVE EXISTING SECTION OF CONDUIT AS REQUIRED TO MAINTAIN 18" MINIMUM DEPTH TO TOP OF CONDUIT.	155 LF

CONSTRUCTION NOTES

ITEM	DESCRIPTION	QTY
1	NEW 2/C, #8, L-824 TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (BARE 5KV, GREEN 480V)	1,095 LF
2	NEW 1-2"C SE AND #6 COUNTERPOISE (IF REQUIRED FOR UTILITY RELOCATION)	175 LF

REFERENCE NOTES

ITEM	DESCRIPTION
1	EXISTING CONDUIT AND CONDUCTOR TO REMAIN – PROTECT IN PLACE
2	EXISTING HANDHOLE TO REMAIN – PROTECT IN PLACE
3	EXISTING AIRFIELD GUIDANCE SIGN TO REMAIN – PROTECT IN PLACE
4	EXISTING TAXIWAY EDGE LIGHT TO REMAIN – PROTECT IN PLACE
5	EXISTING RUNWAY GUARD LIGHT TO REMAIN – PROTECT IN PLACE
6	EXISTING DUCTBANK
7	EXISTING CONDUIT
8	SPLICE POINT OF CONDUIT/DUCTBANK AND COUNTERPOISE

CIRCUIT IDENTIFICATION

ITEM	DESCRIPTION
1	CKT RW (RUNWAY)
2	CKT TWN (TAXIWAY A NORTH)
3	CKT TWS (TAXIWAY A SOUTH)
4	CKT SG (SIGNS)
5	CKT RGL (RUNWAY GUARD LIGHTS)
8	CKT PPS (PAPI SOUTH 480V)
9	CKT RLS (REIL SOUTH 480V)

N

0 30' 60'

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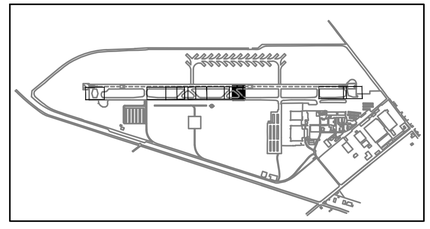

KEY MAP

NTS

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Registered Professional Engineer (Electrical)
CERTIFICATE NO. 36086
CATHERINE M. ALCORN
Expiration Date: 09-30-2026
STATE OF ARIZONA

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 08/29/2025
Dwg scale: 1"=30'

SHEET OVERVIEW TITLE
AIRFIELD ELECTRICAL SITE PLAN

SHEET REFERENCE NUMBER:
EA-106

SHEET 43 OF 53

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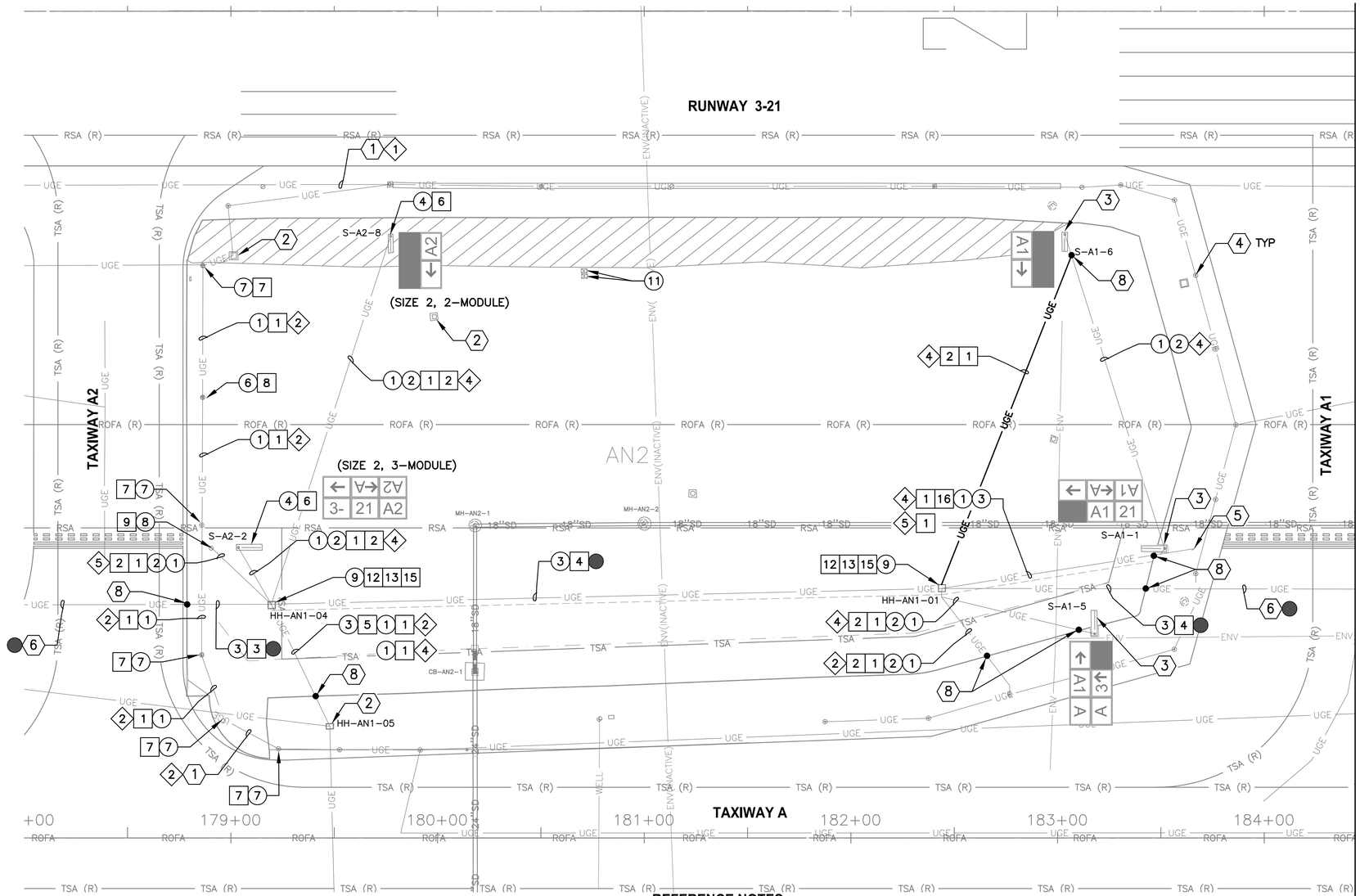


CONSTRUCTION NOTES CONTINUED.....

ITEM	DESCRIPTION	QTY
8	REINSTALL SALVAGED TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER ON NEW BASE CAN	1 EA
9	REINSTALL SALVAGED RUNWAY GUARD LIGHT AND ISOLATION TRANSFORMER ON NEW BASE CAN	1 EA
12	INSTALL NEW HANDHOLE LID ID PLAQUE ON NEW OR EXISTING HANDHOLE	2 EA
13	NEW 4'x4'x4' AIRCRAFT-RATED HANDHOLE AND HATCH WITH CYLINDER-ASSISTED OPENING	2 EA
15	INSTALL NEW RUNWAY GUARD LIGHT ISOLATION BOXES AND CONDUIT IN NEW HANDHOLE	2 EA
16	NEW 2-2"C SE AND #6 COUNTERPOISE (IF REQUIRED FOR UTILITY RELOCATION)	125 LF

REFERENCE NOTES

ITEM	DESCRIPTION
1	EXISTING CONDUIT AND CONDUCTOR TO REMAIN - PROTECT IN PLACE
2	EXISTING HANDHOLE TO REMAIN - PROTECT IN PLACE
3	EXISTING AIRFIELD GUIDANCE SIGN TO REMAIN - PROTECT IN PLACE
4	EXISTING TAXIWAY EDGE LIGHT TO REMAIN - PROTECT IN PLACE
5	EXISTING RUNWAY GUARD LIGHT TO REMAIN - PROTECT IN PLACE
6	EXISTING DUCTBANK
7	EXISTING CONDUIT
8	SPLICE POINT OF CONDUIT/DUCTBANK AND COUNTERPOISE

CIRCUIT IDENTIFICATION

ITEM	DESCRIPTION
1	CKT RW (RUNWAY)
2	CKT TWN (TAXIWAY A NORTH)
4	CKT SG (SIGNS)
5	CKT RGL (RUNWAY GUARD LIGHTS)
7	CKT RLN (REIL NORTH 480V)

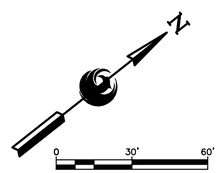
● = 1 1 2 / 1 1 4 / 1 1 5 / 1 1 7

ADJUSTMENT & REMOVAL NOTES

ITEM	DESCRIPTION	QTY
1	REMOVE EXISTING CABLE BACK TO NEAREST HANDHOLE/SIGN BASE/RGL AND RECONNECT IN STRUCTURE TO MAINTAIN CIRCUIT.	3,950 LF
2	EXCAVATE AND REMOVE EXISTING SECTION OF CONDUIT AS REQUIRED TO MAINTAIN 18" MINIMUM DEPTH TO TOP OF CONDUIT.	535 LF
3	EXCAVATE AND REMOVE EXISTING SECTION OF DUCTBANK AS REQUIRED TO MAINTAIN 18" MINIMUM DEPTH TO TOP OF DUCTBANK.	640 LF
4	REMOVE AND SALVAGE EXISTING AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER FOR INSTALLATION. REMOVE EXISTING CONCRETE SIGN BASE	2 EA
6	REMOVE AND SALVAGE EXISTING TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER - REMOVE EXISTING BASE CAN.	1 EA
7	REMOVE AND SALVAGE EXISTING TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER - INSTALL PLYWOOD OR MUD COVER ON EXISTING BASE.	5 EA
8	REMOVE AND SALVAGE EXISTING RUNWAY GUARD LIGHT AND ISOLATION TRANSFORMER - REMOVE EXISTING BASE.	1 EA
9	EXCAVATE AND REMOVE EXISTING CONCRETE HANDHOLE.	2 EA
11	ADJUST EXISTING ELECTRICAL JUNCTION BOX TO GRADE	2 EA

CONSTRUCTION NOTES

ITEM	DESCRIPTION	QTY
1	NEW 2/C, #8, L-824 TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (BARE 5KV, GREEN 480V)	4,595 LF
2	NEW 1-2"C SE AND #6 COUNTERPOISE (IF REQUIRED FOR UTILITY RELOCATION)	705 LF
3	NEW 6-2"C SE AND #6 COUNTERPOISE (IF REQUIRED FOR UTILITY RELOCATION)	40 LF
4	NEW 4-2"C SE AND #6 COUNTERPOISE (IF REQUIRED FOR UTILITY RELOCATION)	425 LF
5	NEW 2-4"C SE AND #6 COUNTERPOISE (IF REQUIRED FOR UTILITY RELOCATION)	50 LF
6	INSTALL EXISTING SIGN AND ISOLATION TRANSFORMER ON NEW CONCRETE SIGN BASE.	2 EA
7	REINSTALL SALVAGED TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER ON EXISTING BASE CAN	5 EA



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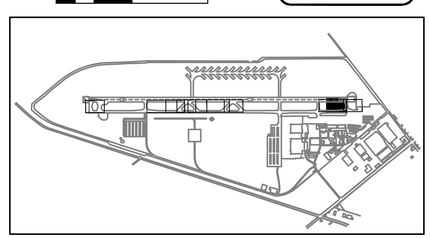

KEY MAP
NTS

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

NO	REVISIONS / SUBMISSIONS	DATE

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

Registered Professional Engineer (Electrical) CERTIFICATE NO. 36686 CATHERINE M. ALCORN Date Signed 08/29/25 Expires 09/30/26

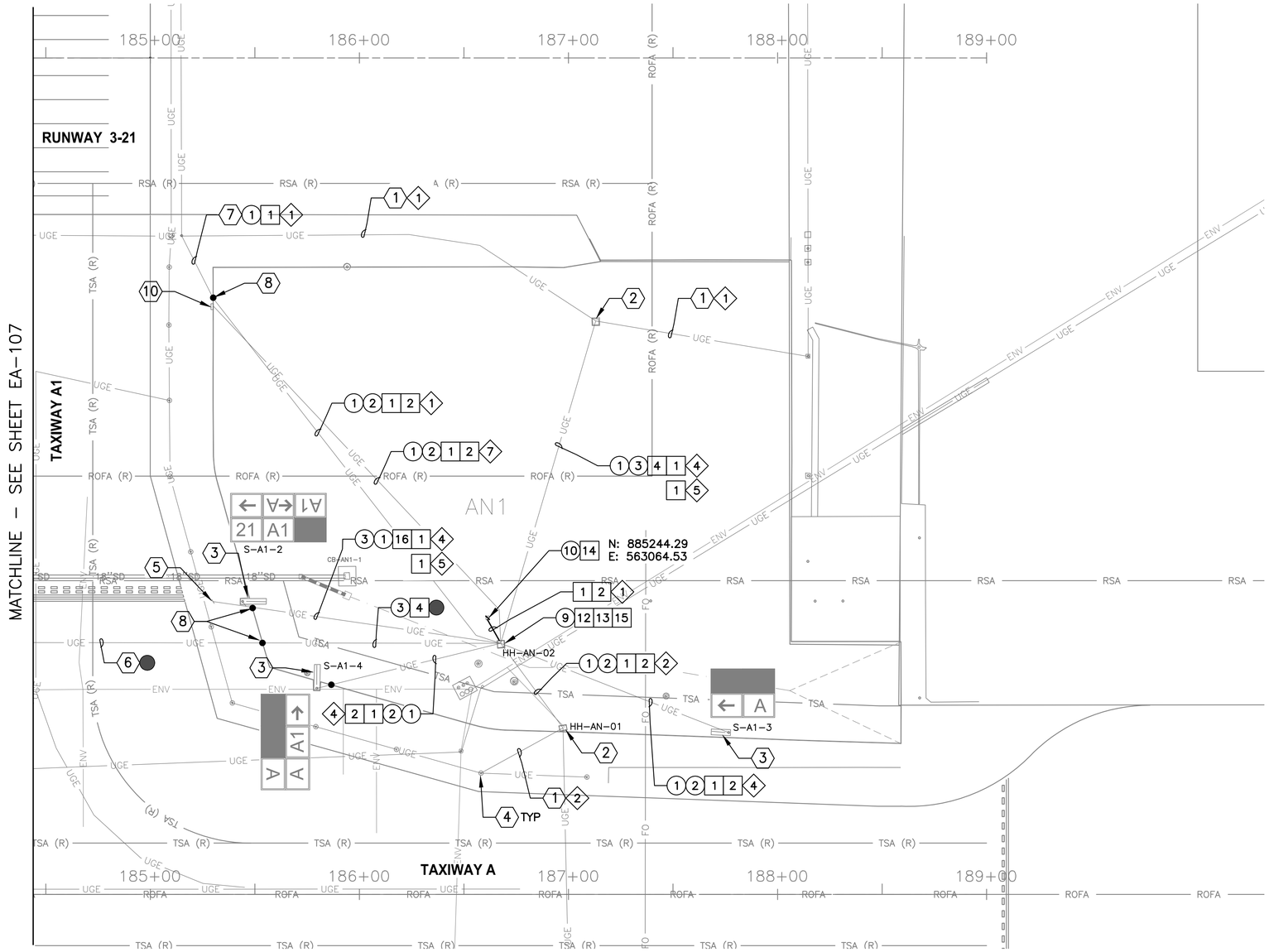
PHX DVT GYR
CITY OF PHOENIX AVIATION DEPARTMENT
GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 08/29/2025
Dwg scale: 1"=30'

SHEET OVERVIEW TITLE
AIRFIELD ELECTRICAL SITE PLAN

SHEET REFERENCE NUMBER:
EA-107
SHEET 44 OF 53

Q:\PROJECTS\21000\21039 Goodyear Airfield Infield Paving Phase II\CAD\CAD SHEETS\ 21039 PH2 EA-101.dwg - Aug 25,2025 11:48am



REFERENCE NOTES CONTINUED.....

3	EXISTING AIRFIELD GUIDANCE SIGN TO REMAIN – PROTECT IN PLACE
4	EXISTING TAXIWAY EDGE LIGHT TO REMAIN – PROTECT IN PLACE
5	EXISTING RUNWAY GUARD LIGHT TO REMAIN – PROTECT IN PLACE
6	EXISTING DUCTBANK
7	EXISTING CONDUIT
8	SPLICE POINT OF CONDUIT/DUCTBANK AND COUNTERPOISE
9	REFER TO CIVIL PLANS FOR EXISTING HANDHOLE LID ADJUSTMENTS TO RAISE OR LOWER TO NEW GRADES
10	EXISTING REIL TO REMAIN – PROJECT IN PLACE

CIRCUIT IDENTIFICATION

ITEM	DESCRIPTION
1	CKT RW (RUNWAY)
2	CKT TWN (TAXIWAY A NORTH)
4	CKT SG (SIGNS)
5	CKT RGL (RUNWAY GUARD LIGHTS)
7	CKT RLN (REIL NORTH 480V)

● = 1 1 2
1 1 4
1 1 5
1 1 7

ADJUSTMENT & REMOVAL NOTES

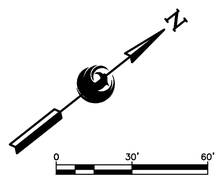
ITEM	DESCRIPTION	QTY
1	REMOVE EXISTING CABLE BACK TO NEAREST HANDHOLE/SIGN BASE/RGL AND RECONNECT IN STRUCTURE TO MAINTAIN CIRCUIT.	2,210 LF
2	EXCAVATE AND REMOVE EXISTING SECTION OF CONDUIT AS REQUIRED TO MAINTAIN 18" MINIMUM DEPTH TO TOP OF CONDUIT.	715 LF
3	EXCAVATE AND REMOVE EXISTING SECTION OF DUCTBANK AS REQUIRED TO MAINTAIN 18" MINIMUM DEPTH TO TOP OF DUCTBANK.	395 LF
9	EXCAVATE AND REMOVE EXISTING CONCRETE HANDHOLE.	1 EA
10	REMOVE AND SALVAGE EXISTING WINDCONE, REMOVE EXISTING FOUNDATION	1 EA

CONSTRUCTION NOTES

ITEM	DESCRIPTION	QTY
1	NEW 2/C, #8, L-824 TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (BARE 5KV, GREEN 480V)	2,515 LF
2	NEW 1-2"C SE AND #6 COUNTERPOISE (IF REQUIRED FOR UTILITY RELOCATION)	695 LF
4	NEW 4-2"C SE AND #6 COUNTERPOISE (IF REQUIRED FOR UTILITY RELOCATION)	275 LF
12	INSTALL NEW HANDHOLE LID ID PLAQUE ON NEW OR EXISTING HANDHOLE	1 EA
13	NEW 4'x4'x4' AIRCRAFT-RATED HANDHOLE AND HATCH WITH CYLINDER-ASSISTED OPENING	1 EA
14	INSTALL NEW INTERNALLY LIGHTED L-806(L) LED WINDCONE ON NEW FOUNDATION	1 EA
15	INSTALL NEW RUNWAY GUARD LIGHT ISOLATION BOXES AND CONDUIT IN NEW HANDHOLE	1 EA
16	NEW 2-2"C SE AND #6 COUNTERPOISE (IF REQUIRED FOR UTILITY RELOCATION)	120 LF

REFERENCE NOTES

ITEM	DESCRIPTION
1	EXISTING CONDUIT AND CONDUCTOR TO REMAIN – PROTECT IN PLACE
2	EXISTING HANDHOLE TO REMAIN – PROTECT IN PLACE



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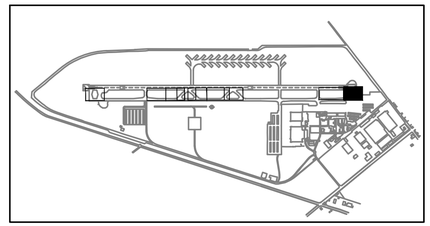

KEY MAP
NTS

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

Registered Professional Engineer (Electrical) – CERTIFICATE NO. 36086 – CATHERINE M. ALCORN – Date Signed 08-29-2025 – Not Valid Unless Signed

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR

CITY OF PHOENIX AVIATION DEPARTMENT

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INFIELD PAVING
PHASE II

AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

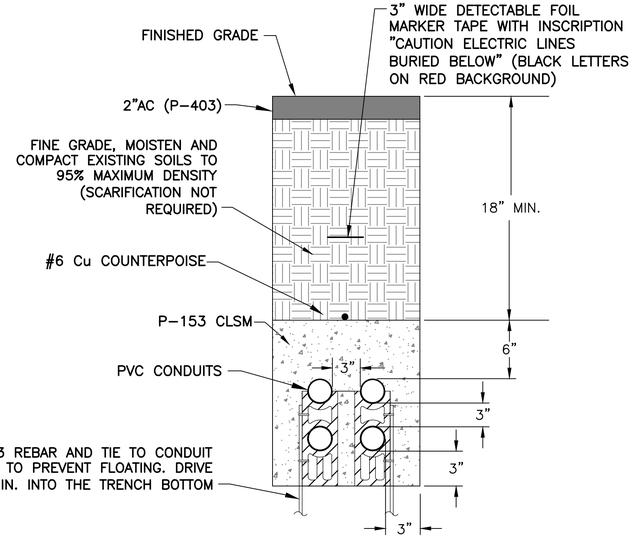
Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 08/29/2025
Dwg scale: 1"=30'

SHEET OVERVIEW TITLE: **AIRFIELD ELECTRICAL SITE PLAN**

SHEET REFERENCE NUMBER: **EA-108**

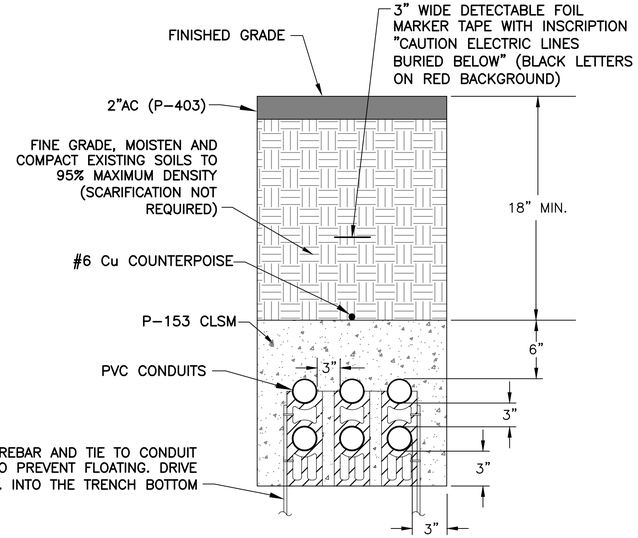
SHEET 45 OF 53

Q:\PROJECTS\21000\21039 Goodyear Airfield Infield Paving Phase II\CAD\Cad SHEETS\ 21039 PH2 EA-101.dwg — Aug 27,2025 1:20pm



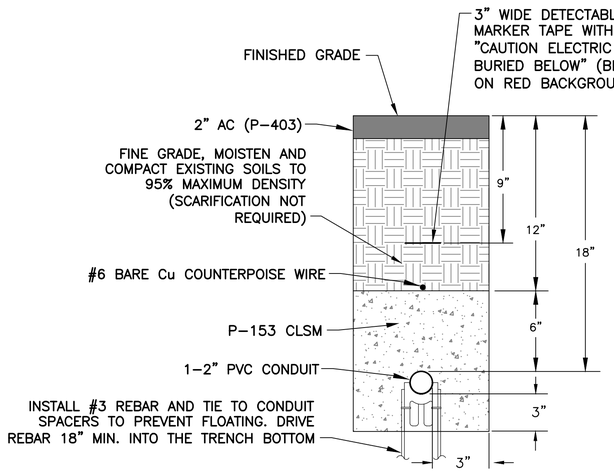
ALL DIMENSIONS ARE MINIMUM

502 TYP SLURRY ENCASED (SE) CONDUIT DUCTBANK (4-2")
NTS



ALL DIMENSIONS ARE MINIMUM

502 TYP SLURRY ENCASED (SE) CONDUIT DUCTBANK (6-2")
NTS



ALL DIMENSIONS ARE MINIMUM. DETAIL APPLICABLE FOR ALL CONDUIT BETWEEN L-867 BASE CANS/TRANSFORMER HOUSINGS

503 TYP CONDUIT DETAIL
NTS

GENERAL DUCTBANK NOTES

1. CONTRACTOR TO VERIFY 18" MINIMUM DEPTH TO TOP OF CONDUIT FROM MODIFIED FINISHED GRADES IN AREAS AFFECTED BY CONSTRUCTION. CONDUITS AND DUCTBANKS ARE REQUIRED TO BE INSTALLED IN ACCORDANCE WITH FAA SPECIFICATION L-110.
2. IF LOWERING EXISTING CONDUIT OR DUCTBANK IS REQUIRED, CONTRACTOR SHALL COORDINATE WITH AIRPORT TO INSTALL TEMPORARY JUMPERS BETWEEN LIGHTS, SIGNS, OR HANDHOLES TO MAINTAIN CIRCUIT OPERATION, PRIOR TO REMOVING EXISTING CABLES TO LOWER CONDUITS.
3. A 3" MINIMUM/6" MAXIMUM 4000 PSI CONCRETE CAP MAY BE INSTALLED IN LIEU OF LOWERING DUCTBANK IF TOP OF CONDUITS ARE WITHIN 3" OF 18" MINIMUM DEPTH BELOW GRADE.

Q:\PROJECTS\21000\21039 Goodyear Airfield Infield Paving Phase II\CAD\CAD SHEETS\ 21039 Ph2 EA-501 - DUCTBANK.dwg — Aug 25,2025 11:59am

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NO	REVISIONS / SUBMISSIONS	DATE

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GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

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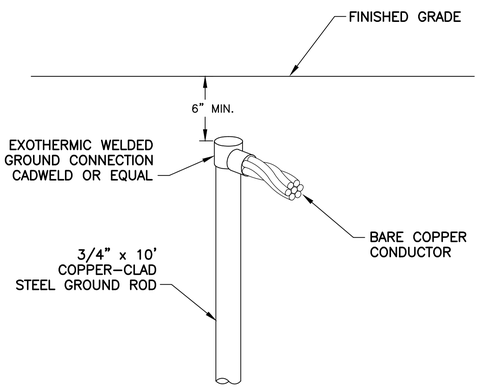
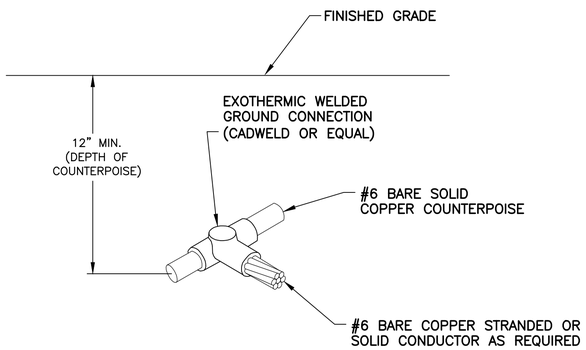
Date: 08/29/2025
Dwg scale: NTS

SHEET OVERVIEW TITLE
DUCTBANK DETAILS

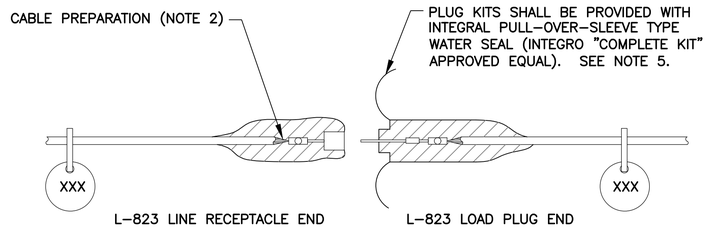
SHEET REFERENCE NUMBER:
EA-501



561 TYP CABLE TO GROUND ROD CONNECTION
NTS



766 TYP COUNTERPOISE TO CABLE CONNECTION DETAIL
NTS



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 ONE (1) TAPE LAYER OVER L-823 CONNECTIONS AFTER PULLING SLEEVE OVER COMPLETE KIT (SCOTCH OR EQUAL): 1ST LAYER - 33+ VINYL ELECTRICAL TAPE
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 AND SIGNAGE CIRCUITS, TAPE FROM THE BACK END OF THE CONNECTOR KIT ONTO CABLE FOR 3" EACH, RED THEN WHITE PHASE TAPE FOR SIGNS, RED ONLY PHASE TAPE FOR RUNWAY EDGE LIGHTS, 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.

925 TYP TYPICAL 5KV CABLE SPLICE
NTS

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT

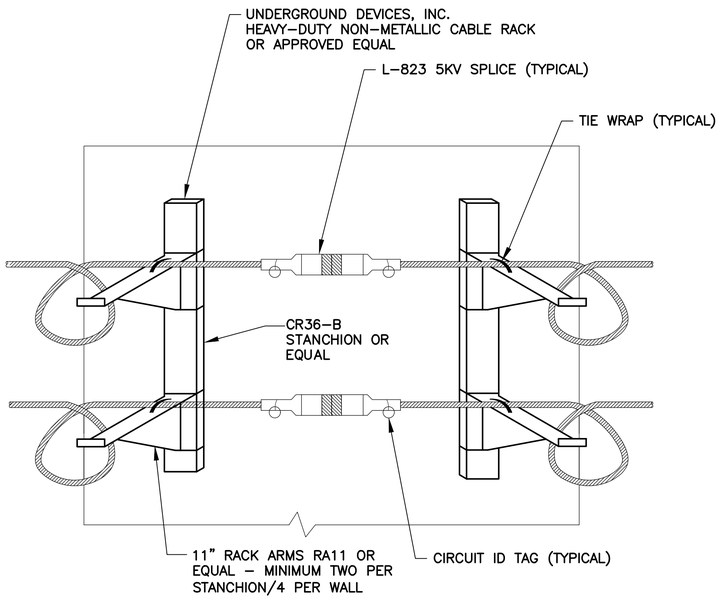
GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

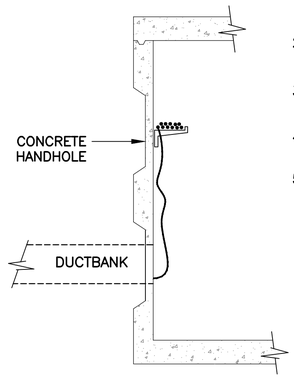
Designed by:	SW
Drawn by:	JBW
Checked by:	CA
Date:	08/29/2025
Dwg scale:	NTS

SHEET OVERVIEW TITLE
SPLICING AND
GROUNDING DETAILS

SHEET REFERENCE NUMBER:
EA-502

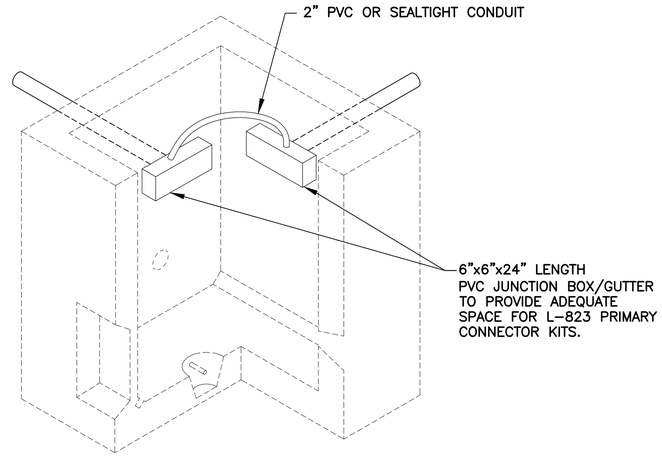
Q:\PROJECTS\21000\21039_Goodyear_Airfield_Infield_Paving_Phase_II\CAD\CAD_SHEETS_21039_PH2_EA-502_-_GROUNDING_DETAILS.dwg - Aug 25,2025 12:00pm

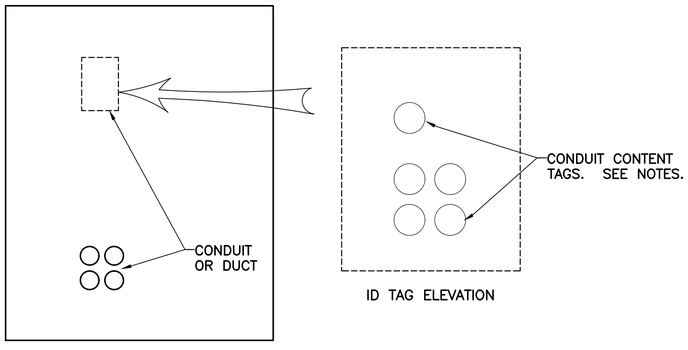




1. PROVIDE NON–METALLIC, NON–CONDUCTIVE, RACK ARMS, BOLTED TO CHANNELS INSET IN HANDHOLE WALLS. PROVIDE MIN. (2) ARMS FOR EVERY WALL.
2. CABLE RACKING SHALL BE LIMITED TO THE UPPER HALF OF THE HANDHOLE.
3. PROVIDE 2 CIRCUIT TAGS FOR EVERY L–823 CABLE SPLICE IN HH WITHIN 24" OF SPLICE.
4. PROVIDE A MIN. 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.

(A) CABLE RACKING DETAIL
NTS

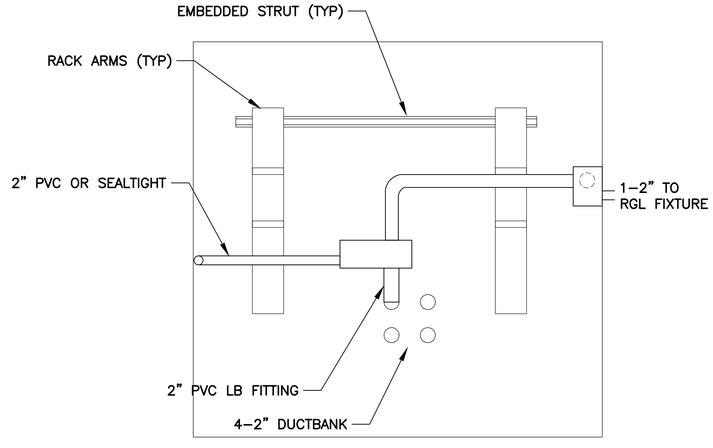




(B) CABLE ROUTING IDENTIFICATION TAG DETAIL
NTS

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.



INTERIOR ELEVATION

(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.

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NO	REVISIONS / SUBMISSIONS	DATE

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GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 08/29/2025
Dwg scale: NTS

SHEET OVERVIEW TITLE
CABLE RACKING AND RGL ISOLATION DETAILS

SHEET REFERENCE NUMBER:
EA-503

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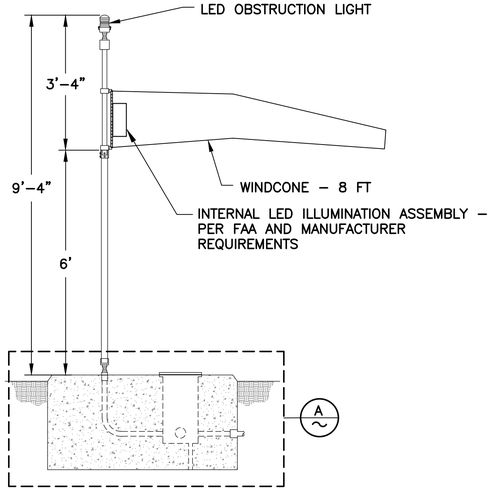
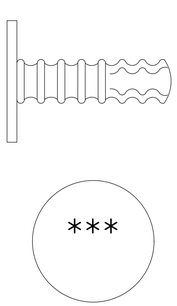
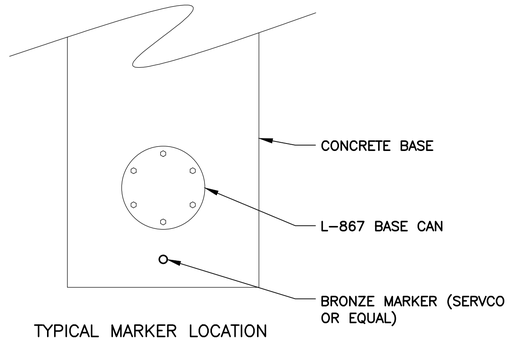


936 TYP NEW L-806 LED LIGHTED WINDCONE ON NEW CONCRETE BASE
NTS

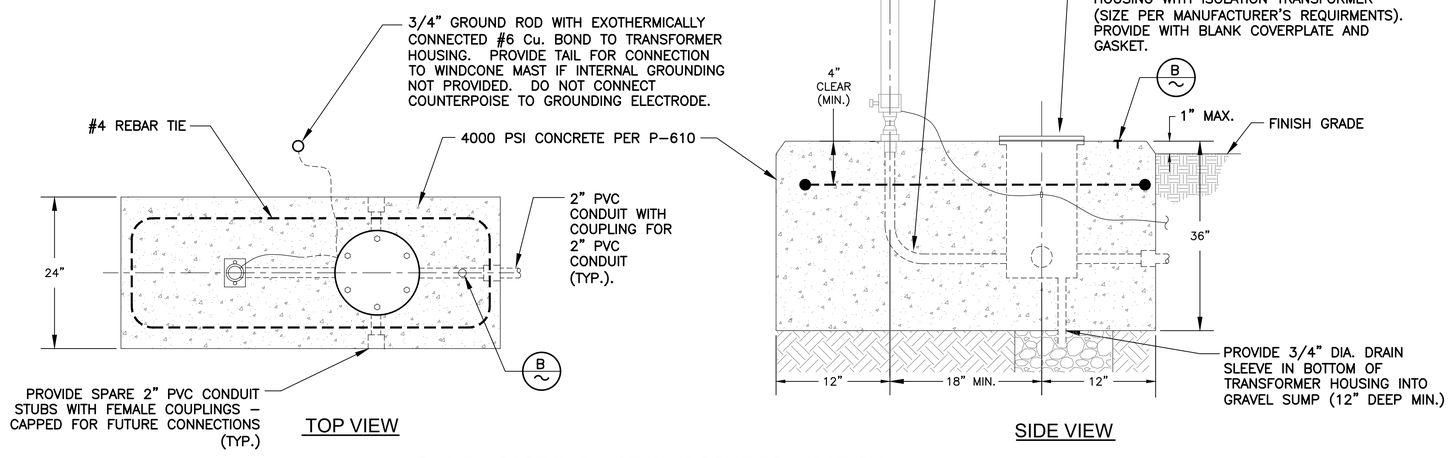


BRONZE MARKER



TYPICAL MARKER LOCATION

B CIRCUIT IDENTIFICATION MARKER
NTS



TOP VIEW

SIDE VIEW

A NEW CAST-IN-PLACE WINDCONE FOUNDATION
NTS

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INFIELD PAVING
PHASE II
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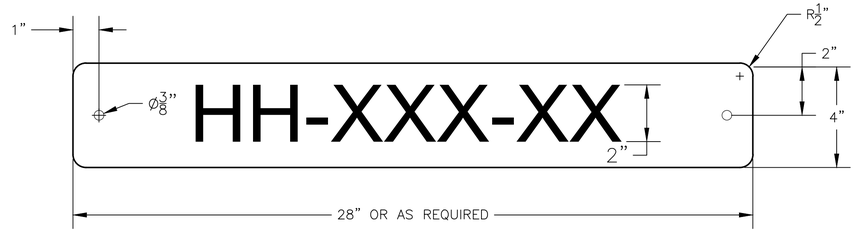
SHEET OVERVIEW TITLE
WINDCONE DETAILS

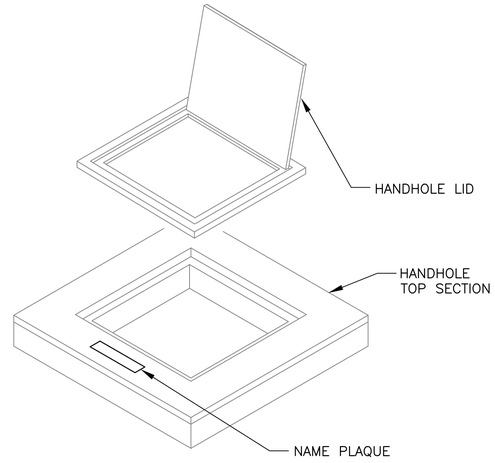
SHEET REFERENCE NUMBER:
EA-504



576 TYP HANDHOLE NAME PLAQUE
NTS

NOTES:

1. HANDHOLE NAMEPLATE PLAQUE IS TO BE 4" IN HEIGHT, 28" IN WIDTH, AND 1/8" THICK. THE NAMEPLATE PLAQUE WILL BE STAINLESS STEEL.
2. LETTERING IS TO BE 2" IN HEIGHT, AND 1 1/4" IN WIDTH. LETTERING IS TO BE CENTERED VERTICALLY AND HORIZONTALLY ON THE PLAQUE.
3. LETTERING SHOULD BE CUT BY A COMPUTER-AIDED PLASMA CUTTER, OR SIMILAR DEVICE, TO INSURE THE EDGES ARE STRAIGHT AND CLEAN.
4. 3/8" DIA. HOLES WILL BE PROVIDED ON BOTH ENDS, TO ALLOW THE USE OF CONCRETE ANCHOR SCREWS, TO ATTACH TO THE CONCRETE TOP SECTION OF THE HANDHOLE.
5. REFER TO PLAN SHEETS FOR HANDHOLE LOCATIONS AND NAMES.
6. AIRPORT OPERATIONS SHALL BE CONTACTED FOR NAME AND NUMBER.



NAME PLAQUE PLACEMENT
NTS

NOTES:

1. PLACE NAME PLAQUE ON THE FRONT OF THE HANDHOLE, AS THE LID OPENS.
2. NAME PLAQUE IS TO BE CENTERED HORIZONTALLY AND VERTICALLY, AS SHOWN.

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GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by: SW
Drawn by: JBW
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Date: 08/29/2025
Dwg scale: NTS

SHEET OVERVIEW TITLE
HANDHOLE NAME PLAQUE DETAILS

SHEET REFERENCE NUMBER:
EA-505

SHEET 50 OF 53

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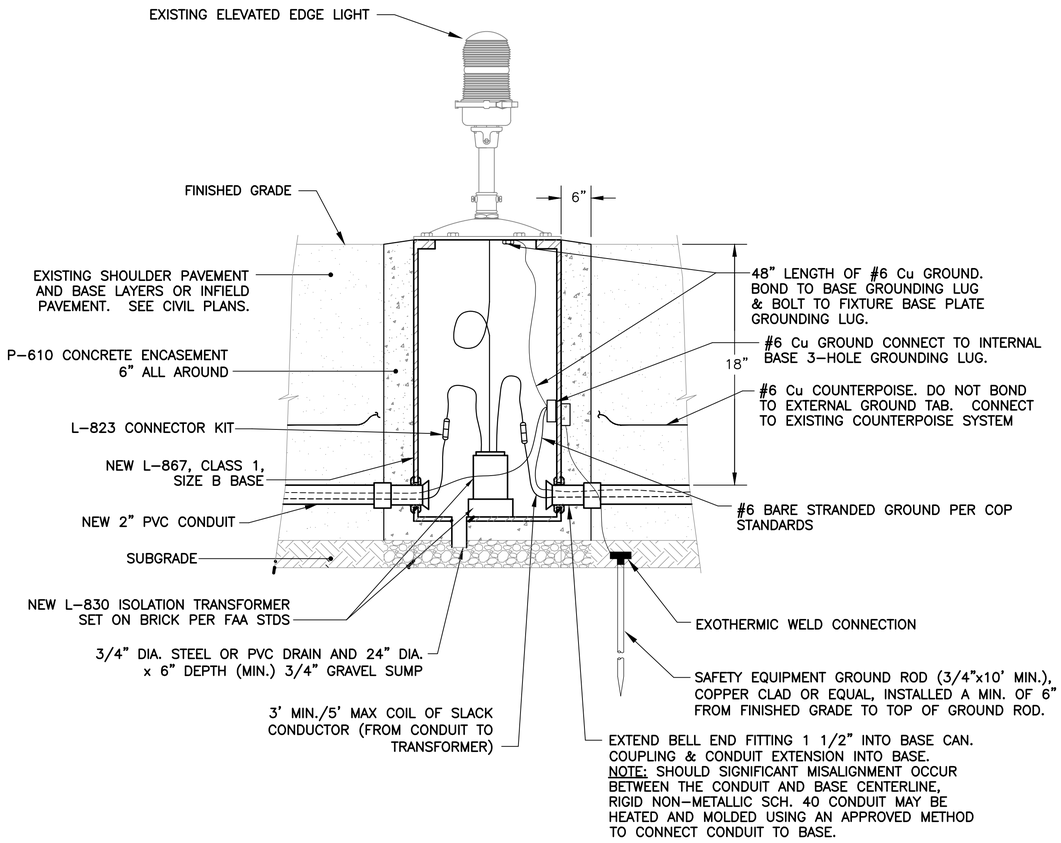
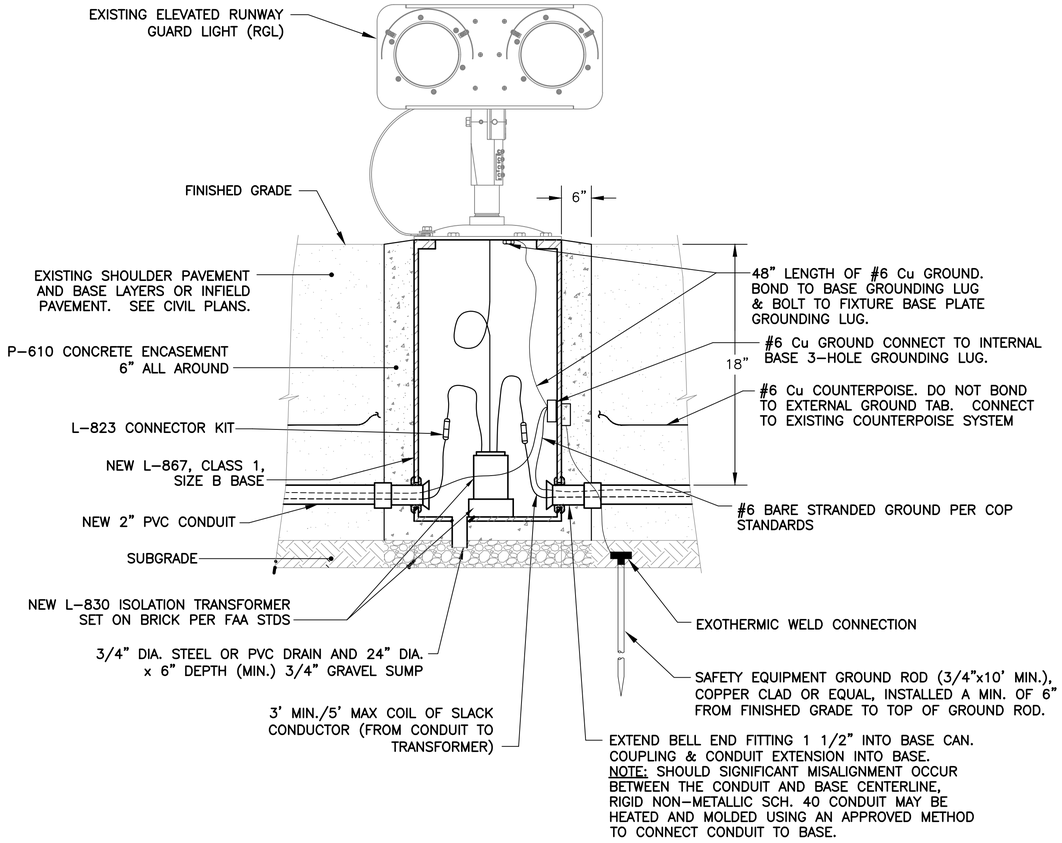


901 TYP ELEVATED EDGE LIGHT ON NEW BASE CAN DETAIL

NTS



870 TYP ELEVATED RUNWAY GUARD LIGHT ON NEW BASE CAN DETAIL

NTS

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GOODYEAR AIRPORT
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PHASE II
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Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 08/29/2025
Dwg scale: NTS

SHEET OVERVIEW TITLE

EXSITING ELEVATED EDGE LIGHT AND RGL INSTALLATION DETAILS

SHEET REFERENCE NUMBER:
EA-506

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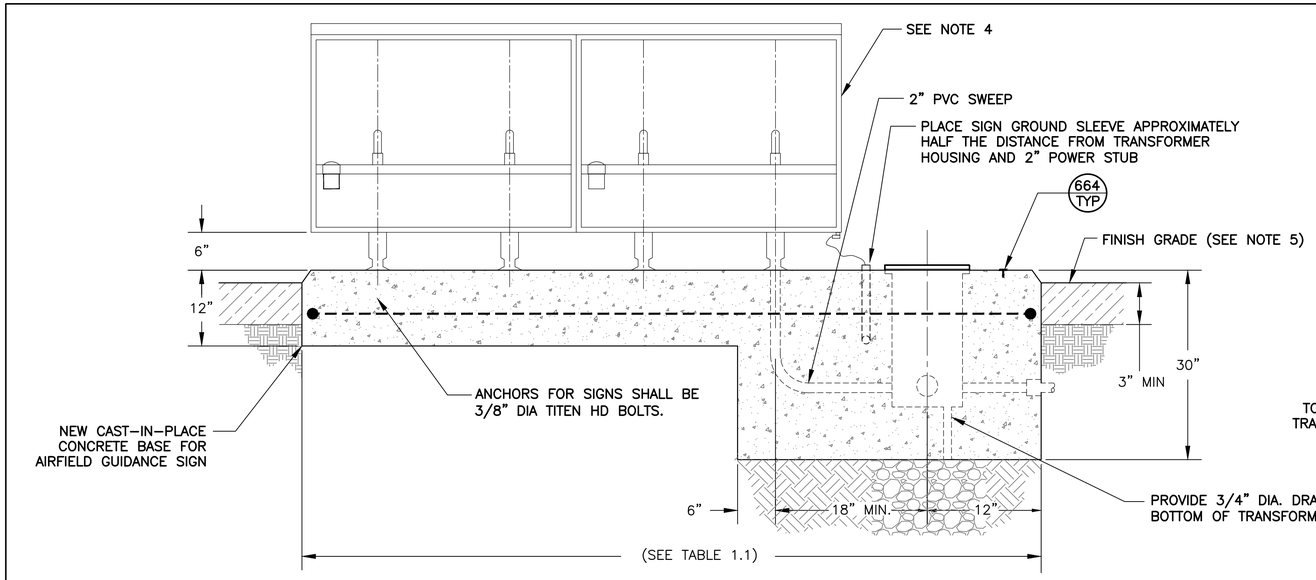
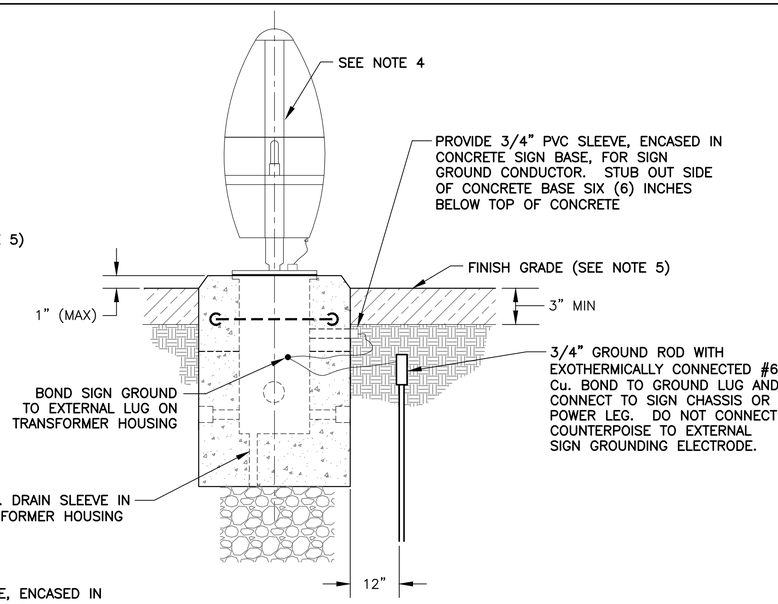


SIDE VIEW

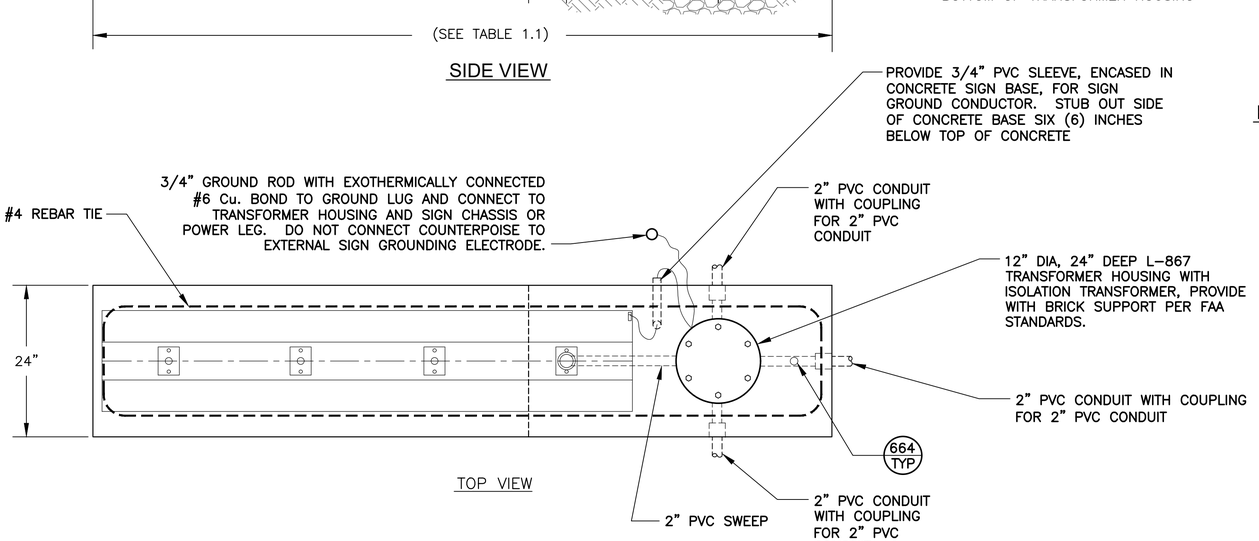


FRONT VIEW (CAN SIDE)

TABLE 1.1 (SIZE 2 SIGNS):

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

*ALL LENGTHS SHOWN ARE MINIMUM



TOP VIEW

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

NTS

NOTES

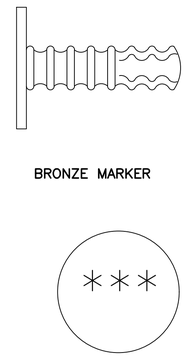
1. NEW CAST-IN-PLACE CONCRETE BASE SHOWN WITH A TWO MODULE SIGN FOR ILLUSTRATIVE PURPOSES ONLY. SEE TABLE 1.1 FOR ACTUAL LENGTH OF BASE NEEDED FOR MULTIPLE MODULE SIGNS.
2. BASE SHALL BE CONSTRUCTED LEVEL, 1" ABOVE FINISHED GRADE OF AREA WHERE BASE IS CONSTRUCTED.
3. TRANSFORMER HOUSING SHALL BE ORIENTED AT TAXIWAY EDGE PER COP/DVT STANDARDS.
4. SIGNS SHALL BE EQUIPPED WITH DISCONNECTING SWITCH AND WEATHERPROOF COVER ON INBOARD OF SIGN.

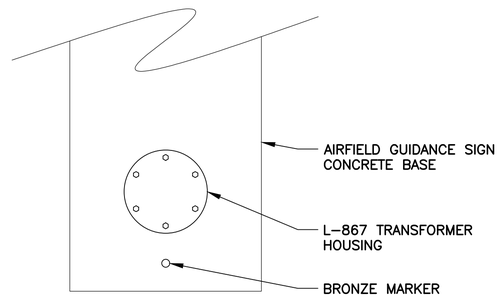
SIGN HEIGHTS AND LOCATION DISTANCES FOR TAXIWAY GUIDANCE SIGNS

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 1.14, THIS HEIGHT SHOULD BE REDUCED, IF NECESSARY, TO PROVIDED THE REQUIRED 12-INCH CLEARANCE BETWEEN THE TOP OF THE SIGN AND THE CRITICAL AIRCRAFT (AS NOTED IN PARAGRAPH 1.14.3)

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





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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Certified Professional Engineer (Electrical) CERTIFICATE NO. 36686 CATHERINE M. ALCORN Date Signed 08-29-25 ARIZONA U.S.A.

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NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT

GOODYEAR AIRPORT
INFIELD PAVING
PHASE II
AV 41000079 ADOT
ADOT GRANT NO.: E3S2I 01C & E4SSM 01C

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 08/29/2025
Dwg scale: NTS

SHEET OVERVIEW TITLE

NEW CAST-IN-PLACE CONCRETE SIGN BASE DETAILS

SHEET REFERENCE NUMBER:
EA-507

SHEET 52 OF 53

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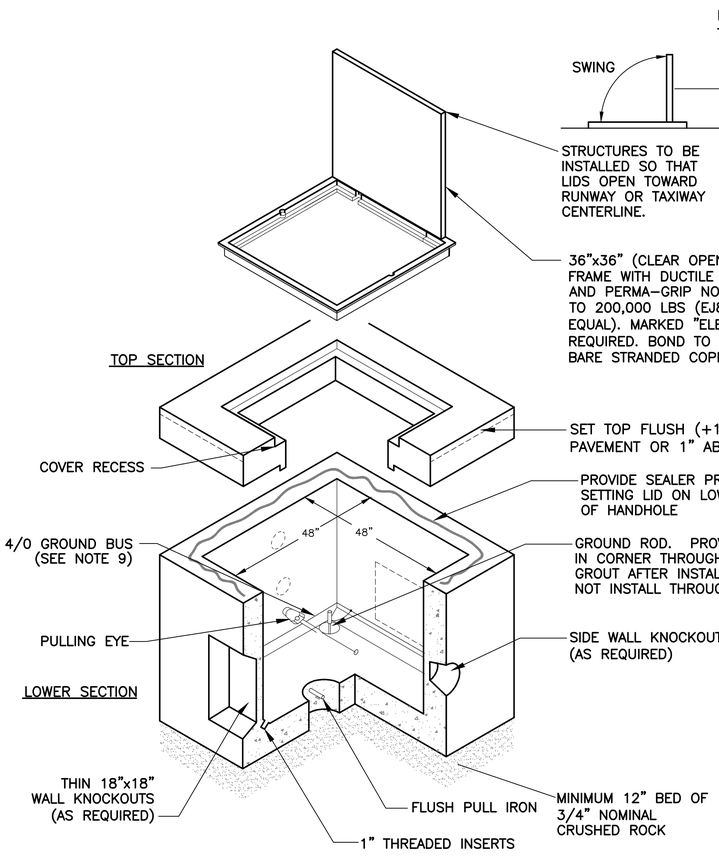
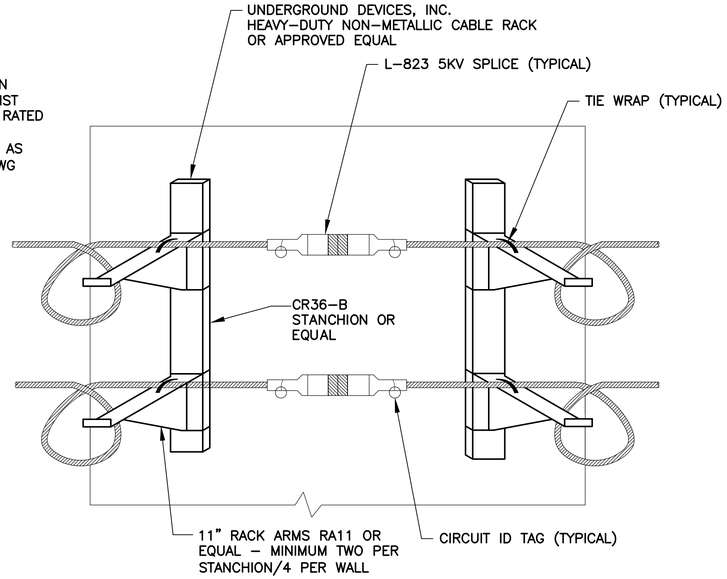


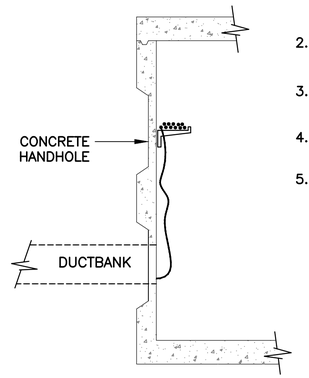
960 TYP 4'x4'x4' HANDHOLE DETAIL
NTS

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

HANDHOLE NOTES:

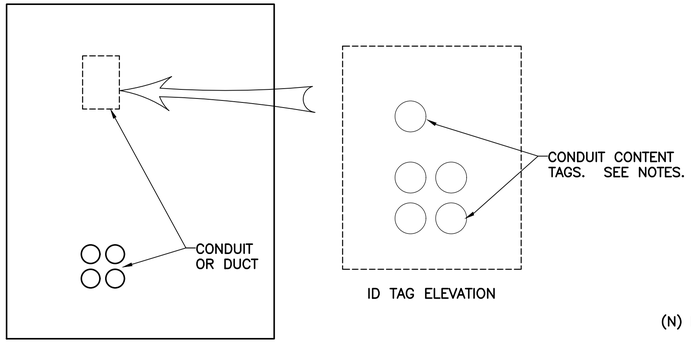
1. ALL STEEL, OTHER THAN REBAR, TO BE HOT DIPPED GALVANIZED AFTER FABRICATION.
2. PROVIDE ALL HANDHOLES WITH CABLE RACKS AND PULLING EYES PER SPECIFICATIONS.
3. PROVIDE CABLE ROUTING ID TAGS AT EACH HANDHOLE.
4. PROVIDE GROUND ROD FOR EACH HANDHOLE PER SPECIFICATIONS.
5. GROUT ALL CONDUIT PENETRATIONS.
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.
9. 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 LID, ALL TRAYS, AND OTHER METAL HARDWARE (EXOTHERMIC WELDS TO BUS AND MECHANICAL CONNECTIONS TO HARDWARE).





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.

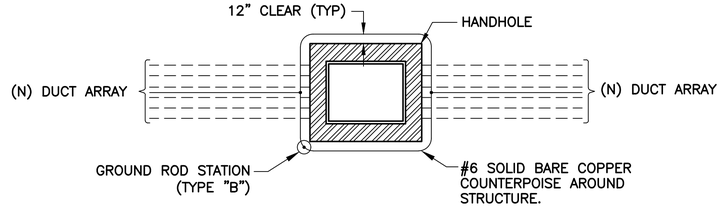
A CABLE RACKING DETAIL
NTS



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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SHEET OVERVIEW TITLE

NEW 4'X4'X4' CONCRETE HANDHOLE DETAILS

SHEET REFERENCE NUMBER:
EA-508

SHEET 53 OF 53

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