CITY OF PHOENIX

AVIATION DEPARTMENT

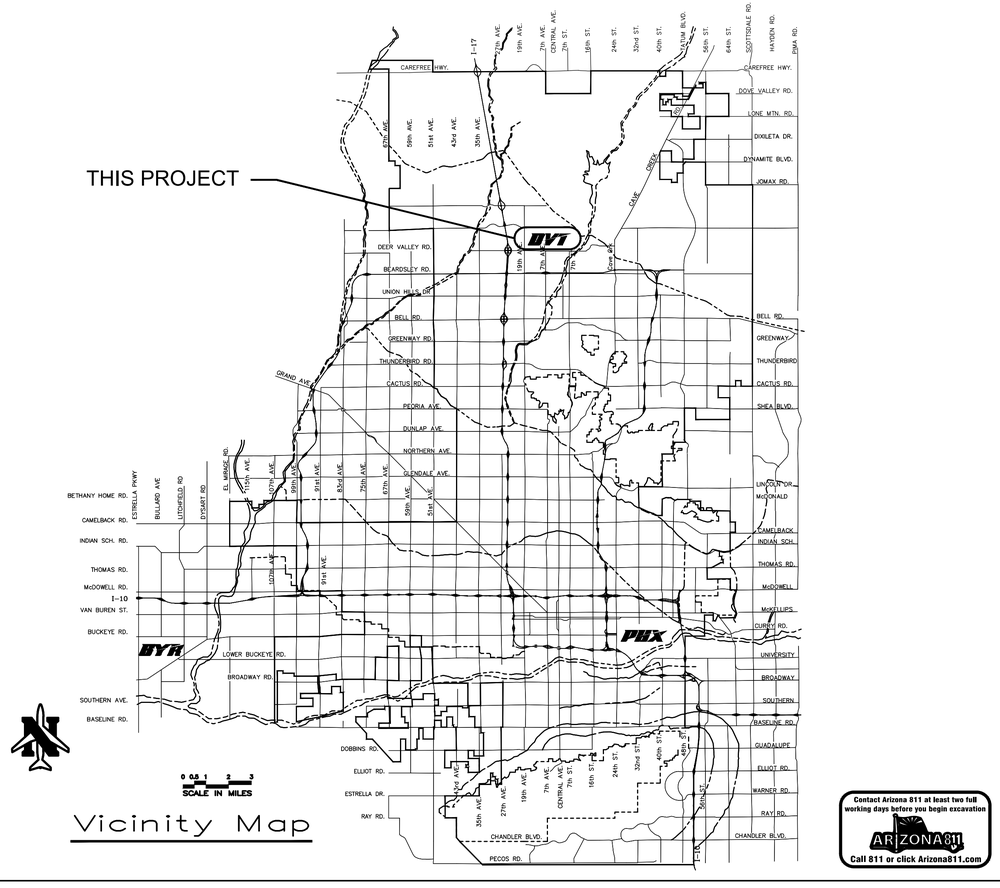
DESIGN & CONSTRUCTION SERVICES

PROJECT NAME **DEER VALLEY AIRPORT**
TAXIWAY C CONNECTORS C4-C10

ADDRESS **702 WEST DEER VALLEY DRIVE, PHOENIX, AZ 85027**

PROJECT NUMBERS **AV31000096 FAA/ADOT**

ADOT GRANT NUMBER **XXX**



Vicinity Map

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

MAYOR
KATE GALLEGO

VICE MAYOR
KESHA HODGE WASHINGTON

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

RON PRICE, CHAIR
ANNETTE MUSA, VICE CHAIR
RUBEN ALONZO
CYNTHIA ARAGÓN
SANDRA FERNIZA
STEPHANIE FLEISCHMAN CHERNY
SHARON HWANG
VERMA PASTOR
DAVID SHILLIDAY
DAN BROWNLEE (EX-OFFICIO)

CITY MANAGER — ED ZUERCHER

CITY ENGINEER — ERIC FROBERG, P.E.

AVIATION DIRECTOR — CHAD R. MAKOVSKY, A.A.E.

APPROVALS

DEPUTY AVIATION DIRECTOR
DESIGN & CONSTRUCTION SERVICES DIVISION

DATE

AV31000096 FAA/ADOT - 90% PRELIMINARY

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT

APPROXIMATE QUANTITY SUMMARY

LINE NO.	ITEM NO.	DESCRIPTION	UNIT	APPROXIMATE QUANITY
1	SP–30.1	CONSTRUCTION SURVEY LAYOUT	LS	1
2	SP–31.1	MISCELLANEOUS REMOVALS AND OTHER WORK (ALLOWANCE)	ALLOWANCE	1
3	SP–33.1	ADJUST EXISTING STRUCTURE TO FINISHED GRADE	EA	4
4	SP–34.1	UNFORESEEN UTILITY LOCATING (ALLOWANCE)	ALLOWANCE	1
5	SP–35.1	EXISTING UTILITY RELOCATIONS (ALLOWANCE)	ALLOWANCE	1
6	SP–37.1	REMOVE, HAUL, AND STOCKPILE CRUSHED AGGREGATE SLOPE PROTECTION	SY	80,287
7	SP–38.1	HAUL AND PLACE CRUSHED AGGREGATE SLOPE PROTECTION	SY	80,287
8	SP–40.1	OVER EXCAVATION OF UNSUITABLE MATERIALS AND BACKFILL WITH SELECT MATERIAL (ALLOWANCE)	CY	1,753
9	SP–41–8.1	AIRPORT SAFETY AND SECURITY (M–003)	LS	1
10	SP–42–5.1	LOCATION OF UNDERGROUND UTILITIES (U–200)	LS	1
11	SP–43.1	APPLY HERBICIDE AND PRE–EMERGENT	SY	80,287
12	C–100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
13	C–102–6.1	STORMWATER POLLUTION PREVENTION PLAN	LS	1
14	C–105	MOBILIZATION (MAXIMUM 4%)	LS	1
15	P–101–5.1a	REMOVE ASPHALT PAVEMENT FULL DEPTH	SY	6,404
16	P–101–5.1b	REMOVE CATCH BASIN	EA	3
17	P–101–5.1c	REMOVE 18" RCP	LF	413
18	P–101–5.1d	CUT AND PLUG EXISTING STORM DRAIN PER MAG STD DTL 427	EA	1
19	P–101–5.1e	REMOVE STORM DRAIN MANHOLE	EA	1
20	P–151–4.1	CLEARING AND GRUBBING	LS	1
21	P–152–4.1	UNCLASSIFIED EXCAVATION	CY	8,764
22	P–155–8.1	LIME–TREATED SUBGRADE (12", 5.5%)	SY	17,492
23	P–209–5.1	CRUSHED AGGREGATE BASE COURSE (6")	SY	16,393
24	P–401–8.1	ASPHALT SURFACE COURSE	TON	4,455
25	P–603–5.1	EMULSIFIED ASPHALT TACK COAT	TON	33
26	P–620–5.1a	SURFACE PREPARATION OF PAVEMENT TO REMOVE EXISTING MARKINGS	SF	41,386
27	P–620–5.2b.1	YELLOW PAVEMENT MARKING	SF	10,734
28	P–620–5.2b.2	WHITE PAVEMENT MARKING	SF	1,054
29	P–620–5.2b.3	RED PAVEMENT MARKING	SF	1,160
30	P–620–5.2b.4	BLACK PAVEMENT MARKING	SF	28,438
31	P–620–5.3c	REFLECTIVE MEDIA	LS	1
32	P–620–5.4d	TEMPORARY MARKINGS	LS	1
33	D–701–5.1a	24 INCH RGRCP, CLASS V	LF	641
34	D–701–5.1b	18 INCH RGRCP, CLASS V	LF	13
35	D–705–5.4	4 INCH HDPE UNDERDRAIN PIPE	LF	86
36	D–751–5.1a	CONSTRUCT TRIPLE CATCH BASIN PER COP DETAIL P1570, WITH CONCRETE APRON PER ADOT DETAIL C–15.80	EA	4
37	D–751–5.1b	CONSTRUCT STORM DRAIN MANHOLE PER COP DETAIL P1520 AND MAG DETAIL 522	EA	5
38	L–100–5.1	REMOVE AND SALVAGE EXISTING TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER, REMOVE EXISTING BASE CAN	EA	52
39	L–100–5.2	REMOVE AND SALVAGE EXISTING TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER, EXISTING BASE CAN TO REMAIN	EA	8
40	L–100–5.3	REMOVE AND SALVAGE EXISTING RUNWAY EDGE LIGHT AND ISOLATION TRANSFORMER, REMOVE EXISTING BASE CAN	EA	2
41	L–100–5.5	REMOVE AND SALVAGE EXISTING RUNWAY GUARD LIGHT AND ISOLATION TRANSFORMER, REMOVE EXISTING BASE CAN	EA	5
42	L–100–5.7	REMOVE EXISTING JUNCTION CAN / PULL BOX	EA	3
43	L–100–5.8	EXCAVATE AND REMOVE EXISTING CONDUIT AND CONDUCTOR	LF	6,165
44	L–100–5.9	REMOVE EXISTING CONDUCTOR, CONDUIT TO REMAIN	LF	3,470
45	L–100–5.10	EXCAVATE AND REMOVE EXISTING CONCRETE ENCASED DUCTBANK	LF	520
46	L–100–5.11	REMOVE AND SALVAGE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER, REMOVE CONCRETE SIGN BASE	EA	16
47	L–100–5.12	REMOVE AND SALVAGE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER, CONCRETE SIGN BASE TO REMAIN	EA	1
48	L–100–5.13	EXCAVATE AND REMOVE EXISTING CONCRETE HAND HOLE	EA	9
49	L–100–5.14	REMOVE SIGN PANELS FROM EXISTING AIRFIELD GUIDANCE SIGN	EA	3
50	L–100–5.15	TEMPORARY AIRFIELD LIGHTING CIRCUIT JUMPERS	LS	1
51	L–108–5.1	L–824, TYPE C, 1/C #8 AWG, 5KV CABLE, #6 GROUND	LF	6,785
52	L–108–5.2	L–824, TYPE C, 2/C #8 AWG, 5KV CABLE, #6 GROUND	LF	12,605
53	L–110–5.1	SINGLE–WAY, (1) – 2" CONDUIT, DIRECT BURIED (TEMPORARY CIRCUIT JUMPER SLEEVE)	LF	825
54	L–110–5.2	SINGLE–WAY, (1) – 2" CONDUIT, SLURRY ENCASED W/ #6 COUNTERPOISE	LF	7,535
55	L–110–5.3	SINGLE–WAY, (1) – 2" CONDUIT, CONCRETE ENCASED W/ #6 COUNTERPOISE	LF	370
56	L–110–5.4	MULTIPLE–WAY, (4) – 2" CONDUIT, SLURRY ENCASED W/ #6 COUNTERPOISE	LF	1,840
57	L–110–5.5	MULTIPLE–WAY, (6) – 2" CONDUIT, CONCRETE ENCASED W/ #6 COUNTERPOISE	LF	750
58	L–110–5.6	MULTIPLE–WAY, (8) – 2" CONDUIT, SLURRY ENCASED W/ #6 COUNTERPOISE	LF	135
59	L–110–5.7	MULTIPLE–WAY, (8) – 2" CONDUIT, DIRECTIONAL BORE W/ #6 COUNTERPOISE	LF	160
60	L–110–5.8	MULTIPLE–WAY, (2) – 4" CONDUIT, SLURRY ENCASED W/ #6 COUNTERPOISE	LF	15
61	L–110–5.9	MULTIPLE–WAY, (2) – 4" CONDUIT, CONCRETE ENCASED W/ #6 COUNTERPOISE	LF	230

APPROXIMATE QUANTITY SUMMARY

LINE NO.	ITEM NO.	DESCRIPTION	UNIT	APPROXIMATE QUANITY
62	L–110–5.10	MULTIPLE–WAY, (4) – 4" CONDUIT, SLURRY ENCASED W/ #6 COUNTERPOISE	LF	95
63	L–110–5.11	MULTIPLE–WAY, (4) – 4" CONDUIT, CONCRETE ENCASED W/ #6 COUNTERPOISE	LF	35
64	L–115–5.1	NEW HANDHOLE, PREFABRICATED CONCRETE 4'X4'X4' WITH AIRCRAFT RATED LID, FURNISHED AND INSTALLED	EA	14
65	L–115–5.2	PROVIDE AND INSTALL RGL ISOLATION BOXES AND CONDUITS IN NEW OR EXISTING CONCRETE HAND HOLE	EA	14
66	L–115–5.3	NEW L–867B JUNCTION CAN WITH STEEL BLANK COVER	EA	1
67	L–115–5.4	NEW L–867D JUNCTION CAN WITH STEEL BLANK COVER	EA	2
68	L–125–5.1	NEW L–804(L) LED ELEVATED RGL WITH ON/OFF SWITCH AND ISOLATION TRANSFORMER ON NEW L–867 BASE CAN	EA	8
69	L–125–5.2	INSTALL SALVAGED ELEVATED RGL AND ISOLATION TRANSFORMER ON NEW L–867 BASE CAN	EA	2
70	L–125–5.3	NEW L–858(L) SIZE 1, STYLE 2, 2–MODULE, AIRFIELD GUIDANCE SIGN, ON NEW CONCRETE SIGN BASE W/ ASPHALT MAINTENANCE PAD	EA	3
71	L–125–5.5	NEW L–858(L) SIZE 1, STYLE 2, 3–MODULE, AIRFIELD GUIDANCE SIGN, ON NEW CONCRETE SIGN BASE W/ ASPHALT MAINTENANCE PAD	EA	9
72	L–125–5.6	SALVAGED SIZE 1, STYLE 2, 3–MODULE, AIRFIELD GUIDANCE SIGN, ON NEW CONCRETE SIGN BASE W/ ASPHALT MAINTENANCE PAD	EA	4
73	L–125–5.7	NEW L–858(L) SIZE 1, STYLE 2, 4–MODULE, AIRFIELD GUIDANCE SIGN, ON NEW CONCRETE SIGN BASE W/ ASPHALT MAINTENANCE PAD	EA	4
74	L–125–5.8	SALVAGED SIZE 1, STYLE 2, 4–MODULE, AIRFIELD GUIDANCE SIGN, ON NEW CONCRETE SIGN BASE W/ ASPHALT MAINTENANCE PAD	EA	4
75	L–125–5.10	INSTALL NEW SIZE 1 SIGN PANELS IN EXISTING SIGNS	EA	31
76	L–125–5.11	NEW ELEVATED L–861T(L) LED TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER ON NEW L–867 BASE CAN	EA	127
77	L–125–5.12	SALVAGED ELEVATED L–861T QUARTZ TAXIWAY EDGE LIGHT WITH NEW ISOLATION TRANSFORMER ON NEW L–867 BASE CAN	EA	33
78	L–125–5.13	NEW STEEL BLANK COVER PLATE ON EXISTING L–867B TAXIWAY EDGE LIGHT BASE	EA	8
79	L–125–5.16	NEW L–861T(L) LED TAXIWAY EDGE LIGHT W/ STEMS, FRANGIBLE COUPLINGS AND ISOLATION TRANSFORMERS (SPARES)	EA	12
80	L–125–5.17	NEW L–852D IN–PAVEMENT RUNWAY EDGE LIGHT AND ISOLATION TRANSFORMERS ON NEW L–868 BASE	EA	2

SHEET INDEX

SHEET NO.	SHEET REF. NO.	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	GI–701	ALIGNMENT PLAN
07	GI–702	ALIGNMENT PLAN
08	GC–101	CONSTRUCTION SAFETY & PHASING PLAN
09	GC–102	CONSTRUCTION SAFETY & PHASING PLAN – PHASE 1
10	GC–103	CONSTRUCTION SAFETY & PHASING PLAN – PHASE 2
11	GC–104	CONSTRUCTION SAFETY & PHASING PLAN – PHASE 3
12	GC–105	CONSTRUCTION SAFETY & PHASING PLAN – PHASE 4
13	GC–106	CONSTRUCTION SAFETY & PHASING PLAN – PHASE 5
14	VF–401	SURVEY CONTROL PLAN
15	CD–101	CIVIL DEMOLITION PLAN
16	CD–102	CIVIL DEMOLITION PLAN
17	CD–103	CIVIL DEMOLITION PLAN
18	CD–104	CIVIL DEMOLITION PLAN
19	CD–105	CIVIL DEMOLITION PLAN
20	CD–106	CIVIL DEMOLITION PLAN
21	CS–101	GEOMETRIC LAYOUT PLAN
22	CS–102	GEOMETRIC LAYOUT PLAN
23	CS–103	GEOMETRIC LAYOUT PLAN
24	CS–104	GEOMETRIC LAYOUT PLAN
25	CS–105	GEOMETRIC LAYOUT PLAN
26	CS–106	GEOMETRIC LAYOUT PLAN
27	CS–301	TYPICAL SECTIONS
28	CG–101	GRADING & DRAINAGE PLAN
29	CG–102	GRADING & DRAINAGE PLAN
30	CG–103	GRADING & DRAINAGE PLAN
31	CG–104	GRADING & DRAINAGE PLAN
32	CG–105	GRADING & DRAINAGE PLAN
33	CG–106	GRADING & DRAINAGE PLAN
34	CP–101	TAXIWAY C4 PLAN & PROFILE
35	CP–102	TAXIWAY C5 PLAN & PROFILE
36	CP–103	TAXIWAY C6 PLAN & PROFILE
37	CP–104	TAXIWAY C8 PLAN & PROFILE
38	CP–105	TAXIWAY C9 PLAN & PROFILE
39	CU–201	STORM DRAIN CONNECTOR PIPE PROFILES
40	CU–501	GRADING AND DRAINAGE DETAILS
41	CU–502	GRADING AND DRAINAGE DETAILS
42	CT–101	AIRFIELD MARKING PLAN
43	CT–102	AIRFIELD MARKING PLAN
44	CT–103	AIRFIELD MARKING PLAN
45	CT–104	AIRFIELD MARKING PLAN
46	CT–105	AIRFIELD MARKING PLAN
47	CT–106	AIRFIELD MARKING PLAN
48	CT–501	AIRFIELD MARKING DETAILS

SHEET INDEX

SHEET NO.	SHEET REF. NO.	SHEET DESCRIPTION
49	EA–001	ELECTRICAL LEGEND, ABBREVIATIONS, AND SHEET INDEX
50	EA–002	ELECTRICAL NOTES
51	ED–101	AIRFIELD ELECTRICAL DEMOLITION PLAN
52	ED–102	AIRFIELD ELECTRICAL DEMOLITION PLAN
53	ED–103	AIRFIELD ELECTRICAL DEMOLITION PLAN
54	ED–104	AIRFIELD ELECTRICAL DEMOLITION PLAN
55	ED–105	AIRFIELD ELECTRICAL DEMOLITION PLAN
56	ED–106	AIRFIELD ELECTRICAL DEMOLITION PLAN
57	EA–101	AIRFIELD LIGHTING AND ELECTRICAL PLAN
58	EA–102	AIRFIELD LIGHTING AND ELECTRICAL PLAN
59	EA–103	AIRFIELD LIGHTING AND ELECTRICAL PLAN
60	EA–104	AIRFIELD LIGHTING AND ELECTRICAL PLAN
61	EA–105	AIRFIELD LIGHTING AND ELECTRICAL PLAN
62	EA–106	AIRFIELD LIGHTING AND ELECTRICAL PLAN
63	EA–501	ELECTRICAL DETAILS – CONDUIT AND GROUNDING
64	EA–502	ELECTRICAL DETAILS – COUNTERPOISE AND GROUNDING
65	EA–503	ELECTRICAL DETAILS – 4'X4'X4' HANDHOLE
66	EA–504	ELECTRICAL DETAILS – JUNCTION CAN
67	EA–505	ELECTRICAL DETAILS – NEW CAST–IN–PLACE CONCRETE BASE FOR AIRFIELD GUIDANCE SIGN
68	EA–506	ELECTRICAL DETAILS – L–858 AIRFIELD GUIDANCE SIGN AND 5KV CABLE SPLICE
69	EA–507	ELECTRICAL DETAILS – ELEVATED TAXIWAY EDGE LIGHT
70	EA–508	ELECTRICAL DETAILS – RUNWAY GUARD LIGHT
71	EA–509	ELECTRICAL DETAILS – IN–PAVEMENT RUNWAY EDGE LIGHT
72	EA–601	AIRFIELD GUIDANCE SIGN SCHEDULE
73	EA–602	AIRFIELD GUIDANCE SIGN SCHEDULE
74	EA–603	EQUIPMENT DATA TABLES
75	EA–604	EQUIPMENT DATA TABLES
76	EA–605	EQUIPMENT DATA TABLES

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10
AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN
ADOT GRANT NUMBER(S): XXX

SHEET OVERVIEW TITLE
QUANTITY SUMMARY AND SHEET INDEX

SHEET REFERENCE NUMBER:
GI-002

N:\2022\221004 – DVT Taxiway C Connectors C4–C10 Design\Dwg\Dwg\ AV31000096_GI–002.dwg – Apr 23,2026 1:16pm

GENERAL NOTES:

1. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL SAFETY REGULATIONS.

2. CONSTRUCTION OF THIS PROJECT SHALL BE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL AVIATION ADMINISTRATION'S (FAA) STANDARDS AND SPECIFICATIONS, ADOT STANDARDS AND SPECIFICATIONS, CITY OF PHOENIX (COP) SUPPLEMENTARY CONDITIONS, COP SUPPLEMENTS, 2020 MAG UNIFORM STANDARD 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 SHALL BE MAINTAINED BY THE CONTRACTOR AND SHALL BE RESTORED TO THEIR ORIGINAL CONDITION UPON COMPLETION OF BEING USED AS A HAUL ROUTE. TAXIWAY AND RUNWAY PAVEMENT CROSSINGS ALONG HAUL ROUTES SHALL BE PROTECTED. FENCING, DRAINAGE, GRADING OR OTHER WORK NECESSARY TO CONSTRUCT HAUL ROUTES ON THE AIRPORT IS THE CONTRACTOR'S RESPONSIBILITY AND MUST BE APPROVED BY THE ENGINEER AND AIRPORT PRIOR TO THE WORK. EXCESS SOILS PLACEMENT – EXCESS SOILS, EXCESS MILLED ASPHALT CONCRETE, CONCRETE, RUBBLE, AND UNSUITABLE EXCAVATION SHALL BE DISPOSED OF OFF–SITE ACCORDING TO LOCAL LAWS AND REGULATIONS. MILLED ASPHALT CONCRETE IS TO BE PLACED IN THE LOCATIONS APPROVED BY THE AIRPORT.

   COSTS ASSOCIATED WITH THE MATERIALS AND TASKS ABOVE ARE CONSIDERED INCIDENTAL TO THE CONTRACT. THE CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO THE COP AVIATION DEPARTMENT INDICATING THE LOCATION AND QUANTITY OF ALL MATERIAL DISPOSED OF OFF AIRPORT PROPERTY.

   ANY REMOVAL ITEMS OF VALUE ARE TO REMAIN THE PROPERTY OF THE COP UNLESS OTHERWISE INDICATED. ALL MATERIAL TO BE HAULED OFF–SITE SHALL BE SAMPLED PRIOR TO HAUL OFF. CONTRACTOR TO COORDINATE WITH COP AVIATION PLANNING AND ENVIRONMENTAL PRIOR TO START OF CONSTRUCTION.

6. SALVAGED ITEMS – ANY SALVAGED ITEMS ARE TO REMAIN THE PROPERTY OF AIRPORT.

7. NO MATERIAL SHALL BE WASTED OR STOCKPILED ON THE AIRPORT UNLESS APPROVED BY THE ENGINEER AND AIRPORT. STOCKPILED MATERIAL SHALL BE CONSTRAINED IN A MANNER TO PREVENT MOVEMENT AS A RESULT OF AIRCRAFT OPERATIONS OR WIND AND IN ACCORDANCE WITH FAA ADVISORY CIRCULARS.

8. CONTRACTOR–GENERATED DEBRIS, WASTE AND LOOSE MATERIAL CAPABLE OF CAUSING DAMAGE TO AIRCRAFT LANDING GEAR, PROPELLERS AND ROTORS OR OF BEING INGESTED BY JET ENGINES SHALL NOT BE LEFT ON ACTIVE MOVEMENT AREAS. MATERIAL DROPPING WITHIN THESE AREAS SHALL BE REMOVED IMMEDIATELY AND CONTINUOUSLY BY THE CONTRACTOR DURING WORKING HOURS.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF ALL COP PROPERTY AND SHALL LOCATE AND PROTECT CAREFULLY FROM DAMAGE OR DISTURBANCE ALL BENCHMARKS, LAND MONUMENTS AND PROPERTY MARKERS. IF DAMAGE OR INJURY TO PROPERTY DOES OCCUR DURING THE WORK, THE CONTRACTOR SHALL RESTORE, AT HIS OWN EXPENSE, SUCH PROPERTY TO A CONDITION SIMILAR OR EQUAL TO THAT EXISTING BEFORE SUCH DAMAGE OR INJURY WAS DONE, BY REBUILDING OR RESTORING AS DIRECTED BY THE COP AVIATION DEPARTMENT AND THE ENGINEER.

10. THE CONTRACTOR IS ADVISED THAT OTHER CONSTRUCTION WILL BE IN PROGRESS DURING ALL OR PART OF THIS PROJECT. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OF OTHER CONTRACTORS AT THE AIRPORT.

11. EXISTING AIRPORT SURVEY MONUMENTS ARE LOCATED THROUGHOUT THE CONSTRUCTION AREA. THE CONTRACTOR SHALL AT HIS EXPENSE, HAVE A REGISTERED LAND SURVEYOR REPLACE ANY DISTURBED MONUMENT USING CITY OF PHOENIX STANDARDS. REPLACED MONUMENTS SHALL BE PLACED AT LEAST 10' BUT NOT MORE THAN 50' FROM THE ORIGINAL MONUMENT.

12. SAFETY AND SECURITY – SAFETY AND SECURITY IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE COORDINATED WITH AIRPORT OPERATIONS, COP AVIATION DEPARTMENT AND THE ENGINEER. SEE SPECIAL CONDITIONS FOR SAFETY, SECURITY, BADGE AND OPERATING REQUIREMENTS IN THE CSPP.

13. THE CONTRACTOR SHALL NOT ENTER ONTO ANY AREA OUTSIDE OF THE CONSTRUCTION LIMITS, STAGING AREA OR DESIGNATED HAUL ROUTES WITHOUT THE WRITTEN APPROVAL BY THE ENGINEER AND AIRPORT.

14. THE CONTRACTOR SHALL NOTIFY THE COP AVIATION DEPARTMENT IN WRITING, THROUGH THE ENGINEER, A MINIMUM OF SEVENTY–TWO (72) HOURS IN ADVANCE TO OBTAIN CLEARANCE FOR WORK. THE CONTRACTOR SHALL SUBMIT A CPM SCHEDULE FOR APPROVAL AT THE PRE–CONSTRUCTION CONFERENCE.

15. THE OWNER RESERVES THE RIGHT TO MAKE REVISIONS TO THE FINISHED ELEVATIONS AND GRADIENTS. IF CHANGES ARE NECESSARY, THE OWNER WILL FURNISH A REVISED GRADING OR PAVING PLAN. UNIT PRICES SHALL GOVERN FOR REVISED QUANTITIES.

16. SPECIFICATIONS ARE PROVIDED WHICH REQUIRE THE CONTRACTOR TO APPLY WATER, CHEMICALS, VEGETATION OR OTHER MATERIALS TO PREVENT THE OCCURRENCE OF DUST WHICH IS OBJECTIONABLE TO THE OPERATIONS OR USERS OF THE AREA. THESE SHALL INCLUDE BUT NOT BE LIMITED TO AIRPORT AUTHORITY OPERATIONS, MAINTENANCE, AIRCRAFT OPERATIONS, AND AIRFIELD OPERATIONS, AND LAND SIDE OPERATIONS. THE CONTRACTOR SHALL ALSO DISCONTINUE OPERATIONS, WHICH VIOLATE EXISTING LAWS AND REGULATIONS OR CREATE A UNIQUE HAZARD TO AIR TRAFFIC. ALL COST FOR CONTROLLING DUST OR POLLUTANTS TO THE AIR OF ANY KIND SHALL BE INCIDENTAL TO THE CONTRACT.

17. EXISTING UTILITY INFORMATION, LIGHTING DUCTS, AND CABLES SHOWN ON THE PLANS CONCERNING THE TYPE, SIZE, AND LOCATION WERE COMPILED BASED ON THE BEST AVAILABLE UTILITY RECORDS TO THE ENGINEER AND AIRPORT, AND ARE APPROXIMATE. THE CONTRACTOR SHALL PROVIDE A UTILITY LOCATOR AND VERIFY THE ACTUAL LOCATION PRIOR TO CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL EXISTING UTILITIES IN PLACE UNLESS NOTED OTHERWISE OR SPECIFIED. THE OWNER AND ENGINEER BEAR NO RESPONSIBILITY FOR UTILITIES NOT SHOWN ON THE PLANS OR NOT IN THE LOCATION SHOWN ON THE PLANS. ANY AND ALL DAMAGE TO EXISTING UTILITIES SHALL BE COVERED AT THE CONTRACTOR'S EXPENSE. EXCAVATION IMMEDIATELY NEAR UTILITIES SHALL BE DONE BY HAND. UTILITIES INTERFERING WITH CONSTRUCTION SHALL BE RESET OR RELOCATED BY THE UTILITY COMPANY CONCERNED UNLESS NOTED OTHERWISE. CONTRACTOR SHALL CONTACT THE FOLLOWING UTILITY COMPANIES AT LEAST SEVENTY–TWO (72) HOURS PRIOR TO BEGINNING CONSTRUCTION:

18.

ARIZONA PUBLIC SERVICE	(602) 371–6451	CONTACT: DON CROWDER
FAA FACILITIES	(602) 305–2532	CONTACT: ROGER GUSTAFSON
CENTURY LINK	(602) 530–0496	CONTACT: JOHN O'DELL
GAS (SW GAS)	(602) 484–5344	CONTACT: NORMA JARDIN
CITY WATER/SEWER	(602) 261–8229	CONTACT: JAMI ERICKSON
COP ENVIRONMENTAL	(602) 273–3396	CONTACT: REBECCA GODLEY
ALL EMERGENCY, FIRE, POLICE, MEDICAL,	911	
NON–EMERGENCY	(623) 869–0977	CONTACT: OPERATOR
COP ELECTRICAL	(602) 339–7733	CONTACT: ROBERT ARTHUR
COP COMMUNICATIONS	(602) 708–0244	CONTACT: CHAD BLOTKAMP
COP UTILITIES	(602) 708–0244	CONTACT: CHAD BLOTKAMP

19. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT ALL UTILITY OWNERS AND THE PROGRAM MANAGER TO LOCATE ALL EXISTING AND PROPOSED UTILITIES PRIOR TO PERFORMING TRENCHING, MASS EXCAVATION, OR OTHER EARTHWORK.

20. SEVERAL UTILITY OWNERS INCLUDING THE COP AVIATION DEPARTMENT, SOLID WASTE MANAGEMENT DEPARTMENT, HUMAN SERVICES DEPARTMENT, FEDERAL AVIATION ADMINISTRATION, AND OTHERS ARE NOT MEMBERS OF THE BLUE STAKE CENTER NOTIFICATION SYSTEM AND MUST BE NOTIFIED INDIVIDUALLY. CONTRACTOR TO USE A THIRD PARTY UTILITY LOCATOR.

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

22. POWER, CONTROL CABLES AND FIXTURES FOR AIRFIELD LIGHTING AND NAVIGATIONAL AIDS ARE LOCATED IN THE CONSTRUCTION AREAS. THE CONTRACTOR'S PERSONNEL SHALL BECOME FAMILIAR WITH THESE CABLE AND FIXTURE LOCATIONS AND KEEP VEHICLES AND EQUIPMENT CLEAR OF THEM AT ALL TIMES. ADHERENCE TO AVIATION LOCKOUT/TAGOUT PROCEDURES SHALL BE STRICTLY ENFORCED.

23. ANY DAMAGE TO THE EXISTING AIRPORT LIGHTING SYSTEM CAUSED BY CONSTRUCTION OPERATIONS SHALL BE IMMEDIATELY NOTED TO THE OWNER AND REPAIRED BY THE CONTRACTOR AT ITS OWN EXPENSE.

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

25. THE CONTRACTOR SHALL NOT DRAW WATER FROM ANY FIRE HYDRANT FOR USE ON THE WORK WITHOUT FIRST OBTAINING A WRITTEN PERMIT FROM THE CONTROLLING FIRE DEPARTMENT.

26. THE CONTRACTOR WILL BE REQUIRED TO COORDINATE WITH THE COP AVIATION DEPARTMENT ON THE PRECISE LOCATION AND LIMITS OF THE STAGING AREA, AS WELL AS ANY SPECIAL REQUIREMENTS FOR FENCING, SECURITY OR ACCESS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL UTILITIES AND HOOKUPS NECESSARY FOR THE CONTRACTOR'S USE AND FOR ALL PROJECT FIELD OFFICES AS REQUIRED IN THE SPECIAL PROVISIONS.

27. THE EXACT LIMITS, LIGHTING, AND SECURITY REQUIREMENTS OF THE CONTRACTOR'S STAGING AND STORAGE AREA SHALL BE ESTABLISHED BY THE CONTRACTOR WITH THE APPROVAL OF THE ENGINEER AND AIRPORT IN THE AREAS GENERALLY AS SHOWN ON THE PLANS. ANY AND ALL REQUIRED UTILITIES FOR THE CONTRACTOR'S OPERATIONS SHALL BE ARRANGED FOR AND PAID FOR BY THE CONTRACTOR AND PAID DIRECTLY TO THE APPROPRIATE UTILITY. UTILITY ARRANGEMENTS SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER AND AIRPORT. THE CONTRACTOR SHALL USE THE STORAGE AND STAGING AREAS SHOWN ON THE PLANS FOR HIS/HER SHOP, MATERIAL AND EQUIPMENT STORAGE AND OTHER PROJECT RELATED ACTIVITIES, INCLUDING EMPLOYEE PARKING. ALL COSTS ASSOCIATED WITH PREPARING THE STORAGE AND STAGING AREA SITE SHALL BE BORNE BY THE CONTRACTOR. THIS INCLUDES BUT IS NOT LIMITED TO CLEARING AND GRADING OF THE SITE, CONSTRUCTION OF ALL TEMPORARY UTILITIES, ACCESS ROADS, ALL SECURITY FENCING, CLEAN–UP AND RESTORATION OF SITE TO ORIGINAL CONDITION.

28. THE CONTRACTOR SHALL SUBMIT A DRAWING SHOWING THE PROPOSED SITE LAYOUT OF ANY BATCH PLANTS. THE PLAN SHALL BE APPROVED BY THE ENGINEER AND AIRPORT PRIOR TO STARTING ANY WORK AT THE CONTRACTOR'S STAGING AREA.

29. THE CONTRACTOR SHALL INVESTIGATE THE AVAILABILITY OF AN ADEQUATE SUPPLY OF SUITABLE WATER, MAKE ALL ARRANGEMENTS (PERMITS) FOR THE PURCHASE OF THE WATER, AND PROVIDE NECESSARY FACILITIES TO FURNISH WATER FOR USE DURING CONSTRUCTION, SOLELY AT HIS EXPENSE.

30. BATCH PLANT SITES AND OTHER AREAS USED DURING CONSTRUCTION ARE TO BE RESTORED TO THEIR ORIGINAL CONDITION UPON COMPLETION OF THE PROJECT AT NO COST TO THE OWNER.

31. THE CONTRACTOR SHALL COMPLETE CLEAN UP AND RESTORATION OF ENTIRE PROJECT AREA, INCLUDING STAGING AND STORAGE AREAS, AS APPROVED BY THE ENGINEER AND AIRPORT WITHIN 10 DAYS OF CONTRACT COMPLETION DATE.

32. THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY ELECTRICAL TIE–OVERS THAT WILL BE REQUIRED TO KEEP TAXIWAY EDGE LIGHTS AND SIGNS IN OPERATION AT ALL TIMES WHEN THE PAVEMENT AREAS ARE AVAILABLE TO AIRCRAFT TRAFFIC.

33. THE CONTRACTOR SHALL CONDUCT THE FINAL CLEANING OF AFFECTED AIRPORT PAVEMENTS PRIOR TO REOPENING THE PAVEMENTS TO AIR TRAFFIC. CONTRACTOR TO PROTECT ALL EXISTING UTILITY VAULTS AND LIDS DURING CONSTRUCTION. CONTRACTOR SHALL ENSURE THAT ALL VAULT LIDS ARE OPERATIONAL FOLLOWING COMPLETION OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR CONTINUOUS DAILY CLEAN UP OF HIS/HER WORK AREA. THE CONTRACTOR SHALL CONDUCT POWER VACUUM CLEANING OF AFFECTED AIRPORT PAVEMENTS PRIOR TO REOPENING EACH PHASE OF THE PAVEMENTS TO AIR TRAFFIC, AND FOR ACTIVE TAXIWAYS AND RUNWAYS IMMEDIATELY FOLLOWING ANY ACCESS ONTO OR CROSSING OF THE PAVEMENT BY CONSTRUCTION TRAFFIC.

34. THE CONTRACTOR IS REQUIRED TO PROVIDE LIGHTING FOR CONSTRUCTION DURING THE HOURS OF DARKNESS AS REQUIRED TO PERFORM CONSTRUCTION AND RELATED ACTIVITIES. COSTS FOR LIGHTING SHALL BE INCIDENTAL TO THE CONTRACT.

35. THE CONTRACTOR'S SUPERINTENDENT SHALL BE ON THE CONSTRUCTION SITE AT ALL TIMES DURING WORKING HOURS WHILE THIS PROJECT IS IN PROGRESS. THE CONTRACTOR'S SUPERINTENDENT SHALL BE THE DESIGNATED RESPONSIBLE CONTRACTOR REPRESENTATIVE AND SHALL BE AVAILABLE IN CASE OF EMERGENCIES ON A 24–HOUR DAILY BASIS.

36. MOST CONSTRUCTION WORK IN THIS PROJECT WILL OCCUR WITHIN THE AIR OPERATIONS AREA (AOA) AND IS SUBJECT TO OPERATIONAL SAFETY AND SECURITY REQUIREMENTS OF THE COP AND FAA. ANY ADDITIONAL REQUIREMENTS AS MAY BE DEEMED NECESSARY BY THE COP OR THE FAA WILL BE COMPLIED WITH BY THE CONTRACTOR AT NO COST TO THE OWNER.

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

38. ROADS USED AS CONTRACTOR ROUTES MAY BE USED BY OTHER AIRPORT VEHICLES. THE CONTRACTOR SHALL NOT INTERFERE WITH OTHER VEHICLE TRAFFIC AND SHALL YIELD TO EMERGENCY VEHICLES ALONG ANY OF THE AIRPORT OR PUBLIC ROADS.

39. EACH CONTRACTOR/SUBCONTRACTOR, INCLUDING EACH CONTRACTOR/SUBCONTRACTOR EMPLOYEE, WHO OPERATES A GROUND VEHICLE ON ANY PORTION OF THE AOA AT THE AIRPORT MUST BE FAMILIAR WITH:

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

39. ALL CONTRACTOR VEHICLES, INCLUDING HAULING VEHICLES, CONSTRUCTION EQUIPMENT (IE. ROLLERS. BACKHOES, SCRAPERS, ETC.) THAT ARE AUTHORIZED TO OPERATE ON THE AIRPORT WITHIN THE DESIGNATED LIMITS OF CONSTRUCTION OR HAUL ROUTES, SHALL DISPLAY IN FULL VIEW ABOVE THE VEHICLE A 3'X3' OR LARGER ORANGE AND WHITE CHECKERBOARD FLAG, EACH CHECKERBOARD COLOR BEING 1' SQUARE, WHEN OPERATING DURING PERIODS OF DARKNESS OR LIMITED VISIBILITY, CONTRACTOR'S VEHICLES SHALL BE EQUIPPED WITH ROTATING OR FLASHING AMBER LIGHTS. DURING SUCH PERIODS, HAULING VEHICLES NOT SO EQUIPPED SHALL BE ESCORTED BY A VEHICLE SO SUPPLIED.

40. ALL VEHICLES AND EQUIPMENT SHALL BE KEPT WITHIN THE WORK AREAS ESTABLISHED FOR EACH WORKSHIFT UNLESS TRAVELING TO OR FROM THE SITE. ALL VEHICLES AND EQUIPMENT SHALL BE PARKED IN STAGING AREAS AS APPROVED BY THE ENGINEER AND AIRPORT.

41. CONTRACTOR SHALL PROVIDE TRAINED FLAGMEN TO COORDINATE AND CONTROL CONSTRUCTION TRAFFIC WHEN OPERATING ACROSS ANY ACTIVE TAXIWAY. FLAGMEN SHALL BE EQUIPPED WITH RADIOS ON GROUND CONTROL FREQUENCY AND SHALL ALLOW TRAFFIC CROSSINGS ON ACTIVE TAXIWAYS AND RUNWAYS ONLY UPON SPECIFIC AUTHORIZATION BY AIR TRAFFIC CONTROL. FLAGMEN SHALL ALSO BE PROVIDED FOR CONTROLLING EQUIPMENT ENTERING AND LEAVING THE PROJECT AREA.

42. THE CONTRACTOR SHALL AT NO TIME CROSS AN ACTIVE RUNWAY OR TAXIWAY UNLESS ESCORTED BY A COP RADIO ESCORT. VIOLATION COULD RESULT IN PERMANENT EJECTION FROM THE AIRPORT PROPERTY AND/OR THE ASSESSMENT OF FINES.

43. CONTRACTOR ACCESS GATE SHALL BE MANNED BY A CONTRACTOR SUPPLIED GATE GUARD OR REMAIN LOCKED AT ALL TIMES (WHEN NOT OCCUPIED). APPROVED GATE GUARD SHALL CONTROL ACCESS TO ALLOW ONLY AUTHORIZED CONSTRUCTION TRAFFIC TO ENTER THE SITE.

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

45. ALL SURFACE RUNOFF FROM THE STAGING AREA OR THE AREAS UNDER CONSTRUCTION SHALL BE COLLECTED AND ADEQUATELY FILTERED BEFORE DISCHARGE INTO THE EXISTING DRAINAGE SYSTEM. CONTRACTOR SHALL MITIGATE THE IMPACTS OF RUNOFF FROM THE SITE IN CONFORMANCE WITH THE SPECIFICATIONS.

46. NO ADJUSTMENT FOR ADDITIONAL COMPENSATION AND TIME WILL BE MADE FOR TIME LOST IN WORK AREAS CONTIGUOUS TO TAXIWAYS AND RUNWAYS DUE TO AIRCRAFT TRAFFIC.

47. CONTRACTOR SHALL NOTE IN THE RECORD DRAWINGS ANY AND ALL PIPES, DUCTS AND CABLES FOUND DURING EXCAVATION. INDICATE EXACT POSITION, ELEVATION, DIRECTION, SIZE, MATERIAL, PURPOSE AND ACTIVE STATUS, IF KNOWN.

48. ANY PAINT USED FOR NEW PAVEMENT MARKINGS SHALL BE LEAD FREE CERTIFIED. CONTRACTOR TO PROVIDE SAFETY DATA SHEET TO THE AIRPORT FOR APPROVAL PRIOR TO CONSTRUCTION.

49. BEFORE ANY WORK COMMENCES, AN ASBESTOS AND LEAD SURVEY NEEDS TO BE COMPLETED. THE CONTRACTOR SHALL CONTACT CITY OF PHOENIX AVIATION DEPT PROJECT MANAGER 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 CITY OF PHOENIX AVIATION DEPT PROJECT MANAGER FOR ANY SUBSURFACE MATERIALS FOUND DURING CONSTRUCTION. CONTRACTOR SHALL ASSUME ALL SUSPECT MATERIALS CONTAIN ASBESTOS (ANYTHING OTHER THAN UNPAINTED WOOD, METAL, OR GLASS) UNLESS OTHERWISE NOTIFIED.

50. IF SOIL IS TO BE REMOVED FROM THE AIRPORT, THEN PRIOR TO ANY WORK COMMENCING, SOIL SAMPLING NEEDS TO BE COMPLETED. THE CONTRACTOR SHALL CONTACT CITY OF PHOENIX AVIATION DEPT PROJECT MANAGER APPROXIMATELY 3–4 WEEKS PRIOR TO CONSTRUCTION ACTIVITIES TO HAVE THE SOIL SAMPLING COMPLETED. THE SOIL SHALL BE SAMPLED BY COP ENVIRONMENTAL ON–CALL CONSULTANTS WITH ASSISTANCE FROM THE CONTRACTOR. CONTRACTOR SHALL PROVIDE BARRICADES, COMMUNICATE WITH OPERATIONS AND REPLACE THE CORED AREA AFTER SAMPLING IS COMPLETE PER AIRPORT SPECIFICATIONS.

51. THE PROJECT WILL DISTURB MORE THAN 1/10 OF AN ACRE. THE CONTRACTOR SHALL OBTAIN A MARICOPA COUNTY DUST CONTROL PERMIT PRIOR TO CONSTRUCTION.

52. THE CONTRACTOR SHALL OBTAIN A CONSTRUCTION GENERAL PERMIT FROM ADEQ AND IMPLEMENT A STORM WATER POLLUTION PREVENTION PLAN (SWPPP). THE SWPPP SHALL BE SUBMITTED TO COP AIRPORT ENVIRONMENTAL FOR REVIEW AND APPROVAL PRIOR TO IMPLEMENTATION.

53. ANY WASTE OR CONSTRUCTION DEBRIS MUST BE DISPOSED OF PROPERLY. THE DISPOSAL OF MATERIAL OFF–SITE SHALL BE DONE IN A LAWFUL MANNER AND AT A SITE HAVING CURRENT APPROVAL TO ACCEPT SOLID WASTE FOR DISPOSAL.

54. CONTRACTOR TO OBTAIN PERMIT FROM THE WATER DEPARTMENT TO ACCESS STORM DRAINS, STORM DRAIN MANHOLES, AND SANITARY SEWER MANHOLES IF REQUIRED.

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

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

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10
AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

ADOT GRANT NUMBER(S): XXX

SHEET OVERVIEW TITLE: GENERAL NOTES

SHEET REFERENCE NUMBER: GI-003

SHEET 03 OF 76

N:\2022\221004 – DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\ AV31000096–GI–003.dwg – Apr 29,2026 1:16pm

LEGEND

DESCRIPTION	EXISTING	PROPOSED
CONCRETE SIGN BASE		
TAXIWAY EDGE LIGHT		
ELECTRICAL CAN COVER		
RUNWAY GUARD LIGHT		
SANITARY SEWER AND MANHOLE	S SS$_X$	S SS
STORM DRAIN, MANHOLE & INLET	SD	
RUNWAY/TAXIWAY CENTERLINE		
CHAIN LINK FENCE	X	X
MAJOR CONTOUR LINES	1125	1125
MINOR CONTOUR LINES		
FIBER OPTIC	FO	FO
GRADE BREAK		
FLOW LINE		
APS MANHOLE		APS
MONITORING WELL	MW	MW
WATER LINE	W$_X$	W
COMMUNICATION	CU$_X$	CU
GAS LINE	G$_X$	G
FAA		
ELECTRICAL	EU$_X$	EU
RUNWAY SAFETY AREA	RSA	RSA
TAXIWAY SAFETY AREA	TSA	TSA
RUNWAY PROTECTION ZONE		RPZ
TAXIWAY OBJECT FREE AREA		TOFA
RUNWAY OBJECT FREE AREA		ROFA
RUNWAY OBSTACLE FREE ZONE		ROFZ
PROTECT IN PLACE NOTE		1
ADJUSTMENT OR REMOVAL NOTE		1
CONSTRUCTION NOTE		1
SWPPP NOTE		1
PAVEMENT MARKING NOTE		1
SPOT ELEVATION	XX.XX	XX.XX
SPOT ELEVATION–CATCH BASIN GRATE		XX.XXG
SAWCUT FULL DEPTH		S
RUNWAY THRESHOLD LIGHT		
RUNWAY EDGE LIGHT		
FLUSH RUNWAY/TAXIWAY LIGHT		
RUNWAY END IDENTIFIER LIGHT		
SIGN		
LIGHT		
DUCT MARKER		
WIND SOCK		

ABBREVIATIONS

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

ABBREVIATIONS

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

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

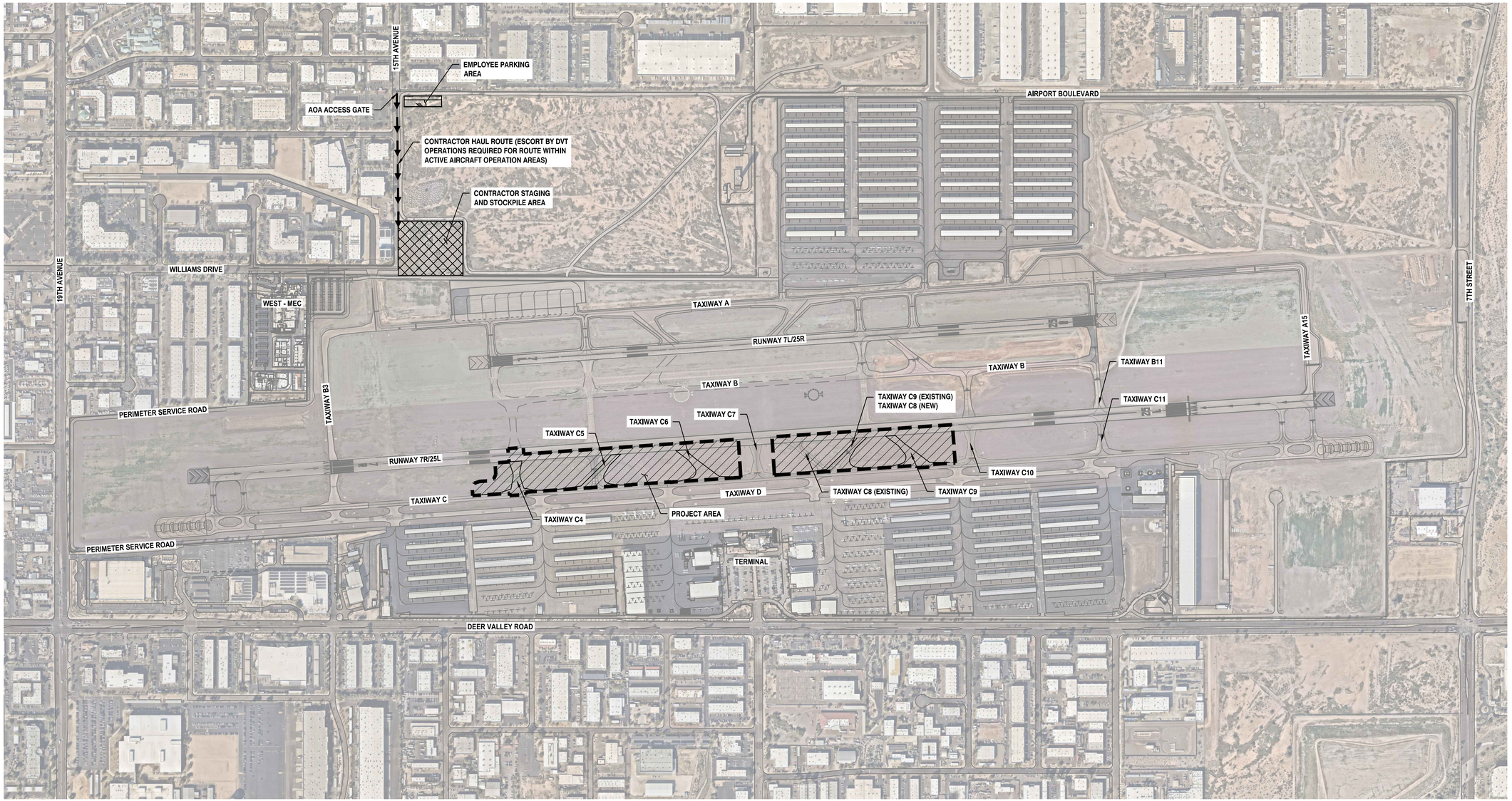
ADOT GRANT NUMBER(S):
XXX

SHEET OVERVIEW TITLE
LEGEND AND ABBREVIATIONS

SHEET REFERENCE NUMBER:
GI-004

SHEET 04 OF 76

N:\2022\221004 – DVT Taxiway C Connectors C4–C10 Design\Dwg\Dwg\ AV31000096–GI–004.dwg – Apr 29,2026 1:16pm



LEGEND

- CONTRACTOR HAUL ROUTE
- CONTRACTOR STAGING/STOCKPILE AREA
- PROJECT 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 STOCKPILE AREA, THE LIMITS OF THE EMPLOYEE PARKING AND TEMPORARY FENCING WITH DVT PRIOR TO CONSTRUCTION.
3. CONTRACTOR CAN ACCESS THE SITE USING THE AOA GATE ON 15TH AVENUE BETWEEN WEST PARKSIDE LANE AND WEST KNUDSEN DRIVE. 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 TECHNICAL SPECIAL PROVISION ITEM 41 AIRPORT SAFETY AND SECURITY (M-003) PRIOR TO ANY HAULING ACTIVITIES.

N

0 400' 800'

SCALE:1"=400'

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

90% SUBMITTAL

PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT

DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

ADOT GRANT NUMBER(S): XXX

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

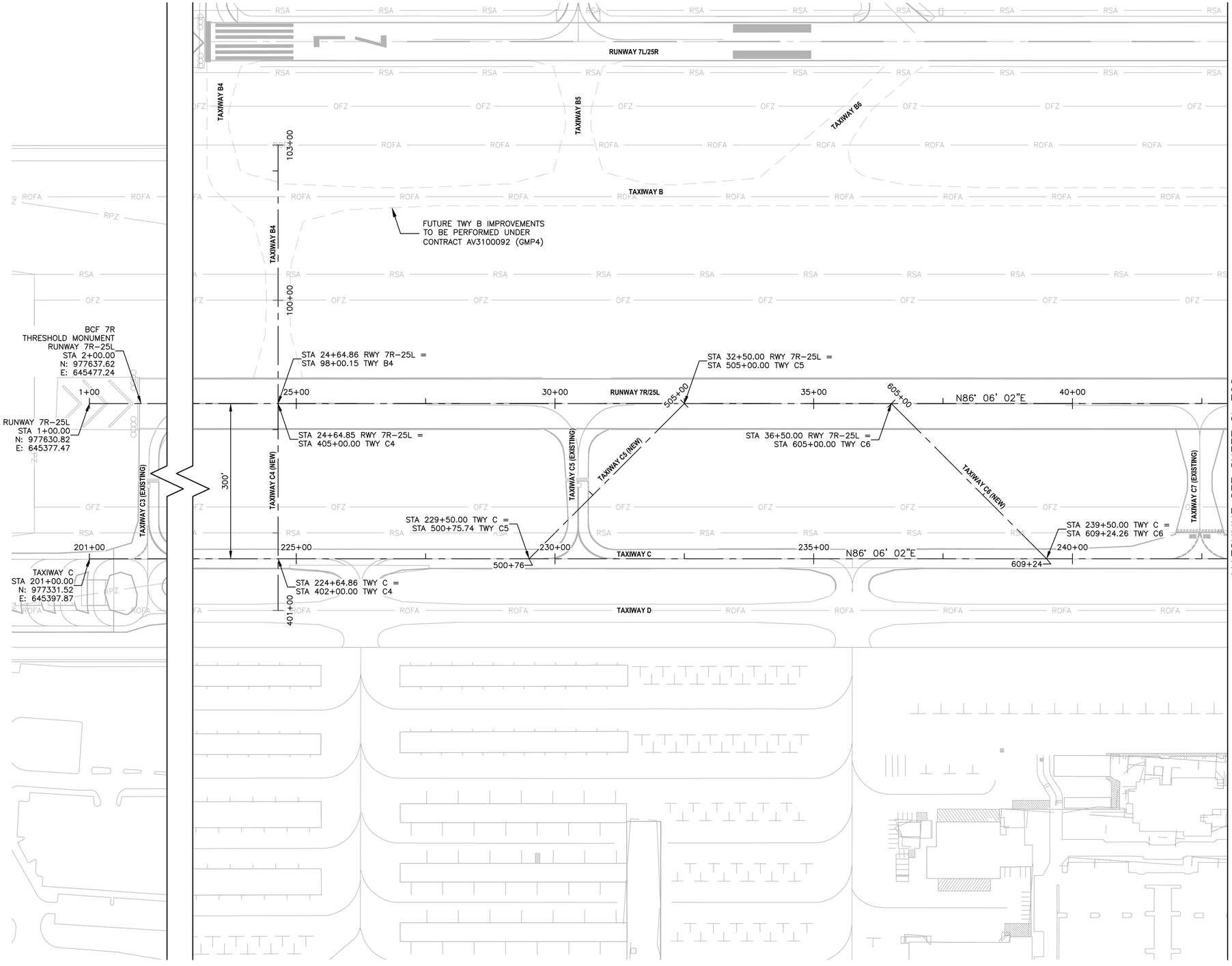
SHEET OVERVIEW TITLE

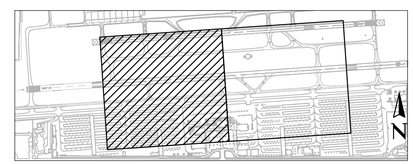
PROJECT LAYOUT PLAN

SHEET REFERENCE NUMBER:
GI-401

SHEET 05 OF 76

N:\2022\221004 - DVT Taxiway C Connectors C4-C10 Design\Dwg\Pwg\ AV31000096-GI-401.dwg - Apr 29,2026 1:16pm





KEY MAP

N

0 100' 200'

SCALE:1"=100'

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT
CITY OF PHOENIX AVIATION DEPARTMENT

DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

ADOT GRANT NUMBER(S): XXX

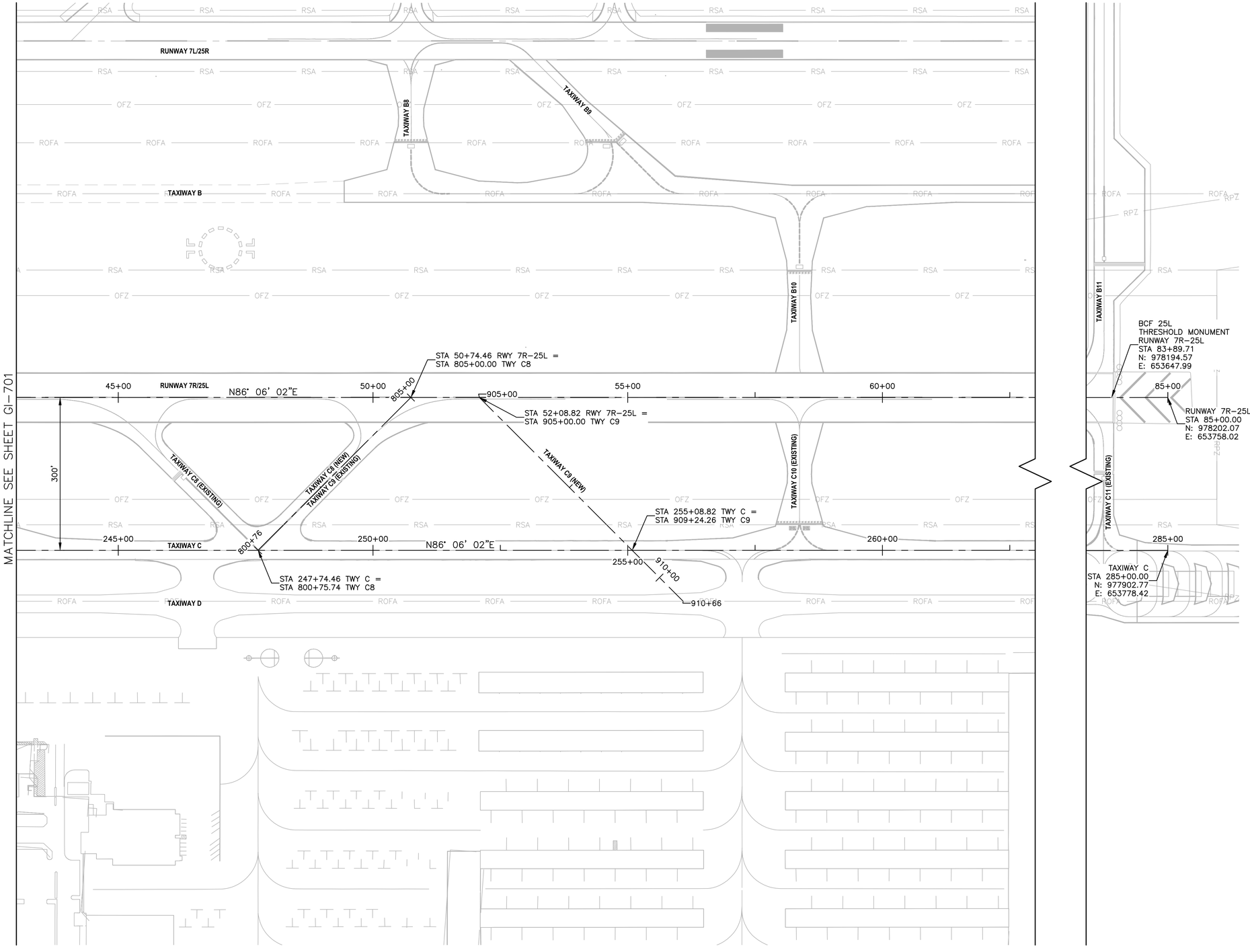
SHEET OVERVIEW TITLE

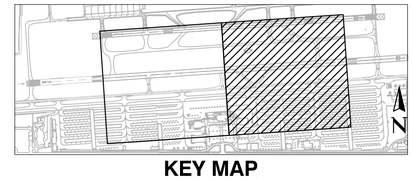
ALIGNMENT PLAN

SHEET REFERENCE NUMBER:
GI-701

SHEET 06 OF 76

N:\2022\221004 – DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\ AV31000096-GI-701.dwg – Apr 29,2026 1:16pm





KEY MAP

N

0 100' 200'

SCALE:1"=100'

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

90% SUBMITTAL

PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR

CITY OF PHOENIX AVIATION DEPARTMENT

DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

ADOT GRANT NUMBER(S):
XXX

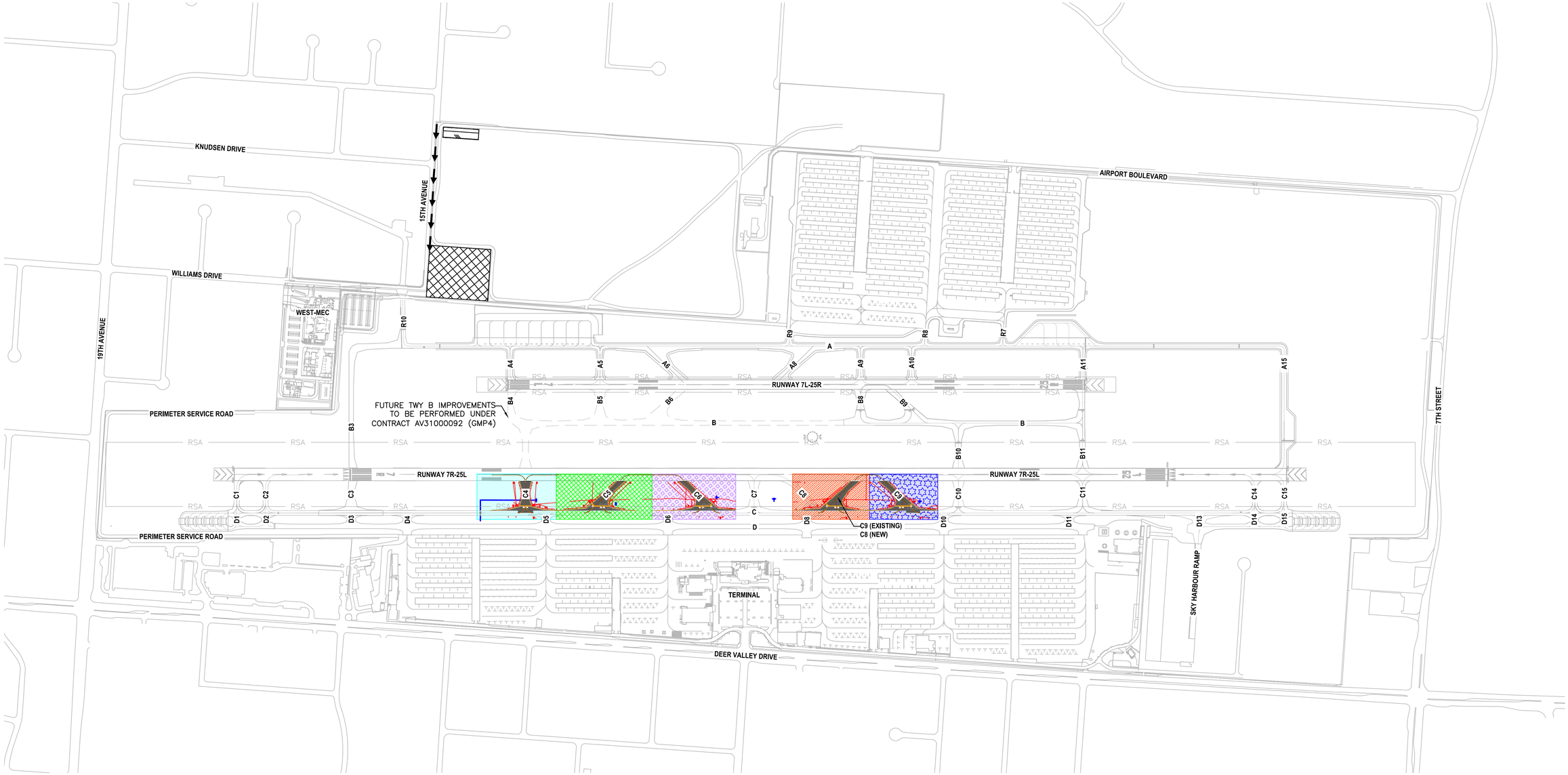
SHEET OVERVIEW TITLE

ALIGNMENT PLAN

SHEET REFERENCE NUMBER:
GI-702

SHEET 07 OF 76

N:\2022\221004 - DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\ AV31000096-GI-702.dwg - Apr 29,2026 1:16pm



GENERAL NOTES:

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

LEGEND

- PHASE 1
- PHASE 2
- PHASE 3
- PHASE 4
- PHASE 5
- CONTRACTOR STAGING/STOCKPILE AREA
- EMPLOYEE PARKING AREA
- HAUL ROUTE

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

N

0 400' 800'

SCALE:1"=400'

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

SUB CONSULTANT

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT

DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by:	AS
Drawn by:	TH
Checked by:	GS
Date:	04/27/2026
Dwg scale:	AS SHOWN

ADOT GRANT NUMBER(S): XXX

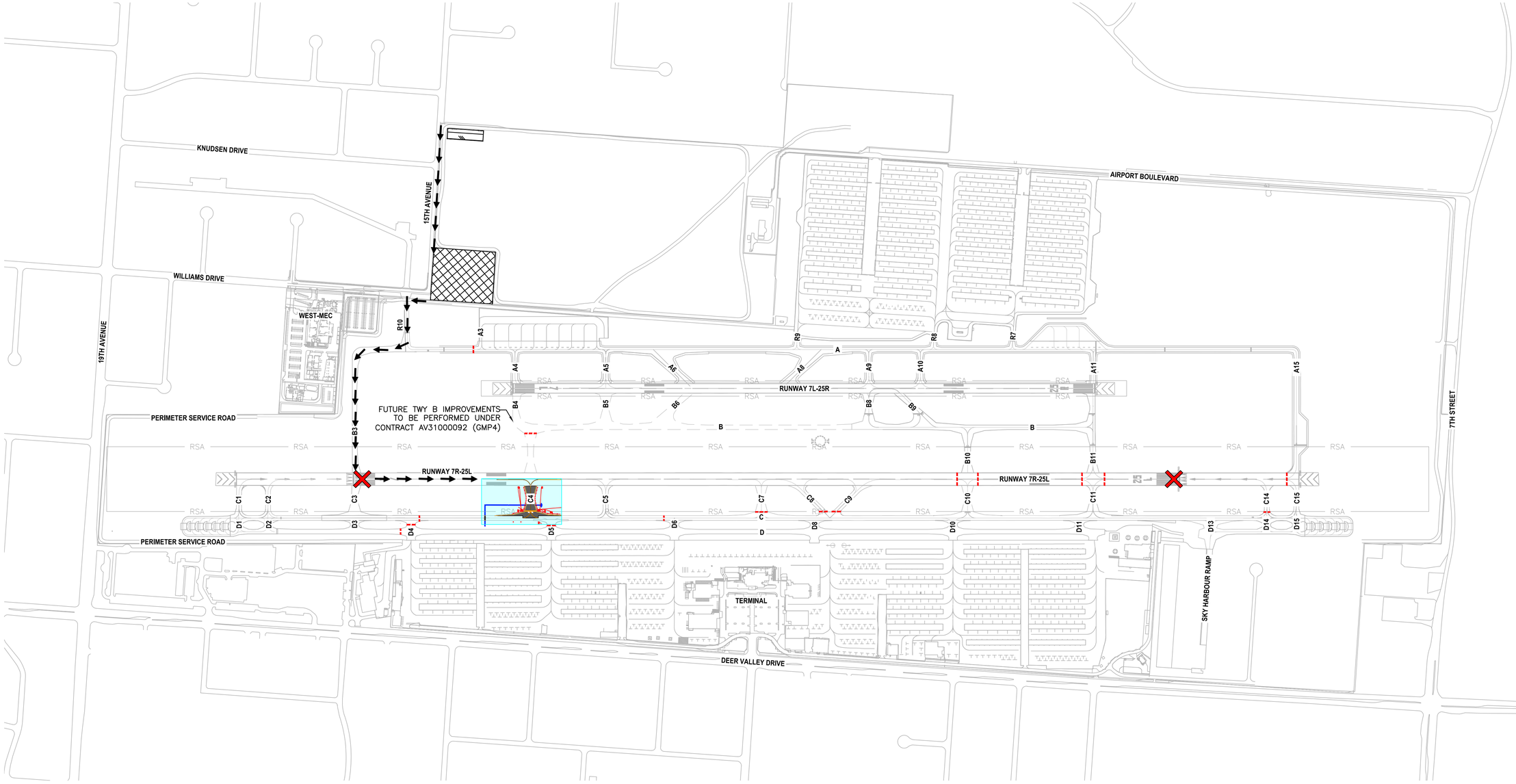
SHEET OVERVIEW TITLE

CONSTRUCTION SAFETY & PHASING PLAN

SHEET REFERENCE NUMBER:
GC-101

SHEET 08 OF 76

N:\2022\221004 - DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\ AV31000096-GC-101.dwg - Apr 29,2026 1:17pm



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

AREAS CLOSED TO AIRCRAFT OPERATIONS:
RUNWAY 7R–25L CLOSED NIGHTLY.
TAXIWAY A WEST OF TAXILANE A3 CLOSED NIGHTLY.
TAXIWAY B3 CLOSED NIGHTLY.
TAXIWAY B4 SOUTH OF TAXIWAY B CLOSED NIGHTLY.
TAXIWAY C WEST OF TAXIWAY D6 CLOSED NIGHTLY.
TAXIWAY C BETWEEN TAXIWAY D4 AND TAXIWAY C5 CLOSED.
TAXIWAY C7 CLOSED NIGHTLY.
TAXIWAY C8 CLOSED NIGHTLY.
TAXIWAY C9 CLOSED NIGHTLY.
TAXIWAY C14 CLOSED NIGHTLY.
TAXIWAY D WEST OF TAXIWAY D4 CLOSED NIGHTLY.
TAXIWAY D5 CLOSED.
RAMP 10 CLOSED NIGHTLY.

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

ARFF ACCESS ROUTES:
THERE IS NO ARFF AT DVT. EMERGENCY ACCESS ROUTES MUST BE MAINTAINED.

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

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

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

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

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

LEGEND

- PHASE 1
- CONTRACTOR STAGING/STOCKPILE AREA
- EMPLOYEE PARKING AREA
- LOW PROFILE BARRICADES AT 10 FT SPACING
- RUNWAY CLOSURE MARKER
- HAUL ROUTE

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

N

0 400' 800'

SCALE:1"=400'

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

SUB CONSULTANT

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT

DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

ADOT GRANT NUMBER(S):
XXX

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

SHEET OVERVIEW TITLE

CONSTRUCTION SAFETY & PHASING PLAN - PHASE 1

SHEET REFERENCE NUMBER:
GC-102

SHEET 09 OF 76

N:\2022\221004 – DVT Taxiway C Connectors C4–C10 Design\Dwg\Dwg\ AV31000096–GC–102.dwg – Apr 29,2026 1:17pm



PHASE 2 ELEMENTS:
PHASE 2 ACTIVITIES GENERALLY CONSIST OF PAVEMENT SAWCUT, PAVEMENT REMOVAL, PAVEMENT MARKING REMOVAL, GRADING AND EARTHWORK, SUBGRADE PREPARATION, PAVING OPERATIONS, EXCAVATION FOR AND INSTALLATION OF PIPE AND STORM DRAIN STRUCTURES, EXCAVATION FOR AND INSTALLATION OF AIRFIELD ELECTRICAL INFRASTRUCTURE, LIGHTING AND SIGNAGE.

AREAS CLOSED TO AIRCRAFT OPERATIONS:
RUNWAY 7R–25L CLOSED NIGHTLY.
TAXIWAY A WEST OF TAXILANE A3 CLOSED NIGHTLY.
TAXIWAY B3 CLOSED NIGHTLY.
TAXIWAY B4 SOUTH OF TAXIWAY B CLOSED NIGHTLY.
TAXIWAY C WEST OF TAXIWAY D4 CLOSED NIGHTLY.
TAXIWAY C BETWEEN TAXIWAY D5 AND TAXIWAY D6 CLOSED NIGHTLY.
TAXIWAY C4 CLOSED NIGHTLY.
TAXIWAY C7 CLOSED NIGHTLY.
TAXIWAY C8 CLOSED NIGHTLY.
TAXIWAY C9 CLOSED NIGHTLY.
TAXIWAY C14 CLOSED NIGHTLY.
TAXIWAY D WEST OF TAXIWAY D4 CLOSED NIGHTLY.
RAMP 10 CLOSED NIGHTLY.

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

ARFF ACCESS ROUTES:
THERE IS NO ARFF AT DVT. EMERGENCY ACCESS ROUTES MUST BE MAINTAINED.

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

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

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

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

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

LEGEND

- PHASE 2
- CONTRACTOR STAGING/STOCKPILE AREA
- EMPLOYEE PARKING AREA
- LOW PROFILE BARRICADES AT 10 FT SPACING
- RUNWAY CLOSURE MARKER
- HAUL ROUTE

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

N

0 400' 800'

SCALE:1"=400'

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

SUB CONSULTANT

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

ADOT GRANT NUMBER(S):
XXX

SHEET OVERVIEW TITLE
CONSTRUCTION SAFETY & PHASING PLAN - PHASE 2

SHEET REFERENCE NUMBER:
GC-103

SHEET 10 OF 76

N:\2022\221004 - DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\ AV31000096-GC-103.dwg - Apr 29,2026 1:17pm



PHASE 3 ELEMENTS:
PHASE 3 ACTIVITIES GENERALLY CONSIST OF PAVEMENT SAWCUT, PAVEMENT REMOVAL, PAVEMENT MARKING REMOVAL, GRADING AND EARTHWORK, SUBGRADE PREPARATION, PAVING OPERATIONS, EXCAVATION FOR AND INSTALLATION OF PIPE AND STORM DRAIN STRUCTURES, EXCAVATION FOR AND INSTALLATION OF AIRFIELD ELECTRICAL INFRASTRUCTURE, LIGHTING AND SIGNAGE.

AREAS CLOSED TO AIRCRAFT OPERATIONS:
RUNWAY 7R–25L CLOSED NIGHTLY.
TAXIWAY A WEST OF TAXILANE A3 CLOSED NIGHTLY.
TAXIWAY B3 CLOSED NIGHTLY.
TAXIWAY B4 SOUTH OF TAXIWAY B CLOSED NIGHTLY.
TAXIWAY C WEST OF TAXIWAY D4 CLOSED NIGHTLY.
TAXIWAY C BETWEEN TAXIWAY D5 AND TAXIWAY D8 CLOSED NIGHTLY.
TAXIWAY C4 CLOSED NIGHTLY.
TAXIWAY C8 CLOSED NIGHTLY.
TAXIWAY C9 CLOSED NIGHTLY.
TAXIWAY C14 CLOSED NIGHTLY.
TAXIWAY D WEST OF TAXIWAY D4 CLOSED NIGHTLY.
TAXIWAY D6 CLOSED NIGHTLY.
RAMP 10 CLOSED NIGHTLY.

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

ARFF ACCESS ROUTES:
THERE IS NO ARFF AT DVT. EMERGENCY ACCESS ROUTES MUST BE MAINTAINED.

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

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

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

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

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

LEGEND

- PHASE 3
- CONTRACTOR STAGING/STOCKPILE AREA
- EMPLOYEE PARKING AREA
- LOW PROFILE BARRICADES AT 10 FT SPACING
- RUNWAY CLOSURE MARKER
- HAUL ROUTE

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

N

0 400' 800'

SCALE:1"=400'

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

SUB CONSULTANT

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10
AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

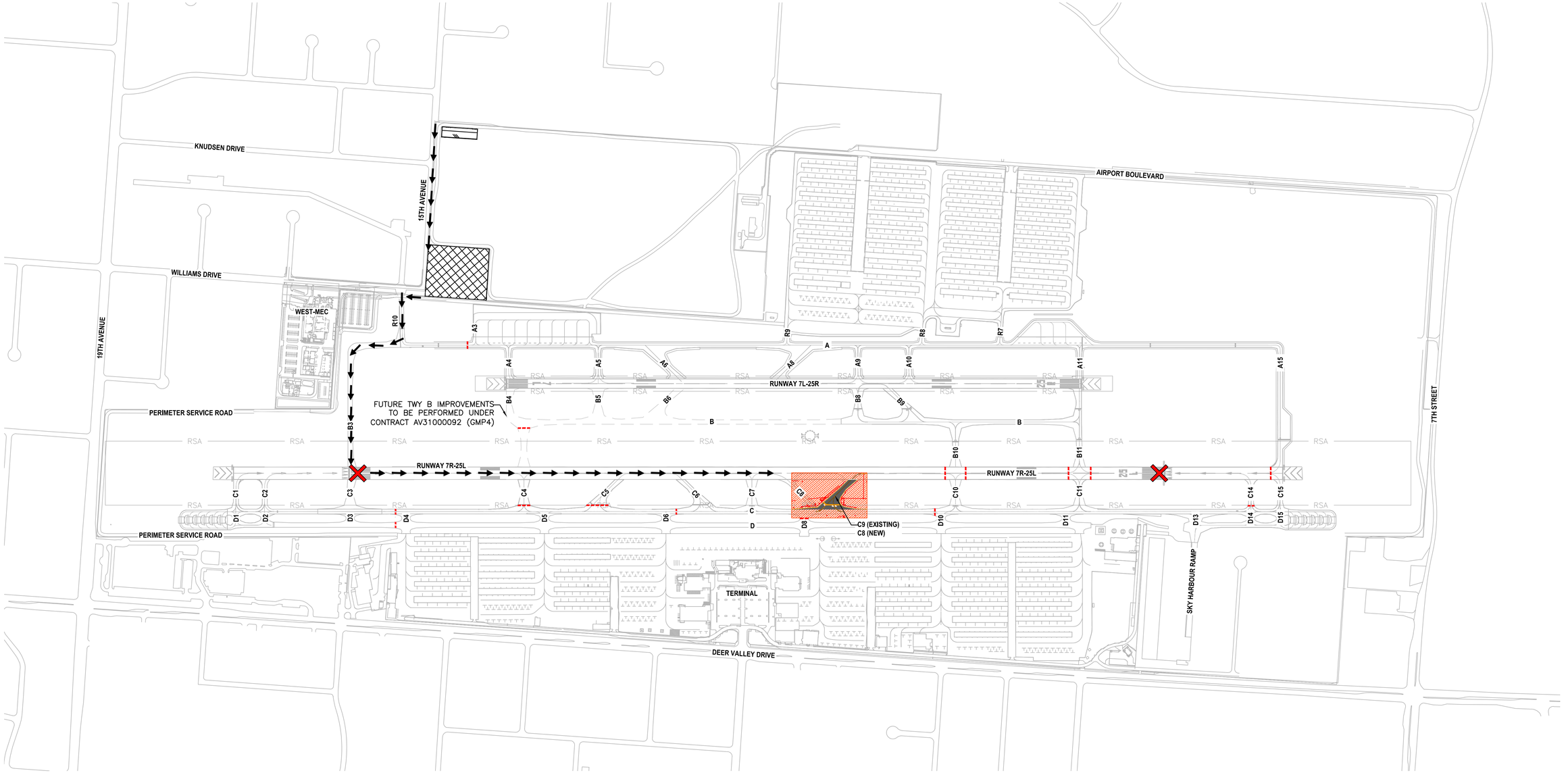
ADOT GRANT NUMBER(S):
XXX

SHEET OVERVIEW TITLE
CONSTRUCTION SAFETY & PHASING PLAN - PHASE 3

SHEET REFERENCE NUMBER:
GC-104

SHEET 11 OF 76

N:\2022\221004 – DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\ AV31000096–GC–104.dwg – Apr 29,2026 1:17pm



PHASE 4 ELEMENTS:
PHASE 4 ACTIVITIES GENERALLY CONSIST OF PAVEMENT SAWCUT, PAVEMENT REMOVAL, PAVEMENT MARKING REMOVAL, GRADING AND EARTHWORK, SUBGRADE PREPARATION, PAVING OPERATIONS, EXCAVATION FOR AND INSTALLATION OF PIPE AND STORM DRAIN STRUCTURES, EXCAVATION FOR AND INSTALLATION OF AIRFIELD ELECTRICAL INFRASTRUCTURE, LIGHTING AND SIGNAGE.

AREAS CLOSED TO AIRCRAFT OPERATIONS:
RUNWAY 7R–25L CLOSED NIGHTLY.
TAXIWAY A WEST OF TAXILANE A3 CLOSED NIGHTLY.
TAXIWAY B3 CLOSED NIGHTLY.
TAXIWAY B4 SOUTH OF TAXIWAY B CLOSED NIGHTLY.
TAXIWAY C WEST OF TAXIWAY D4 CLOSED NIGHTLY.
TAXIWAY C BETWEEN TAXIWAY D6 AND TAXIWAY D10 CLOSED NIGHTLY.
TAXIWAY C4 CLOSED NIGHTLY.
TAXIWAY C5 CLOSED NIGHTLY.
TAXIWAY C14 CLOSED NIGHTLY.
TAXIWAY D WEST OF TAXIWAY D4 CLOSED NIGHTLY.
TAXIWAY D8 CLOSED NIGHTLY.
RAMP 10 CLOSED NIGHTLY.

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

ARFF ACCESS ROUTES:
THERE IS NO ARFF AT DVT. EMERGENCY ACCESS ROUTES MUST BE MAINTAINED.

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

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

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

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

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

LEGEND

- PHASE 4
- CONTRACTOR STAGING/STOCKPILE AREA
- EMPLOYEE PARKING AREA
- LOW PROFILE BARRICADES AT 10 FT SPACING
- RUNWAY CLOSURE MARKER
- HAUL ROUTE

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

N

0 400' 800'

SCALE:1"=400'

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

SUB CONSULTANT

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10
AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

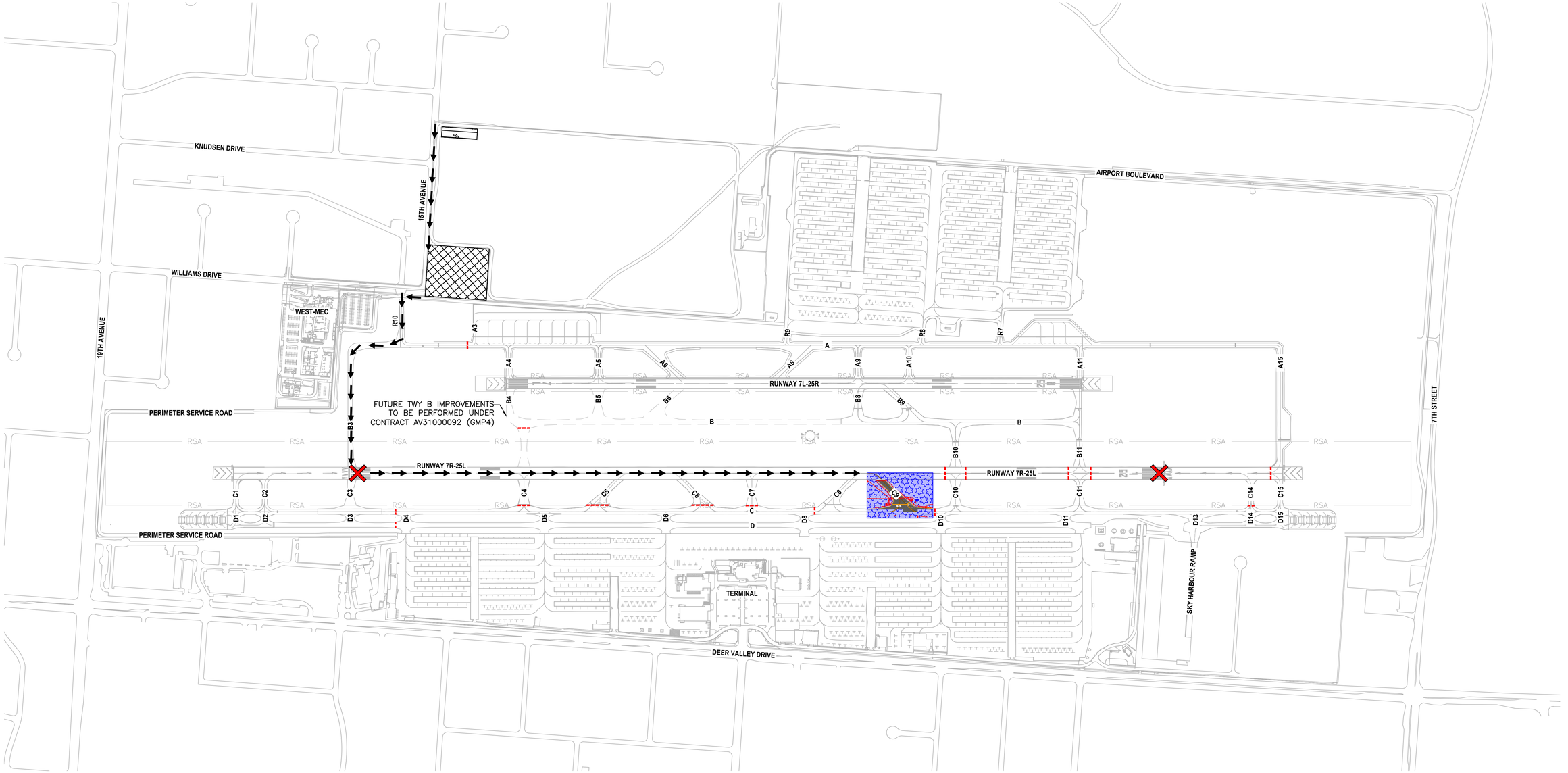
ADOT GRANT NUMBER(S):
XXX

SHEET OVERVIEW TITLE
CONSTRUCTION SAFETY & PHASING PLAN - PHASE 4

SHEET REFERENCE NUMBER:
GC-105

SHEET 12 OF 76

N:\2022\221004 – DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\ AV31000096–GC–105.dwg – Apr 23,2026 1:17pm



PHASE 5 ELEMENTS:
PHASE 5 ACTIVITIES GENERALLY CONSIST OF PAVEMENT SAWCUT, PAVEMENT REMOVAL, PAVEMENT MARKING REMOVAL, GRADING AND EARTHWORK, SUBGRADE PREPARATION, PAVING OPERATIONS, EXCAVATION FOR AND INSTALLATION OF PIPE AND STORM DRAIN STRUCTURES, EXCAVATION FOR AND INSTALLATION OF AIRFIELD ELECTRICAL INFRASTRUCTURE, LIGHTING AND SIGNAGE.

AREAS CLOSED TO AIRCRAFT OPERATIONS:
RUNWAY 7R–25L CLOSED NIGHTLY.
TAXIWAY A WEST OF TAXILANE A3 CLOSED NIGHTLY.
TAXIWAY B3 CLOSED NIGHTLY.
TAXIWAY B4 SOUTH OF TAXIWAY B CLOSED NIGHTLY.
TAXIWAY C WEST OF TAXIWAY D4 CLOSED NIGHTLY.
TAXIWAY C BETWEEN TAXIWAY D8 AND TAXIWAY D10 CLOSED NIGHTLY.
TAXIWAY C4 CLOSED NIGHTLY.
TAXIWAY C5 CLOSED NIGHTLY.
TAXIWAY C6 CLOSED NIGHTLY.
TAXIWAY C7 CLOSED NIGHTLY.
TAXIWAY C14 CLOSED NIGHTLY.
TAXIWAY D WEST OF TAXIWAY D4 CLOSED NIGHTLY.
RAMP 10 CLOSED NIGHTLY.

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

ARFF ACCESS ROUTES:
THERE IS NO ARFF AT DVT. EMERGENCY ACCESS ROUTES MUST BE MAINTAINED.

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

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

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

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

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

LEGEND

- PHASE 5
- CONTRACTOR STAGING/STOCKPILE AREA
- EMPLOYEE PARKING AREA
- LOW PROFILE BARRICADES AT 10 FT SPACING
- RUNWAY CLOSURE MARKER
- HAUL ROUTE

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

N

0 400' 800'

SCALE:1"=400'

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

SUB CONSULTANT

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT
CITY OF PHOENIX AVIATION DEPARTMENT

DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

ADOT GRANT NUMBER(S):
XXX

Designed by:	AS
Drawn by:	TH
Checked by:	GS
Date:	04/27/2026
Dwg scale:	AS SHOWN

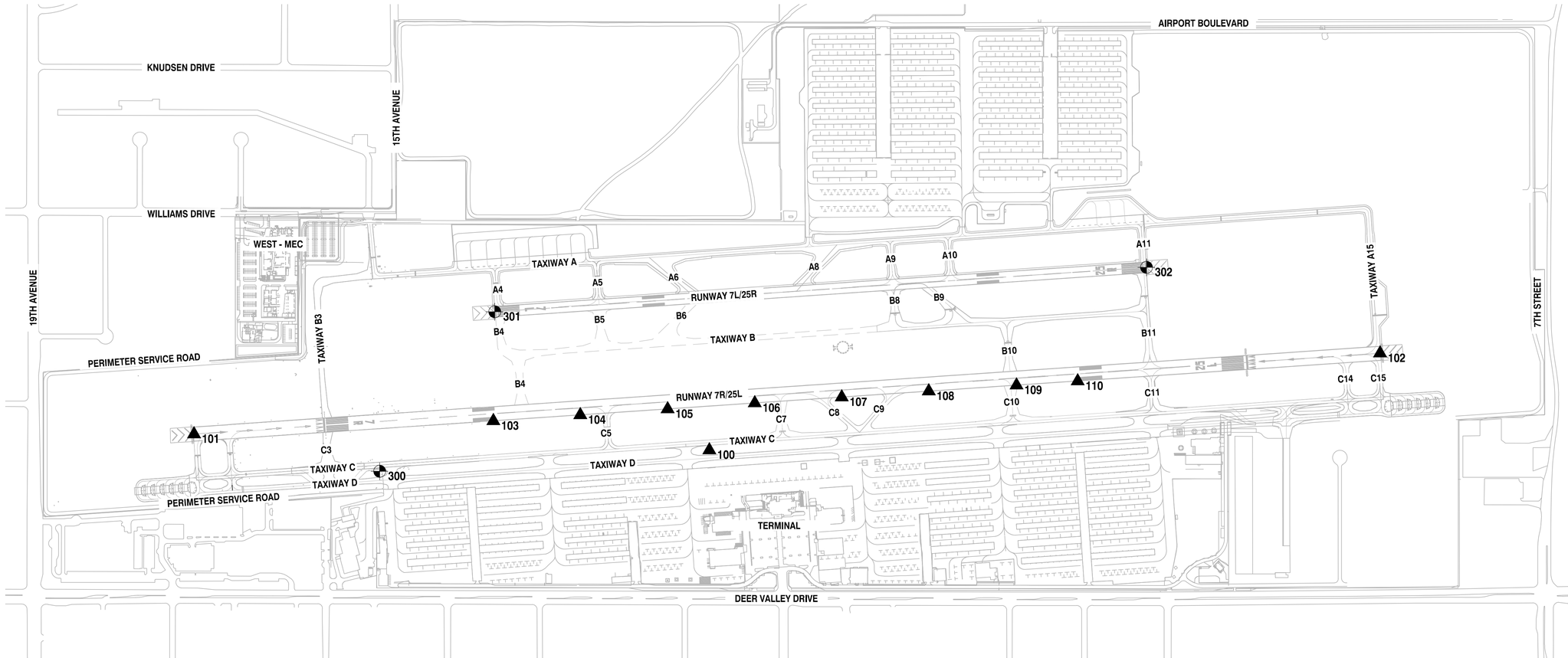
SHEET OVERVIEW TITLE

CONSTRUCTION SAFETY & PHASING PLAN - PHASE 5

SHEET REFERENCE NUMBER:
GC-106

SHEET 13 OF 76

N:\2022\221004 – DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\ AV31000096–GC–106.dwg – Apr 23,2026 1:17pm



SURVEY CONTROL POINTS				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
100	977527.67	649027.51	0.00	SET SCRIBED X ON CATCH BASIN
101	977637.62	645477.24	0.00	BCF 7R
102	978194.57	653647.99	0.00	BCF 25L
103	977728.33	647539.39	1450.72	SET MAG NAIL
104	977769.15	648138.41	1453.66	SET MAG NAIL
105	977810.12	648739.81	1456.54	SET MAG NAIL
106	977851.33	649340.13	1459.45	SET MAG NAIL
107	977891.96	649939.46	1462.25	SET MAG NAIL
108	977933.02	650539.03	1465.23	SET MAG NAIL
109	977974.16	651143.49	1468.12	SET MAG NAIL
110	978002.68	651564.94	1470.22	SET MAG NAIL

PRIMARY CONTROL POINTS				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
300	977381.08	646756.34	1443.80	BCF DVT B (SACS) (SEE NOTE 2)
301	978480.32	647549.05	1455.24	BCF 7L THRESHOLD MONUMENT
302	978786.45	652038.66	1476.91	BCF 25R THRESHOLD MONUMENT

LEGEND

1 SITE BENCHMARK

2 TEMPORARY BENCHMARK

BCF BRASS CAP FLUSH

SURVEY CONTROL NOTES

THE FIELD PORTION OF THIS SURVEY WAS PERFORMED DURING THE MONTHS OF JULY AND AUGUST, 2019, AND JANUARY, 2023.

HORIZONTAL DATUM (NAD 83 NORTH AMERICAN DATUM OF 1983)

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

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

PRIMARY SITE BENCHMARK – DVT B (SACS) POINT #300 A BRASS CAP FLUSH PER NGS DATA SHEET HAVING AN ELEVATION OF 1443.80 (NAVD88)
SECONDARY SITE BENCHMARK – THRESHOLD MONUMENT 7L POINT #301 A BRASS CAP FLUSH HAVING AN ELEVATION OF 1455.24

NOTE:

1. THE CONTRACTOR SHALL PROVIDE WRITTEN CONFIRMATION OF COORDINATES AND ELEVATIONS OF BENCHMARKS PRIOR TO CONSTRUCTION.
2. PRIMARY SITE BENCHMARK APPEARS TO HAVE BEEN OBLITERATED BY CONSTRUCTION BETWEEN AUGUST 2019 AND JANUARY 2023. NO MONUMENT FOUND DURING THE JANUARY 2023 SURVEY.

N

0 400' 800'

SCALE:1"=400'

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10
AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

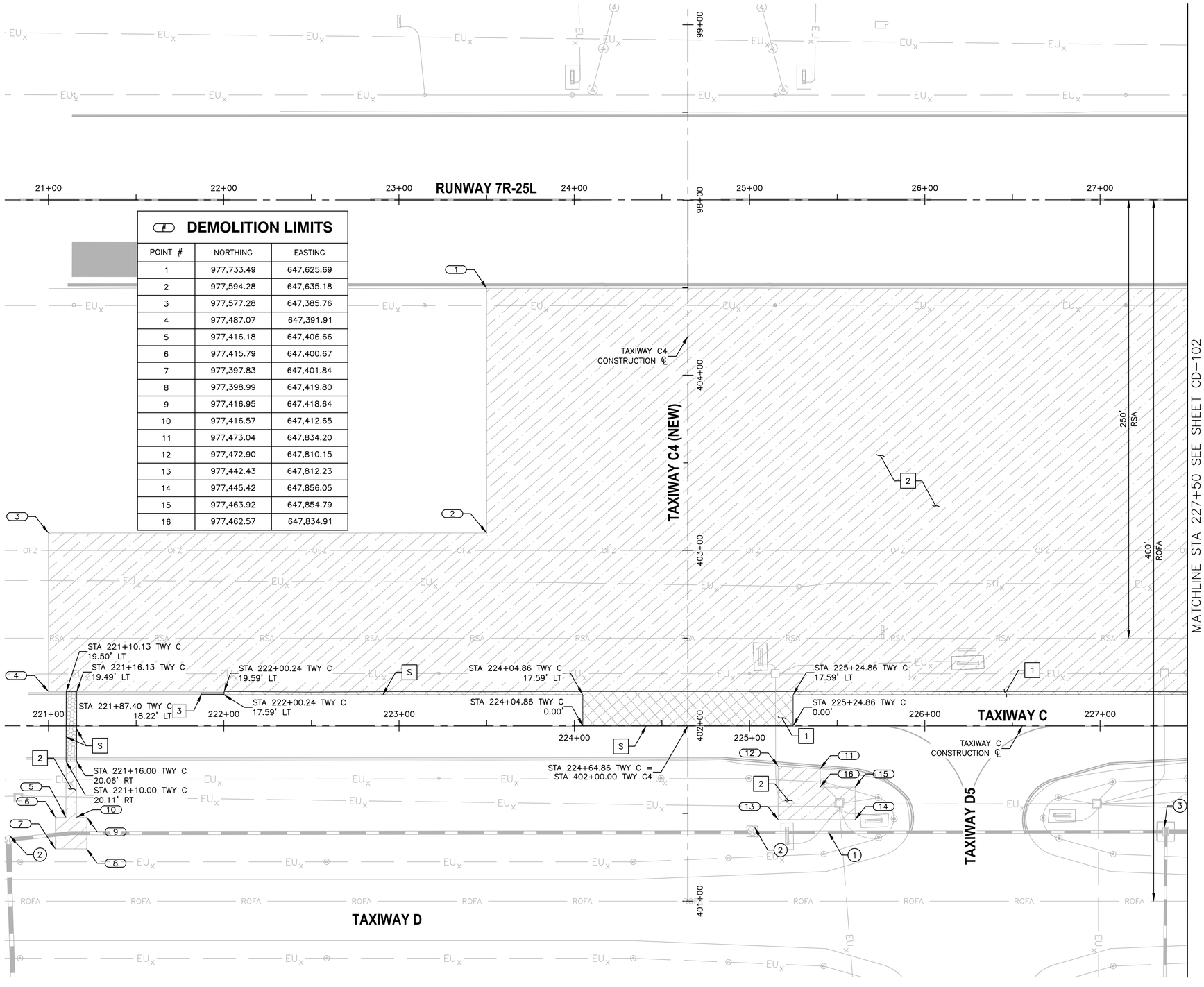
ADOT GRANT NUMBER(S): XXX

SHEET OVERVIEW TITLE
SURVEY CONTROL PLAN

SHEET REFERENCE NUMBER:
VF-401

SHEET 14 OF 76

N:\2022\221004 - DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\ AV31000096-VF-401.dwg - Apr 29,2026 1:18pm



DEMOLITION LIMITS

POINT #	NORTHING	EASTING
1	977,733.49	647,625.69
2	977,594.28	647,635.18
3	977,577.28	647,385.76
4	977,487.07	647,391.91
5	977,416.18	647,406.66
6	977,415.79	647,400.67
7	977,397.83	647,401.84
8	977,398.99	647,419.80
9	977,416.95	647,418.64
10	977,416.57	647,412.65
11	977,473.04	647,834.20
12	977,472.90	647,810.15
13	977,442.43	647,812.23
14	977,445.42	647,856.05
15	977,463.92	647,854.79
16	977,462.57	647,834.91

REMOVAL NOTES

1. REMOVE EXISTING ASPHALT PAVEMENT FULL DEPTH
2. REMOVE, HAUL, AND STOCKPILE CRUSHED AGGREGATE SLOPE PROTECTION PER SPECIAL PROVISION ITEM 37
3. OBLITERATE EXISTING PAVEMENT MARKING
S. SAWCUT EXISTING AC PAVEMENT FULL DEPTH

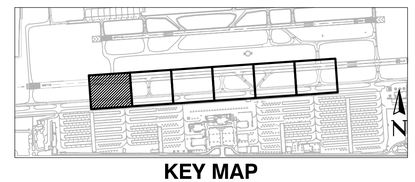
FULL DEPTH ASPHALT PAVEMENT REMOVAL

CRUSHED AGGREGATE SLOPE PROTECTION

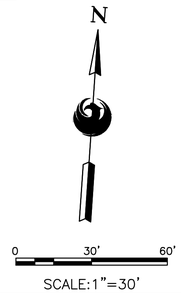
ASPHALT SURFACE REPLACEMENT

REFERENCE NOTES

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



KEY MAP



SCALE:1"=30'

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10
AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

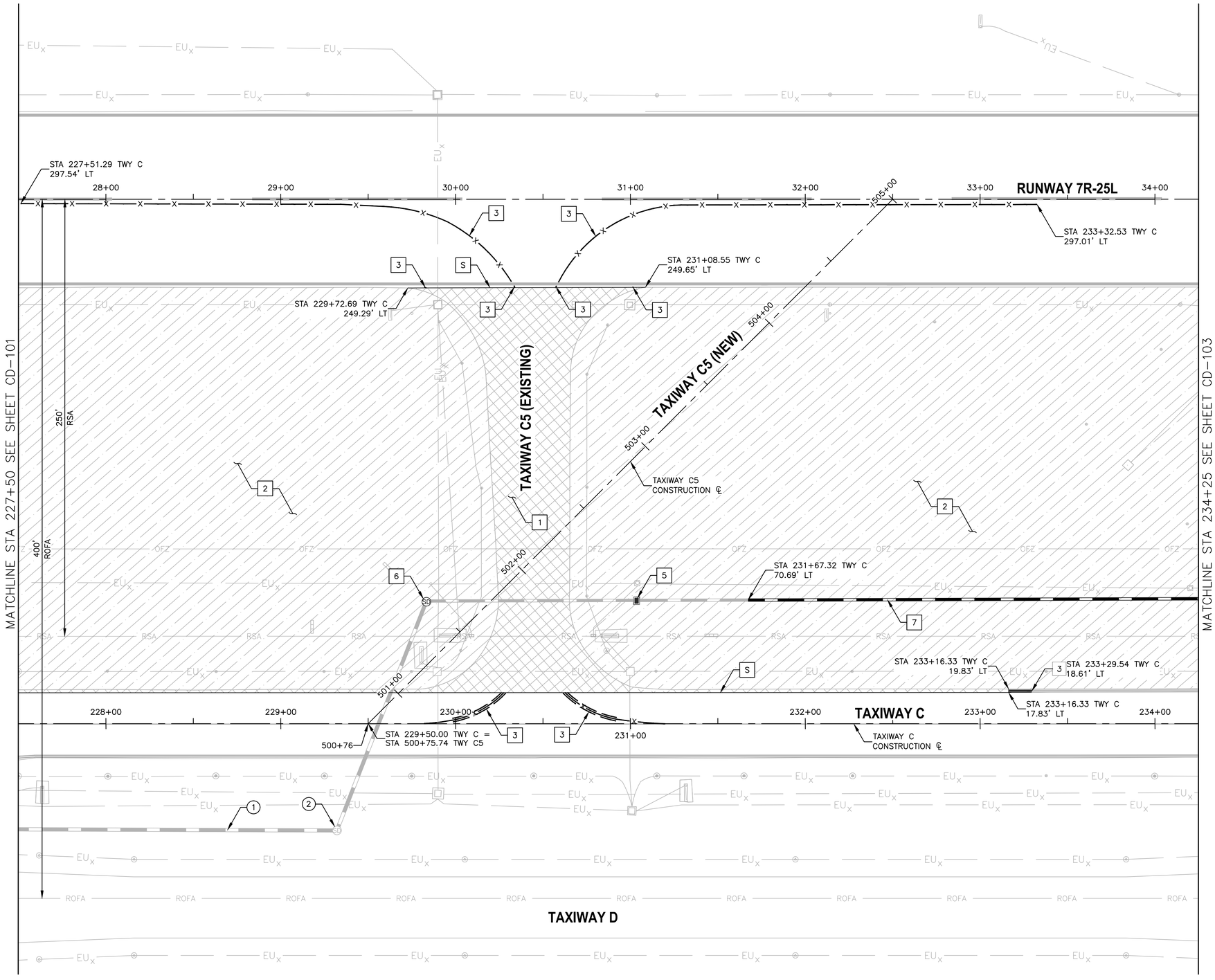
ADOT GRANT NUMBER(S):
XXX

SHEET OVERVIEW TITLE
CIVIL DEMOLITION PLAN

SHEET REFERENCE NUMBER:
CD-101

SHEET 15 OF 76

N:\2022\221004 - DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\AV31000096-CD-101.dwg - Apr 29,2026 1:18pm



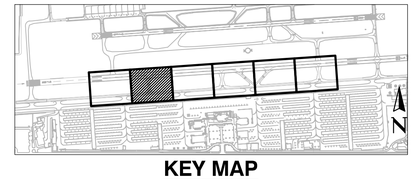
REMOVAL NOTES

1	REMOVE EXISTING ASPHALT PAVEMENT FULL DEPTH
2	REMOVE, HAUL, AND STOCKPILE CRUSHED AGGREGATE SLOPE PROTECTION PER SPECIAL PROVISION ITEM 37
3	OBLITERATE EXISTING PAVEMENT MARKING
5	REMOVE EXISTING CATCH BASIN, BACKFILL AND COMPACT
6	REMOVE EXISTING STORM DRAIN MANHOLE
7	REMOVE EXISTING 18" STORM DRAIN PIPE, BACKFILL AND COMPACT
S	SAWCUT EXISTING AC PAVEMENT FULL DEPTH
	FULL DEPTH ASPHALT PAVEMENT REMOVAL
	CRUSHED AGGREGATE SLOPE PROTECTION

REFERENCE NOTES

(1)	EXISTING STORM DRAIN PIPE, PROTECT IN PLACE
(2)	EXISTING STORM DRAIN MANHOLE, PROTECT IN PLACE

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



KEY MAP



0 30' 60'

SCALE:1"=30'

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

ADOT GRANT NUMBER(S): XXX

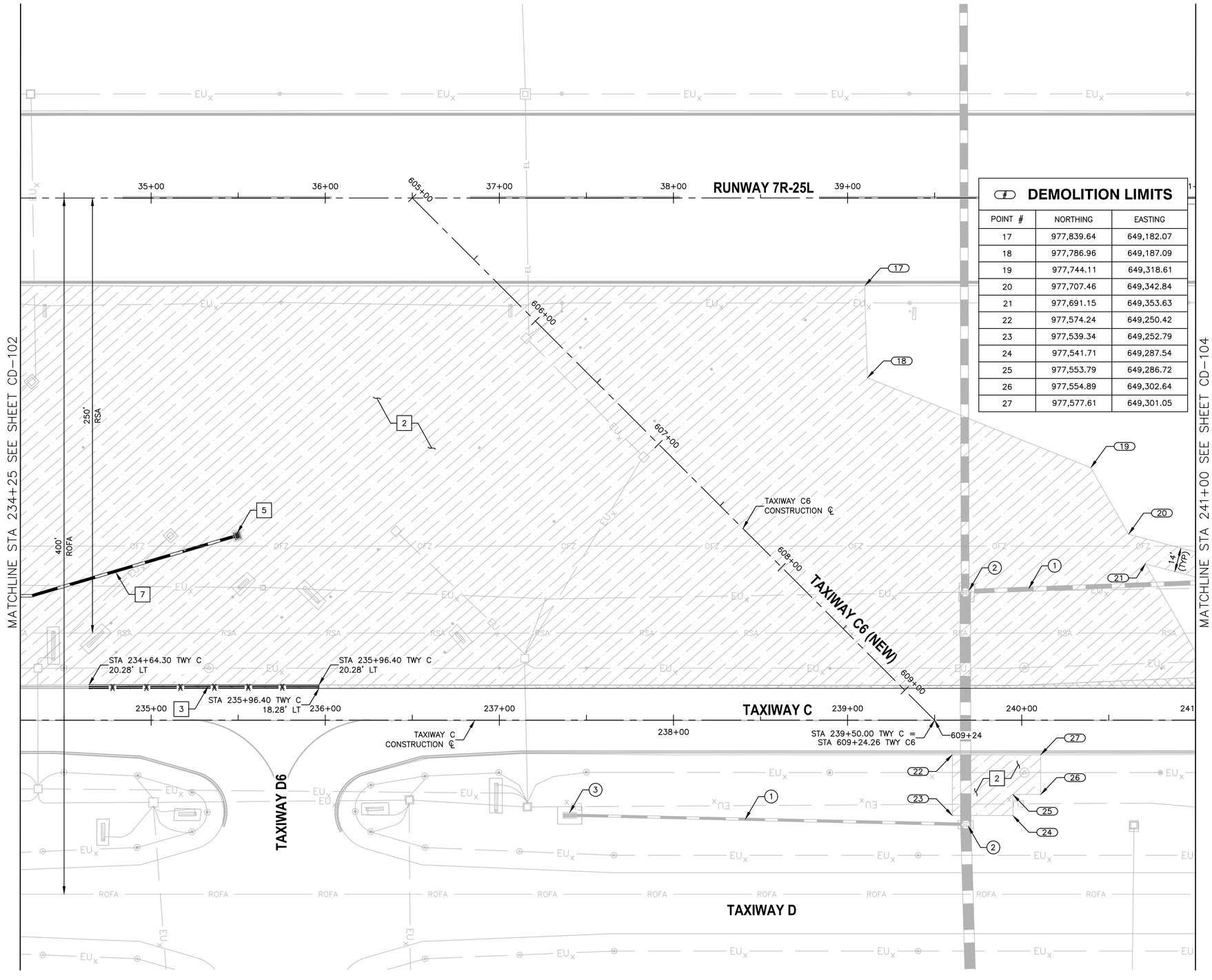
SHEET OVERVIEW TITLE

CIVIL DEMOLITION PLAN

SHEET REFERENCE NUMBER:
CD-102

SHEET 16 OF 76

N:\2022\221004 - DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\ AV31000096-CD-102.dwg - Apr 23,2026 1:18pm



DEMOLITION LIMITS

POINT #	NORTHING	EASTING
17	977,839.64	649,182.07
18	977,786.96	649,187.09
19	977,744.11	649,318.61
20	977,707.46	649,342.84
21	977,691.15	649,353.63
22	977,574.24	649,250.42
23	977,539.34	649,252.79
24	977,541.71	649,287.54
25	977,553.79	649,286.72
26	977,554.89	649,302.64
27	977,577.61	649,301.05

REMOVAL NOTES

1. REMOVE EXISTING ASPHALT PAVEMENT FULL DEPTH
2. REMOVE, HAUL, AND STOCKPILE CRUSHED AGGREGATE SLOPE PROTECTION PER SPECIAL PROVISION ITEM 37
3. OBLITERATE EXISTING PAVEMENT MARKING
5. REMOVE EXISTING CATCH BASIN, BACKFILL AND COMPACT
7. REMOVE EXISTING 18" STORM DRAIN PIPE, BACKFILL AND COMPACT
S. SAWCUT EXISTING AC PAVEMENT FULL DEPTH

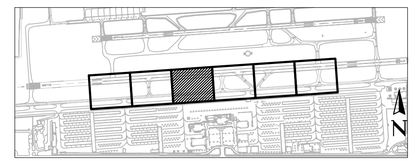
FULL DEPTH ASPHALT PAVEMENT REMOVAL

CRUSHED AGGREGATE SLOPE PROTECTION

REFERENCE NOTES

1. EXISTING STORM DRAIN PIPE, PROTECT IN PLACE
2. EXISTING STORM DRAIN MANHOLE, PROTECT IN PLACE
3. EXISTING CATCH BASIN, PROTECT IN PLACE

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



KEY MAP



SCALE:1"=30'

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT

DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

ADOT GRANT NUMBER(S): XXX

SHEET OVERVIEW TITLE

CIVIL DEMOLITION PLAN

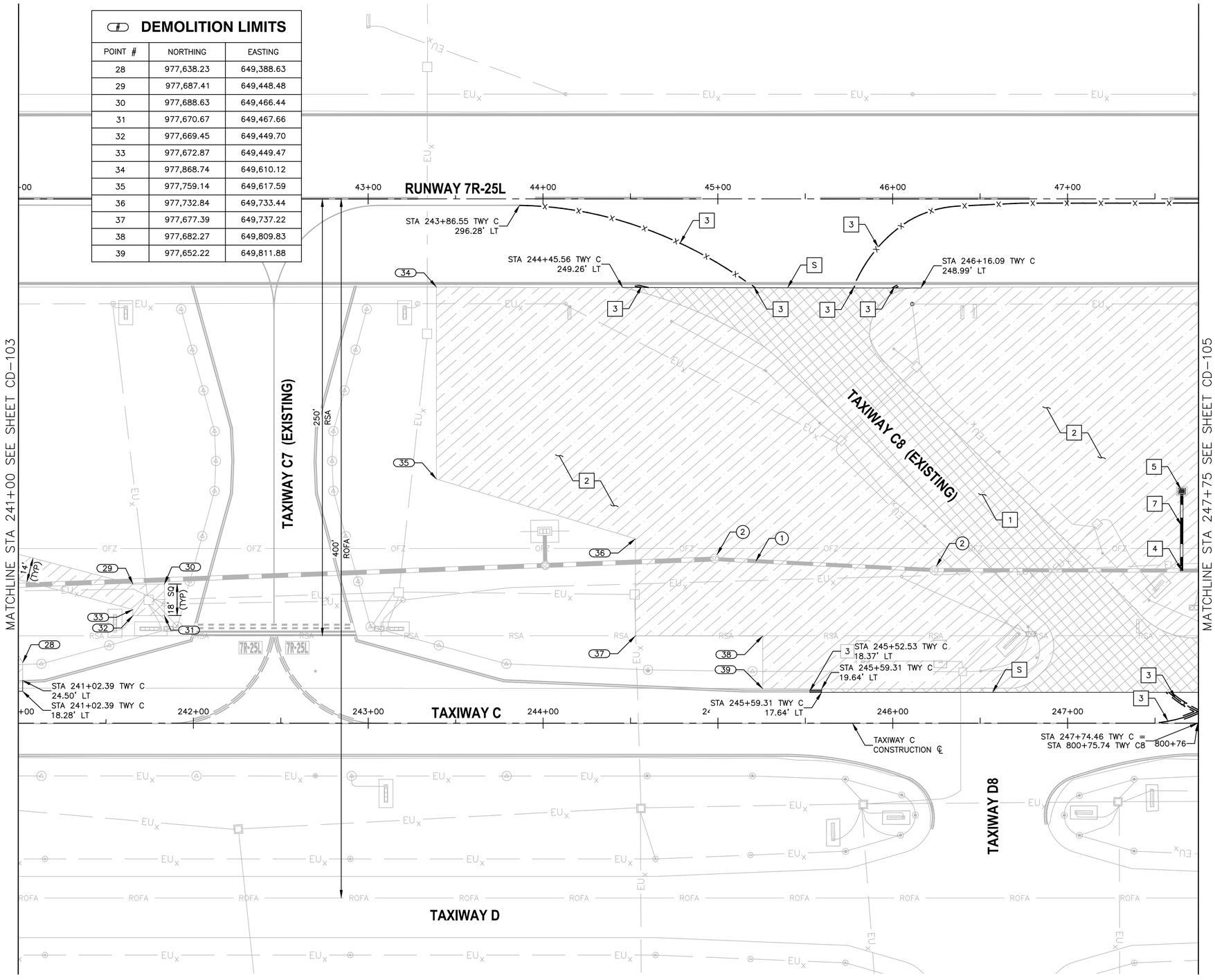
SHEET REFERENCE NUMBER:
CD-103

SHEET 17 OF 76

N:\2022\221004 - DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\AV31000096_CD-103.dwg - Apr 29,2026 1:18pm

DEMOLITION LIMITS

POINT #	NORTHING	EASTING
28	977,638.23	649,388.63
29	977,687.41	649,448.48
30	977,688.63	649,466.44
31	977,670.67	649,467.66
32	977,669.45	649,449.70
33	977,672.87	649,449.47
34	977,868.74	649,610.12
35	977,759.14	649,617.59
36	977,732.84	649,733.44
37	977,677.39	649,737.22
38	977,682.27	649,809.83
39	977,652.22	649,811.88



REMOVAL NOTES

1	REMOVE EXISTING ASPHALT PAVEMENT FULL DEPTH
2	REMOVE, HAUL, AND STOCKPILE CRUSHED AGGREGATE SLOPE PROTECTION PER SPECIAL PROVISION ITEM 37
3	OBLITERATE EXISTING PAVEMENT MARKING
4	CUT AND PLUG EXISTING STORM DRAIN PER MAG STD DTL 427
5	REMOVE EXISTING CATCH BASIN, BACKFILL AND COMPACT
7	REMOVE EXISTING 18" STORM DRAIN PIPE, BACKFILL AND COMPACT
S	SAWCUT EXISTING AC PAVEMENT FULL DEPTH

FULL DEPTH ASPHALT PAVEMENT REMOVAL

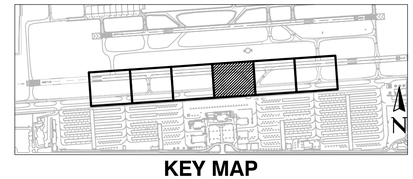
CRUSHED AGGREGATE SLOPE PROTECTION

REFERENCE NOTES

(1) EXISTING STORM DRAIN PIPE, PROTECT IN PLACE

(2) EXISTING STORM DRAIN MANHOLE, PROTECT IN PLACE

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



KEY MAP

N

0 30' 60'

SCALE:1"=30'

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYPASS
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

ADOT GRANT NUMBER(S): XXX

SHEET OVERVIEW TITLE

CIVIL DEMOLITION PLAN

SHEET REFERENCE NUMBER:
CD-104

SHEET 18 OF 76

N:\2022\221004 - DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\ AV31000096-CD-104.dwg - Apr 23,2026 1:19pm

DEMOLITION LIMITS

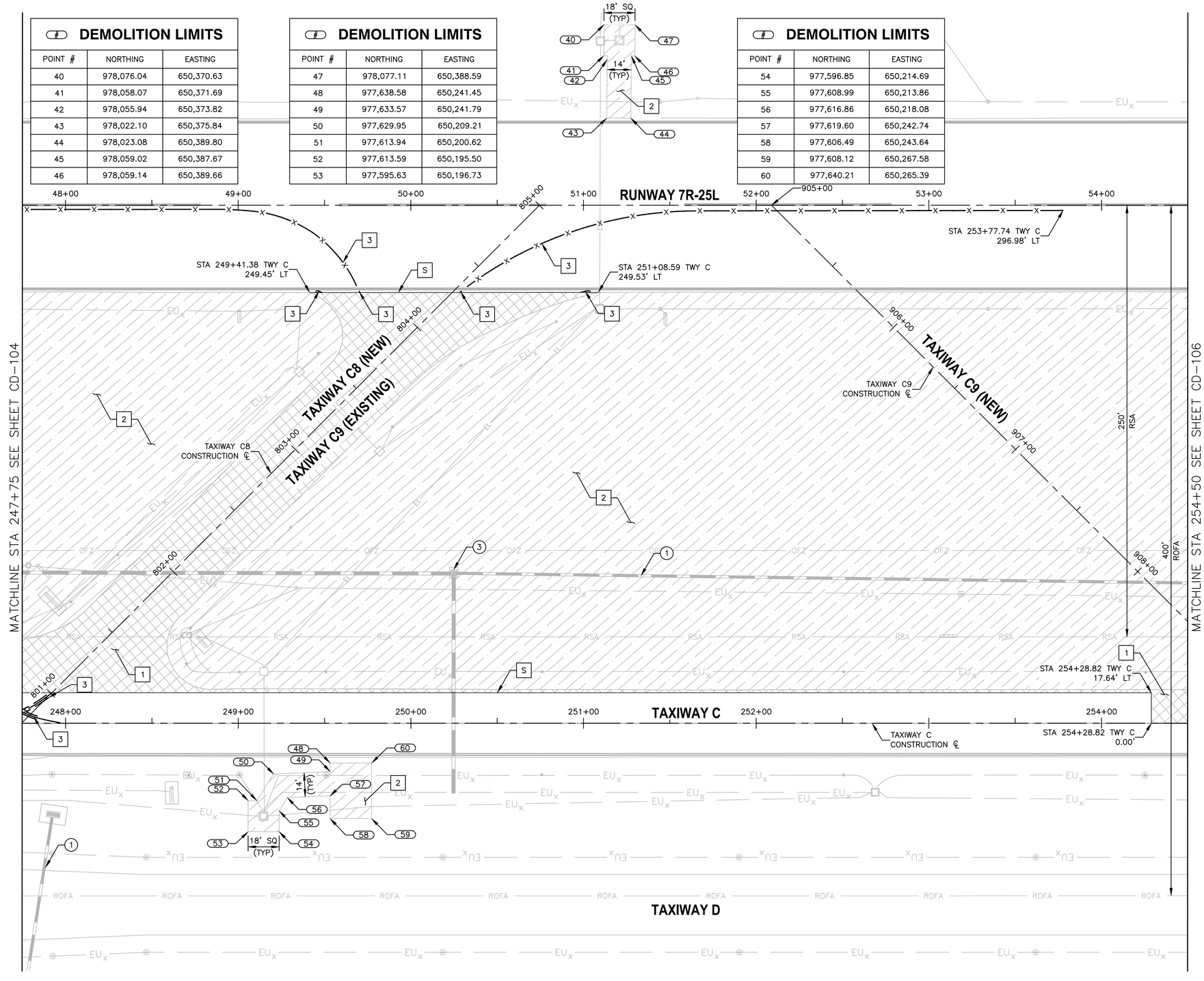
POINT #	NORTHING	EASTING
40	978,076.04	650,370.63
41	978,058.07	650,371.69
42	978,055.94	650,373.82
43	978,022.10	650,375.84
44	978,023.08	650,389.80
45	978,059.02	650,387.67
46	978,059.14	650,389.66

DEMOLITION LIMITS

POINT #	NORTHING	EASTING
47	978,077.11	650,388.59
48	977,638.58	650,241.45
49	977,633.57	650,241.79
50	977,629.95	650,209.21
51	977,613.94	650,200.62
52	977,613.59	650,195.50
53	977,595.63	650,196.73

DEMOLITION LIMITS

POINT #	NORTHING	EASTING
54	977,596.85	650,214.69
55	977,608.99	650,213.86
56	977,616.86	650,218.08
57	977,619.60	650,242.74
58	977,606.49	650,243.64
59	977,608.12	650,267.58
60	977,640.21	650,265.39



REMOVAL NOTES

1. REMOVE EXISTING ASPHALT PAVEMENT FULL DEPTH
2. REMOVE, HAUL, AND STOCKPILE CRUSHED AGGREGATE SLOPE PROTECTION PER SPECIAL PROVISION ITEM 37
3. OBLITERATE EXISTING PAVEMENT MARKING
S. SAWCUT EXISTING AC PAVEMENT FULL DEPTH

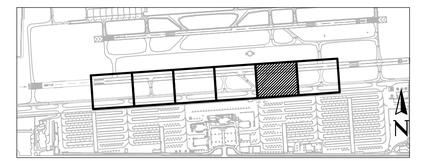
FULL DEPTH ASPHALT PAVEMENT REMOVAL

CRUSHED AGGREGATE SLOPE PROTECTION

REFERENCE NOTES

1. EXISTING STORM DRAIN PIPE, PROTECT IN PLACE
2. EXISTING STORM DRAIN MANHOLE, PROTECT IN PLACE
3. EXISTING CATCH BASIN, PROTECT IN PLACE

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



KEY MAP

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

N

0 30' 60'

SCALE:1"=30'

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

SUB CONSULTANT

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT

DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

ADOT GRANT NUMBER(S): XXX

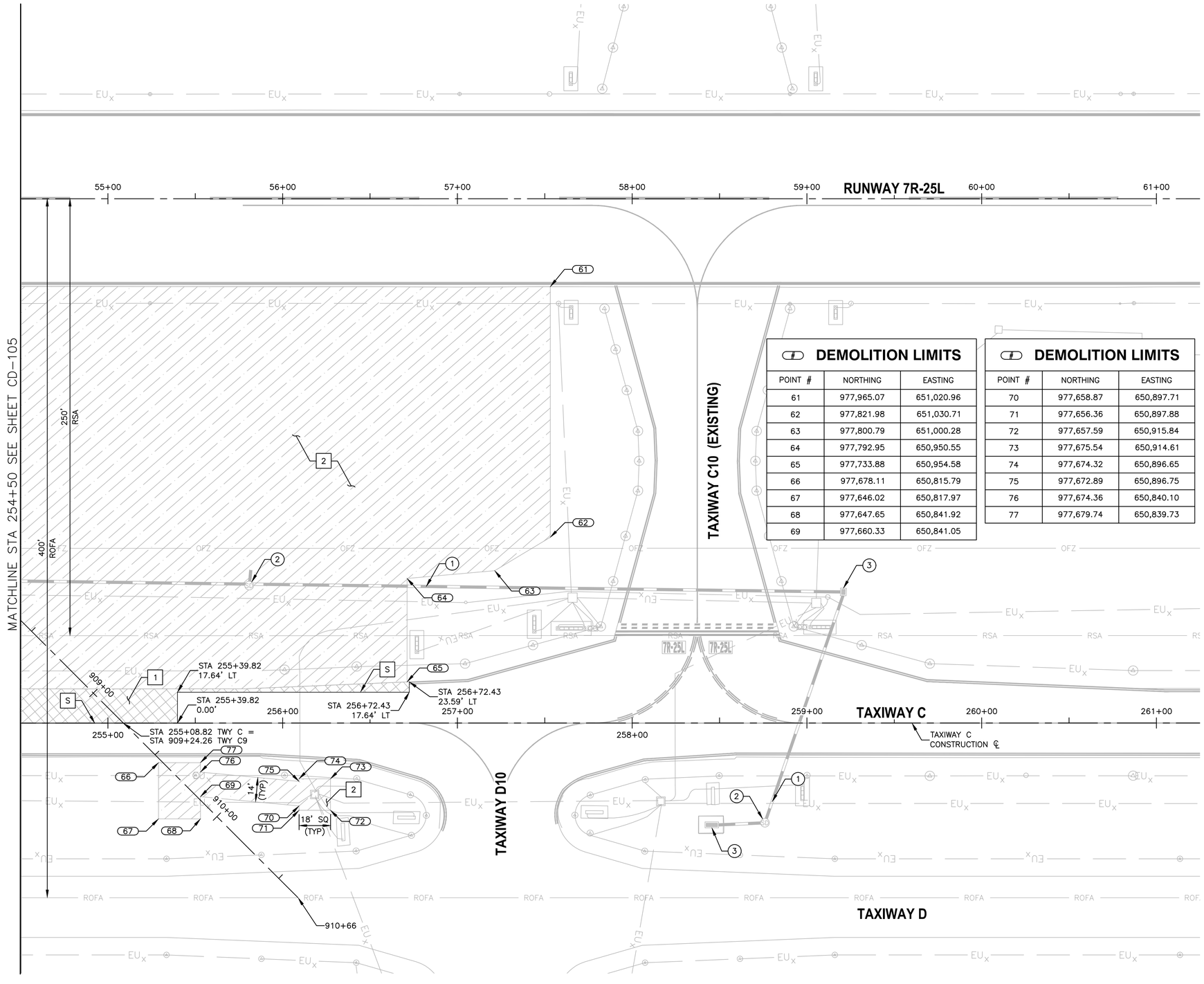
SHEET OVERVIEW TITLE

CIVIL DEMOLITION PLAN

SHEET REFERENCE NUMBER: CD-105

SHEET 19 OF 76

N:\2022\221004 - DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\AV31000096_CD-105.dwg - Apr 29,2026 1:19pm



DEMOLITION LIMITS

POINT #	NORTHING	EASTING
61	977,965.07	651,020.96
62	977,821.98	651,030.71
63	977,800.79	651,000.28
64	977,792.95	650,950.55
65	977,733.88	650,954.58
66	977,678.11	650,815.79
67	977,646.02	650,817.97
68	977,647.65	650,841.92
69	977,660.33	650,841.05

DEMOLITION LIMITS

POINT #	NORTHING	EASTING
70	977,658.87	650,897.71
71	977,656.36	650,897.88
72	977,657.59	650,915.84
73	977,675.54	650,914.61
74	977,674.32	650,896.65
75	977,672.89	650,896.75
76	977,674.36	650,840.10
77	977,679.74	650,839.73

REMOVAL NOTES

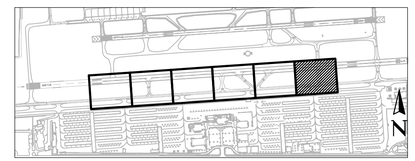
1. REMOVE EXISTING ASPHALT PAVEMENT FULL DEPTH
2. REMOVE, HAUL, AND STOCKPILE CRUSHED AGGREGATE SLOPE PROTECTION PER SPECIAL PROVISION ITEM 37
3. OBLITERATE EXISTING PAVEMENT MARKING
S. SAWCUT EXISTING AC PAVEMENT FULL DEPTH

FULL DEPTH ASPHALT PAVEMENT REMOVAL

CRUSHED AGGREGATE SLOPE PROTECTION

REFERENCE NOTES

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



KEY MAP

N

0 30' 60'

SCALE:1"=30'

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

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

SUB CONSULTANT

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10
AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

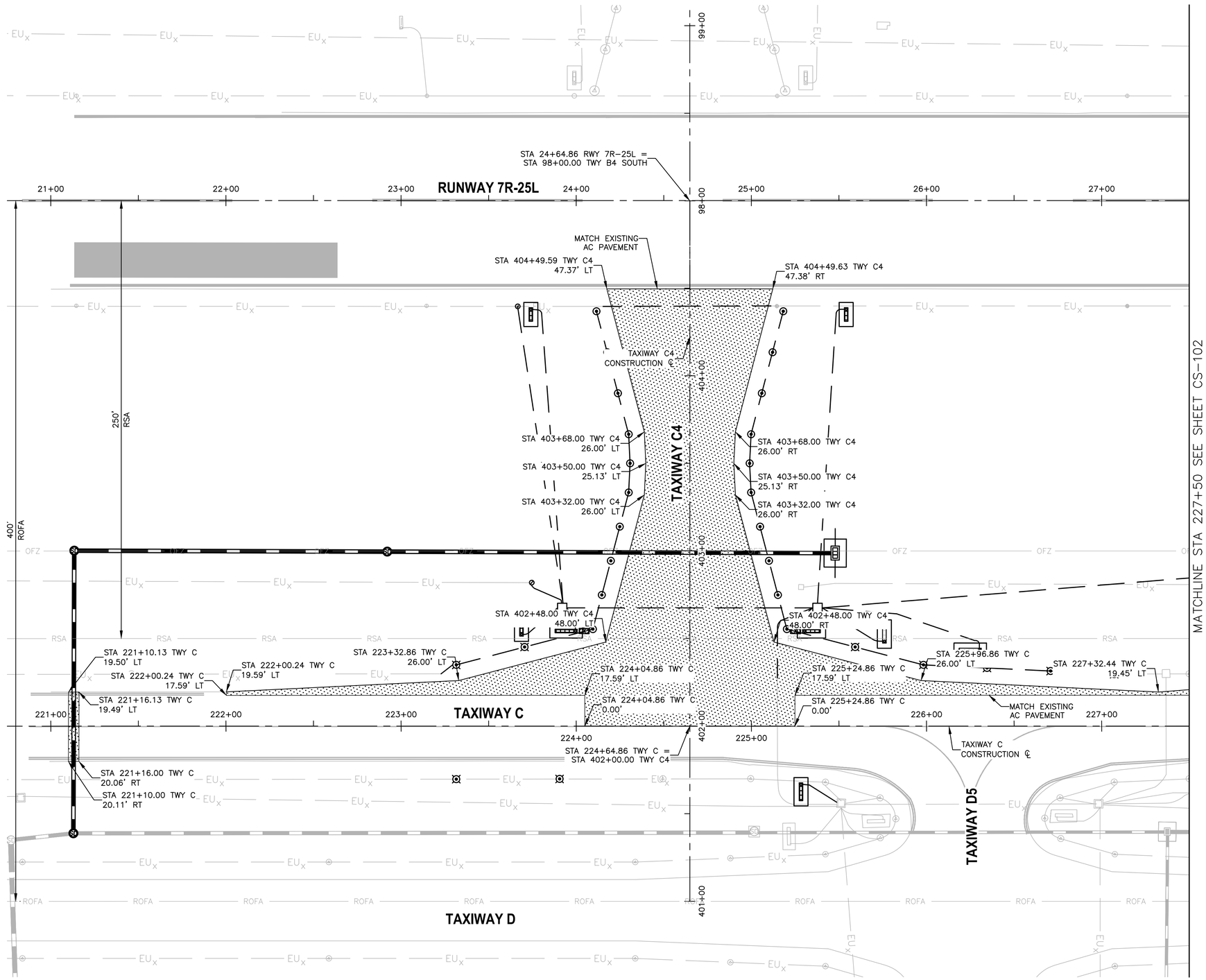
ADOT GRANT NUMBER(S): XXX

SHEET OVERVIEW TITLE
CIVIL DEMOLITION PLAN

SHEET REFERENCE NUMBER:
CD-106

SHEET 20 OF 76

N:\2022\221004 - DVT Taxiway C Connectors C4-C10 Design\Dwn\Dwn\ AV31000096_CD-106.dwg - Apr 29,2026 1:19pm

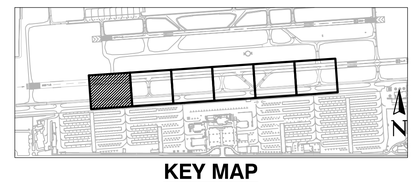


LEGEND

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

REFERENCE NOTES

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



KEY MAP



SCALE:1"=30'

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT EYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10
AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

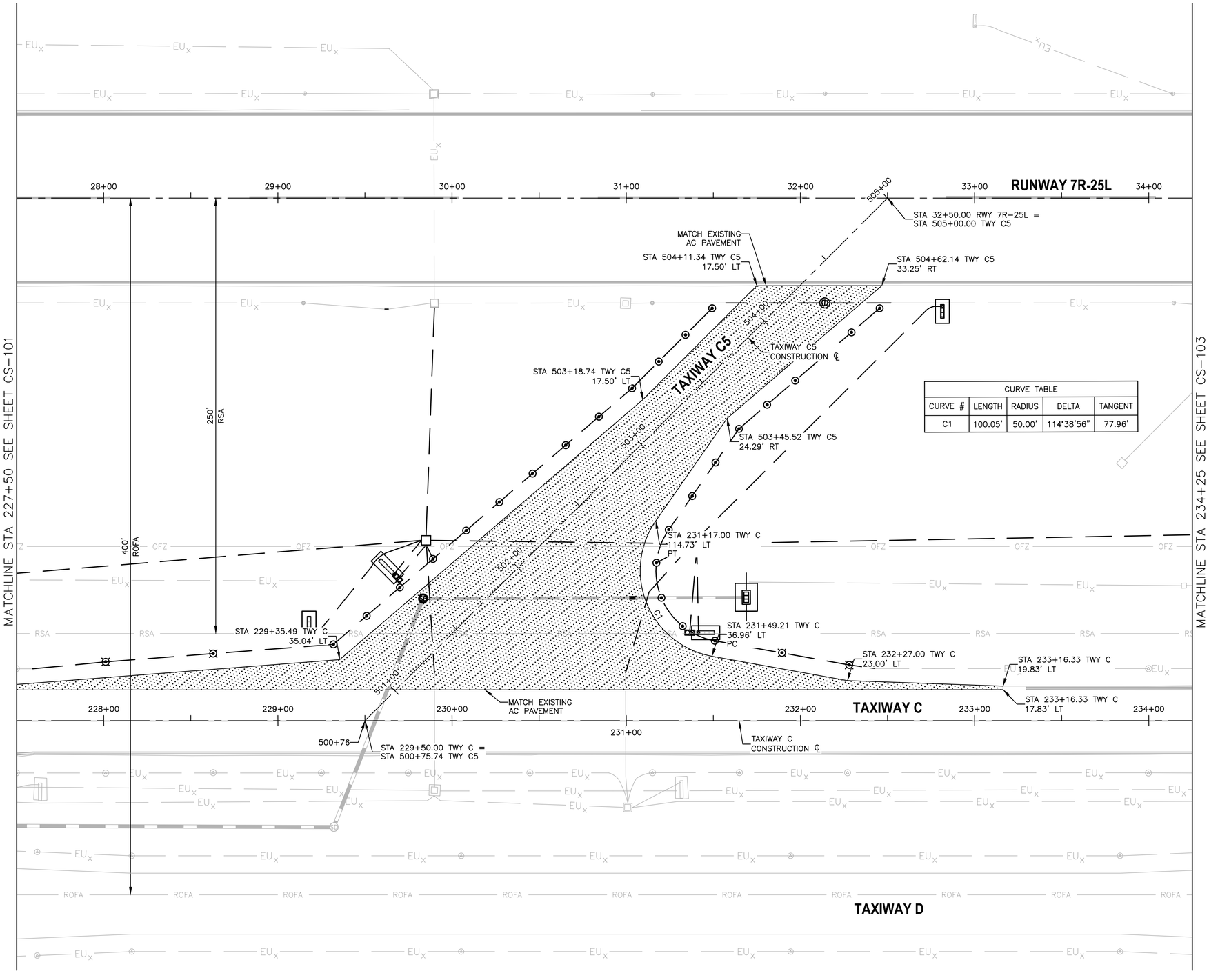
ADOT GRANT NUMBER(S):
XXX

SHEET OVERVIEW TITLE
GEOMETRIC LAYOUT PLAN

SHEET REFERENCE NUMBER:
CS-101

SHEET 21 OF 76

N:\2022\221004 - DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg_AV31000096-CS-101.dwg - Apr 29,2026 1:19pm



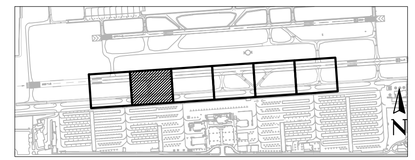
CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	TANGENT
C1	100.05'	50.00'	114°38'56"	77.96'

LEGEND

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

REFERENCE NOTES

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



KEY MAP



0 30' 60'

SCALE:1"=30'

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10
AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

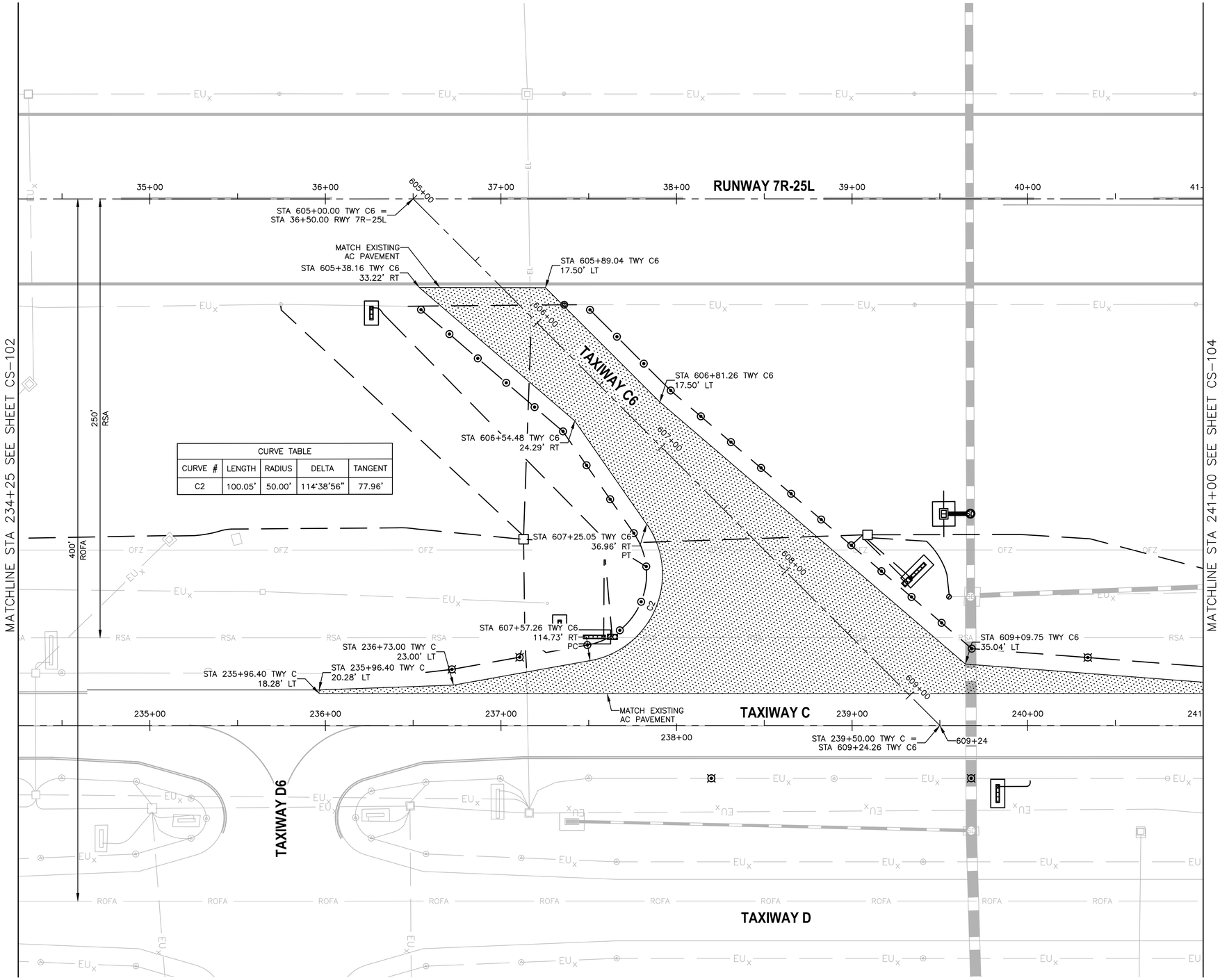
ADOT GRANT NUMBER(S):
XXX

SHEET OVERVIEW TITLE
GEOMETRIC LAYOUT PLAN

SHEET REFERENCE NUMBER:
CS-102

SHEET 22 OF 76

N:\2022\221004 - DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\ AV31000096-CS-102.dwg - Apr 29,2026 1:19pm



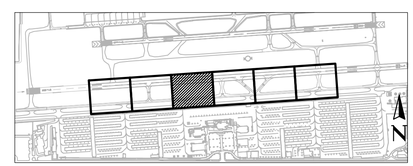
CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	TANGENT
C2	100.05'	50.00'	114°38'56"	77.96'

LEGEND

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

REFERENCE NOTES

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



KEY MAP

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

N

0 30' 60'

SCALE:1"=30'

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

SUB CONSULTANT

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT

DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

ADOT GRANT NUMBER(S):
XXX

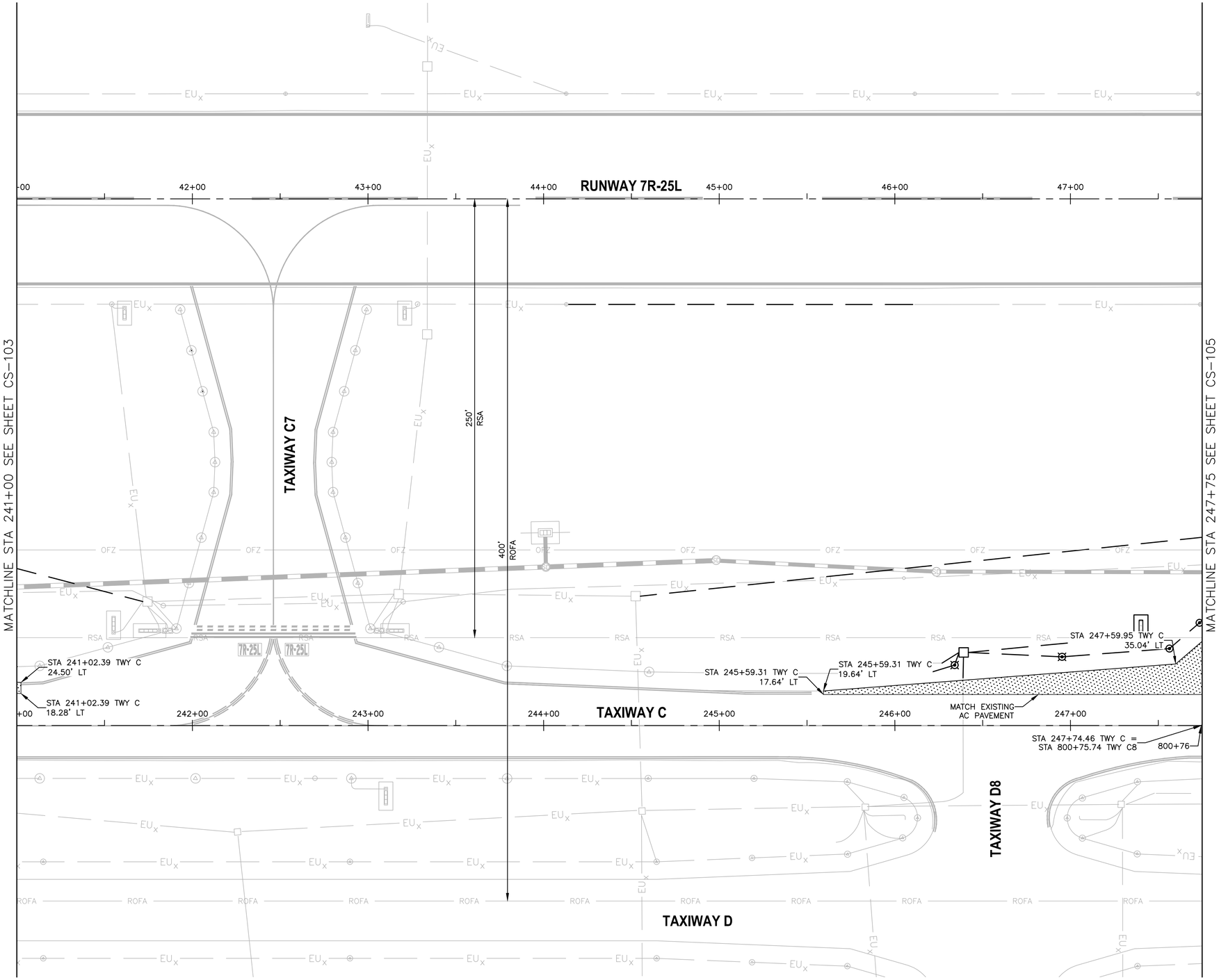
SHEET OVERVIEW TITLE

GEOMETRIC LAYOUT PLAN

SHEET REFERENCE NUMBER:
CS-103

SHEET 23 OF 76

N:\2022\221004 - DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\ AV31000096-CS-103.dwg - Apr 29,2026 1:20pm

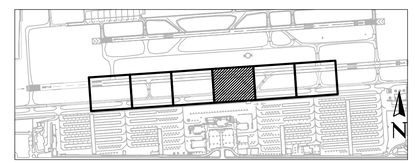


LEGEND

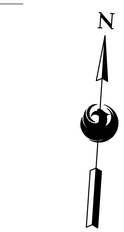
NEW ASPHALT TAXIWAY PAVEMENT. SEE TYPICAL SECTION 1 SHEET CS-301

REFERENCE NOTES

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



KEY MAP



0 30' 60'

SCALE:1"=30'

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

90% SUBMITTAL

PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR

CITY OF PHOENIX AVIATION DEPARTMENT

DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

ADOT GRANT NUMBER(S):
XXX

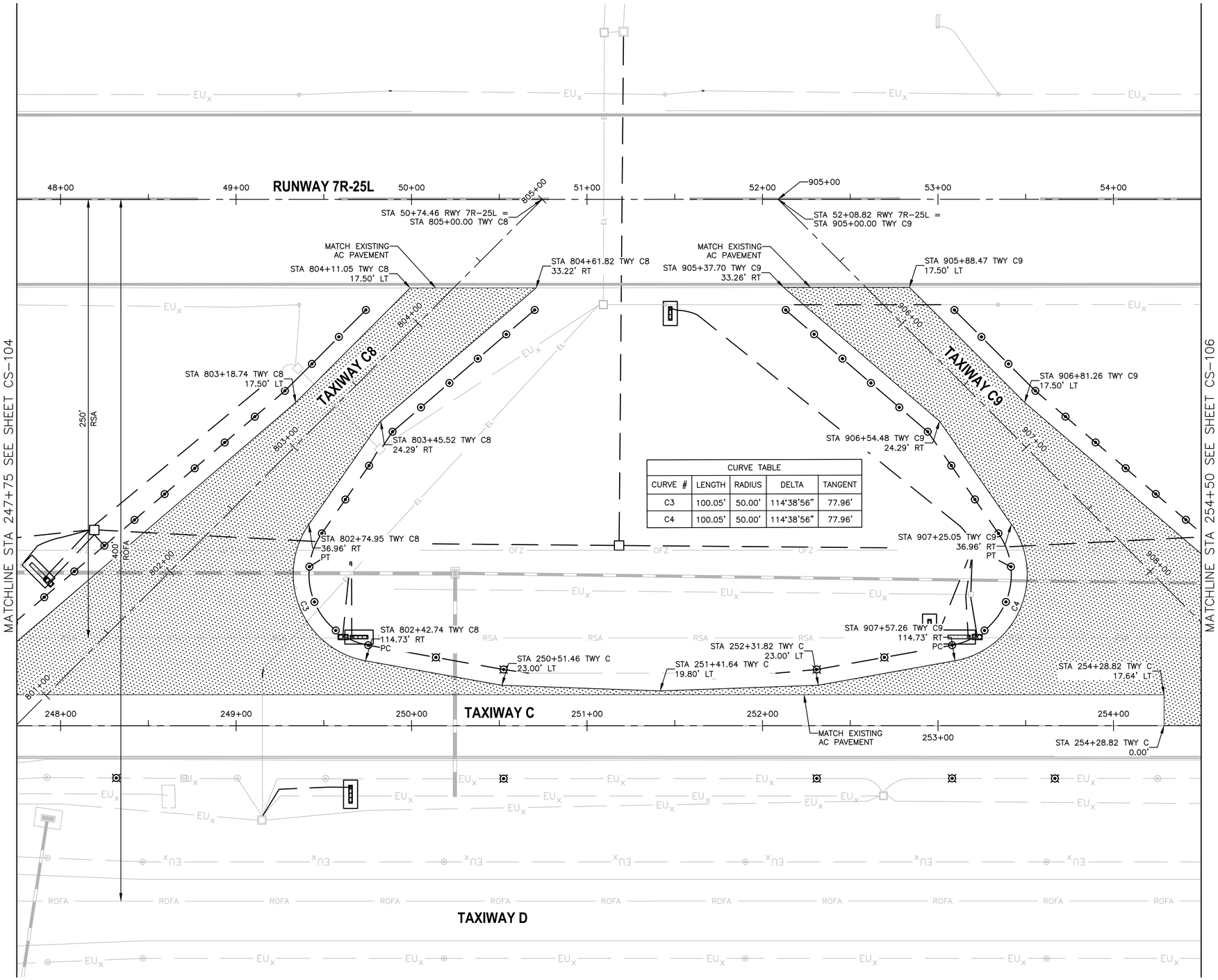
SHEET OVERVIEW TITLE

GEOMETRIC LAYOUT PLAN

SHEET REFERENCE NUMBER:
CS-104

SHEET 24 OF 76

N:\2022\221004 - DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\ AV31000096-CS-104.dwg - Apr 28,2026 - 1:20pm



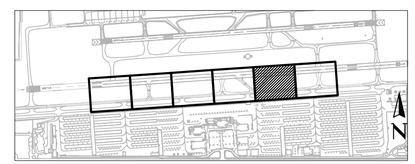
CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	TANGENT
C3	100.05'	50.00'	114°38'56"	77.96'
C4	100.05'	50.00'	114°38'56"	77.96'

LEGEND

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

REFERENCE NOTES

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



KEY MAP

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

N

0 30' 60'

SCALE:1"=30'

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

SUB CONSULTANT

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PEAK DVT BYR

CITY OF PHOENIX AVIATION DEPARTMENT

DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

ADOT GRANT NUMBER(S): XXX

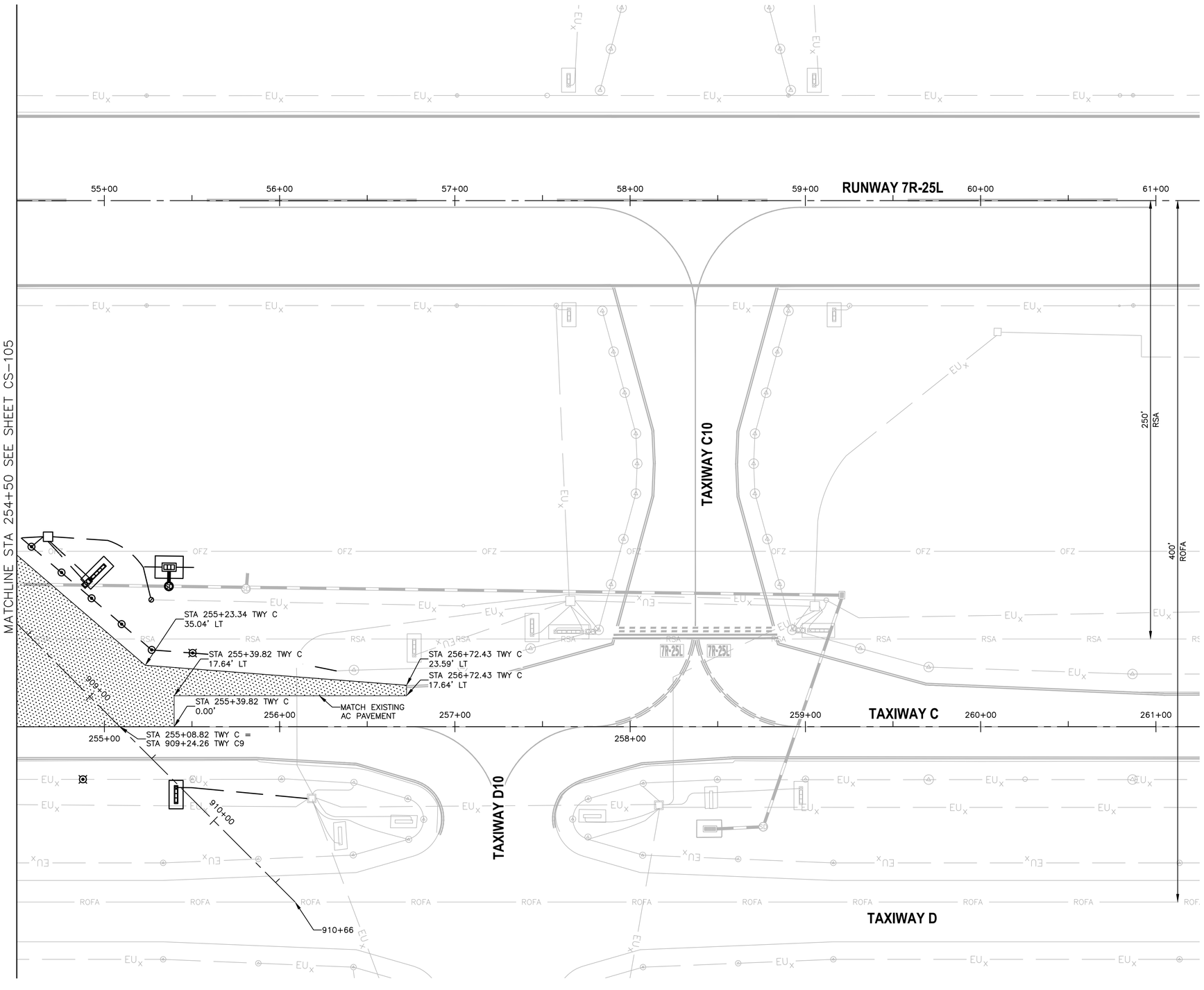
SHEET OVERVIEW TITLE

GEOMETRIC LAYOUT PLAN

SHEET REFERENCE NUMBER:
CS-105

SHEET 25 OF 76

N:\2022\221004 - DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\ AV31000096-CS-105.dwg - Apr 23,2026 - 1:20pm

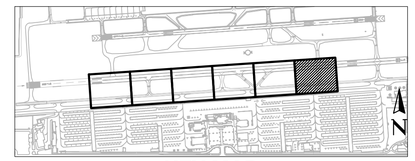


LEGEND

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

REFERENCE NOTES

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



KEY MAP



SCALE:1"=30'

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10
AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

ADOT GRANT NUMBER(S):
XXX

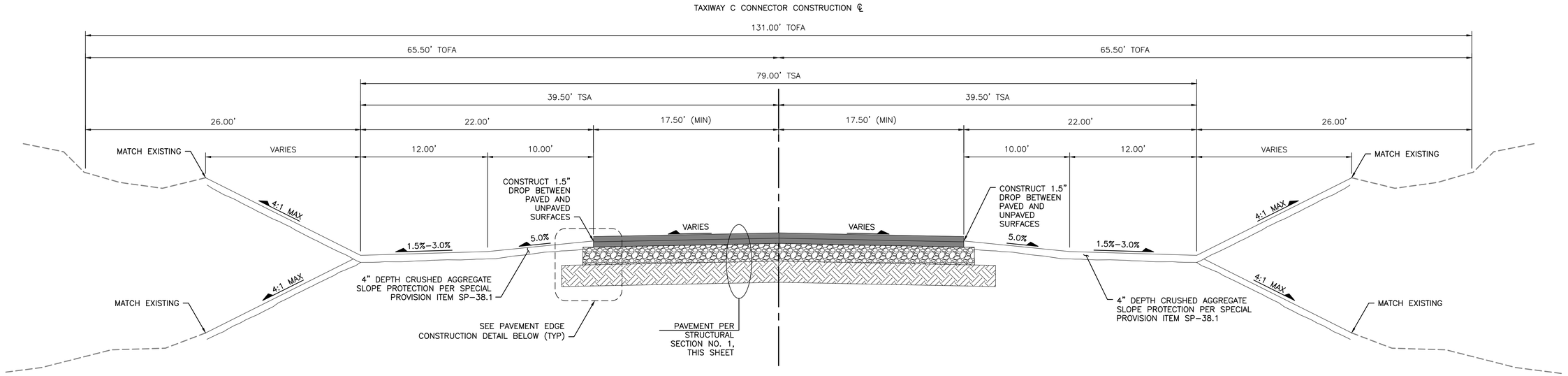
SHEET OVERVIEW TITLE

GEOMETRIC LAYOUT PLAN

SHEET REFERENCE NUMBER:
CS-106

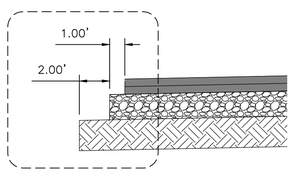
SHEET 26 OF 76

N:\2022\221004 - PVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg_AV31000096-CS-106.dwg - Apr 29,2026 1:20pm

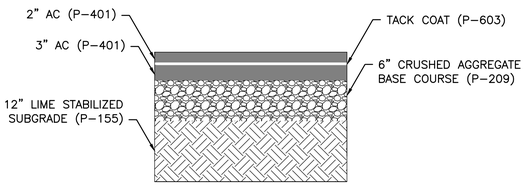


TYPICAL SECTION NO. 1

TAXIWAYS C4, C5, C6, C8, C9



PAVEMENT EDGE CONSTRUCTION DETAIL



STRUCTURAL SECTION NO.1

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10
AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: NTS

ADOT GRANT NUMBER(S):
XXX

SHEET OVERVIEW TITLE
TYPICAL SECTIONS

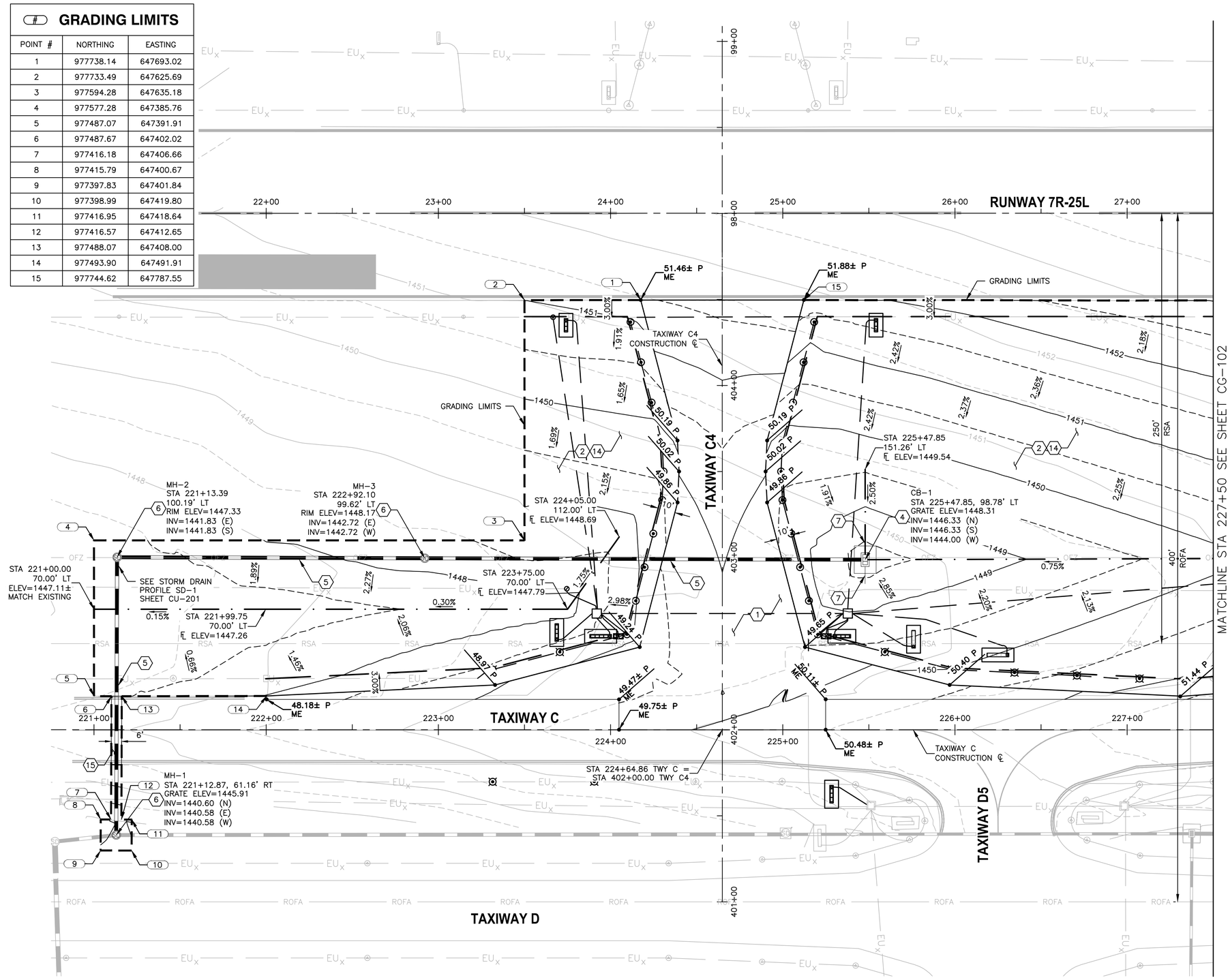
SHEET REFERENCE NUMBER:
CS-301

SHEET 27 OF 76

N:\2022\221004 - DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\ AV31000096-CS-301.dwg - Apr 29,2026 1:20pm

GRADING LIMITS

#	NORTHING	EASTING
1	977738.14	647693.02
2	977733.49	647625.69
3	977594.28	647635.18
4	977577.28	647385.76
5	977487.07	647391.91
6	977487.67	647402.02
7	977416.18	647406.66
8	977415.79	647400.67
9	977397.83	647401.84
10	977398.99	647419.80
11	977416.95	647418.64
12	977416.57	647412.65
13	977488.07	647408.00
14	977493.90	647491.91
15	977744.62	647787.55

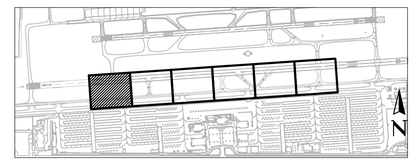


CONSTRUCTION NOTES

1. CONSTRUCT NEW AC PAVEMENT PER STRUCTURAL SECTION NO. 1
2. HAUL AND PLACE 4" DEPTH AGGREGATE SLOPE PROTECTION PER SPECIAL PROVISION ITEM 38
4. CONSTRUCT NEW AIRFIELD CONCRETE CATCH BASIN (TRIPLE GRATE) PER DETAIL D3 SHEET CU-502 WITH CONCRETE APRON PER ADOT STD DWG C-15.80
5. INSTALL NEW 24" RGRCP (CLASS V) PER D-701
6. CONSTRUCT NEW SHALLOW STORM DRAIN MANHOLE PER COP STD DTL P1520 AND MAG STD DTL 522 WITH AIRCRAFT RATED FRAME AND COVER
7. INSTALL NEW 4" HDPE PERFORATED PIPE PER DETAIL D2 SHEET CU-501
14. APPLY HERBICIDE AND PRE-EMERGENT PER MAG SECTION 430.8
15. CONSTRUCT PERMANENT PAVEMENT REPLACEMENT PER MAG AND COP SUPPLEMENT SECTION 336 AND COP STD DTL P1200 TYPE B-"T" TOP

REFERENCE NOTES

1. SEE SHEETS CD-101 THROUGH CD-106 FOR DEMOLITION PLAN
2. SEE SHEET CS-301 FOR TYPICAL SECTIONS AND PAVEMENT STRUCTURAL SECTIONS
3. SEE SHEETS CS-101 THROUGH CS-106 FOR THE GEOMETRIC LAYOUT PLAN FOR TAXIWAY CONNECTOR GEOMETRY
4. ADD 1400 TO ALL SPOT ELEVATIONS SHOWN IN PLAN VIEW
5. STATIONING IS BASED ON TWY C CONSTRUCTION ℄ UNLESS OTHERWISE NOTED
6. SEE ELECTRICAL SHEETS FOR ELECTRICAL WORK IN THIS AREA
7. PROVIDE 1.5" DROP FROM PAVEMENT ELEVATION PER TYPICAL SECTION, SHEET CS-301
8. EXISTING STRUCTURES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED



KEY MAP

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

N
0 30' 60'
SCALE:1"=30'

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

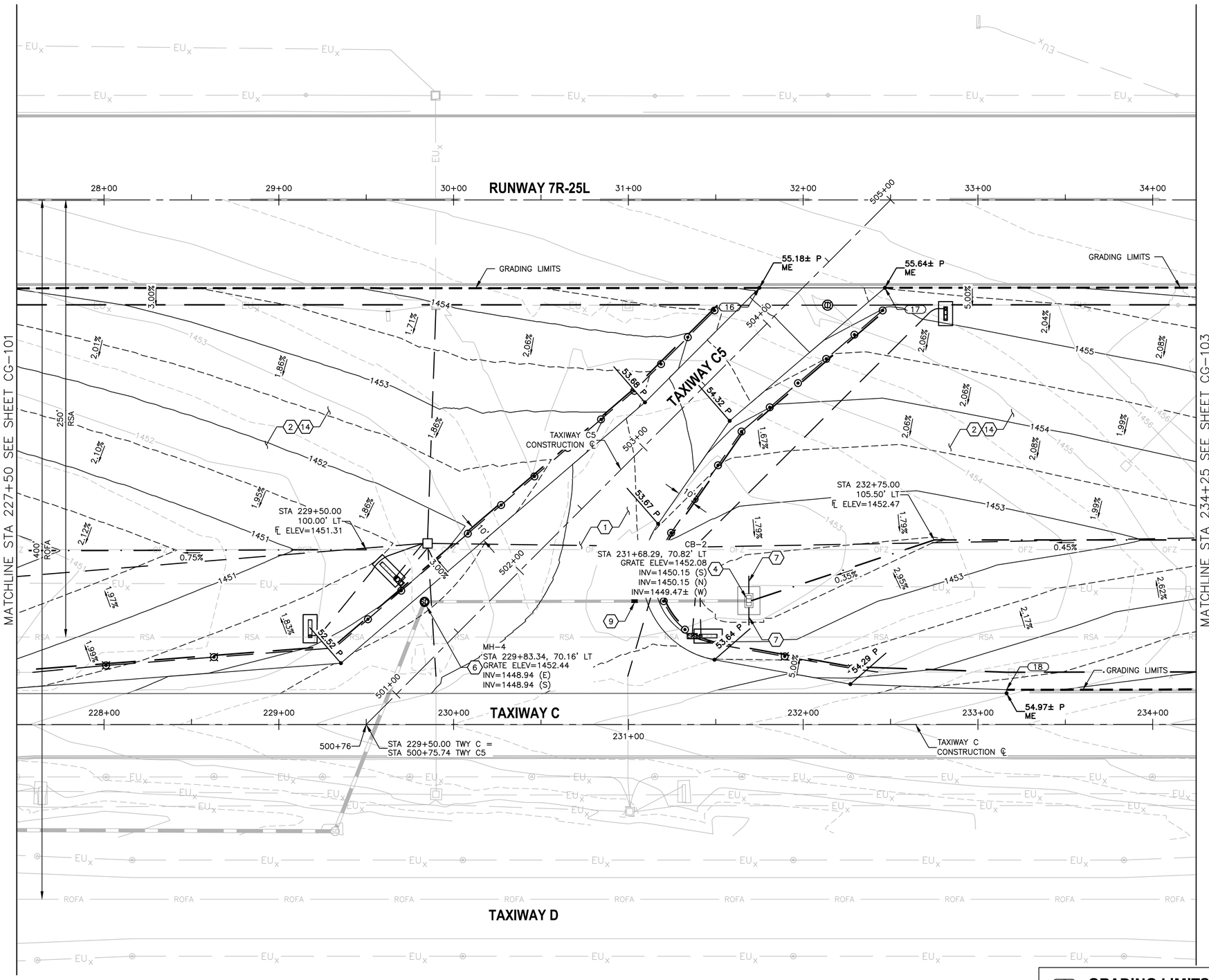
PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10
AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN
ADOT GRANT NUMBER(S): XXX

SHEET OVERVIEW TITLE
GRADING & DRAINAGE PLAN

SHEET REFERENCE NUMBER:
CG-101
SHEET 28 OF 76

N:\2022\221004 - DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\ AV31000096-CG-101.dwg - Apr 29,2026 - 1:21pm



GRADING LIMITS

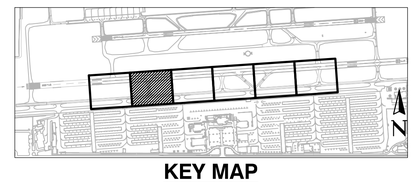
POINT #	NORTHING	EASTING
16	977789.74	648448.70
17	977794.66	648520.34
18	977570.03	648605.40

CONSTRUCTION NOTES

1. CONSTRUCT NEW AC PAVEMENT PER STRUCTURAL SECTION NO. 1
2. HAUL AND PLACE 4" DEPTH AGGREGATE SLOPE PROTECTION PER SPECIAL PROVISION ITEM 38
4. CONSTRUCT NEW AIRFIELD CONCRETE CATCH BASIN (TRIPLE GRATE) PER DETAIL D3 SHEET CU-502 WITH CONCRETE APRON PER ADOT STD DWG C-15.80
6. CONSTRUCT NEW SHALLOW STORM DRAIN MANHOLE PER COP STD DTL P1520 AND MAG STD DTL 522 WITH AIRCRAFT RATED FRAME AND COVER
7. INSTALL NEW 4" HDPE PERFORATED PIPE PER DETAIL D2 SHEET CU-501
9. INSTALL NEW 18" RGRCP (CLASS V) PER D-701
14. APPLY HERBICIDE AND PRE-EMERGENT PER MAG SECTION 430.8

REFERENCE NOTES

1. SEE SHEETS CD-101 THROUGH CD-106 FOR DEMOLITION PLAN
2. SEE SHEET CS-301 FOR TYPICAL SECTIONS AND PAVEMENT STRUCTURAL SECTIONS
3. SEE SHEETS CS-101 THROUGH CS-106 FOR THE GEOMETRIC LAYOUT PLAN FOR TAXIWAY CONNECTOR GEOMETRY
4. ADD 1400 TO ALL SPOT ELEVATIONS SHOWN IN PLAN VIEW
5. STATIONING IS BASED ON TWY C CONSTRUCTION ℄ UNLESS OTHERWISE NOTED
6. SEE ELECTRICAL SHEETS FOR ELECTRICAL WORK IN THIS AREA
7. PROVIDE 1.5" DROP FROM PAVEMENT ELEVATION PER TYPICAL SECTION, SHEET CS-301
8. EXISTING STRUCTURES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED



KEY MAP

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

N

0 30' 60'

SCALE:1"=30'

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10
AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

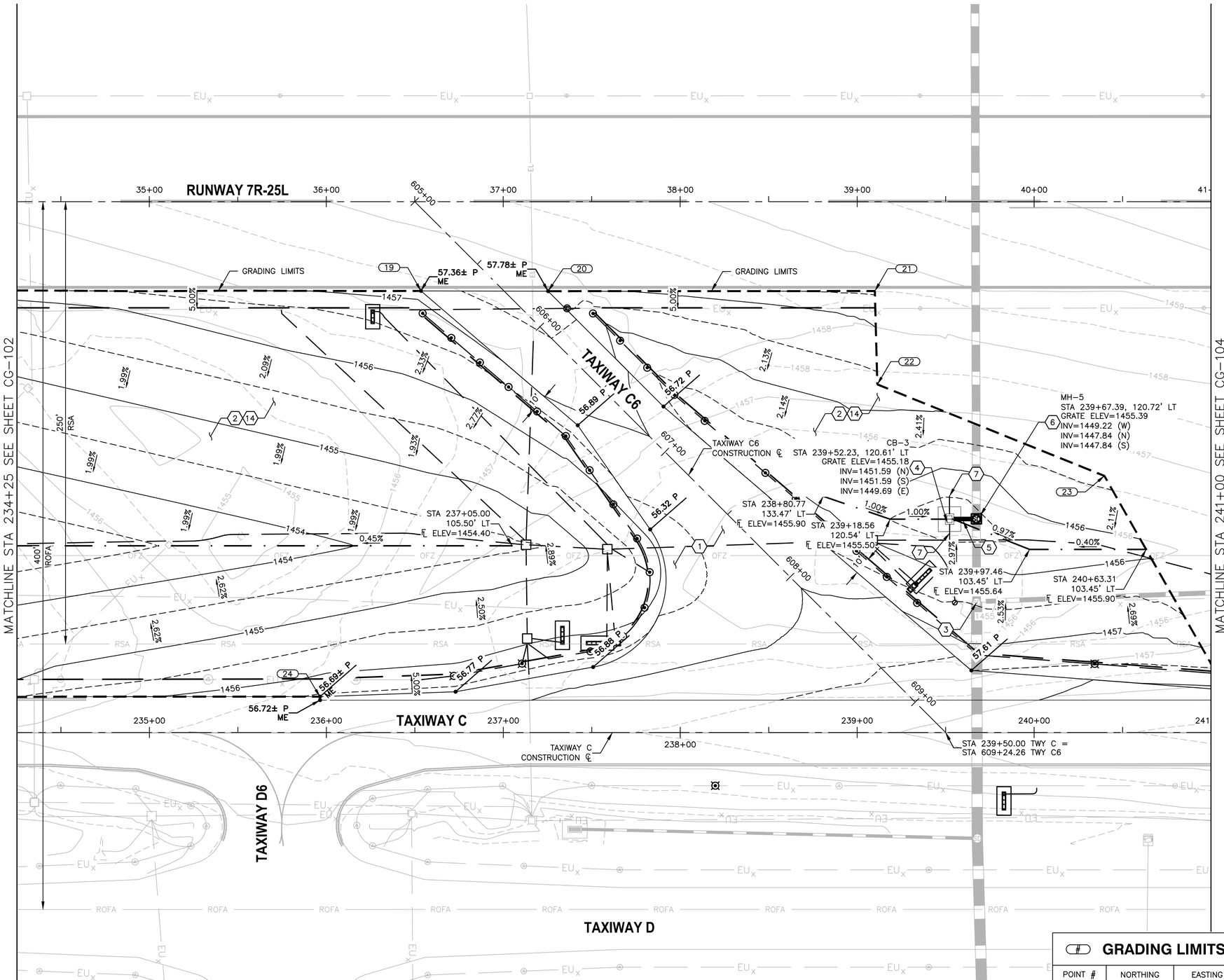
ADOT GRANT NUMBER(S):
XXX

SHEET OVERVIEW TITLE
GRADING & DRAINAGE PLAN

SHEET REFERENCE NUMBER:
CG-102

SHEET 29 OF 76

N:\2022\221004 - PVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\ AV31000096-CG-102.dwg - Apr 29,2026 1:21pm



GRADING LIMITS

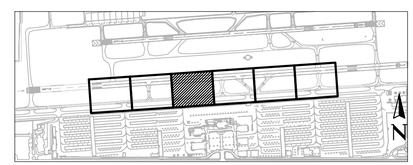
POINT #	NORTHING	EASTING
19	977822.12	648926.16
20	977826.90	648997.85
21	977839.51	649182.08
22	977786.96	649187.09
23	977744.11	649318.61
24	977589.53	648884.80

CONSTRUCTION NOTES

1. CONSTRUCT NEW AC PAVEMENT PER STRUCTURAL SECTION NO. 1
2. HAUL AND PLACE 4" DEPTH AGGREGATE SLOPE PROTECTION PER SPECIAL PROVISION ITEM 38
3. ADJUST EXISTING STRUCTURE TO GRADE
4. CONSTRUCT NEW AIRFIELD CONCRETE CATCH BASIN (TRIPLE GRATE) PER DETAIL D3 SHEET CU-502 WITH CONCRETE APRON PER ADOT STD DWG C-15.80
5. INSTALL NEW 24" RGRCP (CLASS V) PER D-701
6. CONSTRUCT NEW SHALLOW STORM DRAIN MANHOLE PER COP STD DTL P1520 AND MAG STD DTL 522 WITH AIRCRAFT RATED FRAME AND COVER
7. INSTALL NEW 4" HDPE PERFORATED PIPE PER DETAIL D2 SHEET CU-501
14. APPLY HERBICIDE AND PRE-EMERGENT PER MAG SECTION 430.8

REFERENCE NOTES

1. SEE SHEETS CD-101 THROUGH CD-106 FOR DEMOLITION PLAN
2. SEE SHEET CS-301 FOR TYPICAL SECTIONS AND PAVEMENT STRUCTURAL SECTIONS
3. SEE SHEETS CS-101 THROUGH CS-106 FOR THE GEOMETRIC LAYOUT PLAN FOR TAXIWAY CONNECTOR GEOMETRY
4. ADD 1400 TO ALL SPOT ELEVATIONS SHOWN IN PLAN VIEW
5. STATIONING IS BASED ON TWY C CONSTRUCTION ℄ UNLESS OTHERWISE NOTED
6. SEE ELECTRICAL SHEETS FOR ELECTRICAL WORK IN THIS AREA
7. PROVIDE 1.5" DROP FROM PAVEMENT ELEVATION PER TYPICAL SECTION, SHEET CS-301
8. EXISTING STRUCTURES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED



KEY MAP

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

N

0 30' 60'

SCALE:1"=30'

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

SUB CONSULTANT

90% SUBMITTAL

PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT GYR
CITY OF PHOENIX AVIATION DEPARTMENT

DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

ADOT GRANT NUMBER(S): XXX

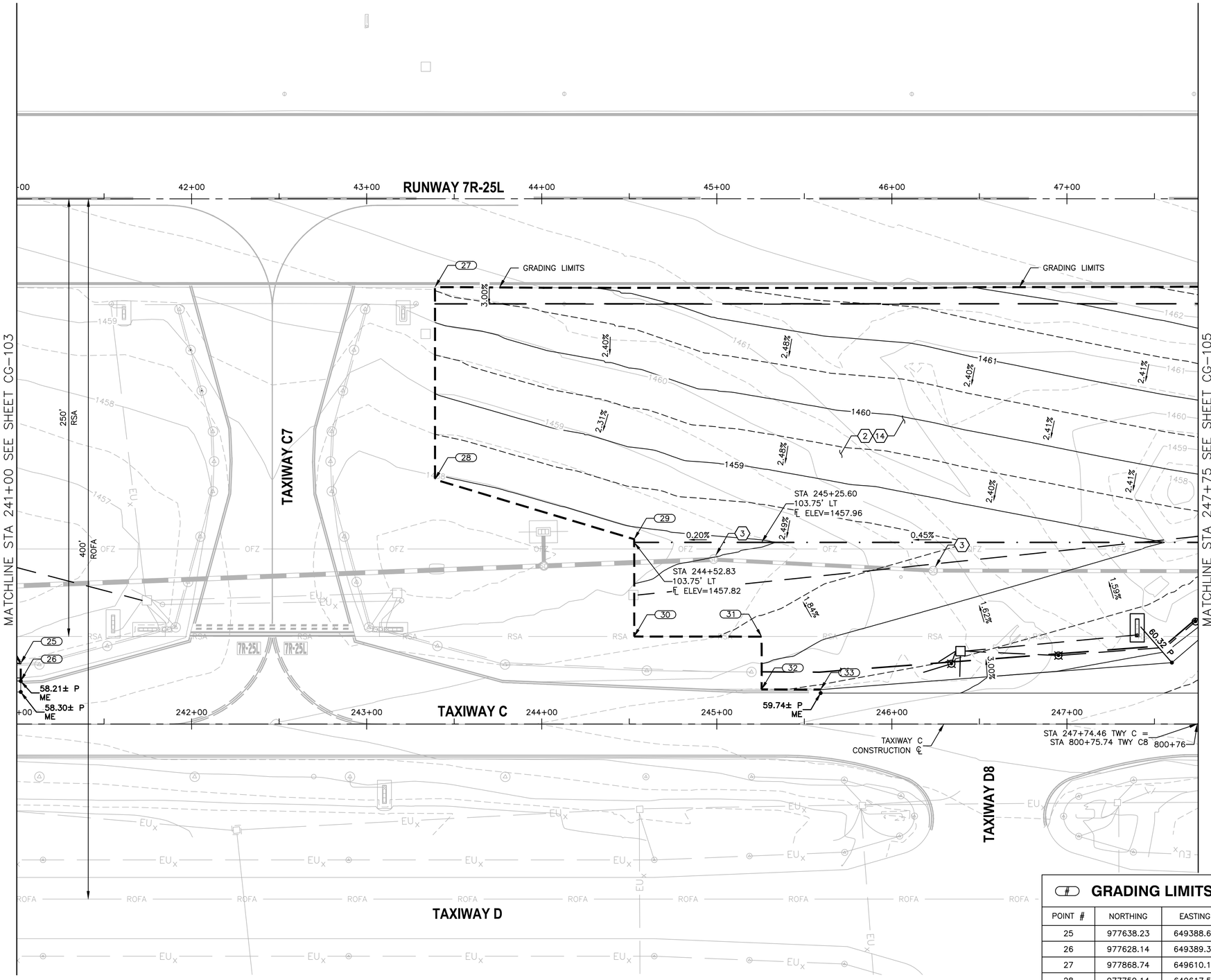
SHEET OVERVIEW TITLE

GRADING & DRAINAGE PLAN

SHEET REFERENCE NUMBER: CG-103

SHEET 30 OF 76

N:\2022\221004 - DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\ AV31000096-CG-103.dwg - Apr 28,2026 - 1:21pm



CONSTRUCTION NOTES

(2) HAUL AND PLACE 4" DEPTH AGGREGATE SLOPE PROTECTION PER SPECIAL PROVISION ITEM 38

(3) ADJUST EXISTING STRUCTURE TO GRADE

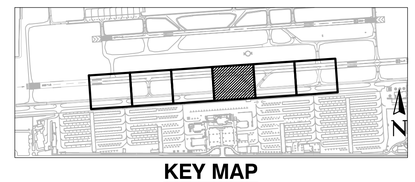
(14) APPLY HERBICIDE AND PRE-EMERGENT PER MAG SECTION 430.8

REFERENCE NOTES

1. SEE SHEETS CD-101 THROUGH CD-106 FOR DEMOLITION PLAN
2. SEE SHEET CS-301 FOR TYPICAL SECTIONS AND PAVEMENT STRUCTURAL SECTIONS
3. SEE SHEETS CS-101 THROUGH CS-106 FOR THE GEOMETRIC LAYOUT PLAN FOR TAXIWAY CONNECTOR GEOMETRY
4. ADD 1400 TO ALL SPOT ELEVATIONS SHOWN IN PLAN VIEW
5. STATIONING IS BASED ON TWY C CONSTRUCTION ℄ UNLESS OTHERWISE NOTED
6. SEE ELECTRICAL SHEETS FOR ELECTRICAL WORK IN THIS AREA
7. PROVIDE 1.5" DROP FROM PAVEMENT ELEVATION PER TYPICAL SECTION, SHEET CS-301
8. EXISTING STRUCTURES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED

GRADING LIMITS

#	NORTHING	EASTING
25	977638.23	649388.63
26	977628.14	649389.32
27	977868.74	649610.12
28	977759.14	649617.59
29	977732.84	649733.44
30	977677.39	649737.22
31	977682.27	649809.83
32	977652.22	649811.88
33	977654.37	649845.52



KEY MAP

N

0 30' 60'

SCALE:1"=30'

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

ADOT GRANT NUMBER(S): XXX

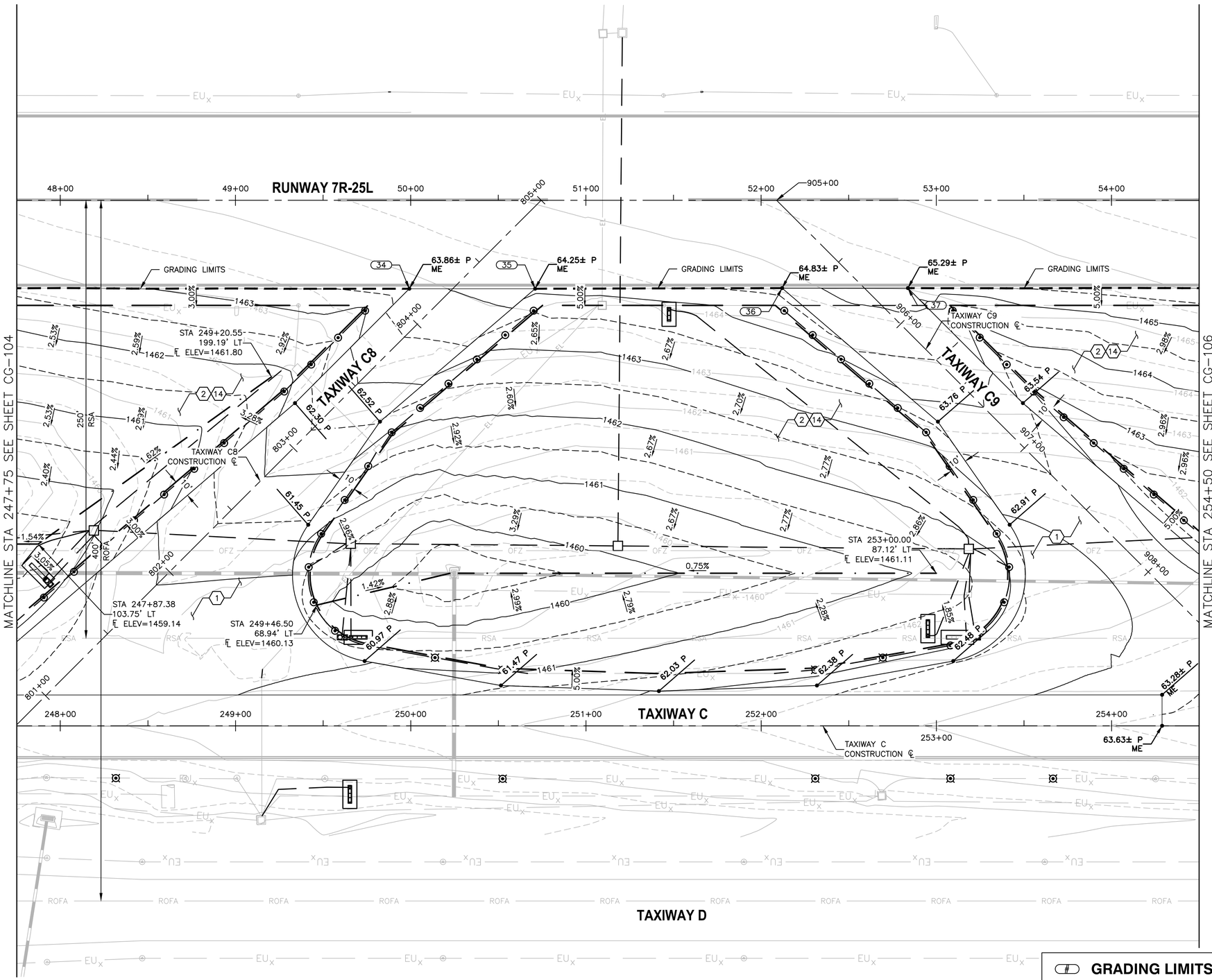
SHEET OVERVIEW TITLE

GRADING & DRAINAGE PLAN

SHEET REFERENCE NUMBER:
CG-104

SHEET 31 OF 76

N:\2022\221004 - DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\AV31000096-CG-104.dwg - Apr 29,2026 1:21pm



CONSTRUCTION NOTES

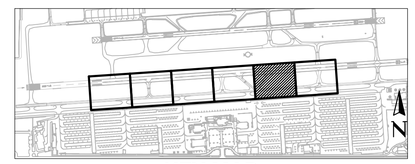
1. CONSTRUCT NEW AC PAVEMENT PER STRUCTURAL SECTION NO. 1
2. HAUL AND PLACE 4" DEPTH AGGREGATE SLOPE PROTECTION PER SPECIAL PROVISION ITEM 38
14. APPLY HERBICIDE AND PRE-EMERGENT PER MAG SECTION 430.8

REFERENCE NOTES

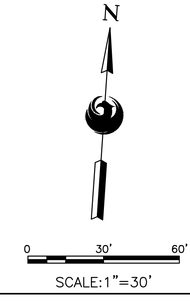
1. SEE SHEETS CD-101 THROUGH CD-106 FOR DEMOLITION PLAN
2. SEE SHEET CS-301 FOR TYPICAL SECTIONS AND PAVEMENT STRUCTURAL SECTIONS
3. SEE SHEETS CS-101 THROUGH CS-106 FOR THE GEOMETRIC LAYOUT PLAN FOR TAXIWAY CONNECTOR GEOMETRY
4. ADD 1400 TO ALL SPOT ELEVATIONS SHOWN IN PLAN VIEW
5. STATIONING IS BASED ON TWY C CONSTRUCTION ℄ UNLESS OTHERWISE NOTED
6. SEE ELECTRICAL SHEETS FOR ELECTRICAL WORK IN THIS AREA
7. PROVIDE 1.5" DROP FROM PAVEMENT ELEVATION PER TYPICAL SECTION, SHEET CS-301
8. EXISTING STRUCTURES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED

GRADING LIMITS

POINT #	NORTHING	EASTING
34	977913.59	650268.75
35	977918.51	650340.35
36	977928.41	650481.01
37	977933.28	650552.64



KEY MAP



SCALE:1"=30'

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

ADOT GRANT NUMBER(S):
XXX

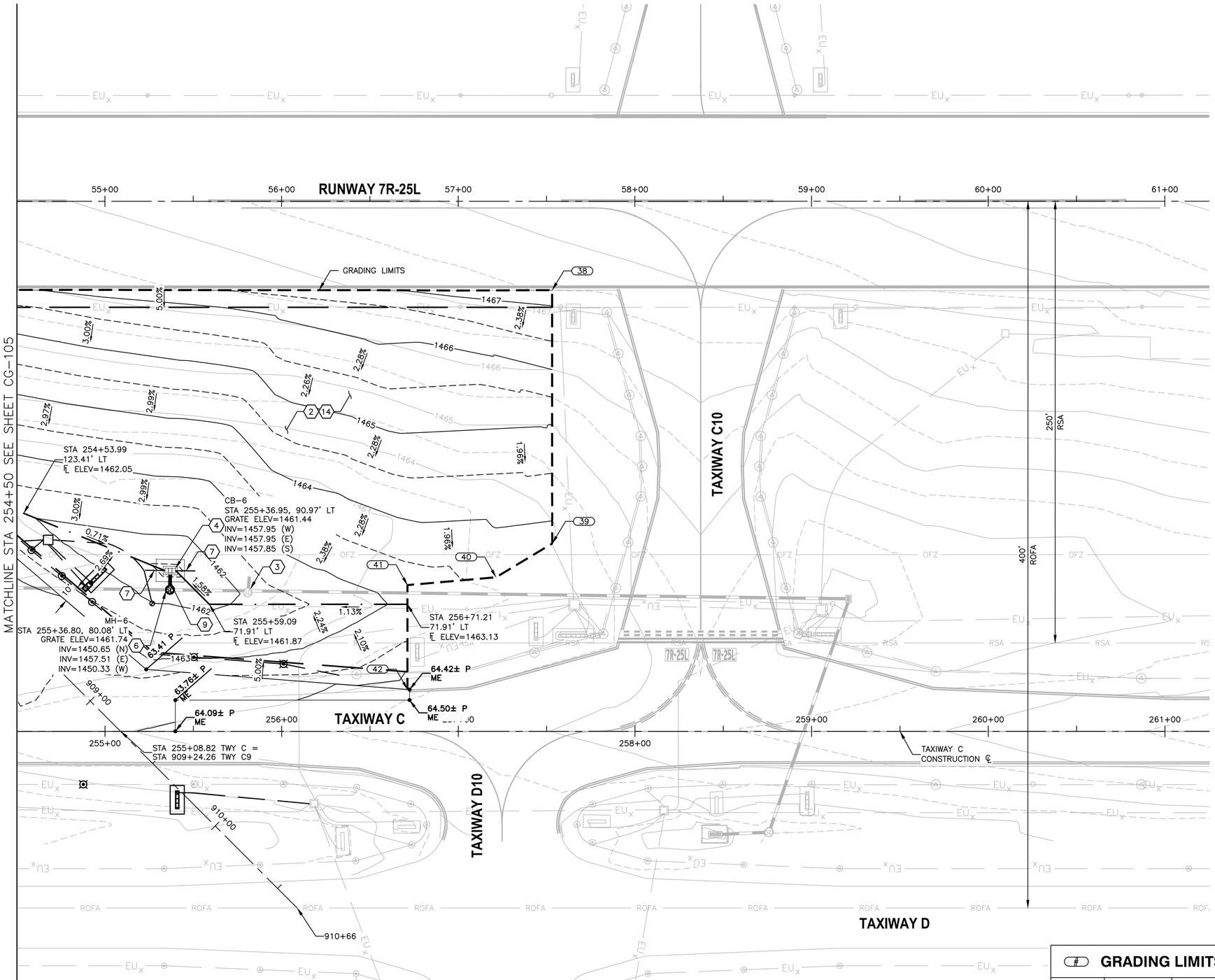
SHEET OVERVIEW TITLE

GRADING & DRAINAGE PLAN

SHEET REFERENCE NUMBER:
CG-105

SHEET 32 OF 76

N:\2022\221004 - DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\ AV31000096-CG-105.dwg - Apr 29,2026 1:22pm



CONSTRUCTION NOTES

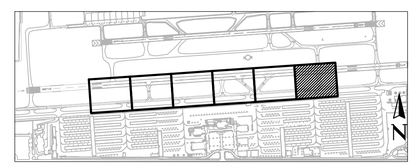
1. CONSTRUCT NEW AC PAVEMENT PER STRUCTURAL SECTION NO. 1
2. HAUL AND PLACE 4" DEPTH AGGREGATE SLOPE PROTECTION PER SPECIAL PROVISION ITEM 38
3. ADJUST EXISTING STRUCTURE TO GRADE
4. CONSTRUCT NEW AIRFIELD CONCRETE CATCH BASIN (TRIPLE GRATE) PER DETAIL D3 SHEET CU-502 WITH CONCRETE APRON PER ADOT STD DWG C-15.80
6. CONSTRUCT NEW SHALLOW STORM DRAIN MANHOLE PER COP STD DTL P1520 AND MAG STD DTL 522 WITH AIRCRAFT RATED FRAME AND COVER
7. INSTALL NEW 4" HDPE PERFORATED PIPE PER DETAIL D2 SHEET CU-501
9. INSTALL NEW 18" RGRCP (CLASS V) PER D-701
14. APPLY HERBICIDE AND PRE-EMERGENT PER MAG SECTION 430.8

REFERENCE NOTES

1. SEE SHEETS CD-101 THROUGH CD-106 FOR DEMOLITION PLAN
2. SEE SHEET CS-301 FOR TYPICAL SECTIONS AND PAVEMENT STRUCTURAL SECTIONS
3. SEE SHEETS CS-101 THROUGH CS-106 FOR THE GEOMETRIC LAYOUT PLAN FOR TAXIWAY CONNECTOR GEOMETRY
4. ADD 1400 TO ALL SPOT ELEVATIONS SHOWN IN PLAN VIEW
5. STATIONING IS BASED ON TWY C CONSTRUCTION ℄ UNLESS OTHERWISE NOTED
6. SEE ELECTRICAL SHEETS FOR ELECTRICAL WORK IN THIS AREA
7. PROVIDE 1.5" DROP FROM PAVEMENT ELEVATION PER TYPICAL SECTION, SHEET CS-301
8. EXISTING STRUCTURES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED

GRADING LIMITS

POINT #	NORTHING	EASTING
38	977965.07	651020.96
39	977821.98	651030.71
40	977800.79	651000.28
41	977792.95	650950.55
42	977734.02	650954.57



KEY MAP

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

N
0 30' 60'
SCALE:1"=30'

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10
AV31000096 FAA/ADOT

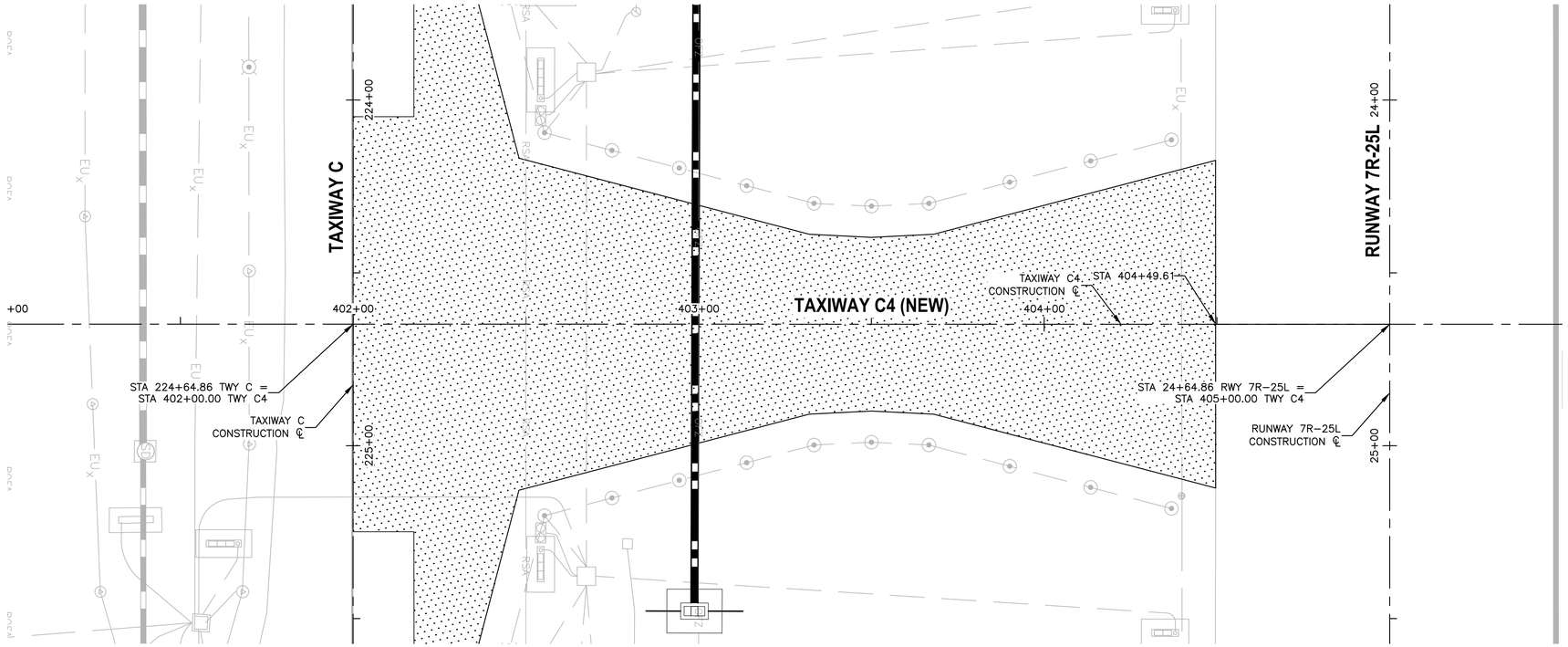
Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

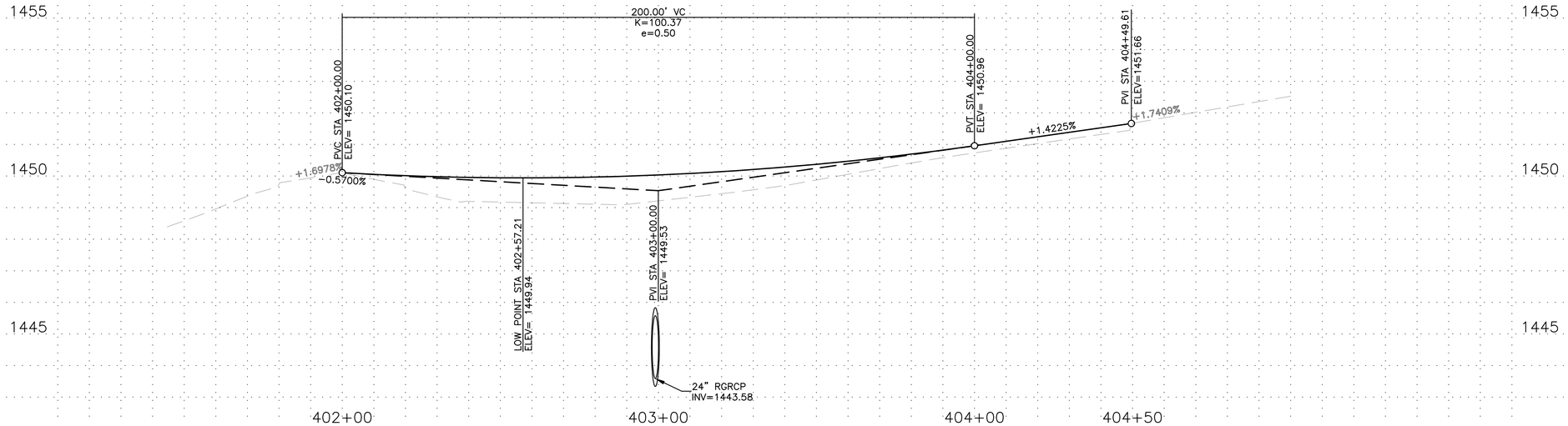
ADOT GRANT NUMBER(S):
XXX

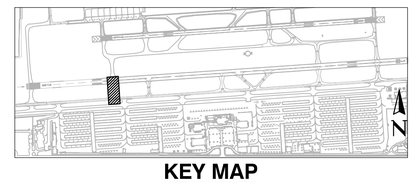
SHEET OVERVIEW TITLE
GRADING & DRAINAGE PLAN

SHEET REFERENCE NUMBER:
CG-106
SHEET 33 OF 76

N:\2022\221004 - DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\ AV31000096-CG-106.dwg - Apr 29,2026 1:22pm







KEY MAP

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

N
0 20' 40'
HORIZ SCALE:1"=20'
VERT SCALE:1"=2'

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

SUB CONSULTANT

90% SUBMITTAL

PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT

DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

ADOT GRANT NUMBER(S):
XXX

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

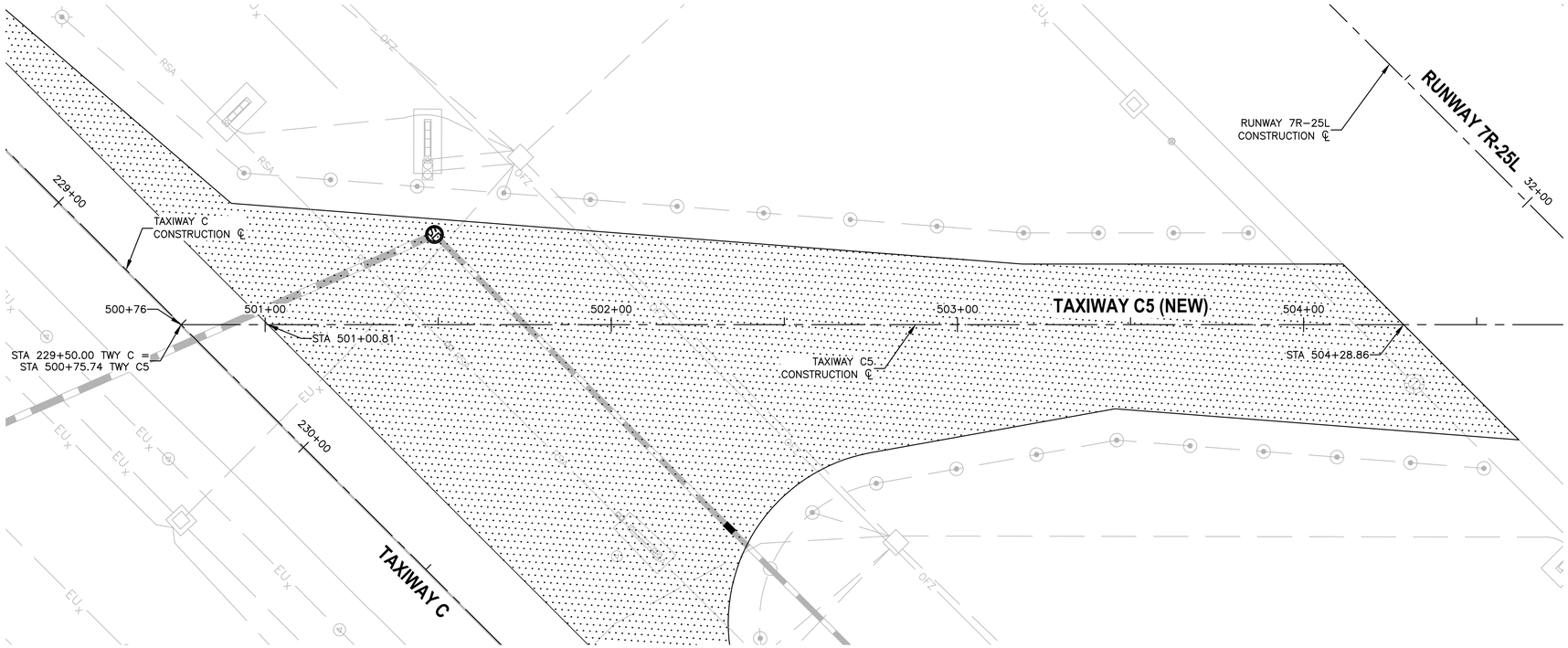
SHEET OVERVIEW TITLE

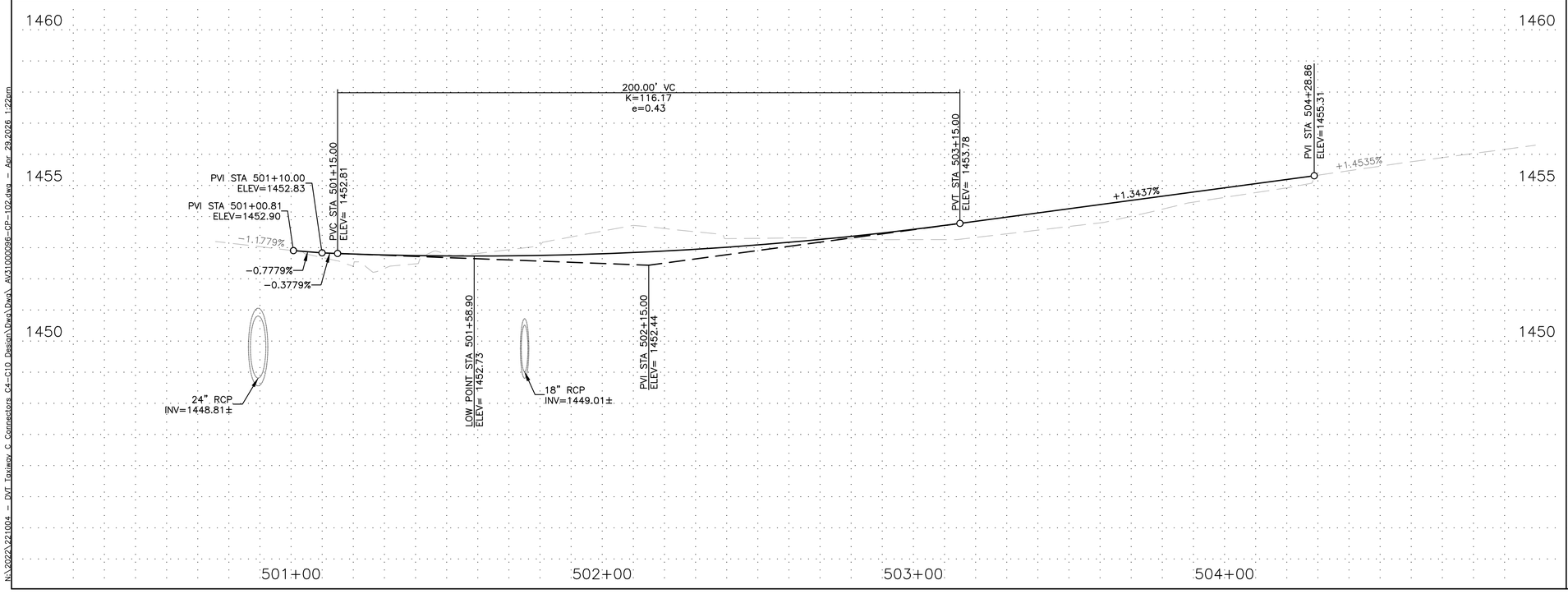
TAXIWAY C4 PLAN & PROFILE

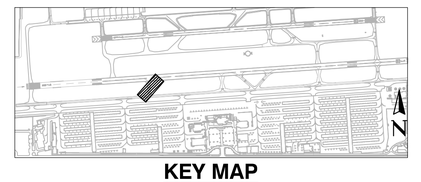
SHEET REFERENCE NUMBER:
CP-101

SHEET 34 OF 76

N:\2022\221004 - DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\ AV31000096_CP-101.dwg - Apr 29,2026 1:22pm

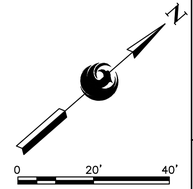






KEY MAP

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



HORIZ SCALE:1"=20'
VERT SCALE:1"=2'

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

SUB CONSULTANT

90%
SUBMITTAL

PRELIMINARY
NOT FOR
CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT

DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

ADOT GRANT NUMBER(S):
XXX

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

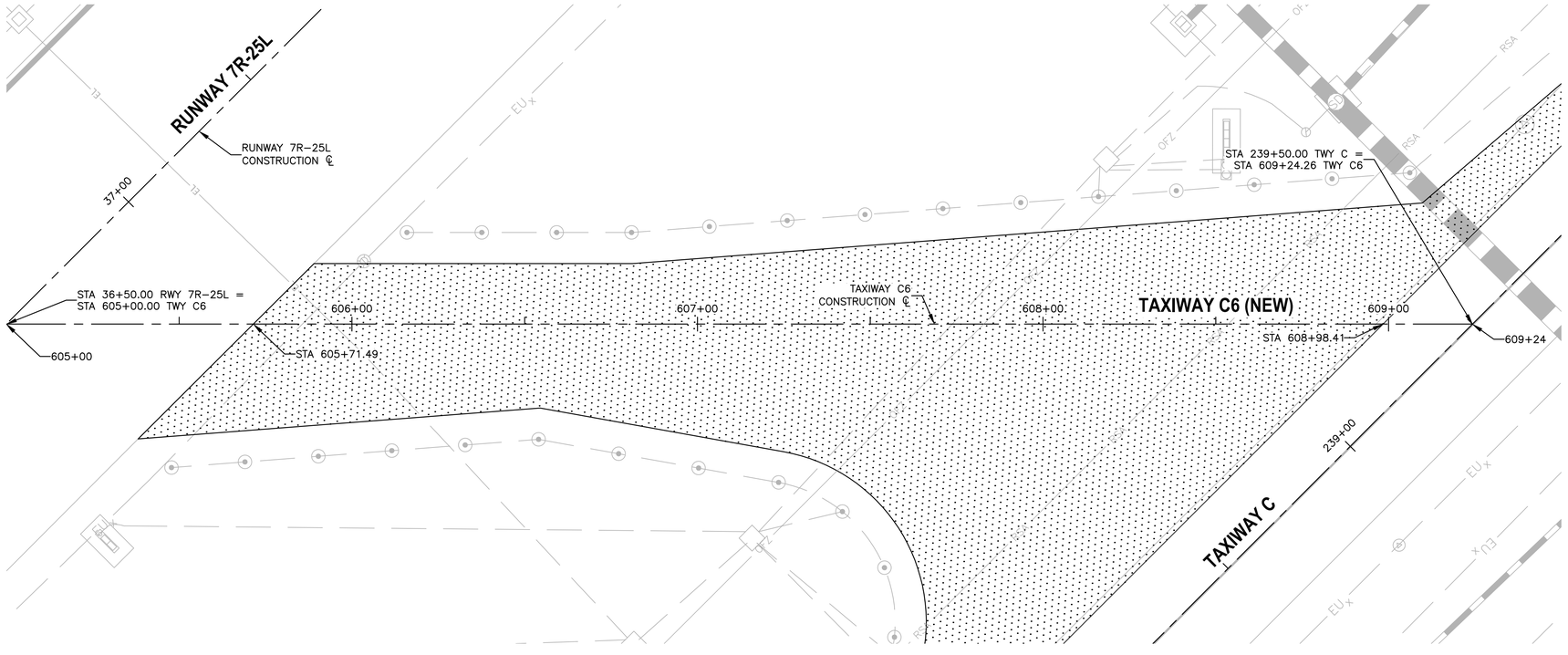
SHEET OVERVIEW TITLE

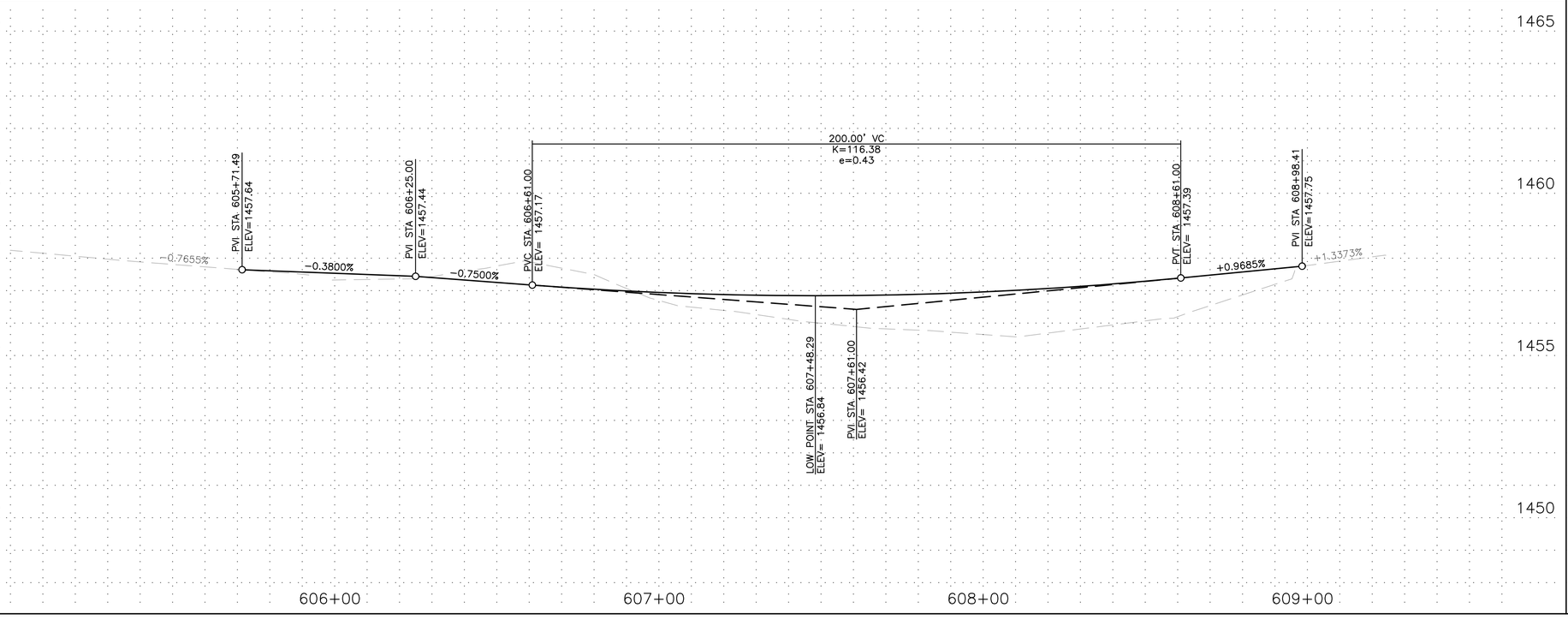
TAXIWAY C5 PLAN & PROFILE

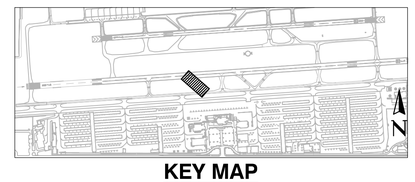
SHEET REFERENCE NUMBER:
CP-102

SHEET 35 OF 76

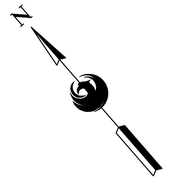
N:\2022\221004 - DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\AV31000096_CP-102.dwg - Apr 29,2026 1:22pm







KEY MAP



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

0 20' 40'
HORIZ SCALE:1"=20'
VERT SCALE:1"=2'

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT

DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

ADOT GRANT NUMBER(S):
XXX

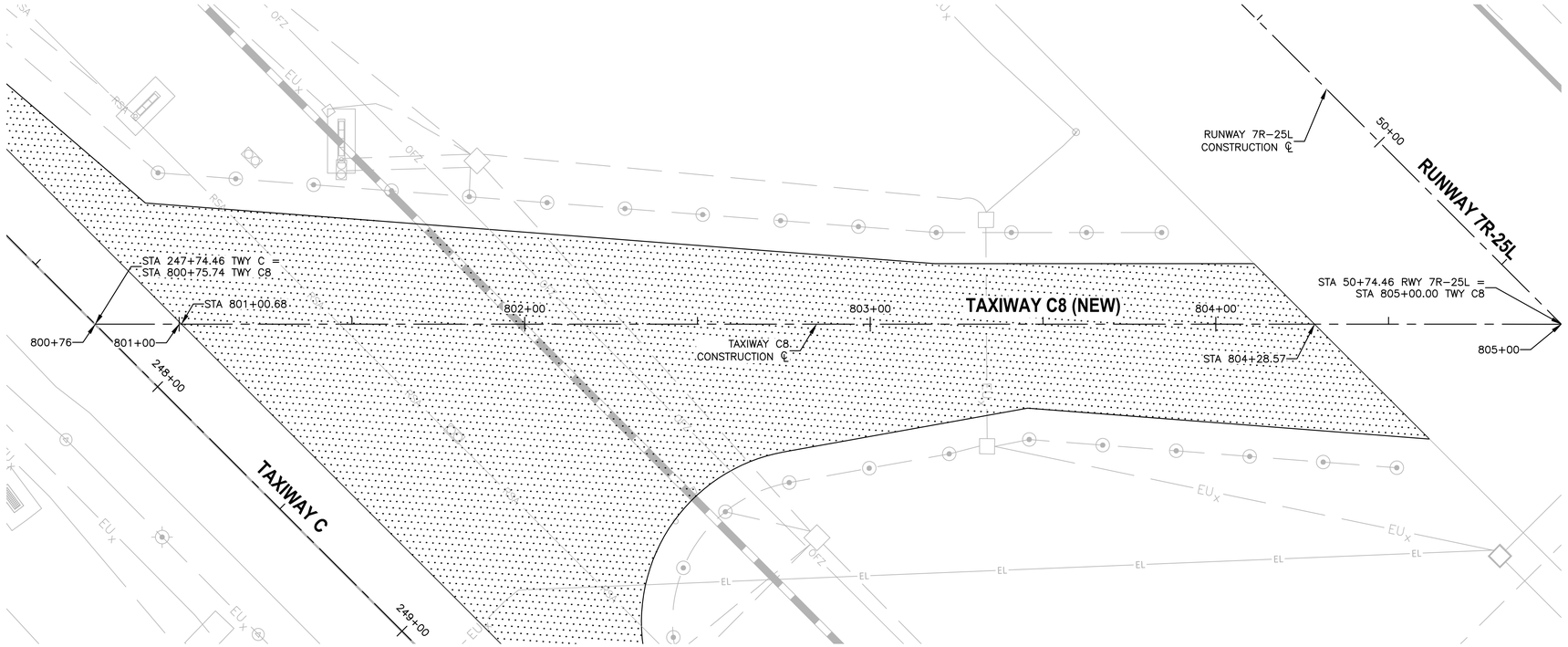
SHEET OVERVIEW TITLE

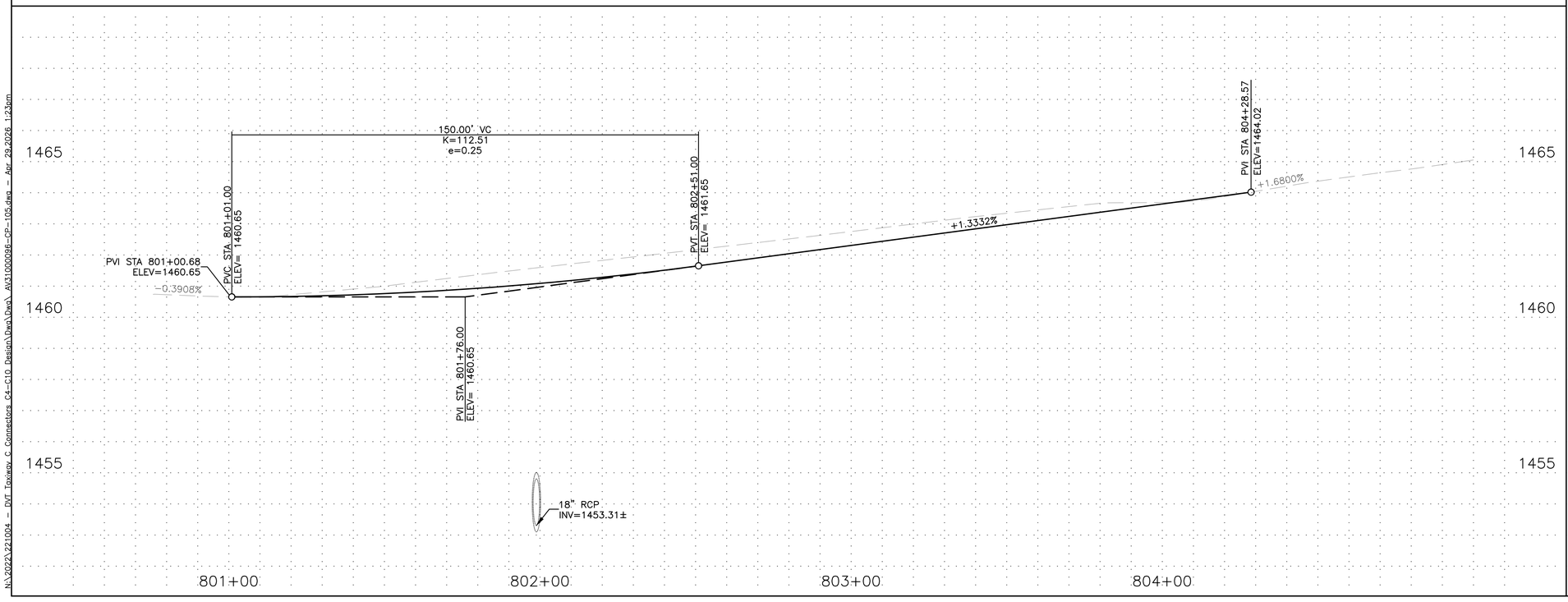
TAXIWAY C6 PLAN & PROFILE

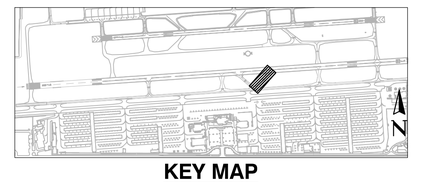
SHEET REFERENCE NUMBER:
CP-103

SHEET 36 OF 76

N:\2022\221004 - DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\AV31000096_CP-103.dwg - Apr 29,2026 1:23pm

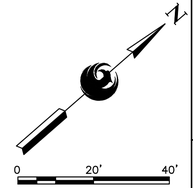






KEY MAP

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



HORIZ SCALE:1"=20'
VERT SCALE:1"=2'

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

SUB CONSULTANT

90%
SUBMITTAL

PRELIMINARY
NOT FOR
CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT

DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

ADOT GRANT NUMBER(S):
XXX

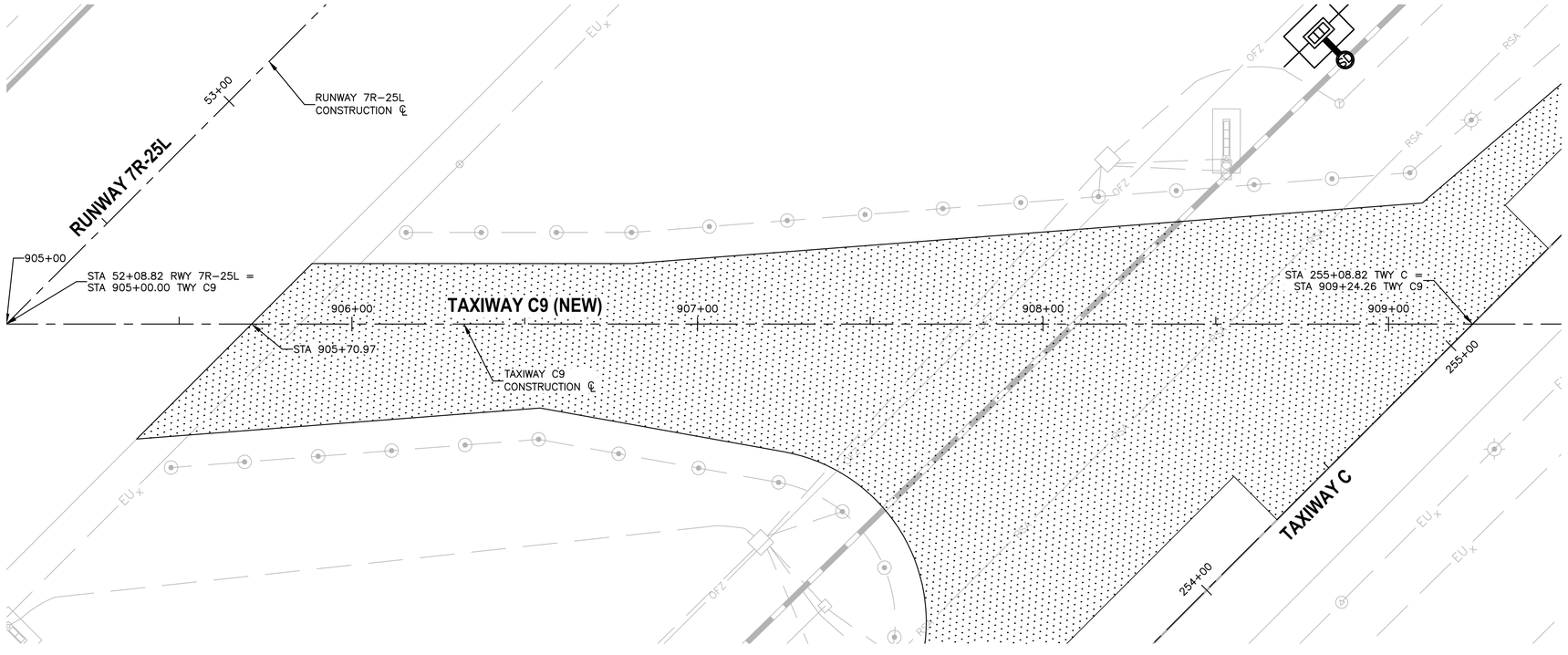
SHEET OVERVIEW TITLE

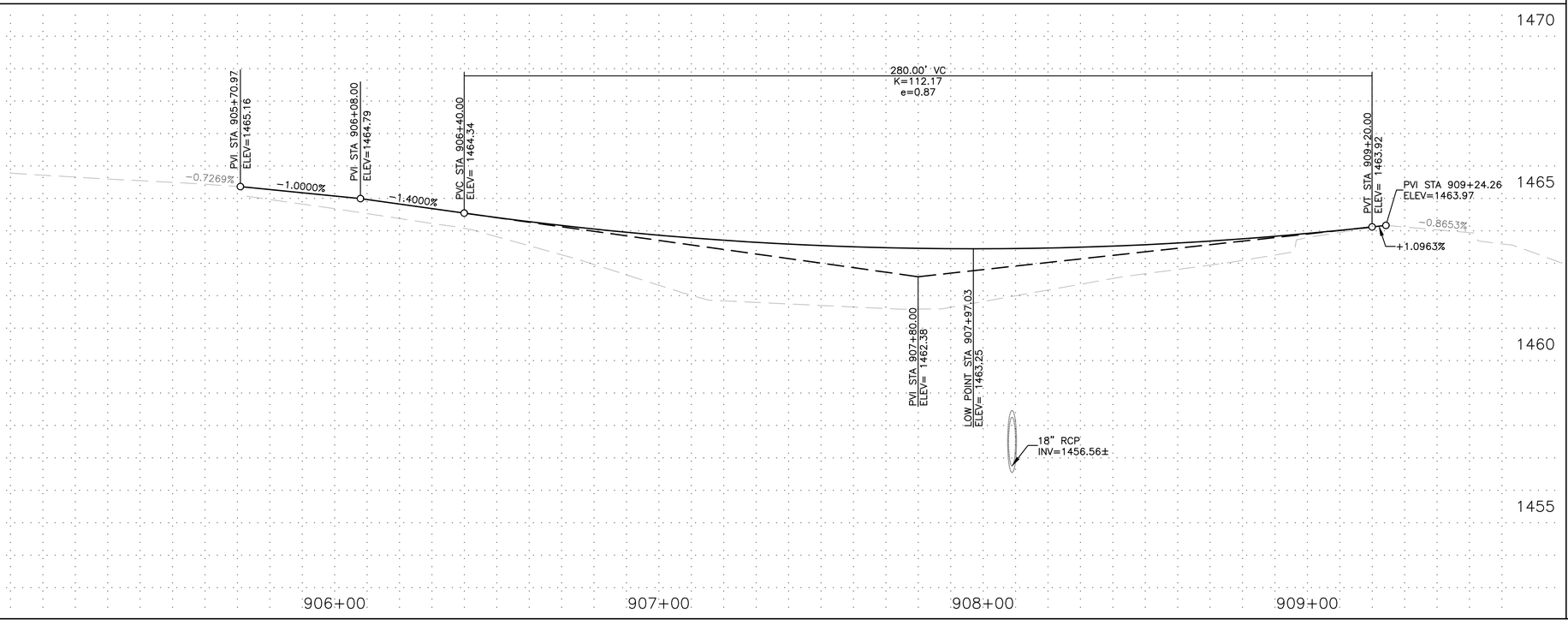
TAXIWAY C8 PLAN & PROFILE

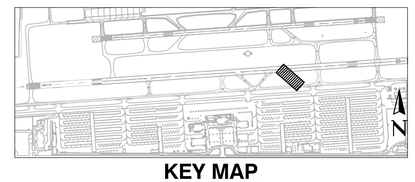
SHEET REFERENCE NUMBER:
CP-104

SHEET 37 OF 76

N:\2022\221004 - PVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\ AV31000096-CP-105.dwg - Apr 29,2026 1:23pm

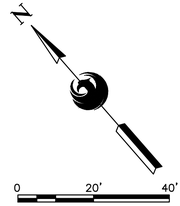






KEY MAP

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



HORIZ SCALE:1"=20'
VERT SCALE:1"=2'

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

SUB CONSULTANT

90%
SUBMITTAL

PRELIMINARY
NOT FOR
CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT

DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

ADOT GRANT NUMBER(S):
XXX

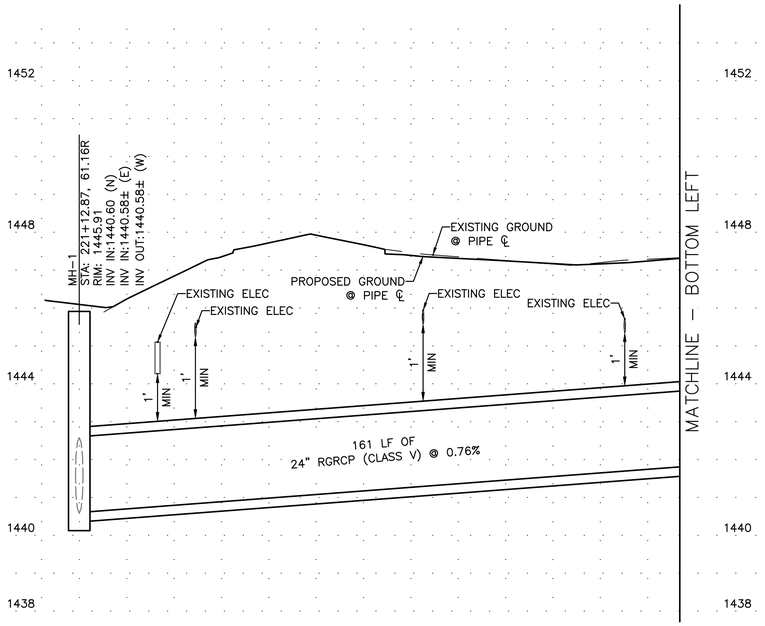
SHEET OVERVIEW TITLE

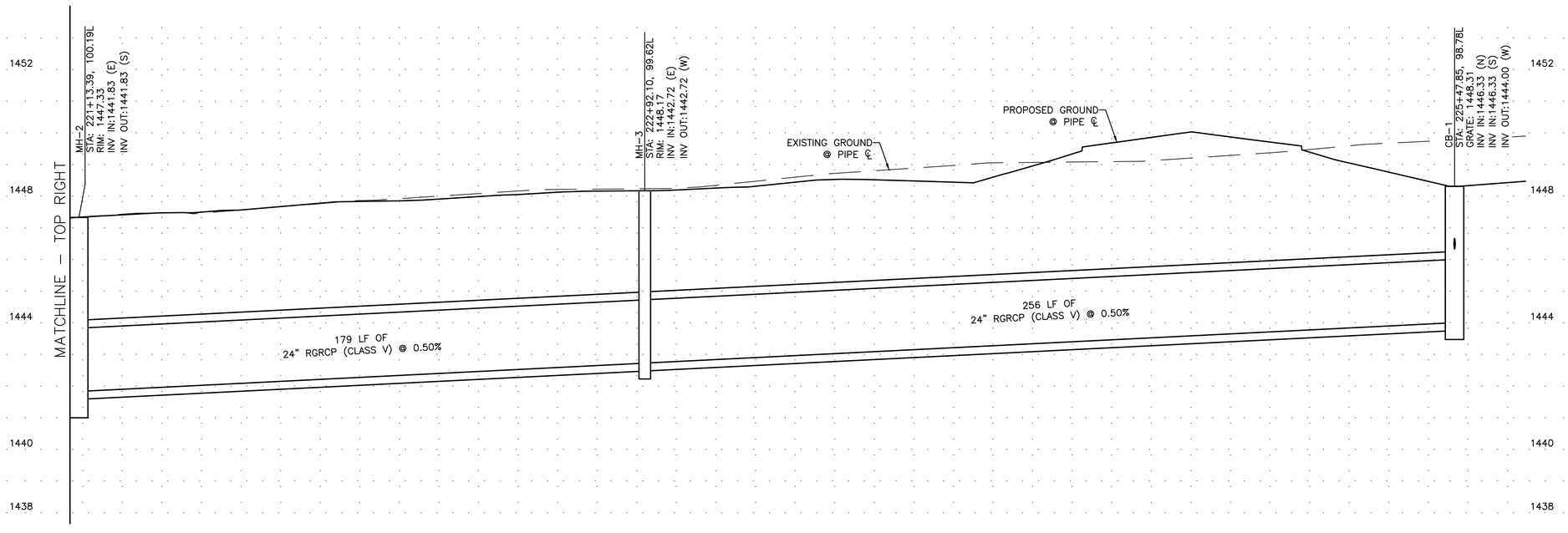
TAXIWAY C9 PLAN & PROFILE

SHEET REFERENCE NUMBER:
CP-105

SHEET 38 OF 76

N:\2022\221004 - DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\AV31000096-CP-106.dwg - Apr 29,2026 3:46pm





STORM DRAIN PROFILE SD-1

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

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

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

SUB CONSULTANT

90%
SUBMITTAL

PRELIMINARY
NOT FOR
CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

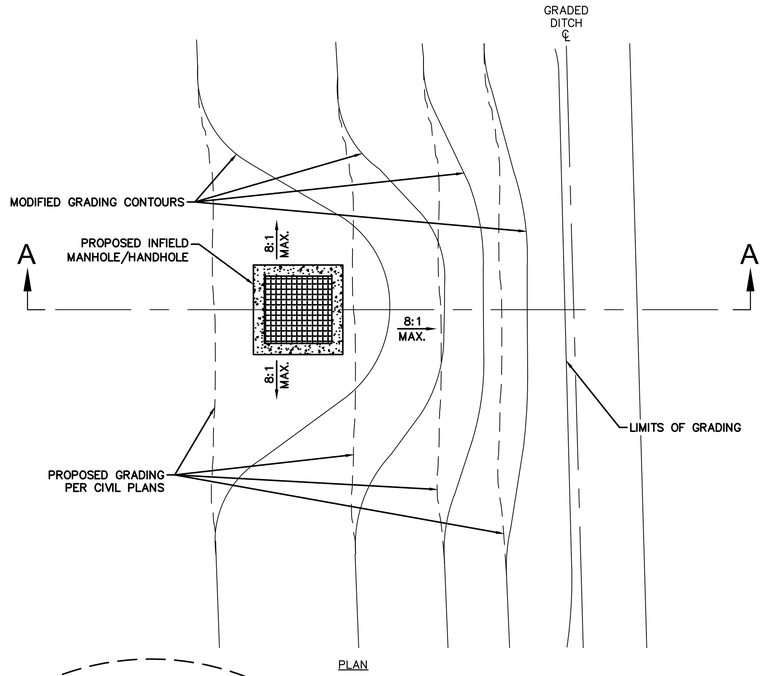
ADOT GRANT NUMBER(S):
XXX

SHEET OVERVIEW TITLE
STORM DRAIN CONNECTOR
PIPE PROFILES

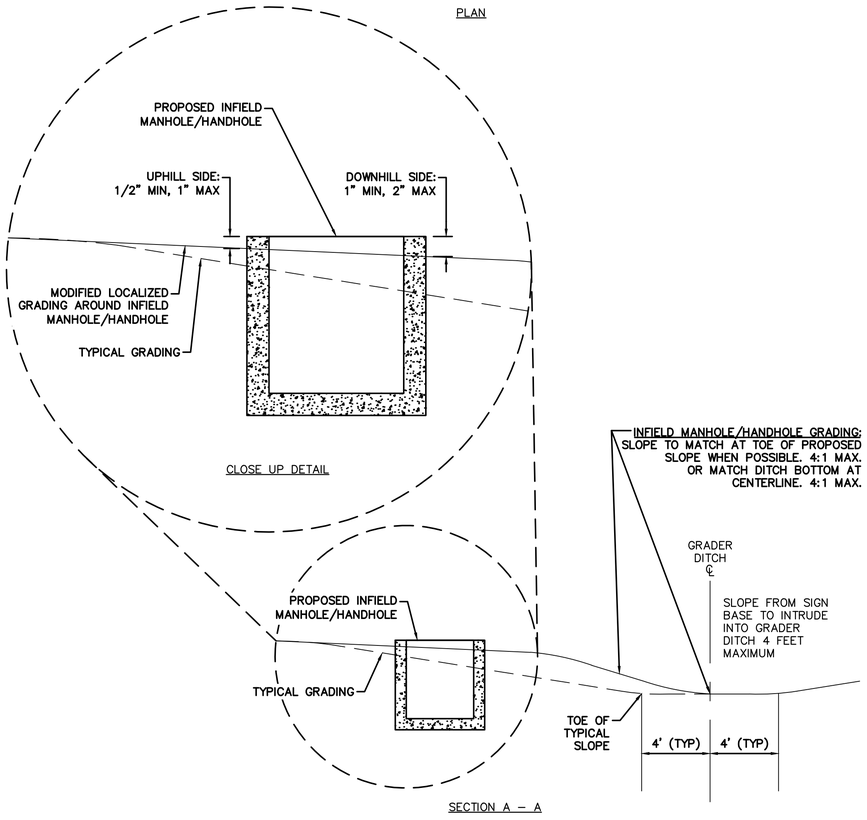
SHEET REFERENCE NUMBER:
CU-201

SHEET 39 OF 76

N:\2022\221004 - DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\ AV31000096-CU-201.dwg - Apr 23,2026 1:23pm



PLAN

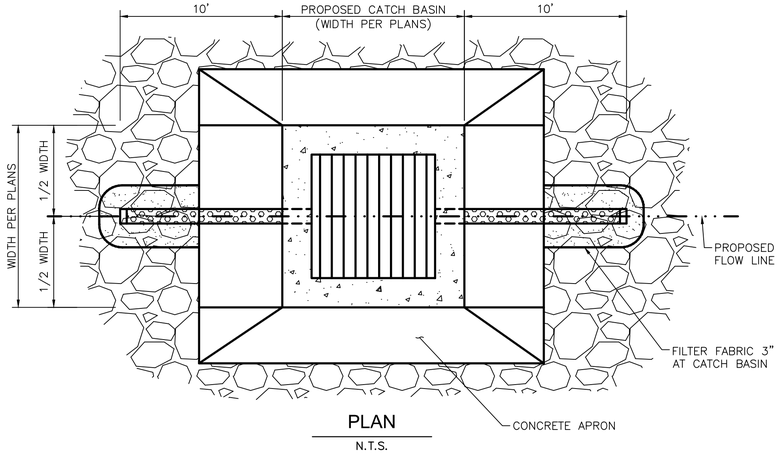


D1 / CU-501 **INFIELD MANHOLE / HANDHOLE LOCALIZED GRADING DETAIL**

NTS

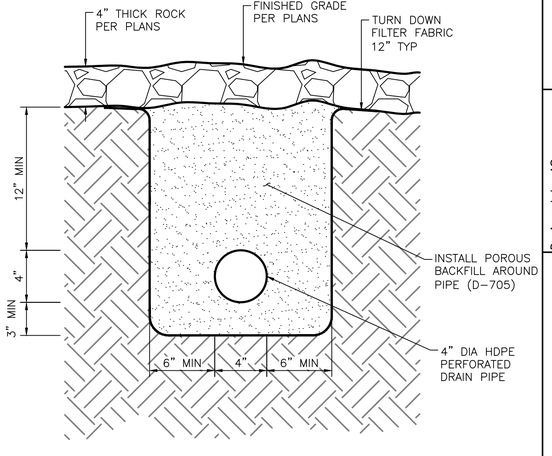
PROFILE

N.T.S.



PLAN

N.T.S.



SECTION "A-A"

N.T.S.

D2 / CU-501 **PERFORATED DRAIN PIPE DETAIL**

NTS

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

SUB CONSULTANT

90% SUBMITTAL

PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT

CITY OF PHOENIX AVIATION DEPARTMENT

DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

ADOT GRANT NUMBER(S): XXX

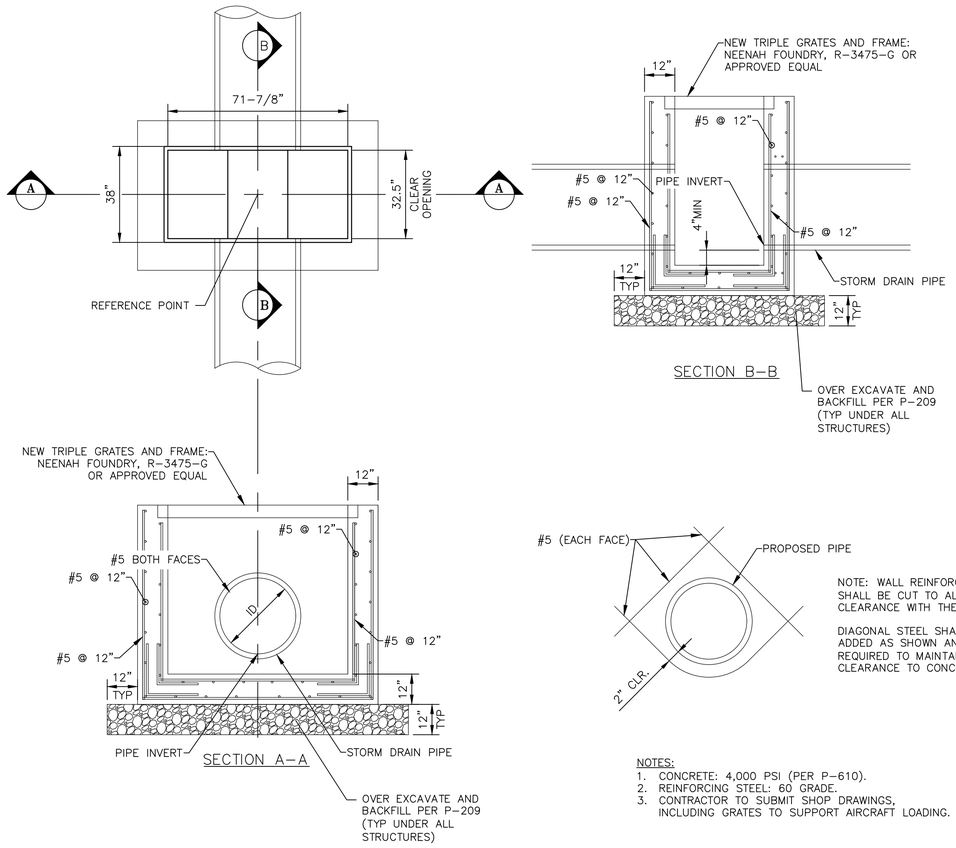
SHEET OVERVIEW TITLE

GRADING AND DRAINAGE DETAILS

SHEET REFERENCE NUMBER: CU-501

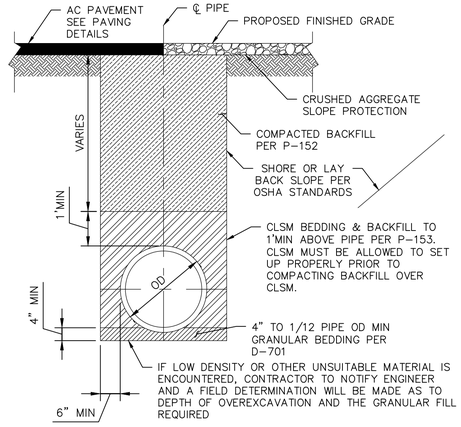
SHEET 40 OF 76

N:\2022\221004 – DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\ AV31000096-CU-501.dwg – Apr 23,2026 1:23pm



NOTES:
1. CONCRETE: 4,000 PSI (PER P-610).
2. REINFORCING STEEL: 60 GRADE.
3. CONTRACTOR TO SUBMIT SHOP DRAWINGS, INCLUDING GRATES TO SUPPORT AIRCRAFT LOADING.

D3 / CU-502 **NEW TRIPLE GRATE CATCH BASIN**
NTS



D4 / CU-502 **STORM DRAIN PIPE TRENCH DETAIL**
NTS

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10
AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

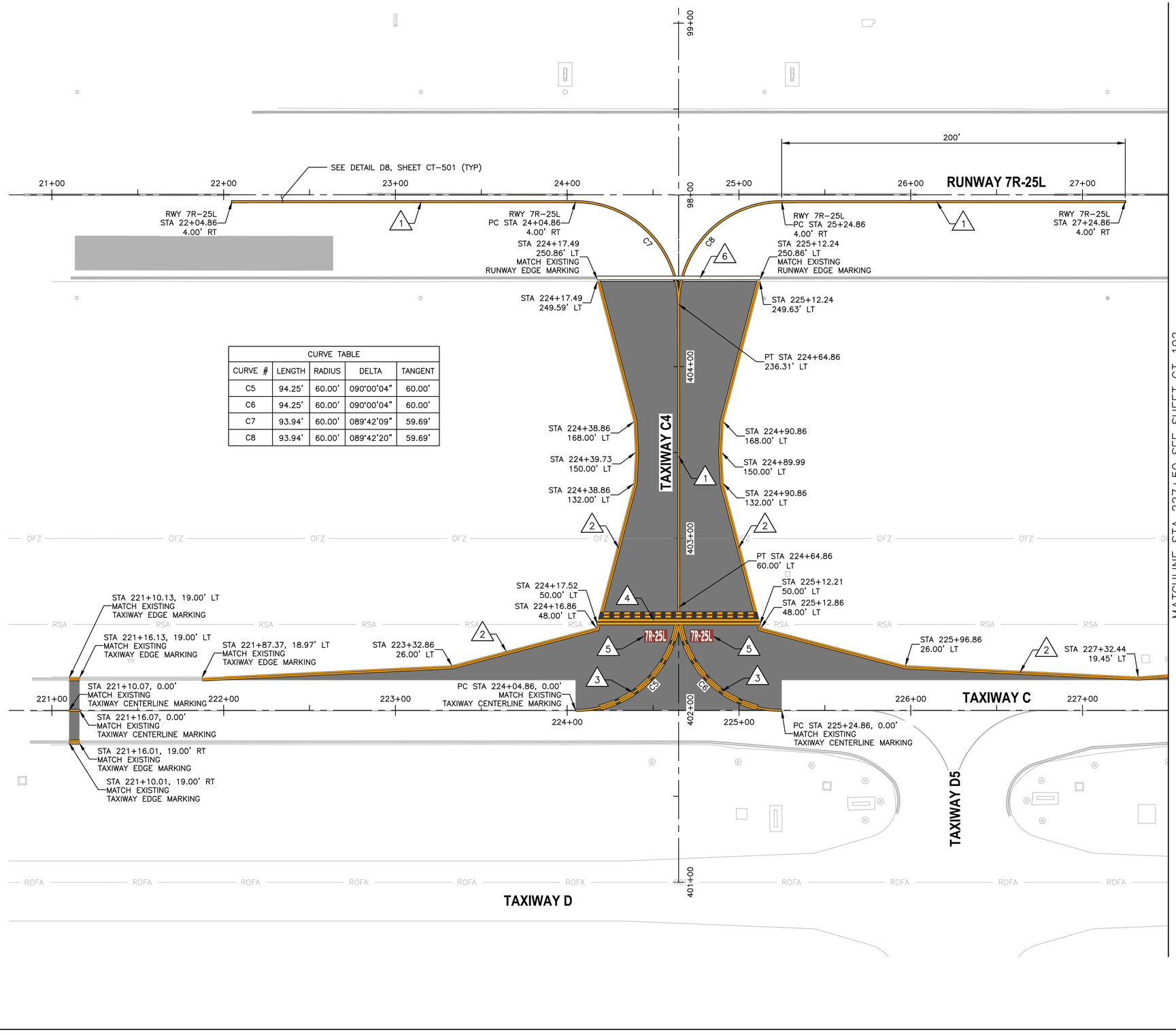
ADOT GRANT NUMBER(S):
XXX

SHEET OVERVIEW TITLE
GRADING AND DRAINAGE DETAILS

SHEET REFERENCE NUMBER:
CU-502

SHEET 41 OF 76

N:\2022\221004 - DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\ AV31000096-CU-502.dwg - Apr 23,2026 1:24pm



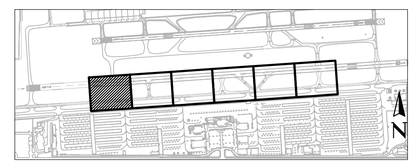
CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	TANGENT
C5	94.25'	60.00'	090°00'04"	60.00'
C6	94.25'	60.00'	090°00'04"	60.00'
C7	93.94'	60.00'	089°42'09"	59.69'
C8	93.94'	60.00'	089°42'20"	59.69'

PAVEMENT MARKING NOTES

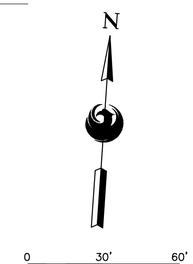
1. PAINT TAXIWAY CENTERLINE MARKING PER DTL D1, SHEET CT-501
2. PAINT TAXIWAY EDGE MARKING PER DTL D2, SHEET CT-501
3. PAINT ENHANCED TAXIWAY CENTERLINE MARKING PER DTL D3 & D7, SHEET CT-501
4. PAINT RUNWAY HOLDING POSITION MARKING PER DTL D4, SHEET CT-501
5. PAINT SURFACE PAINTED HOLDING POSITION SIGN PER DTL D5, SHEET CT-501
6. PAINT RUNWAY EDGE MARKING PER DTL D6, SHEET CT-501

REFERENCE NOTES

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



KEY MAP



SCALE:1"=30'

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT EYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

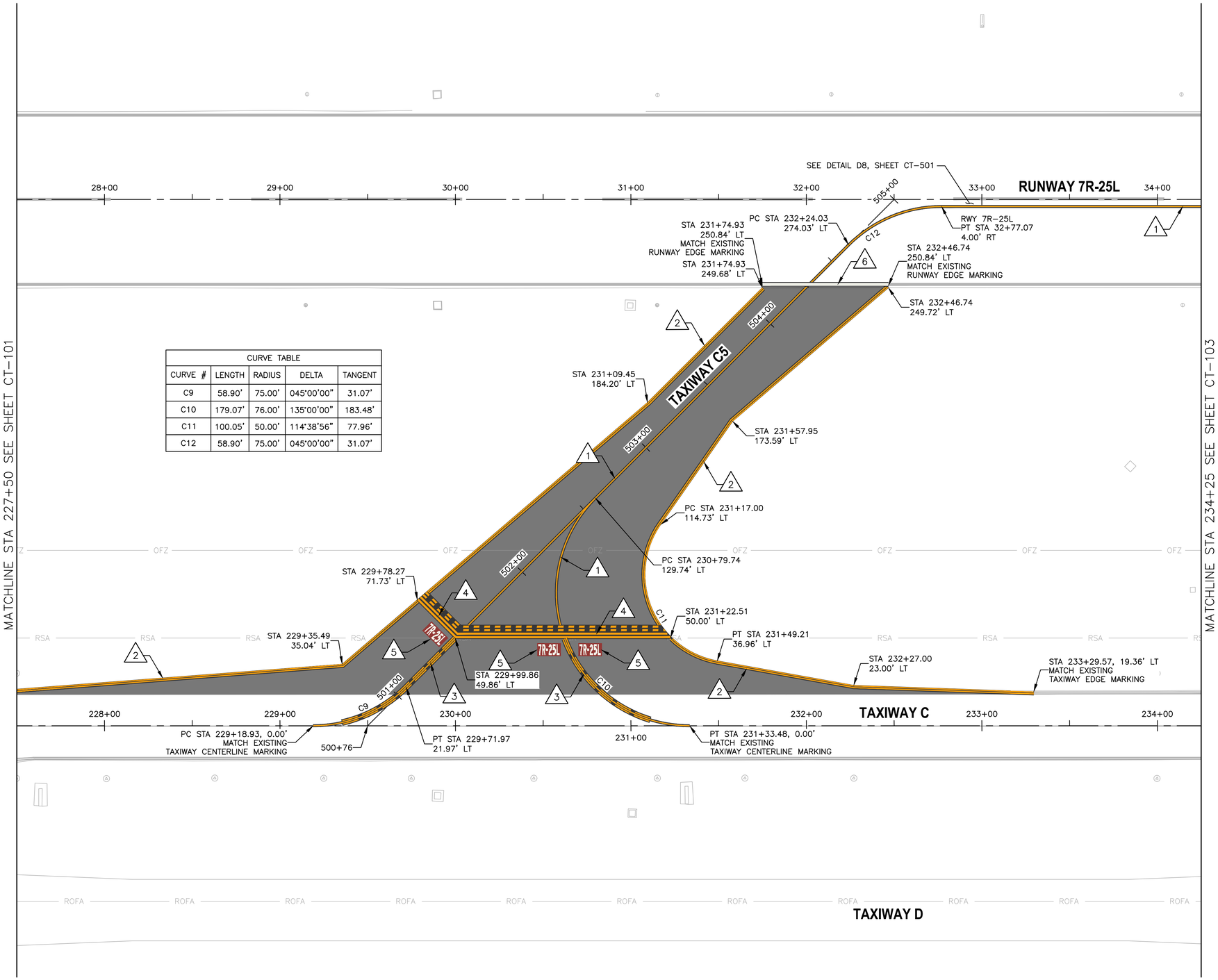
ADOT GRANT NUMBER(S): XXX

SHEET OVERVIEW TITLE
AIRFIELD MARKING PLAN

SHEET REFERENCE NUMBER:
CT-101

SHEET 42 OF 76

N:\2022\221004 - DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\ AV31000096-CT-101.dwg - Apr 23,2026 1:24pm



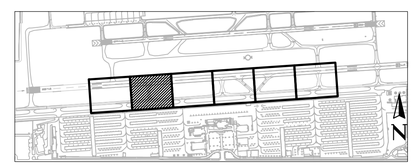
CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	TANGENT
C9	58.90'	75.00'	045°00'00"	31.07'
C10	179.07'	76.00'	135°00'00"	183.48'
C11	100.05'	50.00'	114°38'56"	77.96'
C12	58.90'	75.00'	045°00'00"	31.07'

PAVEMENT MARKING NOTES

1. PAINT TAXIWAY CENTERLINE MARKING PER DTL D1, SHEET CT–501
2. PAINT TAXIWAY EDGE MARKING PER DTL D2, SHEET CT–501
3. PAINT ENHANCED TAXIWAY CENTERLINE MARKING PER DTL D3 & D7, SHEET CT–501
4. PAINT RUNWAY HOLDING POSITION MARKING PER DTL D4, SHEET CT–501
5. PAINT SURFACE PAINTED HOLDING POSITION SIGN PER DTL D5, SHEET CT–501
6. PAINT RUNWAY EDGE MARKING PER DTL D6, SHEET CT–501

REFERENCE NOTES

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



KEY MAP

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

N

0 30' 60'

SCALE:1"=30'

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

SUB CONSULTANT

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

ADOT GRANT NUMBER(S): XXX

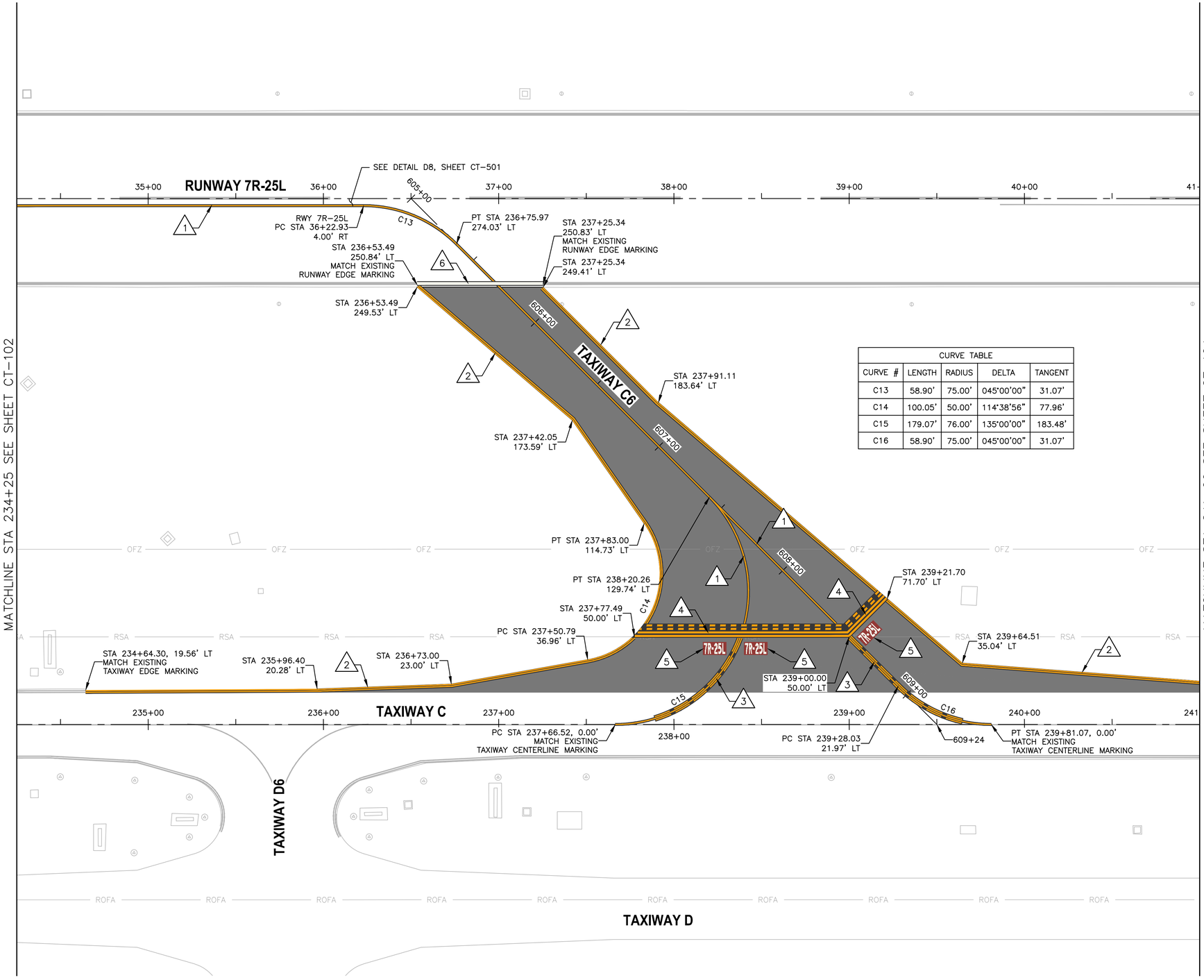
SHEET OVERVIEW TITLE

AIRFIELD MARKING PLAN

SHEET REFERENCE NUMBER: CT-102

SHEET 43 OF 76

N:\2022\221004 – DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\ AV31000096-CT-102.dwg – Apr 29,2026 1:24pm



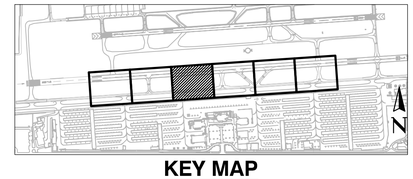
CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	TANGENT
C13	58.90'	75.00'	045°00'00"	31.07'
C14	100.05'	50.00'	114°38'56"	77.96'
C15	179.07'	76.00'	135°00'00"	183.48'
C16	58.90'	75.00'	045°00'00"	31.07'

PAVEMENT MARKING NOTES

1. PAINT TAXIWAY CENTERLINE MARKING PER DTL D1, SHEET CT-501
2. PAINT TAXIWAY EDGE MARKING PER DTL D2, SHEET CT-501
3. PAINT ENHANCED TAXIWAY CENTERLINE MARKING PER DTL D3 & D7, SHEET CT-501
4. PAINT RUNWAY HOLDING POSITION MARKING PER DTL D4, SHEET CT-501
5. PAINT SURFACE PAINTED HOLDING POSITION SIGN PER DTL D5, SHEET CT-501
6. PAINT RUNWAY EDGE MARKING PER DTL D6, SHEET CT-501

REFERENCE NOTES

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



KEY MAP

N

0 30' 60'

SCALE:1"=30'

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10
AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

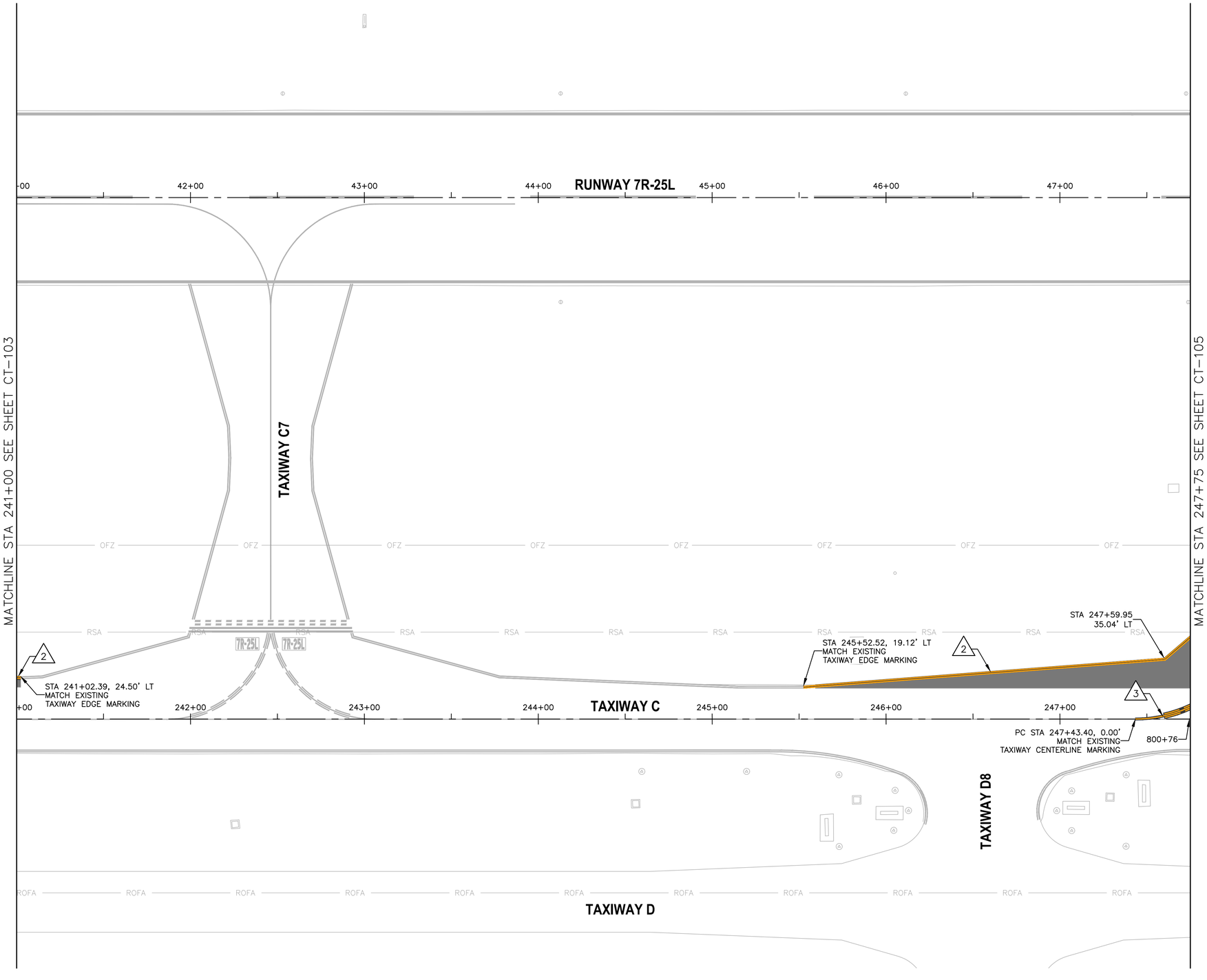
ADOT GRANT NUMBER(S):
XXX

SHEET OVERVIEW TITLE
AIRFIELD MARKING PLAN

SHEET REFERENCE NUMBER:
CT-103

SHEET 44 OF 76

N:\2022\221004 - DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\ AV31000096-CT-103.dwg — Apr 29,2026 1:24pm



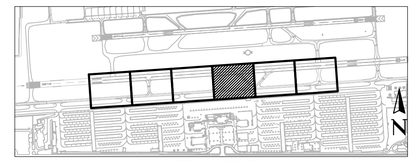
PAVEMENT MARKING NOTES

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

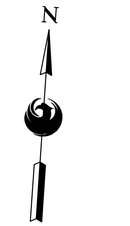
3 PAINT ENHANCED TAXIWAY CENTERLINE MARKING PER DTL D3 & D7, SHEET CT-501

REFERENCE NOTES

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



KEY MAP



0 30' 60'

SCALE:1"=30'

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10
AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

ADOT GRANT NUMBER(S):
XXX

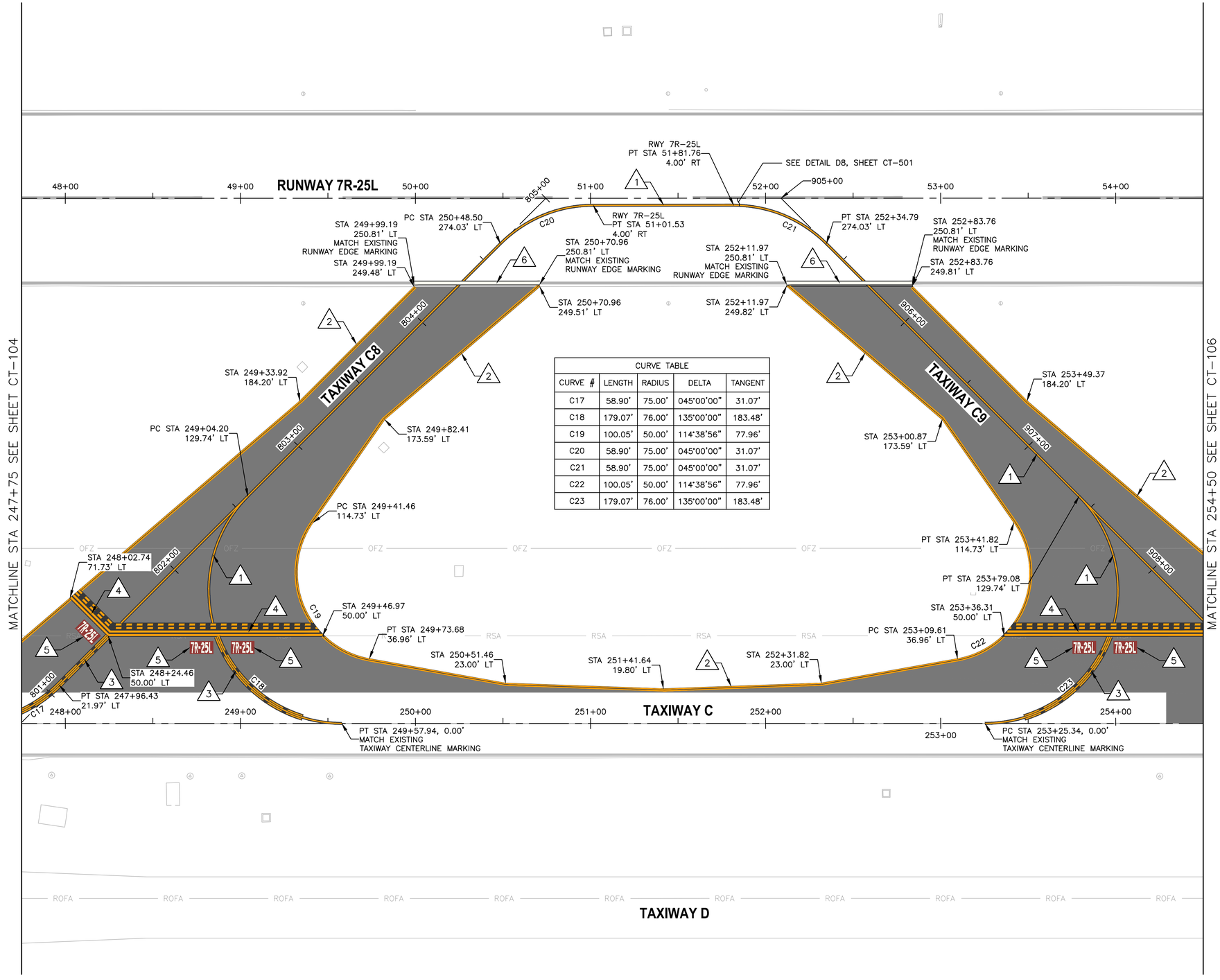
SHEET OVERVIEW TITLE

AIRFIELD MARKING PLAN

SHEET REFERENCE NUMBER:
CT-104

SHEET 45 OF 76

N:\2022\221004 - DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\ AV31000096-CT-104.dwg - Apr 29,2026 1:24pm



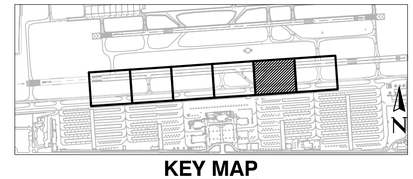
CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	TANGENT
C17	58.90'	75.00'	045°00'00"	31.07'
C18	179.07'	76.00'	135°00'00"	183.48'
C19	100.05'	50.00'	114°38'56"	77.96'
C20	58.90'	75.00'	045°00'00"	31.07'
C21	58.90'	75.00'	045°00'00"	31.07'
C22	100.05'	50.00'	114°38'56"	77.96'
C23	179.07'	76.00'	135°00'00"	183.48'

PAVEMENT MARKING NOTES

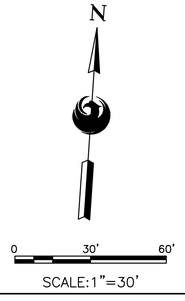
1. PAINT TAXIWAY CENTERLINE MARKING PER DTL D1, SHEET CT–501
2. PAINT TAXIWAY EDGE MARKING PER DTL D2, SHEET CT–501
3. PAINT ENHANCED TAXIWAY CENTERLINE MARKING PER DTL D3 & D7, SHEET CT–501
4. PAINT RUNWAY HOLDING POSITION MARKING PER DTL D4, SHEET CT–501
5. PAINT SURFACE PAINTED HOLDING POSITION SIGN PER DTL D5, SHEET CT–501
6. PAINT RUNWAY EDGE MARKING PER DTL D6, SHEET CT–501

REFERENCE NOTES

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



KEY MAP



SCALE:1"=30'

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10
AV31000096 FAA/ADOT

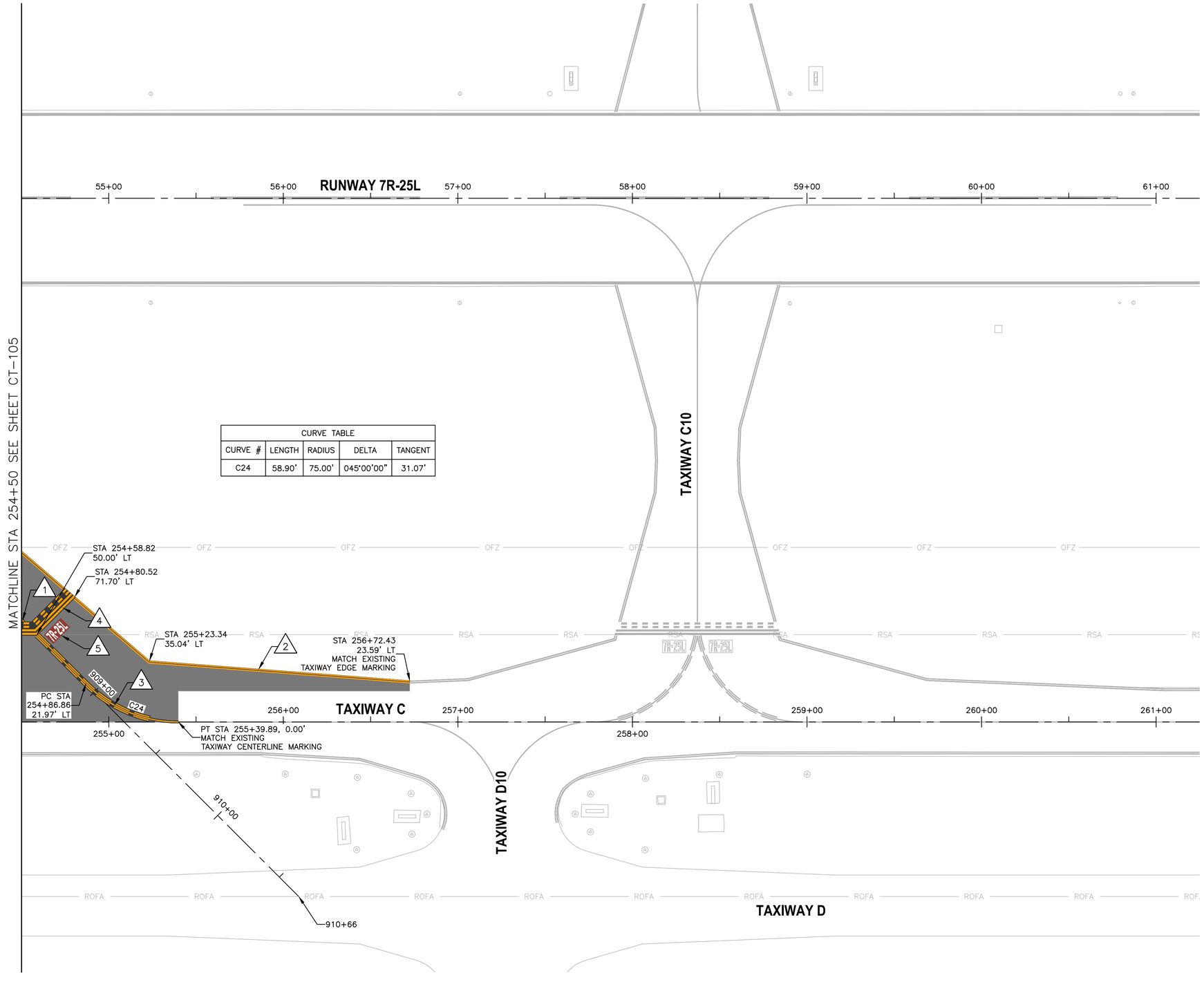
Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

ADOT GRANT NUMBER(S):
XXX

SHEET OVERVIEW TITLE
AIRFIELD MARKING PLAN

SHEET REFERENCE NUMBER:
CT-105

N:\2022\221004 - DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\ AV31000096-CT-105.dwg — Apr 29,2026 1:24pm



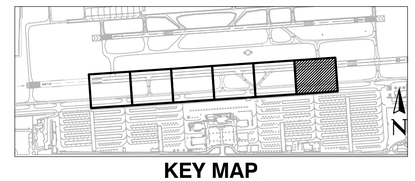
CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	TANGENT
C24	58.90'	75.00'	045°00'00"	31.07'

PAVEMENT MARKING NOTES

1. PAINT TAXIWAY CENTERLINE MARKING PER DTL D1, SHEET CT-501
2. PAINT TAXIWAY EDGE MARKING PER DTL D2, SHEET CT-501
3. PAINT ENHANCED TAXIWAY CENTERLINE MARKING PER DTL D3 & D7, SHEET CT-501
4. PAINT RUNWAY HOLDING POSITION MARKING PER DTL D4, SHEET CT-501
5. PAINT SURFACE PAINTED HOLDING POSITION SIGN PER DTL D5, SHEET CT-501

REFERENCE NOTES

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



KEY MAP

N

0 30' 60'

SCALE:1"=30'

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

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

SUB CONSULTANT

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by: AS
Drawn by: TH
Checked by: GS
Date: 04/27/2026
Dwg scale: AS SHOWN

ADOT GRANT NUMBER(S):
XXX

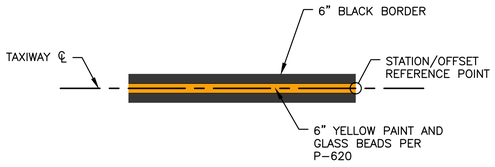
SHEET OVERVIEW TITLE

AIRFIELD MARKING PLAN

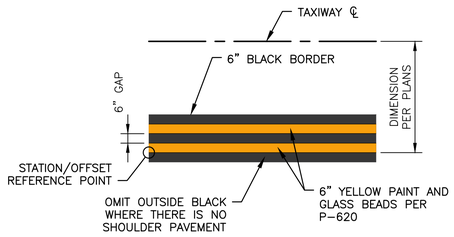
SHEET REFERENCE NUMBER:
CT-106

SHEET 47 OF 76

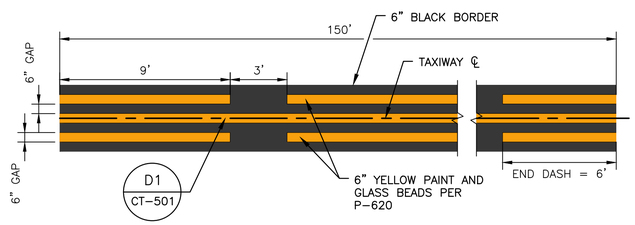
N:\2022\221004 - PVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\ AV31000096-CT-106.dwg - Apr 29,2026 1:25pm



D1 CT-501 **TAXIWAY CENTERLINE MARKING**
NTS

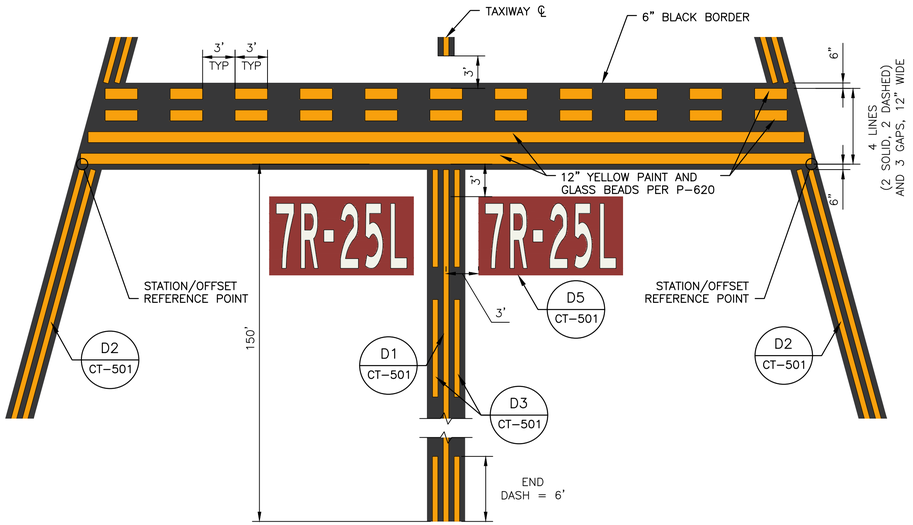


D2 CT-501 **CONTINUOUS TAXIWAY EDGE MARKING**
NTS



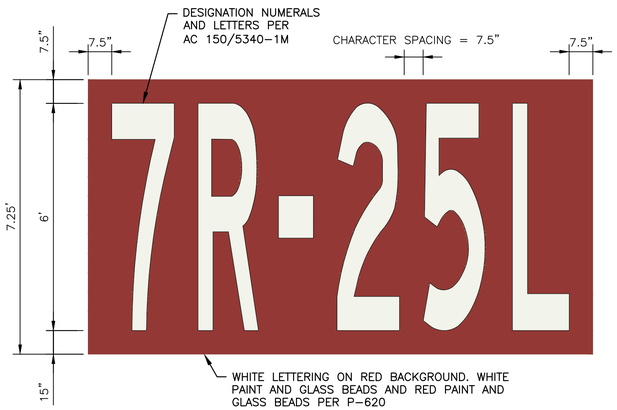
NOTES:
1. ENHANCED TAXIWAY CENTERLINE MARKING DIMENSIONS TAKEN ALONG TAXIWAY CENTERLINE.

D3 CT-501 **ENHANCED TAXIWAY CENTERLINE MARKING**
NTS



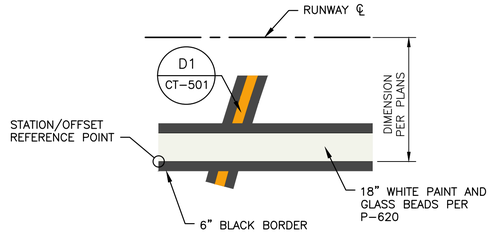
RUNWAY HOLDING POSITION MARKING DIMENSIONS

D4 CT-501 NTS

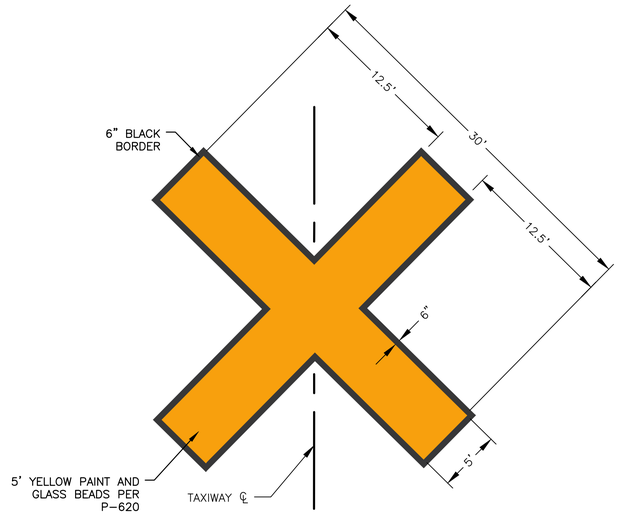


NOTES:
1. 7R-25L SIGN SHOWN FOR REFERENCE, SEE MARKING PLANS FOR INSCRIPTIONS AND LOCATIONS.

D5 CT-501 **SURFACE PAINTED HOLDING POSITION SIGN**
NTS

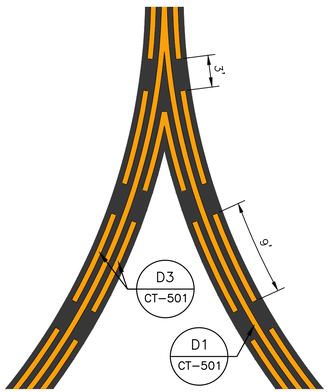


D6 CT-501 **RUNWAY EDGE MARKING**
NTS



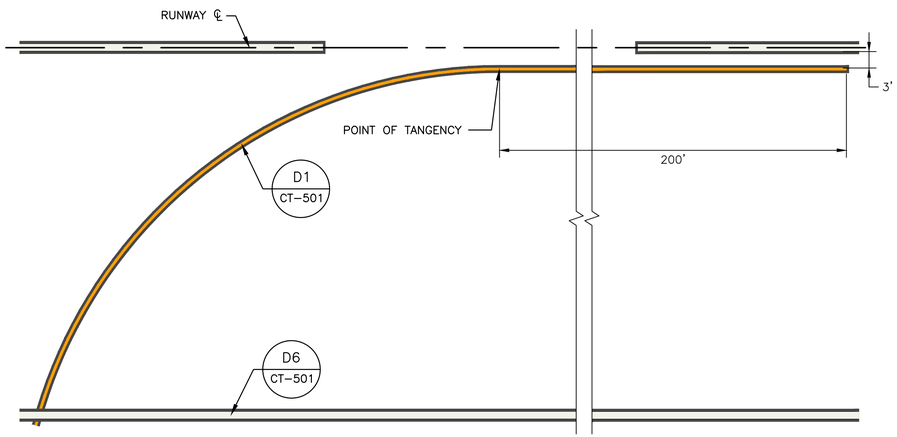
NOTES:
1. CLOSED TAXIWAY MARKINGS SHALL BE YELLOW PAINT. YELLOW MARKINGS SHALL HAVE RETROREFLECTIVE MEDIA.
2. PLACE 50' FROM RUNWAY EDGE WHERE APPLICABLE.

D9 CT-501 **TAXIWAY CLOSURE MARKING**
NTS



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

D7 CT-501 **DASHED LINES AT CONVERGING TAXIWAY CENTERLINES**
NTS



D8 CT-501 **RUNWAY/TAXIWAY INTERSECTION LEAD IN LINES**
NTS

GENERAL NOTES

1. FINAL MARKING SHALL ALIGN WITH EXISTING MARKING AT EDGE OF NEW PAVEMENT.
2. LETTERING FOR SURFACE PAINTED HOLDING POSITION SIGNS SHALL BE IN ACCORDANCE WITH U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL AVIATION ADMINISTRATION ADVISORY CIRCULAR NO. 150/5340-1M, APPENDIX B.
3. ALL MARKINGS ARE SUBJECT TO FINAL APPROVAL BY AIRPORT OPERATIONS.
4. PAINT CONTRACTOR TO UTILIZE THE PROVIDED DVT PAINT STENCILS FOR INSTALLATION OF PAVEMENT MARKINGS.
5. OBLITERATE EXISTING PAVEMENT MARKINGS IN CONFLICT WITH THE PROPOSED PAVEMENT MARKING LAYOUT AND CLEARANCES.
6. BLACK BORDER NOT TO BE PAINTED FOR MARKINGS ON NEW ASPHALT.
7. NO GLASS BEADS SHALL BE APPLIED TO TEMPORARY PAVEMENT MARKINGS.
8. APPLICATION RATE FOR TEMPORARY AND PERMANENT PAVEMENT MARKINGS SHALL BE PER P-620.

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10
AV31000096 FAA/ADOT

Designed by: AS	Drawn by: TH	Checked by: GS	Date: 04/27/2026	Dwg scale: NTS

ADOT GRANT NUMBER(S): XXX

SHEET OVERVIEW TITLE: AIRFIELD MARKING DETAILS

SHEET REFERENCE NUMBER: CT-501

N:\2022\221004 - DVT Taxiway C Connectors C4-C10 Design\Dwg\Dwg\ AV31000096-CT-501.dwg - Apr 29,2026 1:25pm

ELECTRICAL LEGEND:

(UNLESS OTHERWISE NOTED ON PLANS)

- EXISTING ELECTRICAL CONDUIT AND CONDUCTOR
- EXISTING FIBER OPTIC DUCTBANK
- PVC W/#8–5KV L–824 TYPE "C" CABLE PER INDICATED LIGHTING CIRCUIT. (QUANTITY AND SIZE AS INDICATED ON PLAN SHEETS)
- CONCRETE ENCASED CONDUIT/DUCTBANK
- EXISTING TAXIWAY EDGE LIGHT
- EXISTING RUNWAY EDGE LIGHT
- EXISTING JUNCTION CAN
- EXISTING AIRFIELD GUIDANCE SIGN
- EXISTING ELECTRICAL HANDHOLE
- EXISTING RUNWAY GUARD LIGHT
- NEW AIRFIELD GUIDANCE SIGN WITH ASPHALT MAINTENANCE PAD
- SALVAGED AIRFIELD GUIDANCE SIGN ON NEW CONCRETE BASE WITH ASPHALT MAINTENANCE PAD
- NEW ELECTRICAL HANDHOLE
- NEW L–861T(L) LED TAXIWAY EDGE LIGHT
- SALVAGED L–861T INCANDESCENT (QUARTZ) ELEVATED TAXIWAY EDGE LIGHT
- NEW L–804(L) LED ELEVATED RUNWAY GUARD LIGHT
- SALVAGED L–804(L) LED ELEVATED RUNWAY GUARD LIGHT
- NEW L–867B (12" DIA) JUNCTION CAN
- NEW L–867D (16" DIA) JUNCTION CAN
- NEW L–853 RETROREFLECTIVE TAXIWAY EDGE MARKER
- EXISTING L–867 BASE CAN WITH STEEL COVER
- NEW L–852D MEDIUM INTENSITY IN–PAVEMENT RUNWAY EDGE LIGHT

ADVISORY CIRCULARS FOR AIRPORT PROJECTS (MOST RECENT VERSION):

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

ELECTRICAL ABBREVIATIONS:

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

◇ CIRCUIT IDENTIFICATION ◇

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

ELECTRICAL SHEET INDEX

EA–001	ELECTRICAL LEGEND, ABBREVIATIONS, AND SHEET INDEX
EA–002	ELECTRICAL NOTES
ED–101 – ED–106	AIRFIELD ELECTRICAL DEMOLITION PLANS
EA–101 – EA–106	AIRFIELD LIGHTING AND ELECTRICAL PLANS
EA–501	ELECTRICAL DETAILS – CONDUIT DUCTBANKS AND DUCT MARKER
EA–502	ELECTRICAL DETAILS – COUNTERPOISE AND GROUNDING
EA–503	ELECTRICAL DETAILS – 4'x4'x4' HANDHOLE
EA–504	ELECTRICAL DETAILS – JUNCTION CAN
EA–505	ELECTRICAL DETAILS – NEW CAST–IN–PLACE CONCRETE BASE FOR AIRFIELD GUIDANCE SIGN
EA–506	ELECTRICAL DETAILS – L–858 AIRFIELD GUIDANCE SIGN AND 5KV CABLE SPLICE
EA–507	ELECTRICAL DETAILS – ELEVATED TAXIWAY EDGE LIGHT
EA–508	ELECTRICAL DETAILS – RUNWAY GUARD LIGHT
EA–509	ELECTRICAL DETAILS – IN–PAVEMENT RUNWAY EDGE LIGHT
EA–601	AIRFIELD GUIDANCE SIGN SCHEDULE
EA–602	AIRFIELD GUIDANCE SIGN SCHEDULE
EA–603	EQUIPMENT DATA TABLES
EA–604	EQUIPMENT DATA TABLES
EA–605	EQUIPMENT DATA TABLES

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.creng.com

90% SUBMITTAL

PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR

CITY OF PHOENIX AVIATION DEPARTMENT

DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 04/27/2026
Dwg scale: NTS

ADOT GRANT NUMBER(S): XXX

SHEET OVERVIEW TITLE

ELECTRICAL LEGEND, ABBREVIATIONS, AND SHEET INDEX

SHEET REFERENCE NUMBER:
EA-001

Q:\PROJECTS\22000\22002 DVT Txy C Connectors C4-C10\CAD\CAD SHEETS\GMP 2 SHEETS\22002_EA-001 - GMP2.dwg - Apr 20,2026 1:48pm

GENERAL NOTES FOR CONDUIT INSTALLATION

1. CONCRETE ENCASED DUCTBANKS SHALL BE USED WHEN CROSSING UNDER PAVEMENTS EXPECTED TO CARRY AIRCRAFT LOADS SUCH AS RUNWAYS, TAXIWAYS, TAXI–LANES, RAMPS, AND APRONS OR VEHICULAR TRAFFIC SUCH AS SERVICE ROADS. WHEN UNDER PAVED SHOULDERS AND OTHER PAVED AREAS, CONDUIT AND DUCTBANKS SHALL BE ENCASED USING FLOWABLE FILL FOR PROTECTION.
2. UNDER PAVEMENT, THE TOP OF THE DUCTBANKS SHALL NOT BE LESS THAN 18 INCHES BELOW THE SUBGRADE; IN OTHER LOCATION THE TOP OF THE DUCTBANK OR UNDERGROUND CONDUIT SHALL BE NOT LESS THAN 18 INCHES BELOW FINISHED GRADE.
3. DUCTBANKS SHALL BE INSTALLED SO THAT THE TOP OF THE CONCRETE ENVELOPE IN NOT LESS THAN 18 INCHES BELOW THE BOTTOM OF THE BASE OR STABILIZED BASE COURSE LAYERS WHERE INSTALLED UNDER RUNWAY, TAXIWAYS, APRONS, OR OTHER PAVED AREAS, AND NOT LESS THAN 18 INCHES BELOW FINISHED GRADE WHERE INSTALLED IN UNPAVED AREAS.
4. ALL DUCTBANKS SHALL BE PLACED ON A LAYER OF CONCRETE NOT LESS THAN 3 INCHES THICK PRIOR TO ITS INITIAL SET. THE CONTRACTOR SHALL SPACE THE CONDUITS NOT LESS THAN 3 INCHES APART (MEASURED FROM OUTSIDE WALL TO OUTSIDE WALL).
5. ALL SUCH MULTIPLE CONDUITS SHALL BE PLACED USING CONDUIT SPACERS, APPLICABLE TO THE TYPE OF CONDUIT. CONCRETE SHALL BE PLACED AROUND AND ON TOP OF THE CONDUITS NOT LESS THAN 3 INCHES THICK.
6. CONDUITS FORMING THE DUCTBANK SHALL BE INSTALLED USING CONDUIT SPACERS. #4 REINFORCING BARS SHALL BE DRIVEN VERTICALLY INTO THE SOIL A MINIMUM OF 6 INCHES TO ANCHOR THE ASSEMBLY INTO THE EARTH PRIOR TO PLACING THE CONCRETE ENCASEMENT. SPACERS SHALL BE INSTALLED AT 5 FEET INTERVALS.
7. ALL PAVEMENT SURFACES THAT ARE TO HAVE DUCTS INSTALLED THEREIN SHALL BE NEATLY SAW CUT TO FORM VERTICAL FACE. ALL EXCAVATION AND BACKFILL SHALL BE INCLUDED IN THE CONTRACT WITH PRICE FOR THE DUCT.
8. BARE SOLID #6 AWG COPPER COUNTERPOISE WIRE SHALL BE INSTALLED FOR LIGHTNING PROTECTION OF THE UNDERGROUND CABLES. THE COUNTERPOISE CONDUCTOR SHALL BE INSTALLED NO LESS THAN 8 INCHES MINIMUM OR 12 INCHES MAXIMUM ABOVE THE RACEWAY OR CABLE TO BE PROTECTED, EXCEPT AS PERMITTED BELOW:
   A. THE MINIMUM COUNTERPOISE CONDUCTOR HEIGHT ABOVE THE RACEWAY OR CABLE TO BE PROTECTED SHALL BE PERMITTED TO BE ADJUSTED SUBJECT TO COORDINATION WITH AIRFIELD LIGHTING AND PAVEMENT DESIGNS.
   B. THE COUNTERPOISE CONDUCTOR HEIGHT ABOVE THE PROTECTED RACEWAY(S) OR CABLE(S) SHALL BE CALCULATED TO ENSURE THAT THE RACEWAY OR CABLE IS WITHIN A 45–DEGREE AREA OF PROTECTION (45 DEGREES ON EACH SIDE OF VERTICAL CREATING A 90–DEGREE ANGLE.
9. INSTALL A PLASTIC, DETECTABLE, RED, 3 INCH WIDE TAPE LOCATED 8 INCHES (MINIMUM) BELOW GRADE ABOVE ALL UNDERGROUND CONDUIT OR DUCT LINES NOT INSTALLED UNDER PAVEMENT. UNDERGROUND ELECTRICAL WARNING (CAUTION) TAPE SHALL BE INSTALLED IN THE TRENCH ABOVE ALL UNDERGROUND DUCTBANKS AND CONDUIT IN UNPAVED AREAS. THE WARNING TAPE SHALL BE LOCATED 6 INCHES ABOVE THE DUCT/CONDUIT OR THE COUNTERPOISE WIRE IF PRESENT.
10. PROVIDE MULE TAPE IN ALL NEW (UNUSED) CONDUITS. PLUG ENDS IN HANDHOLES
11. P–610 CONCRETE ENCASE UNDER PAVEMENT PER SPECIFICATION L–110.
12. INSTALL A #6 BARE COPPER COUNTERPOISE ABOVE EACH DUCT ASSEMBLY FROM HANDHOLE TO HANDHOLE AND EXOTHERMICALLY WELD TO GROUND RODS AT EACH HANDHOLE.
13. ALL UNDERGROUND CONDUITS SHALL MAINTAIN A 12" (MIN.) SEPARATION FROM ALL OTHER (EXISTING OR NEW) UNDERGROUND FACILITIES UNLESS NOTED OTHERWISE ON DRAWINGS
14. CONDUIT IN DUCTBANK(S) ARE TO BE STACKED NO MORE THAN FOUR (4) CONDUITS. IF MORE CONDUITS ARE NEEDED, THE WIDTH OF THE TRENCH IS TO BE INCREASED
15. WHERE PAVEMENT IS EXISTING AND REPAIR/REPLACEMENT IS REQUIRED, REPLACE IN KIND. ANTICIPATE THREE (3) INCHES OF ASPHALT ON CLSM SLURRY ENCASED DUCT SECTION. THIS SHALL BE INCIDENTAL TO THE COST OF RETROFIT DUCTBANK INSTALLATION.
16. ADJUST DEPTH TO 18"–24" TOTAL FOR CONDUIT INSTALLATION BETWEEN OR INTO L–867/L–868 BASE CAN.

ELECTRICAL DEMOLITION GENERAL NOTES

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

AIRFIELD LIGHT LOCKOUT/TAGOUT POLICY

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

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

*THIS PROCEDURAL CHECKLIST MUST BE FOLLOWED TO THE LETTER.

ELECTRICAL CONSTRUCTION PHASING NOTES

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

PRIME CONSULTANT: TRACE CONSULTING, 101 E. Jefferson St. | Suite 3 | Phoenix, AZ 85004

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

90% SUBMITTAL — PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR — CITY OF PHOENIX AVIATION DEPARTMENT

DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 04/27/2026
Dwg scale: NTS

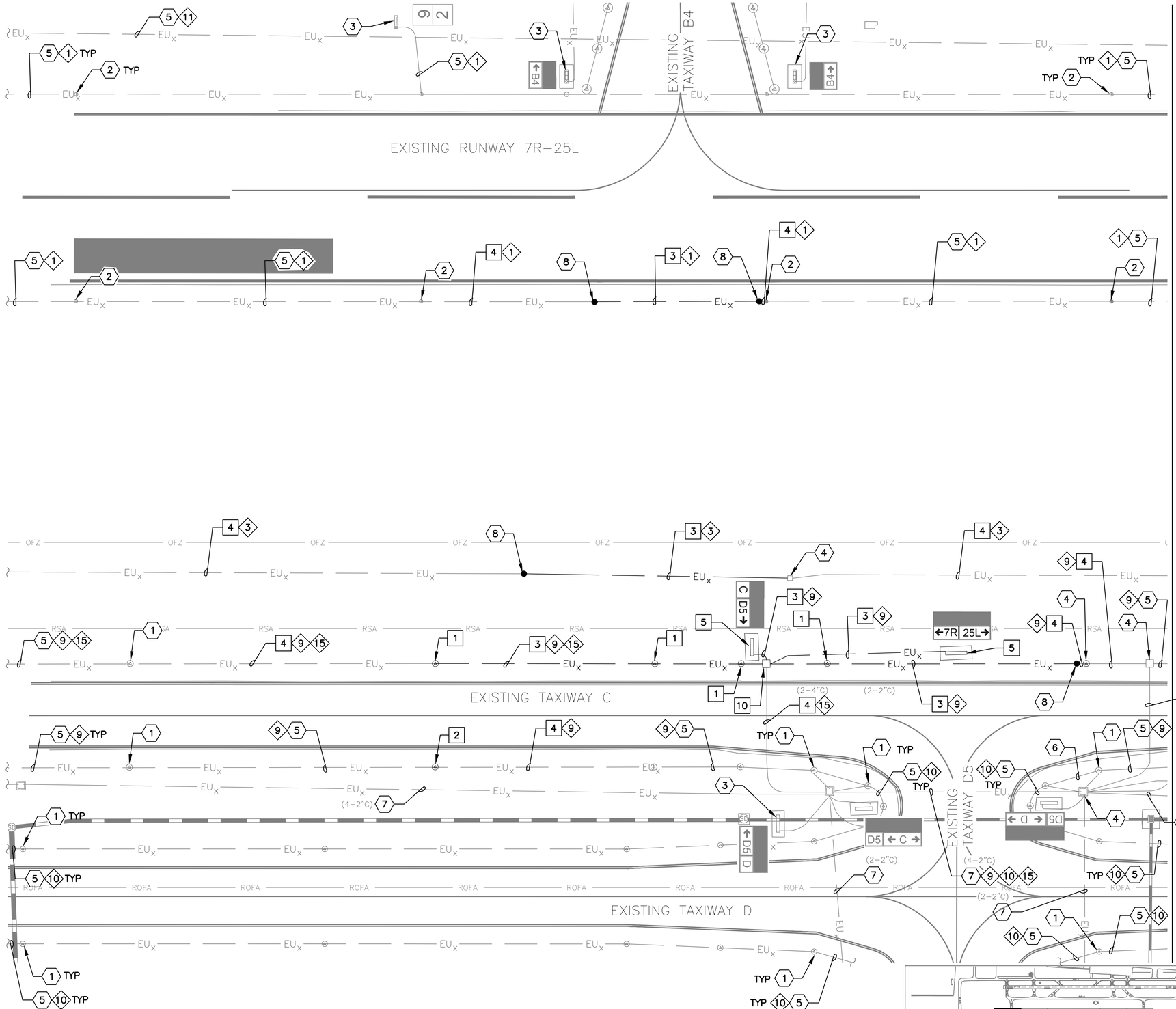
ADOT GRANT NUMBER(S): XXX

SHEET OVERVIEW TITLE: ELECTRICAL NOTES

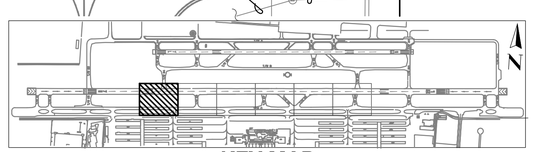
SHEET REFERENCE NUMBER: EA-002

SHEET 50 OF 76

G:\PROJECTS\22000\22002 DVT Txy C Connectors C4-C10\CAD\CAD SHEETS\GMP 2 SHEETS\22002 EA-002 - GMP2.dwg - Apr 20,2026 1:49pm



KEY MAP



DEMOLITION NOTES

1. REMOVE AND SALVAGE EXISTING TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER – REMOVE BASE CAN (3 TOTAL)
2. REMOVE AND SALVAGE EXISTING TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER – BASE CAN TO REMAIN (1 TOTAL)
3. EXCAVATE AND REMOVE EXISTING CONDUIT AND CONDUCTOR (735 LF TOTAL)
4. REMOVE EXISTING CONDUCTOR – CONDUIT TO REMAIN (925 LF TOTAL)
5. REMOVE AND SALVAGE EXISTING AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER – REMOVE SIGN BASE (2 TOTAL)
10. EXCAVATE AND REMOVE EXISTING HANDHOLE (1 TOTAL)

REFERENCE NOTES

1. EXISTING TAXIWAY EDGE LIGHT TO REMAIN – PROTECT IN PLACE
2. EXISTING RUNWAY EDGE LIGHT TO REMAIN – PROTECT IN PLACE
3. EXISTING AIRFIELD GUIDANCE SIGN TO REMAIN – PROTECT IN PLACE
4. EXISTING HANDHOLE OR JUNCTION CAN TO REMAIN – PROTECT IN PLACE
5. EXISTING CONDUIT AND CONDUCTOR TO REMAIN – PROTECT IN PLACE
6. EXISTING CONDUIT TO REMAIN – PROTECT IN PLACE
7. EXISTING DUCTBANK – PROTECT IN PLACE
8. APPROXIMATE SPLICE POINT OF CONDUIT AND COUNTERPOISE

CIRCUIT IDENTIFICATION

SEE CIRCUIT IDENTIFICATION NOTES ON SHEET EA–001.

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

0 30' 60'
SCALE:1"=30'

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

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10
AV31000096 FAA/ADOT

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 04/27/2026
Dwg scale: 1" = 30'
ADOT GRANT NUMBER(S): XXX

SHEET OVERVIEW TITLE
AIRFIELD ELECTRICAL DEMOLITION PLAN

SHEET REFERENCE NUMBER:
ED-101

SHEET 51 OF 76

D:\PROJECTS\22000\22002 DVT Txy C Connectors C4-C10\CAD\CAD SHEETS\GMP 2 SHEETS\22002_ED-101 – ED-1XX – GMP2.dwg – Apr 20,2026 1:51pm

MATCHLINE – SEE SHEET ED–101

MATCHLINE – SEE SHEET ED–103

EXISTING RUNWAY 7R–25L

EXISTING TAXIWAY C5

EXISTING TAXIWAY C

EXISTING TAXIWAY D

C5 7R - 25L

N

DEMOLITION NOTES

1. REMOVE AND SALVAGE EXISTING TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER – REMOVE BASE CAN (17 TOTAL)
2. REMOVE AND SALVAGE EXISTING TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER – BASE CAN TO REMAIN (2 TOTAL)
3. EXCAVATE AND REMOVE EXISTING CONDUIT AND CONDUCTOR (1,545 LF)
4. REMOVE EXISTING CONDUCTOR – CONDUIT TO REMAIN (895 LF)
5. REMOVE AND SALVAGE EXISTING AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER – REMOVE SIGN BASE (5 TOTAL)
7. EXCAVATE AND REMOVE EXISTING ENCASED DUCTBANK (210 LF)
8. REMOVE AND SALVAGE EXISTING RUNWAY EDGE LIGHT AND ISOLATION TRANSFORMER – REMOVE BASE CAN (1 TOTAL)
9. REMOVE AND SALVAGE EXISTING RUNWAY GUARD LIGHT AND ISOLATION TRANSFORMER – REMOVE BASE CAN (2 TOTAL)
10. EXCAVATE AND REMOVE EXISTING HANDHOLE (2 TOTAL)
11. REMOVE EXISTING JUNCTION CAN/PULLBOX (2 TOTAL)
12. REMOVE AND SALVAGE EXISTING SIGN PANELS FROM EXISTING AIRFIELD GUIDANCE SIGN (3 TOTAL)

REFERENCE NOTES

1. EXISTING TAXIWAY EDGE LIGHT TO REMAIN – PROTECT IN PLACE
2. EXISTING RUNWAY EDGE LIGHT TO REMAIN – PROTECT IN PLACE
3. EXISTING AIRFIELD GUIDANCE SIGN TO REMAIN – PROTECT IN PLACE
4. EXISTING HANDHOLE OR JUNCTION CAN TO REMAIN – PROTECT IN PLACE
5. EXISTING CONDUIT AND CONDUCTOR TO REMAIN – PROTECT IN PLACE
7. EXISTING DUCTBANK – PROTECT IN PLACE
8. APPROXIMATE SPLICE POINT OF CONDUIT AND COUNTERPOISE

CIRCUIT IDENTIFICATION

SEE CIRCUIT IDENTIFICATION NOTES ON SHEET EA–001.

KEY MAP

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

0 30' 60'
SCALE:1"=30'

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

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYPASS
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10
AV31000096 FAA/ADOT

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 04/27/2026
Dwg scale: 1" = 30'
ADOT GRANT NUMBER(S): XXX

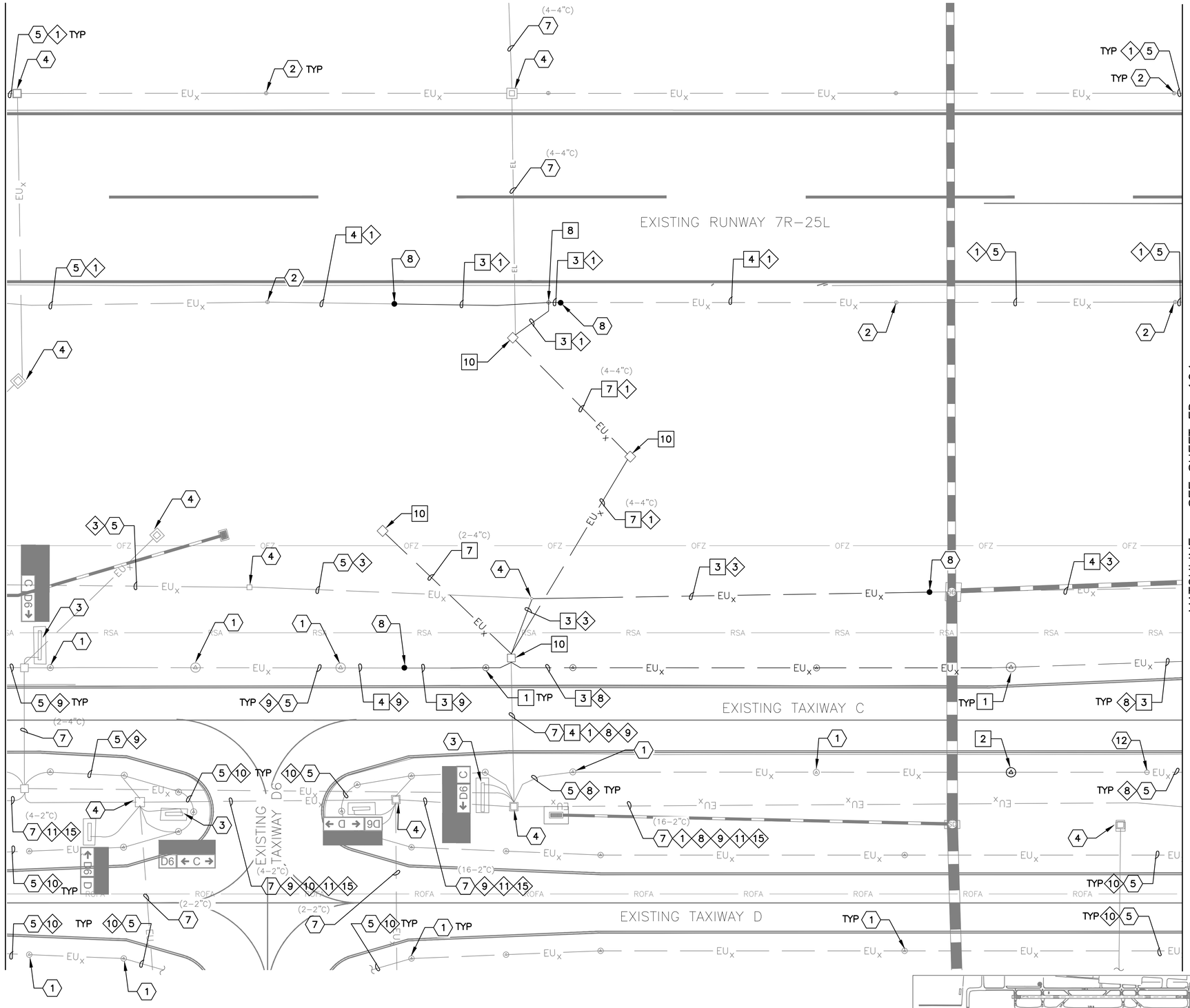
SHEET OVERVIEW TITLE

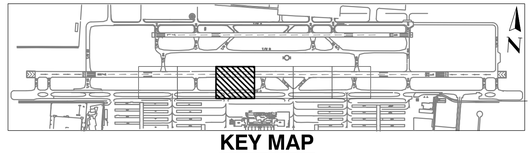
AIRFIELD ELECTRICAL DEMOLITION PLAN

SHEET REFERENCE NUMBER: ED-102

SHEET 52 OF 76

Q:\PROJECTS\220000\220002_DVT Txy C Connectors C4-C10\CAD\CAD SHEETS\GMP 2 SHEETS\220002_ED-101 – ED-1XX – GMP2.dwg – Apr 14,2026 9:17am





KEY MAP

DEMOLITION NOTES

1. REMOVE AND SALVAGE EXISTING TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER – REMOVE BASE CAN (4 TOTAL)
2. REMOVE AND SALVAGE EXISTING TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER – BASE CAN TO REMAIN (1 TOTAL)
3. EXCAVATE AND REMOVE EXISTING CONDUIT AND CONDUCTOR (840 LF)
4. REMOVE EXISTING CONDUCTOR – CONDUIT TO REMAIN (615 LF)
7. EXCAVATE AND REMOVE EXISTING ENCASED DUCTBANK (140 LF)
8. REMOVE AND SALVAGE EXISTING RUNWAY EDGE LIGHT AND ISOLATION TRANSFORMER – REMOVE BASE CAN (1 TOTAL)
10. EXCAVATE AND REMOVE EXISTING HANDHOLE (4 TOTAL)

REFERENCE NOTES

1. EXISTING TAXIWAY EDGE LIGHT TO REMAIN – PROTECT IN PLACE
2. EXISTING RUNWAY EDGE LIGHT TO REMAIN – PROTECT IN PLACE
3. EXISTING AIRFIELD GUIDANCE SIGN TO REMAIN – PROTECT IN PLACE
4. EXISTING HANDHOLE OR JUNCTION CAN TO REMAIN – PROTECT IN PLACE
5. EXISTING CONDUIT AND CONDUCTOR TO REMAIN – PROTECT IN PLACE
7. EXISTING DUCTBANK – PROTECT IN PLACE
8. APPROXIMATE SPLICE POINT OF CONDUIT AND COUNTERPOISE
12. EXISTING L–867 BASE CAN WITH BLANK COVER

CIRCUIT IDENTIFICATION

SEE CIRCUIT IDENTIFICATION NOTES ON SHEET EA–001.

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

0 30' 60'
SCALE:1"=30'

PRIME CONSULTANT: TRACE CONSULTING, 101 E. Jefferson St. | Suite 3 | Phoenix, AZ 85004

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYP
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 04/27/2026
Dwg scale: 1" = 30'

ADOT GRANT NUMBER(S): XXX

SHEET OVERVIEW TITLE
AIRFIELD ELECTRICAL DEMOLITION PLAN

SHEET REFERENCE NUMBER: ED-103

SHEET 53 OF 76

O:\PROJECTS\22000\22002 DVT Txy C Connectors C4-C10\CAD\CAD SHEETS\GMP 2 SHEETS\ 22002 ED-101 – ED-1XX – GMP2.dwg – Apr 20,2026 3:03pm

MATCHLINE – SEE SHEET ED–103

MATCHLINE – SEE SHEET ED–105

EXISTING RUNWAY 7R–25L

EXISTING TAXIWAY C7

EXISTING TAXIWAY C8

EXISTING TAXIWAY C

EXISTING TAXIWAY D8

EXISTING TAXIWAY D

TO EXISTING AIRFIELD LIGHTING VAULT

TO EXISTING AIRFIELD LIGHTING VAULT

▲ = 2 3 4 5 6 13 14 17 18 19

(24–2"C) 7 1 THROUGH 6 AND 8 THROUGH 19

KEY MAP

DEMOLITION NOTES

1. REMOVE AND SALVAGE EXISTING TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER – REMOVE BASE CAN (12 TOTAL)
2. REMOVE AND SALVAGE EXISTING TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER – BASE CAN TO REMAIN (1 TOTAL)
3. EXCAVATE AND REMOVE EXISTING CONDUIT AND CONDUCTOR (1,115 LF)
4. REMOVE EXISTING CONDUCTOR – CONDUIT TO REMAIN (90 LF)
5. REMOVE AND SALVAGE EXISTING AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER – REMOVE SIGN BASE (5 TOTAL)
7. EXCAVATE AND REMOVED CONCRETE ENCASED DUCTBANK (170 LF)
9. REMOVE AND SALVAGE EXISTING RUNWAY GUARD LIGHT AND ISOLATION TRANSFORMER – REMOVE BASE CAN (2 TOTAL)
10. EXCAVATE AND REMOVE EXISTING HANDHOLE (4 TOTAL)

REFERENCE NOTES

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

CIRCUIT IDENTIFICATION

SEE CIRCUIT IDENTIFICATION NOTES ON SHEET EA–001.

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

0 30' 60'
SCALE:1"=30'

PRIME CONSULTANT
TRACE CONSULTING
101 E. Jefferson St. | Suite 3 | Phoenix, AZ 85004

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10
AV31000096 FAA/ADOT

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 04/20/2026
Dwg scale: 1" = 30'

ADOT GRANT NUMBER(S): XXX

SHEET OVERVIEW TITLE

AIRFIELD ELECTRICAL DEMOLITION PLAN

SHEET REFERENCE NUMBER: ED-104

SHEET 54 OF 76

G:\PROJECTS\V22000\22002 DVT Txy C Connectors C4-C10\CAD\CAD SHEETS\GMP 2 SHEETS\GMP 2 SHEETS\GMP 2_22002 ED-101 – ED-1XX – GMP2.dwg – Apr 20,2026 3:05pm

MATCHLINE – SEE SHEET ED–104

MATCHLINE – SEE SHEET ED–106

EXISTING RUNWAY 7R–25L

EXISTING TAXIWAY C9

EXISTING TAXIWAY C

EXISTING TAXIWAY D

C9 7R - 25L

7R-25L

C C6

C C8

K C6

K C9

OFZ

RSA

ROFA

EU$_X$

EL

TYP

(2–4"C)

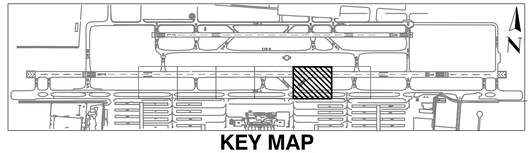
(8–2"C)

(12–2"C)

(4–2"C)

N

KEY MAP



DEMOLITION NOTES

1. REMOVE AND SALVAGE EXISTING TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER – REMOVE BASE CAN (14 TOTAL)
2. REMOVE AND SALVAGE EXISTING TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER – BASE CAN TO REMAIN (3 TOTAL)
3. EXCAVATE AND REMOVE EXISTING CONDUIT AND CONDUCTOR (1,665 LF)
4. REMOVE EXISTING CONDUCTOR – CONDUIT TO REMAIN (755 LF)
5. REMOVE AND SALVAGE EXISTING AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER – REMOVE SIGN BASE (4 TOTAL)
6. REMOVE AND SALVAGE EXISTING AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER – SIGN BASE TO REMAIN (1 TOTAL)
9. REMOVE AND SALVAGE EXISTING RUNWAY GUARD LIGHT AND ISOLATION TRANSFORMER – REMOVE BASE CAN (1 TOTAL)
10. EXCAVATE AND REMOVE EXISTING HANDHOLE (1 TOTAL)
11. REMOVE EXISTING JUNCTION CAN/PULLBOX (1 TOTAL)

REFERENCE NOTES

1. EXISTING TAXIWAY EDGE LIGHT TO REMAIN – PROTECT IN PLACE
2. EXISTING RUNWAY EDGE LIGHT TO REMAIN – PROTECT IN PLACE
3. EXISTING AIRFIELD GUIDANCE SIGN TO REMAIN – PROTECT IN PLACE
4. EXISTING HANDHOLE OR JUNCTION CAN TO REMAIN – PROTECT IN PLACE
5. EXISTING CONDUIT AND CONDUCTOR TO REMAIN – PROTECT IN PLACE
6. EXISTING CONDUIT TO REMAIN – PROTECT IN PLACE
7. EXISTING DUCTBANK TO REMAIN – PROTECT IN PLACE
8. APPROXIMATE SPLICE POINT OF CONDUIT AND COUNTERPOISE

CIRCUIT IDENTIFICATION

SEE CIRCUIT IDENTIFICATION NOTES ON SHEET EA–001.

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

0 30' 60'

SCALE:1"=30'

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.creng.com

90% SUBMITTAL

PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT GYR
CITY OF PHOENIX AVIATION DEPARTMENT

DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 04/20/2026
Dwg scale: 1" = 30'

ADOT GRANT NUMBER(S): XXX

SHEET OVERVIEW TITLE

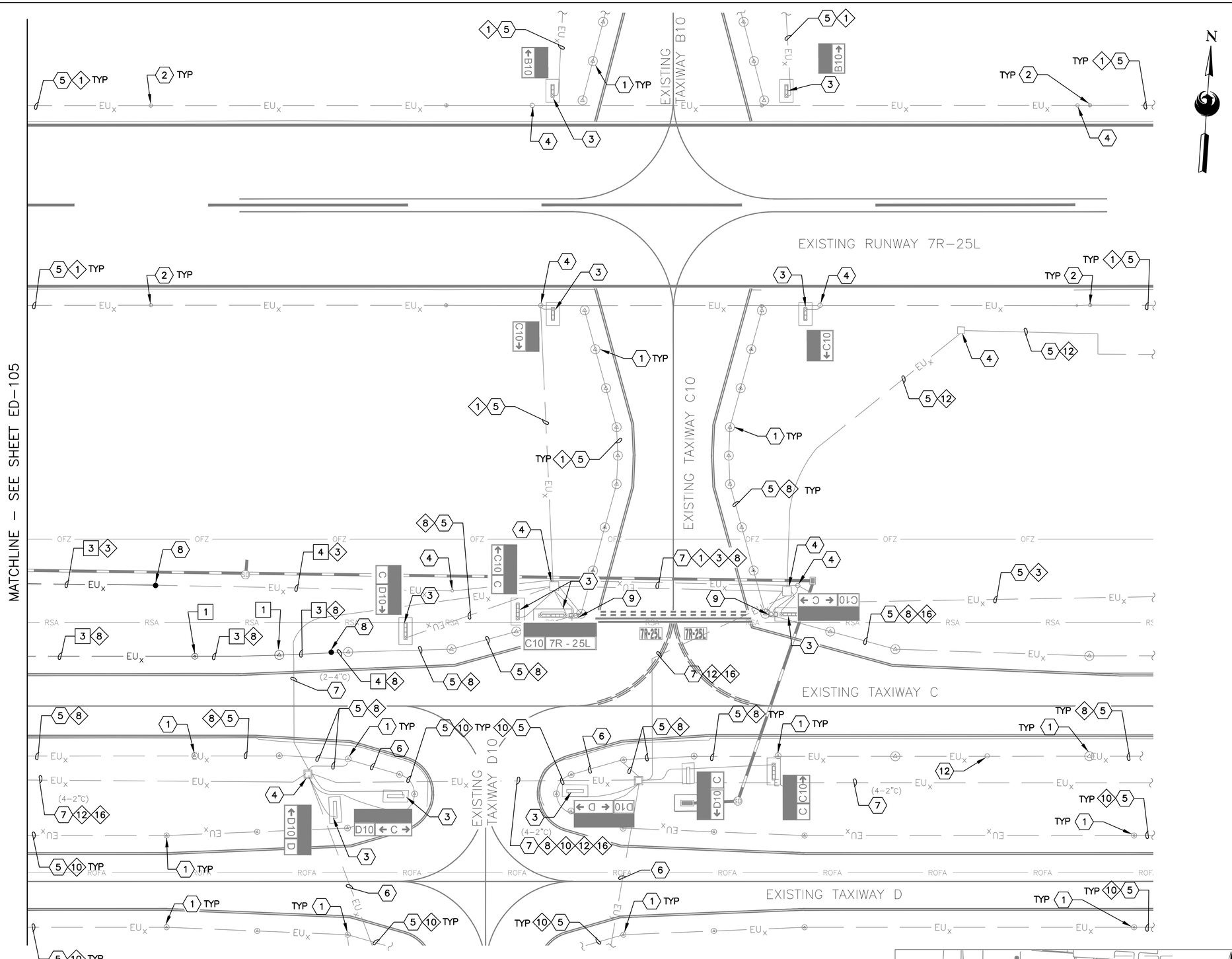
AIRFIELD ELECTRICAL DEMOLITION PLAN

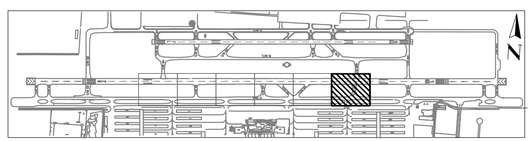
SHEET REFERENCE NUMBER:
ED-105

SHEET 55 OF 76

D:\PROJECTS\22000\22002 DVT Txy C Connectors C4-C10\CAD\CAD SHEETS\GMP 2 SHEETS\ 22002_ED-101_-_ED-1XX_-_GMP2.dwg - Apr 20,2026 2:05pm

Q:\PROJECTS\22000\22002 PVT Twy C Connectors C4-C10\CAD\CAD SHEETS\GMP 2 SHEETS\ 22002_ED-101 _ ED-1XX _ GMP2.dwg — Apr 20,2026 2:18pm





DEMOLITION NOTES

1. REMOVE AND SALVAGE EXISTING TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER – REMOVE BASE CAN (2 TOTAL)
3. EXCAVATE AND REMOVE EXISTING CONDUIT AND CONDUCTOR (265 LF)
4. REMOVE EXISTING CONDUCTOR – CONDUIT TO REMAIN (190 LF)

REFERENCE NOTES

1. EXISTING TAXIWAY EDGE LIGHT TO REMAIN – PROTECT IN PLACE
2. EXISTING RUNWAY EDGE LIGHT TO REMAIN – PROTECT IN PLACE
3. EXISTING AIRFIELD GUIDANCE SIGN TO REMAIN – PROTECT IN PLACE
4. EXISTING HANDHOLE OR JUNCTION CAN TO REMAIN – PROTECT IN PLACE
5. EXISTING CONDUIT AND CONDUCTOR TO REMAIN – PROTECT IN PLACE
6. EXISTING CONDUIT TO REMAIN – PROTECT IN PLACE
7. EXISTING DUCTBANK TO REMAIN – PROTECT IN PLACE
8. APPROXIMATE SPLICE POINT OF CONDUIT AND COUNTERPOISE
9. EXISTING ELEVATED RGL FIXTURE – PROTECT IN PLACE
12. EXISTING L–867 BASE CAN WITH BLANK COVER

CIRCUIT IDENTIFICATION

SEE CIRCUIT IDENTIFICATION NOTES ON SHEET EA–001.

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

0 30' 60'
SCALE:1"=30'

PRIME CONSULTANT
TRACE CONSULTING
101 E. Jefferson St. | Suite 3 | Phoenix, AZ 85004

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT ENGINEERING
CITY OF PHOENIX AVIATION DEPARTMENT

DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 04/20/2026
Dwg scale: 1" = 30'

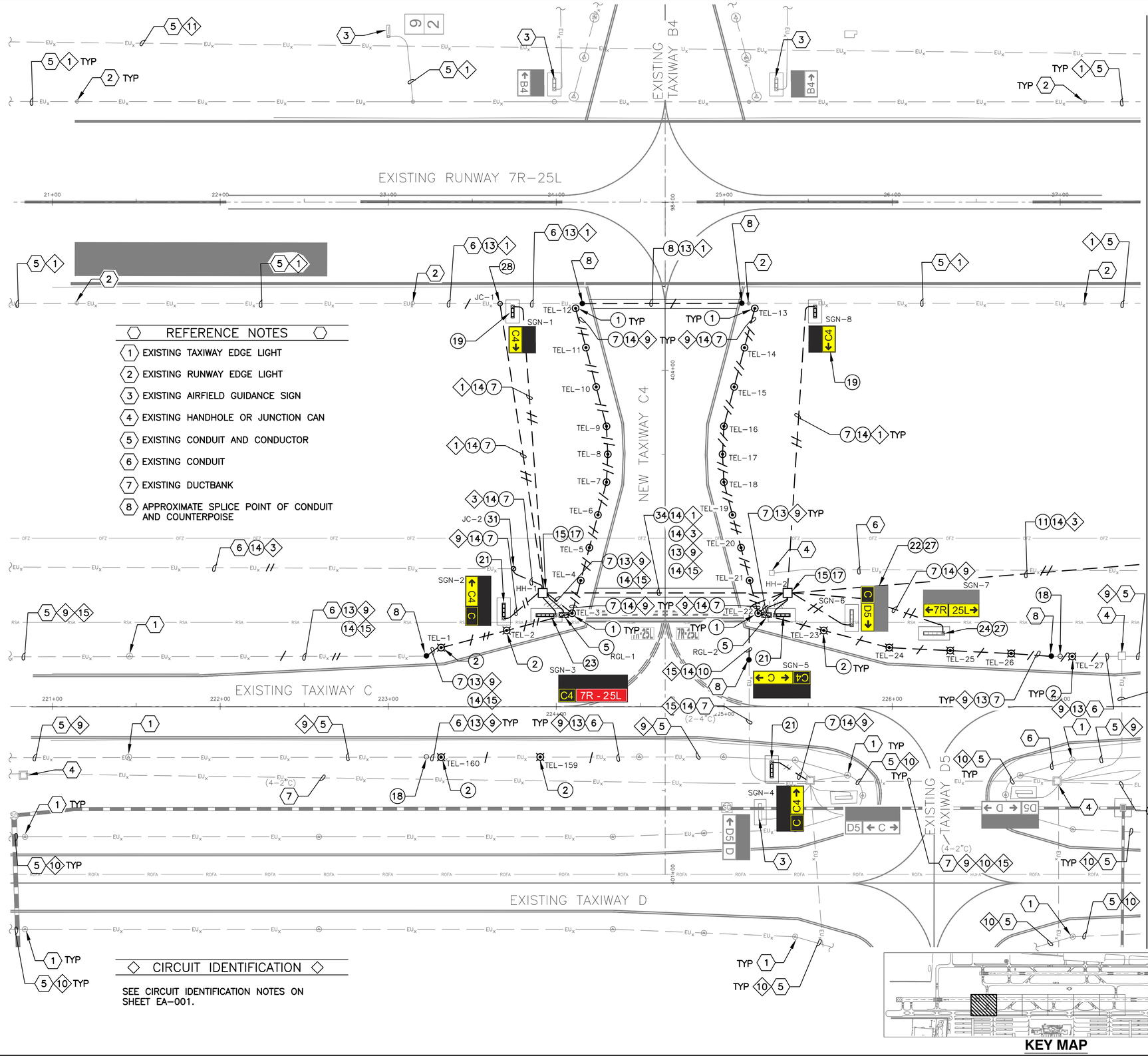
ADOT GRANT NUMBER(S): XXX

SHEET OVERVIEW TITLE

AIRFIELD ELECTRICAL DEMOLITION PLAN

SHEET REFERENCE NUMBER:
ED-106

SHEET 56 OF 76



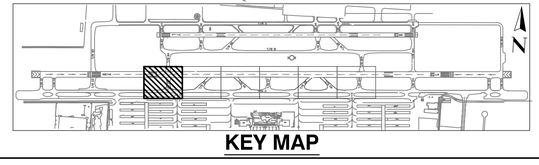
REFERENCE NOTES

1. EXISTING TAXIWAY EDGE LIGHT
2. EXISTING RUNWAY EDGE LIGHT
3. EXISTING AIRFIELD GUIDANCE SIGN
4. EXISTING HANDHOLE OR JUNCTION CAN
5. EXISTING CONDUIT AND CONDUCTOR
6. EXISTING CONDUIT
7. EXISTING DUCTBANK
8. APPROXIMATE SPLICE POINT OF CONDUIT AND COUNTERPOISE

CIRCUIT IDENTIFICATION

SEE CIRCUIT IDENTIFICATION NOTES ON SHEET EA–001.

KEY MAP



CONSTRUCTION NOTES

1. INSTALL NEW ELEVATED LED L–861T(L) TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER ON NEW L–867 BASE CAN. (20 TOTAL)
2. INSTALL SALVAGED ELEVATED INCANDESCENT (QUARTZ) L–861T TAXIWAY EDGE LIGHT WITH NEW ISOLATION TRANSFORMER ON NEW L–867 BASE CAN. (9 TOTAL)
5. INSTALL SALVAGED ELEVATED L–804(L) LED RUNWAY GUARD LIGHT AND ISOLATION TRANSFORMER ON NEW L–867 BASE CAN. (2 TOTAL)
7. 1–2"C SE (1,510 LF)
8. 1–2"C CE (95 LF)
10. 2–4"C CE (55 LF)
11. 4–2"C SE (215 LF)
13. 1/C, #8–5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (1,210 LF)
14. 2/C, #8–5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (3,085 LF)
15. NEW 4'x4'x4' HANDHOLE WITH AIRCRAFT RATED LID (2 TOTAL)
17. INSTALL NEW RGL ISOLATION CONDUITS IN NEW OR EXISTING HANDHOLE (2 TOTAL)
18. INSTALL NEW BLANK COVER ON EXISTING L–867 BASE CAN (2 TOTAL)
19. INSTALL NEW L–858(L) LED, SIZE 1, 2–MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD. (2 TOTAL)
21. INSTALL NEW L–858(L) LED, SIZE 1, 3–MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD. (3 TOTAL)
22. INSTALL SALVAGED L–858(L) LED, SIZE 1, 3–MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD. (1 TOTAL)
23. INSTALL NEW L–858(L) LED, SIZE 1, 4–MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD. (1 TOTAL)
24. INSTALL SALVAGED L–858(L) LED, SIZE 1, 4–MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD. (1 TOTAL)
27. INSTALL NEW SIZE 1 SIGN PANELS IN EXISTING AIRFIELD GUIDANCE SIGN. (7 TOTAL)
28. NEW L–867B (12" DIA.) JUNCTION CAN (1 TOTAL)
31. NEW L–867D (16" DIA.) JUNCTION CAN (1 TOTAL)
34. 6–2"C CE (145 LF)

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

PRIME CONSULTANT: TRACE CONSULTING, 101 E. Jefferson St. | Suite 3 | Phoenix, AZ 85004

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT GYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 04/27/2026
Dwg scale: 1" = 30'

ADOT GRANT NUMBER(S): XXX

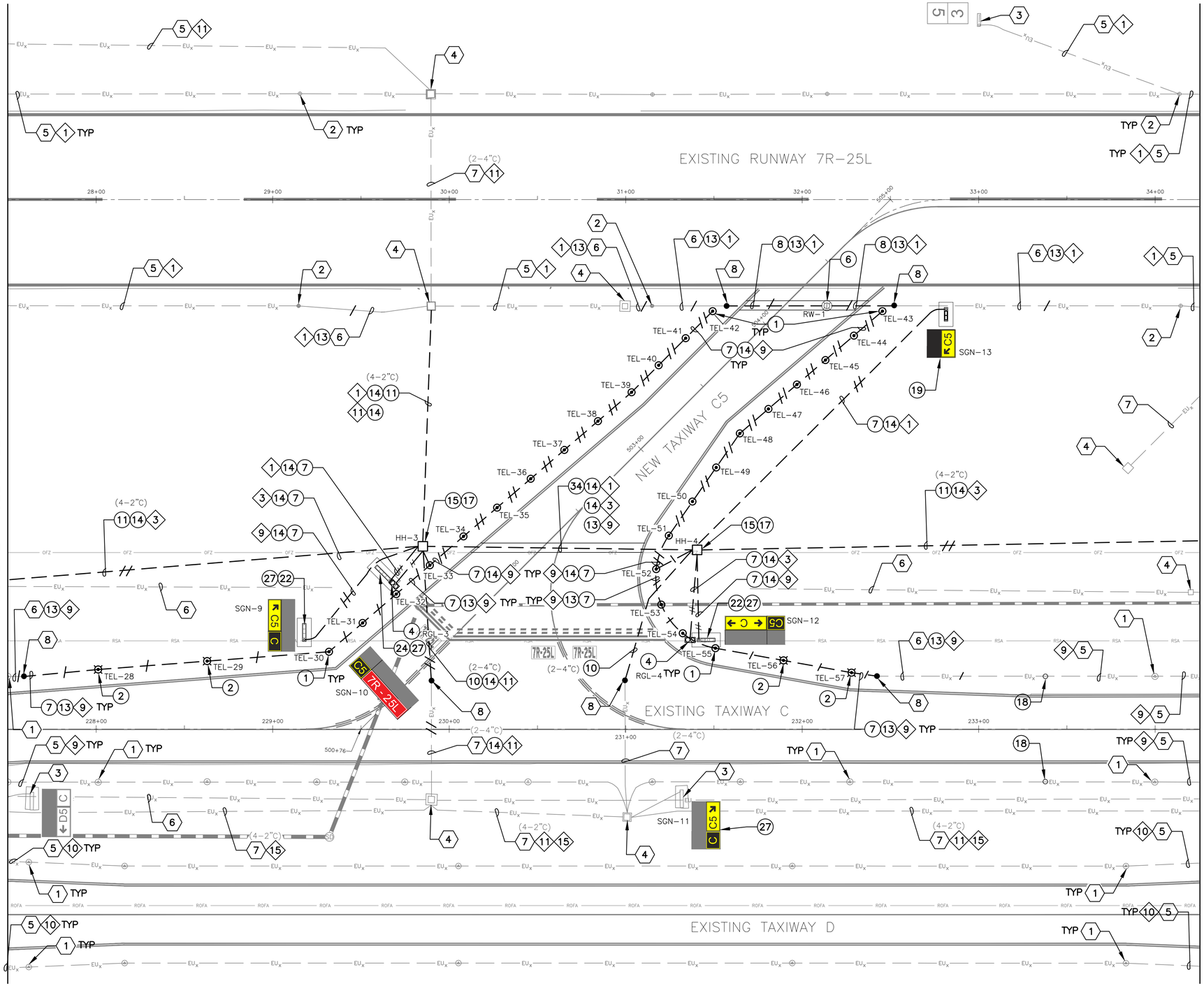
SHEET OVERVIEW TITLE

AIRFIELD LIGHTING AND ELECTRICAL PLAN

SHEET REFERENCE NUMBER: EA-101

SHEET 57 OF 76

Q:\PROJECTS\22000\22002 DVT Twy C Connectors C4-C10\CAD\CAD SHEETS\GMP 2 SHEETS\ 22002 EA-101 - EA-1XX - GMP2.dwg - Apr 15,2026 3:42pm



CONSTRUCTION NOTES

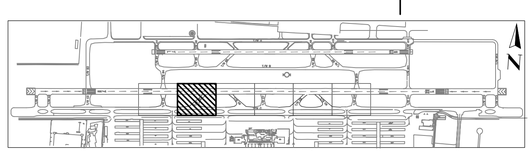
1. INSTALL NEW ELEVATED LED L–861T(L) TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER ON NEW L–867 BASE CAN. (26 TOTAL)
2. INSTALL SALVAGED ELEVATED INCANDESCENT (QUARTZ) L–861T TAXIWAY EDGE LIGHT WITH NEW ISOLATION TRANSFORMER ON NEW L–867 BASE CAN. (4 TOTAL)
4. INSTALL NEW ELEVATED L–804(L) LED RUNWAY GUARD LIGHT AND ISOLATION TRANSFORMER ON NEW L–867 BASE CAN. (2 TOTAL)
6. INSTALL NEW L–852D MEDIUM INTENSITY IN–PAVEMENT RUNWAY EDGE LIGHT (BIDIRECTIONAL W/W) ON NEW L–868 BASE CAN. (1 TOTAL)
7. 1–2"C SE (1,290 LF)
8. 1–2"C CE (95 LF)
10. 2–4"C CE (165 LF)
11. 4–2"C SE (650 LF)
13. 1/C, #8–5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (1,240 LF)
14. 2/C, #8–5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (2,560 LF)
15. NEW 4'x4'x4' HANDHOLE WITH AIRCRAFT RATED LID (2 TOTAL)
17. INSTALL NEW RGL ISOLATION CONDUITS IN NEW OR EXISTING HANDHOLE (2 TOTAL)
18. INSTALL NEW BLANK COVER ON EXISTING L–867 BASE CAN (2 TOTAL)
19. INSTALL NEW L–858(L) LED, SIZE 1, 2–MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD. (1 TOTAL)
22. INSTALL SALVAGED L–858(L) LED, SIZE 1, 3–MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD. (2 TOTAL)
24. INSTALL SALVAGED L–858(L) LED, SIZE 1, 4–MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD. (1 TOTAL)
27. INSTALL NEW SIZE 1 SIGN PANELS IN EXISTING AIRFIELD GUIDANCE SIGN. (13 TOTAL)
34. 6–2"C CE (155 LF)

REFERENCE NOTES

1. EXISTING TAXIWAY EDGE LIGHT
2. EXISTING RUNWAY EDGE LIGHT
3. EXISTING AIRFIELD GUIDANCE SIGN
4. EXISTING HANDHOLE OR JUNCTION CAN
5. EXISTING CONDUIT AND CONDUCTOR
6. EXISTING CONDUIT
7. EXISTING DUCTBANK
8. APPROXIMATE SPLICE POINT OF CONDUIT AND COUNTERPOISE

CIRCUIT IDENTIFICATION

SEE CIRCUIT IDENTIFICATION NOTES ON SHEET EA–001.



KEY MAP

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

PRIME CONSULTANT
TRACE CONSULTING
101 E. Jefferson St. | Suite 3 | Phoenix, AZ 85004

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10
AV31000096 FAA/ADOT

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 04/27/2026
Dwg scale: 1" = 30'

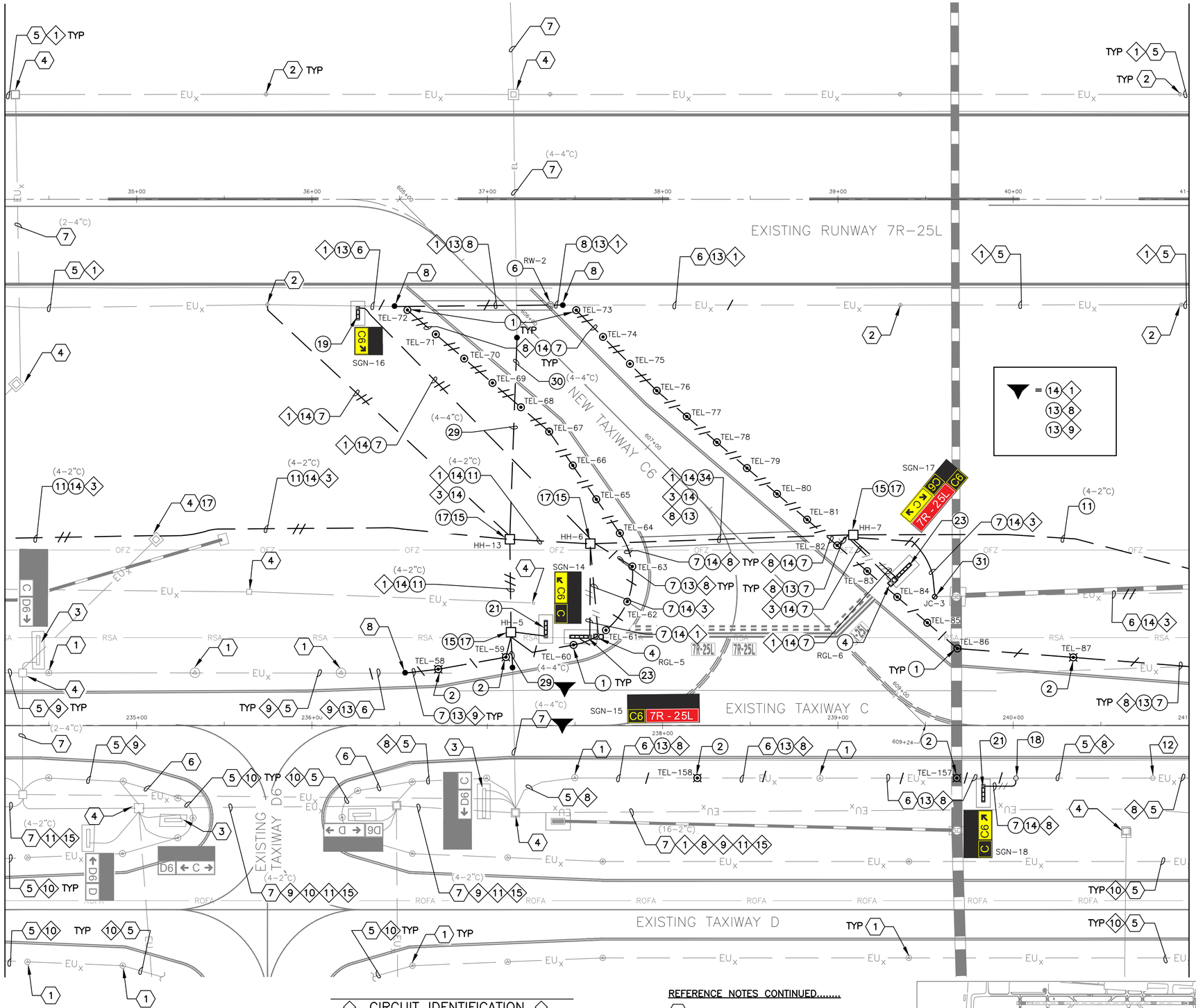
ADOT GRANT NUMBER(S): XXX

SHEET OVERVIEW TITLE
AIRFIELD LIGHTING AND ELECTRICAL PLAN

SHEET REFERENCE NUMBER:
EA-102

SHEET 58 OF 76

Q:\PROJECTS\220000\220002 DVT Txy C Connectors C4-C10\CAD\CAD SHEETS\GMP 2 SHEETS\ 220002 EA-101 – EA-1XX – GMP2.dwg – Apr 13,2026 2:34pm



CIRCUIT IDENTIFICATION

SEE CIRCUIT IDENTIFICATION NOTES ON SHEET EA–001.

REFERENCE NOTES CONTINUED.....

12 EXISTING L–867 BASE CAN WITH BLANK COVER

KEY MAP

CONSTRUCTION NOTES

1. INSTALL NEW ELEVATED LED L–861T(L) TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER ON NEW L–867 BASE CAN. (27 TOTAL)
2. INSTALL SALVAGED ELEVATED INCANDESCENT (QUARTZ) L–861T TAXIWAY EDGE LIGHT WITH NEW ISOLATION TRANSFORMER ON NEW L–867 BASE CAN. (5 TOTAL)
4. INSTALL NEW ELEVATED L–804(L) LED RUNWAY GUARD LIGHT AND ISOLATION TRANSFORMER ON NEW L–867 BASE CAN. (2 TOTAL)
6. INSTALL NEW L–852D MEDIUM INTENSITY IN–PAVEMENT RUNWAY EDGE LIGHT (BIDIRECTIONAL W/W) ON NEW L–868 BASE CAN. (1 TOTAL)
7. 1–2"C SE (1,490 LF)
8. 1–2"C CE (95 LF)
11. 4–2"C SE (575 LF)
13. 1/C, #8–5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (1,485 LF)
14. 2/C, #8–5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (2,980 LF)
15. NEW 4'x4'x4' HANDHOLE WITH AIRCRAFT RATED LID (4 TOTAL)
17. INSTALL NEW RGL ISOLATION CONDUITS IN NEW OR EXISTING HANDHOLE (5 TOTAL)
18. INSTALL NEW BLANK COVER ON EXISTING L–867 BASE CAN (1 TOTAL)
19. INSTALL NEW L–858(L) LED, SIZE 1, 2–MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD. (1 TOTAL)
21. INSTALL NEW L–858(L) LED, SIZE 1, 3–MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD. (2 TOTAL)
23. INSTALL NEW L–858(L) LED, SIZE 1, 4–MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD. (2 TOTAL)
29. 4–4"C SE (95 LF)
30. 4–4"C CE (35 LF)
31. NEW L–867D (16" DIA.) JUNCTION CAN (1 TOTAL)
34. 6–2"C CE (150 LF)

REFERENCE NOTES

1. EXISTING TAXIWAY EDGE LIGHT
2. EXISTING RUNWAY EDGE LIGHT
3. EXISTING AIRFIELD GUIDANCE SIGN
4. EXISTING HANDHOLE OR JUNCTION CAN
5. EXISTING CONDUIT AND CONDUCTOR
6. EXISTING CONDUIT
7. EXISTING DUCTBANK
8. APPROXIMATE SPLICE POINT OF CONDUIT AND COUNTERPOISE

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

PRIME CONSULTANT
TRACE CONSULTING
101 E. Jefferson St. | Suite 3 | Phoenix, AZ 85004

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT

DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by:	SW
Drawn by:	JBW
Checked by:	CA
Date:	04/27/2026
Dwg scale:	1" = 30'

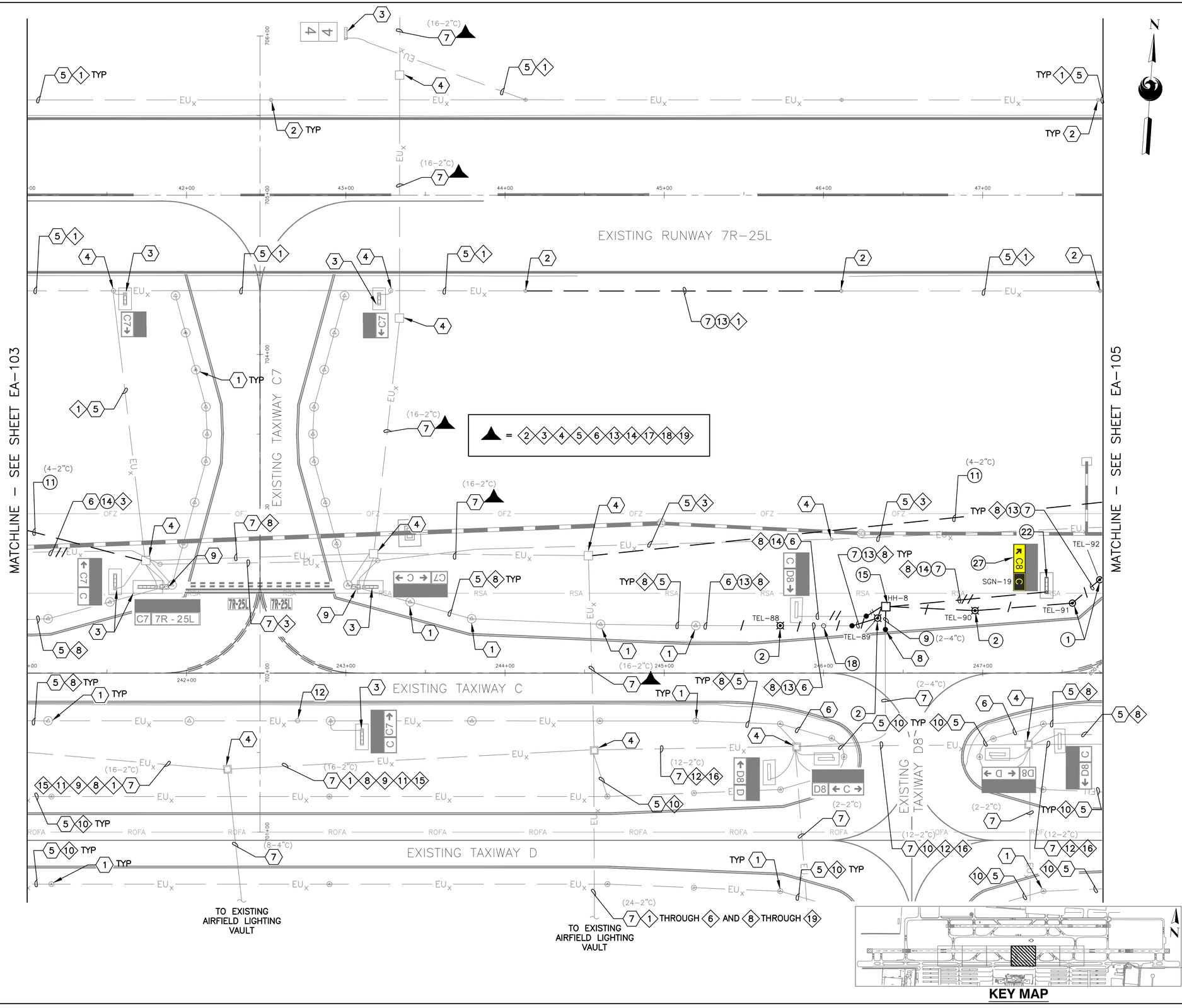
ADOT GRANT NUMBER(S): XXX

SHEET OVERVIEW TITLE

AIRFIELD LIGHTING AND ELECTRICAL PLAN

SHEET REFERENCE NUMBER:
EA–103

Q:\PROJECTS\22000\22002 DVT Twy C Connectors C4-C10\CAD\CAD SHEETS\GMP 2 SHEETS\22002_EA-101 – EA-1XX – GMP2.dwg – Apr 20,2026 2:20pm



CONSTRUCTION NOTES

1. INSTALL NEW ELEVATED LED L–861T(L) TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER ON NEW L–867 BASE CAN. (2 TOTAL)
2. INSTALL SALVAGED ELEVATED INCANDESCENT (QUARTZ) L–861T TAXIWAY EDGE LIGHT WITH NEW ISOLATION TRANSFORMER ON NEW L–867 BASE CAN. (3 TOTAL)
7. 1–2"C SE (480 LF)
9. 2–4"C SE (15 LF)
11. 4–2"C SE (400 LF)
13. 1/C, #8–5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (490 LF)
14. 2/C, #8–5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (290 LF)
15. NEW 4'x4'x4' HANDHOLE WITH AIRCRAFT RATED LID (1 TOTAL)
18. INSTALL NEW BLANK COVER ON EXISTING L–867 BASE CAN (1 TOTAL)
22. INSTALL SALVAGED L–858(L) LED, SIZE 1, 3–MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD. (1 TOTAL)
27. INSTALL NEW SIZE 1 SIGN PANELS IN EXISTING AIRFIELD GUIDANCE SIGN. (3 TOTAL)

REFERENCE NOTES

1. EXISTING TAXIWAY EDGE LIGHT
2. EXISTING RUNWAY EDGE LIGHT
3. EXISTING AIRFIELD GUIDANCE SIGN
4. EXISTING HANDHOLE OR JUNCTION CAN
5. EXISTING CONDUIT AND CONDUCTOR
6. EXISTING CONDUIT
7. EXISTING DUCTBANK
8. APPROXIMATE SPLICE POINT OF CONDUIT AND COUNTERPOISE
9. EXISTING ELEVATED RGL FIXTURE
12. EXISTING L–867 BASE CAN WITH BLANK COVER

CIRCUIT IDENTIFICATION

SEE CIRCUIT IDENTIFICATION NOTES ON SHEET EA–001.

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

PRIME CONSULTANT
TRACE CONSULTING
101 E. Jefferson St. | Suite 3 | Phoenix, AZ 85004

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT EYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10
AV31000096 FAA/ADOT

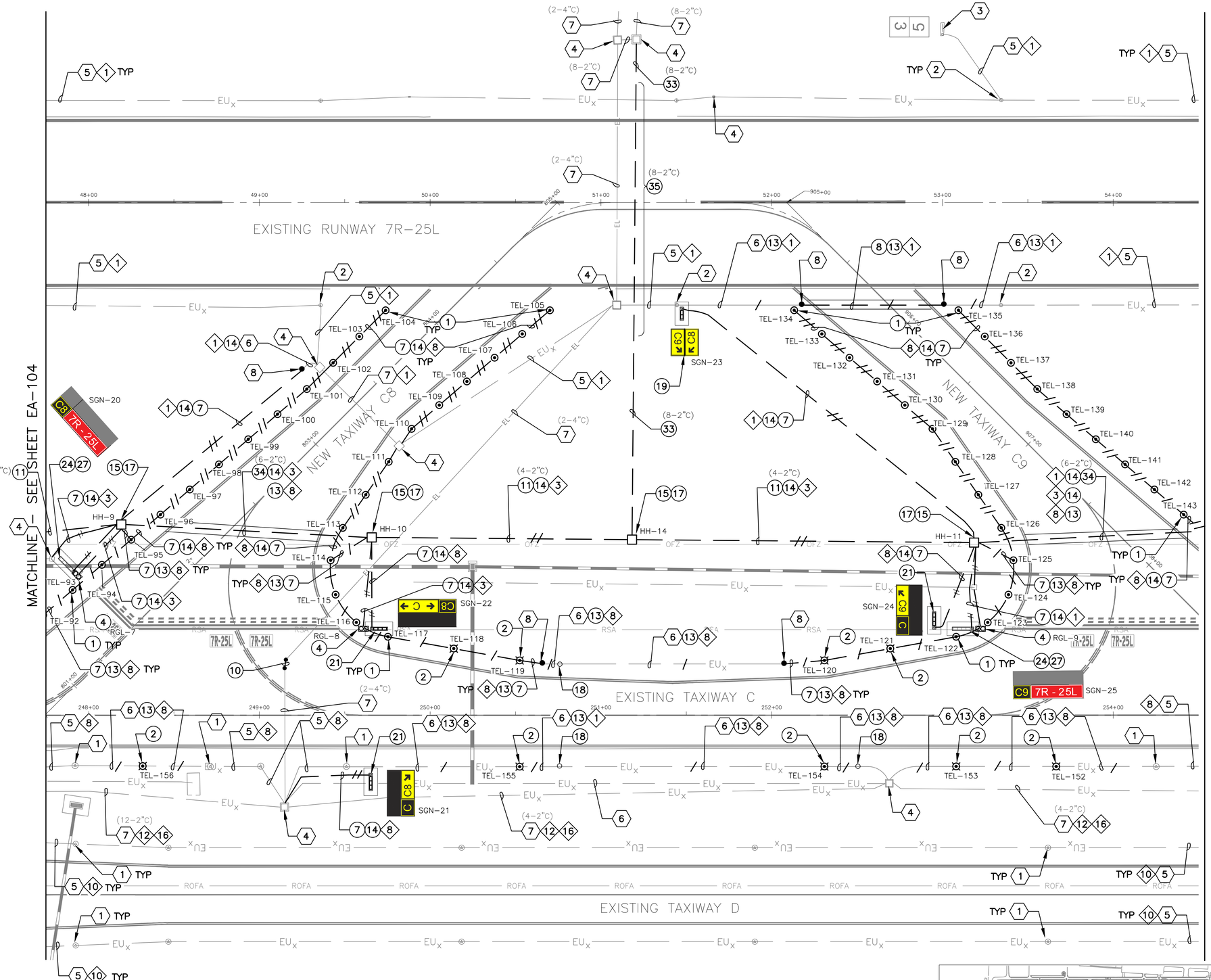
Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 04/27/2026
Dwg scale: 1" = 30'
ADOT GRANT NUMBER(S): XXX

SHEET OVERVIEW TITLE
AIRFIELD LIGHTING AND ELECTRICAL PLAN

SHEET REFERENCE NUMBER:
EA-104

SHEET 60 OF 76

Q:\PROJECTS\22000\22002 DVT Txy C Connectors C4-C10\CAD\CAD SHEETS\GMP 2 SHEETS\22002_EA-101 – EA-1XX – GMP2.dwg – Apr 20,2026 2:25pm



CIRCUIT IDENTIFICATION

SEE CIRCUIT IDENTIFICATION NOTES ON SHEET EA–001.

KEY MAP

CONSTRUCTION NOTES

1. INSTALL NEW ELEVATED LED L–861T(L) TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER ON NEW L–867 BASE CAN. (47 TOTAL)
2. INSTALL SALVAGED ELEVATED INCANDESCENT (QUARTZ) L–861T TAXIWAY EDGE LIGHT WITH NEW ISOLATION TRANSFORMER ON NEW L–867 BASE CAN. (9 TOTAL)
4. INSTALL NEW ELEVATED L–804(L) LED RUNWAY GUARD LIGHT AND ISOLATION TRANSFORMER ON NEW L–867 BASE CAN. (3 TOTAL)
7. 1–2"C SE (2,045 LF)
8. 1–2"C CE (85 LF)
10. 2–4"C CE (10 LF)
11. 4–2"C SE (395 LF)
13. 1/C, #8–5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (2,020 LF)
14. 2/C, #8–5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (3,105 LF)
15. NEW 4'x4'x4' HANDHOLE WITH AIRCRAFT RATED LID (4 TOTAL)
17. INSTALL NEW RGL ISOLATION CONDUITS IN NEW OR EXISTING HANDHOLE (4 TOTAL)
18. INSTALL NEW BLANK COVER ON EXISTING L–867 BASE CAN (2 TOTAL)
19. INSTALL NEW L–858(L) LED, SIZE 1, 2–MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD. (1 TOTAL)
21. INSTALL NEW L–858(L) LED, SIZE 1, 3–MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD. (3 TOTAL)
24. INSTALL SALVAGED L–858(L) LED, SIZE 1, 4–MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD. (2 TOTAL)
27. INSTALL NEW SIZE 1 SIGN PANELS IN EXISTING AIRFIELD GUIDANCE SIGN. (8 TOTAL)
33. 8–2"C SE (135 LF)
34. 6–2"C CE (280 LF)
35. 8–2"C DIRECTIONAL BORE (160 LF)

REFERENCE NOTES

1. EXISTING TAXIWAY EDGE LIGHT
2. EXISTING RUNWAY EDGE LIGHT
3. EXISTING AIRFIELD GUIDANCE SIGN
4. EXISTING HANDHOLE OR JUNCTION CAN
5. EXISTING CONDUIT AND CONDUCTOR
6. EXISTING CONDUIT
7. EXISTING DUCTBANK
8. APPROXIMATE SPLICE POINT OF CONDUIT AND COUNTERPOISE

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

PRIME CONSULTANT
TRACE CONSULTING
101 E. Jefferson St. | Suite 3 | Phoenix, AZ 85004

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 04/27/2026
Dwg scale: 1" = 30'

ADOT GRANT NUMBER(S): XXX

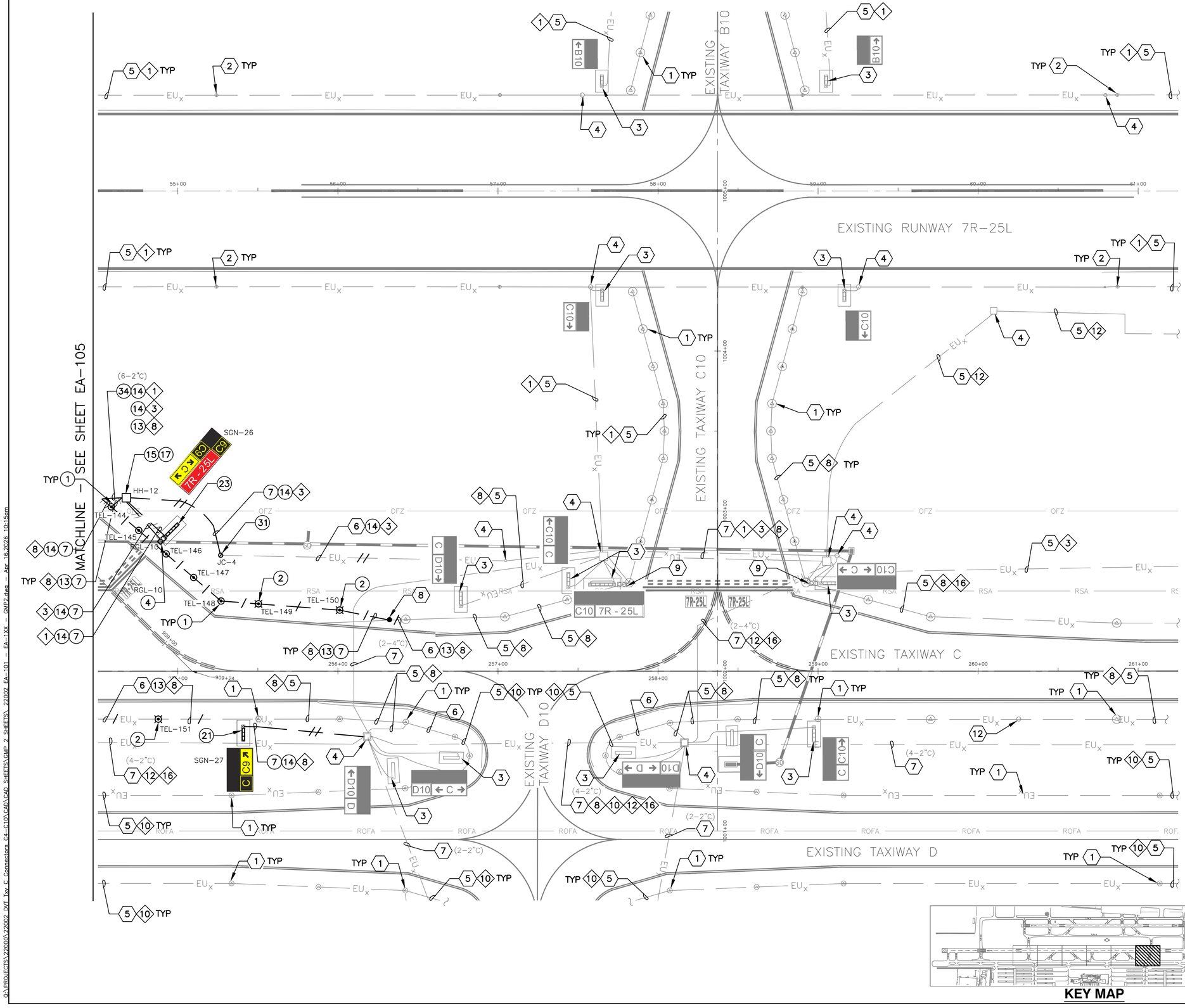
SHEET OVERVIEW TITLE

AIRFIELD LIGHTING AND ELECTRICAL PLAN

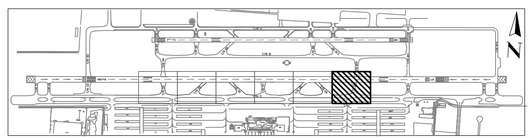
SHEET REFERENCE NUMBER:
EA–105

SHEET 61 OF 76

Q:\PROJECTS\220000\220002_DVT Txy C Connectors C4-C10\CAD\CAD SHEETS\GMP 2 SHEETS\ 22002_EA–101 – EA–1XX – GMP2.dwg – Apr 20,2026 2:31pm



KEY MAP



CONSTRUCTION NOTES

1. INSTALL NEW ELEVATED LED L–861T(L) TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER ON NEW L–867 BASE CAN. (5 TOTAL)
2. INSTALL SALVAGED ELEVATED INCANDESCENT (QUARTZ) L–861T TAXIWAY EDGE LIGHT WITH NEW ISOLATION TRANSFORMER ON NEW L–867 BASE CAN. (3 TOTAL)
4. INSTALL NEW ELEVATED L–804(L) LED RUNWAY GUARD LIGHT AND ISOLATION TRANSFORMER ON NEW L–867 BASE CAN. (1 TOTAL)
7. 1–2"C SE (720 LF)
13. 1/C, #8–5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (340 LF)
14. 2/C, #8–5KV, TYPE C AIRFIELD LIGHTING CABLE WITH #6 GROUND (585 LF)
15. NEW 4'x4'x4' HANDHOLE WITH AIRCRAFT RATED LID (1 TOTAL)
17. INSTALL NEW RGL ISOLATION CONDUITS IN NEW OR EXISTING HANDHOLE (1 TOTAL)
21. INSTALL NEW L–858(L) LED, SIZE 1, 3–MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD. (1 TOTAL)
23. INSTALL NEW L–858(L) LED, SIZE 1, 4–MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD. (1 TOTAL)
31. NEW L–867D (16" DIA.) JUNCTION CAN (2 TOTAL)
34. 6–2"C CE (20 LF)

REFERENCE NOTES

1. EXISTING TAXIWAY EDGE LIGHT
2. EXISTING RUNWAY EDGE LIGHT
3. EXISTING AIRFIELD GUIDANCE SIGN
4. EXISTING HANDHOLE OR JUNCTION CAN
5. EXISTING CONDUIT AND CONDUCTOR
6. EXISTING CONDUIT
7. EXISTING DUCTBANK
8. APPROXIMATE SPLICE POINT OF CONDUIT AND COUNTERPOISE
9. EXISTING ELEVATED RGL FIXTURE
12. EXISTING L–867 BASE CAN WITH BLANK COVER

CIRCUIT IDENTIFICATION

SEE CIRCUIT IDENTIFICATION NOTES ON SHEET EA–001.

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

PRIME CONSULTANT
TRACE CONSULTING
101 E. Jefferson St. | Suite 3 | Phoenix, AZ 85004

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10
AV31000096 FAA/ADOT

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 04/27/2026
Dwg scale: 1" = 30'

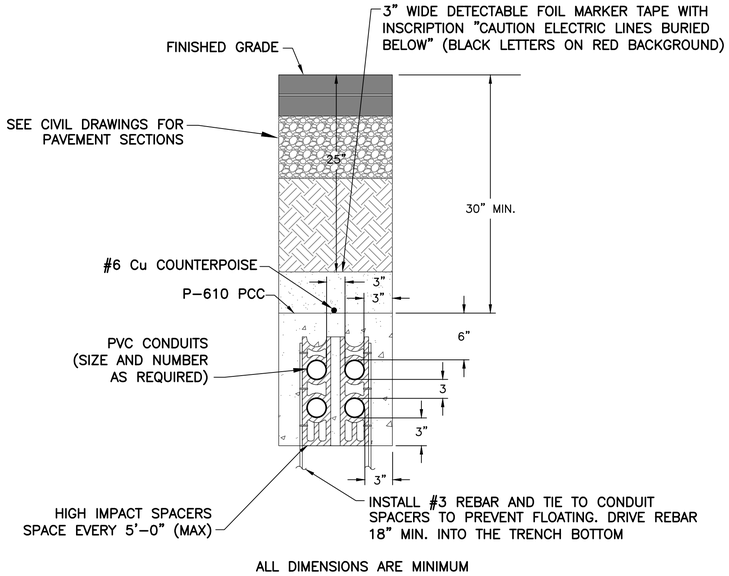
ADOT GRANT NUMBER(S): XXX

SHEET OVERVIEW TITLE
AIRFIELD LIGHTING AND ELECTRICAL PLAN

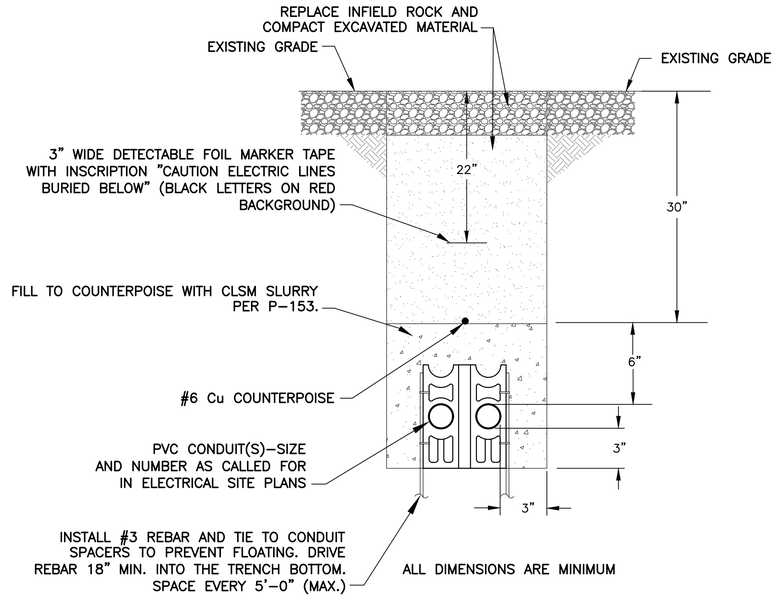
SHEET REFERENCE NUMBER:
EA-106

SHEET 62 OF 76

G:\PROJECTS\22000\22002 DVT Twy C Connectors C4-C10\CAD\CAD SHEETS\GMP 2 SHEETS\ 22002 EA-101 – EA-1XX – GMP2.dwg – Apr 16,2026 10:15am

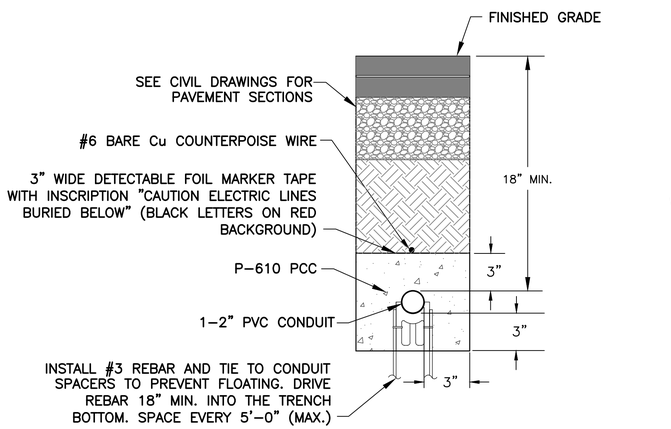


501 TYP — CONCRETE ENCASED (CE) CONDUIT DUCTBANK
NTS

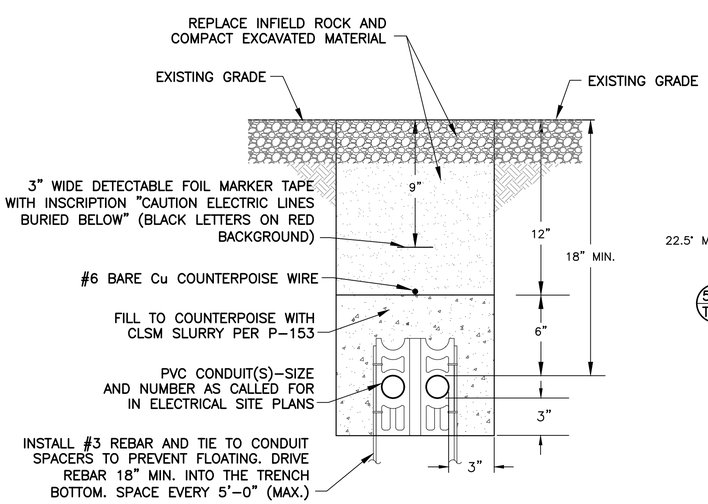


503 TYP — SLURRY ENCASED (SE) CONDUIT DUCTBANK
NTS

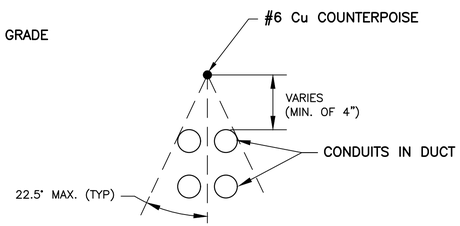
SEE CONDUIT INSTALLATION NOTES ON SHEET EA-002



504 TYP — CONDUIT DETAIL - CONCRETE ENCASED (CE)
NTS

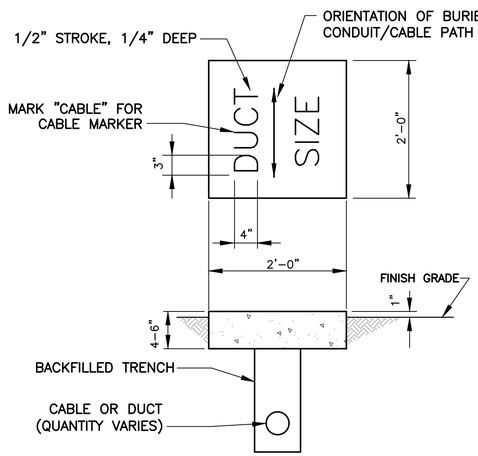


505 TYP — CONDUIT DETAIL - SLURRY ENCASED (SE)
NTS



506 TYP — COUNTERPOISE COVERAGE
NTS

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



663 TYP — CABLE/DUCT MARKER
NTS

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

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

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10
AV31000096 FAA/ADOT

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 04/27/2026
Dwg scale: NTS

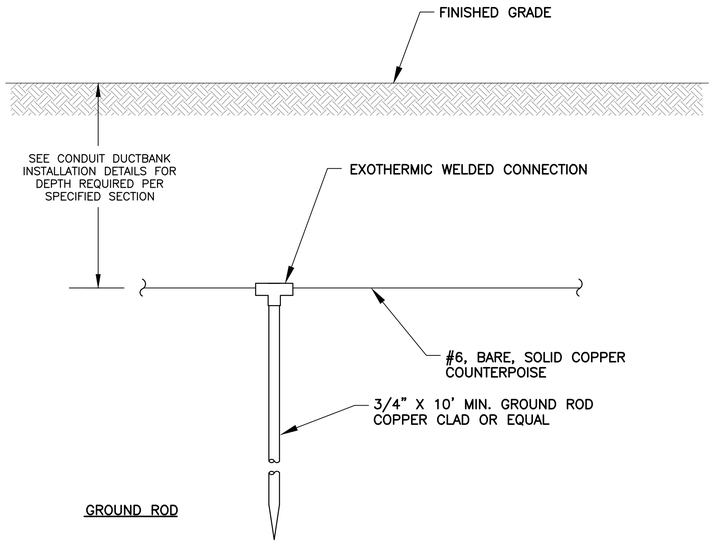
ADOT GRANT NUMBER(S): XXX

SHEET OVERVIEW TITLE
ELECTRICAL DETAILS - CONDUIT DUCTBANKS AND DUCT MARKER

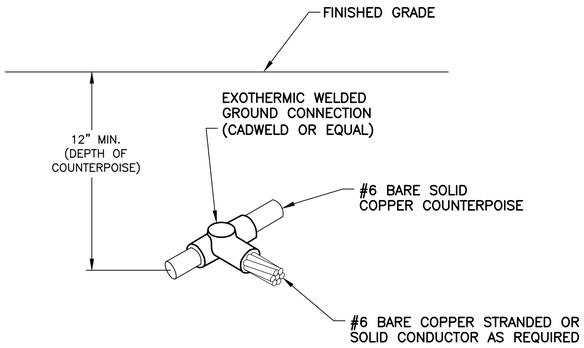
SHEET REFERENCE NUMBER:
EA-501

SHEET 63 OF 76

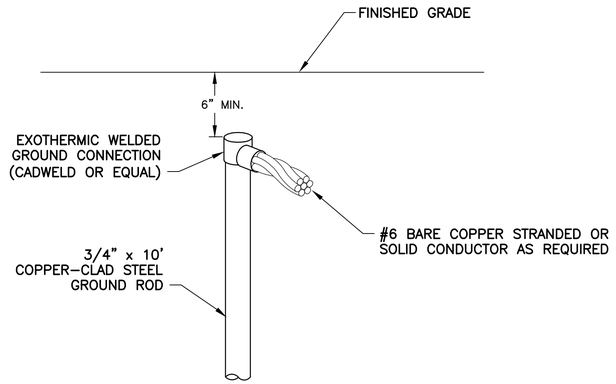
Q:\PROJECTS\220000\220002 DVT Tax C Connectors C4-C10\CAD\CAD SHEETS\GMP 2 SHEETS\ 220002_EA-501-CONDUIT DUCTBANKS AND DUCT MARKER-GMP2.dwg — Apr 14,2026 10:53am



761 TYP COUNTERPOISE INSTALLATION DETAIL
NTS



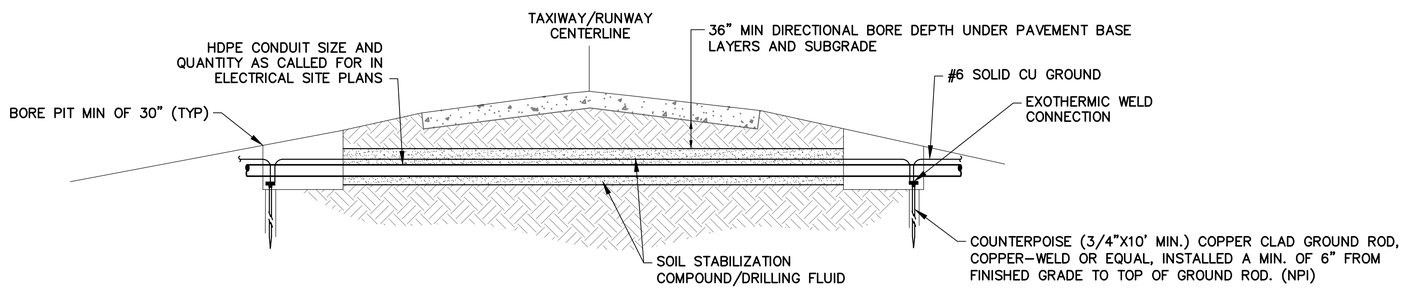
766 TYP COUNTERPOISE TO CABLE CONNECTION DETAIL
NTS



767 TYP CABLE TO GROUND ROD CONNECTION DETAIL
NTS

NOTES

1. COST OF GROUND RODS SHALL BE INCIDENTAL TO THE ASSOCIATED ITEMS REQUIRING GROUNDING UNLESS OTHERWISE SPECIFIED.
2. WHERE POSSIBLE, NEW COUNTERPOISE SYSTEM SHALL BE CONNECTED TO ANY EXISTING COUNTERPOISE SYSTEM ENCOUNTERED.
3. GROUNDING ELECTRODES INSTALLED AS PART OF THE COUNTERPOISE SYSTEM SHALL BE SPACED AT DISTANCES NO GREATER THAN 500 FT. (MAX).
4. REFER TO DETAILS 501 AND 504, SHEET EA-501, FOR CONCRETE ENCASED CONDUITS. REFER TO DETAILS 503 AND 505, SHEET EA-501, FOR SLURRY ENCASED CONDUITS.
5. MAINTAIN SIX INCH (MINIMUM) VERTICAL SEPARATION BETWEEN COUNTERPOISE AND TYPE "C" CABLE IN 2" CONDUIT.
6. PROVIDE GROUND ROD FOR EXOTHERMICALLY WELDING TO COUNTERPOISE AT END OF SINGLE CONDUITS TERMINATING AT FIXTURE OR SIGN BASES IF DISTANCE IS GREATER THAN 100' FROM HANDHOLE OR LAST INSTALLED COUNTERPOISE ROD.



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

PRIME CONSULTANT
TRACE CONSULTING
101 E. Jefferson St. | Suite 3 | Phoenix, AZ 85004

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10
AV31000096 FAA/ADOT

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 04/27/2026
Dwg scale: NTS

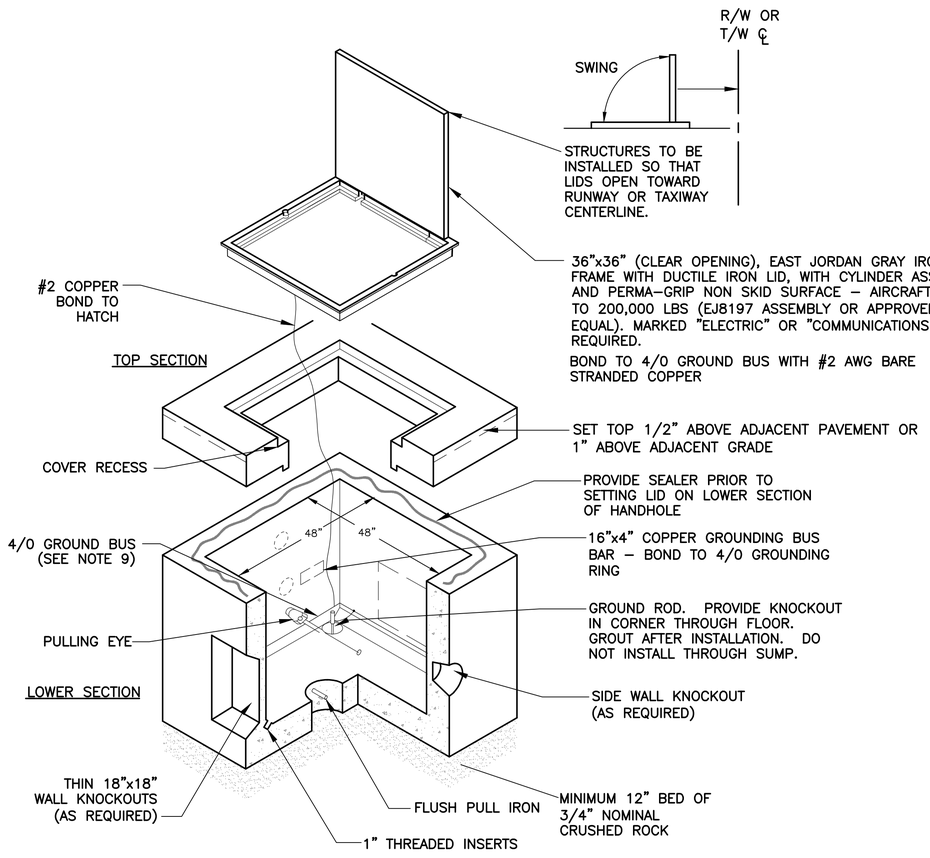
ADOT GRANT NUMBER(S): XXX

SHEET OVERVIEW TITLE
ELECTRICAL DETAILS - COUNTERPOISE AND GROUNDING

SHEET REFERENCE NUMBER:
EA-502

SHEET 64 OF 76

Q:\PROJECTS\220000\22002_DVT Txy C Connectors C4-C10\CAD\CAD SHEETS\GMP 2 SHEETS\ 22002_EA-502-COUNTERPOISE AND GROUNDING-GMP2.dwg — Apr 20,2026, 2:34pm

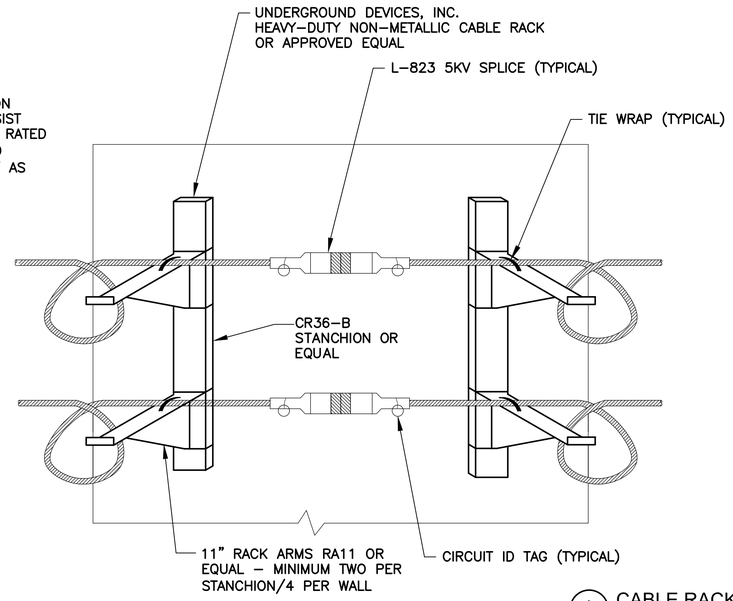


960 TYP 4'x4'x4' HANDHOLE DETAIL
NTS

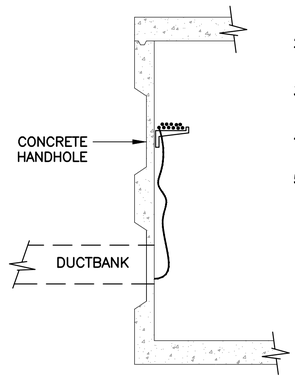
(AIRCRAFT LOAD RATED – SEE SPEC. L-115)

HANDHOLE NOTES:

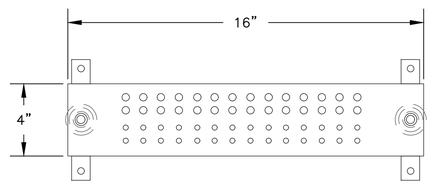
1. ALL STEEL, OTHER THAN REBAR, TO BE HOT DIPPED GALVANIZED AFTER FABRICATION.
2. PROVIDE ALL HANDHOLES WITH CABLE RACKS AND PULLING EYES PER SPECIFICATIONS.
3. PROVIDE CABLE ROUTING ID TAGS AT EACH HANDHOLE.
4. PROVIDE GROUND ROD FOR EACH HANDHOLE PER SPECIFICATIONS.
5. GROUT ALL CONDUIT PENETRATIONS.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



A CABLE RACKING DETAIL
NTS

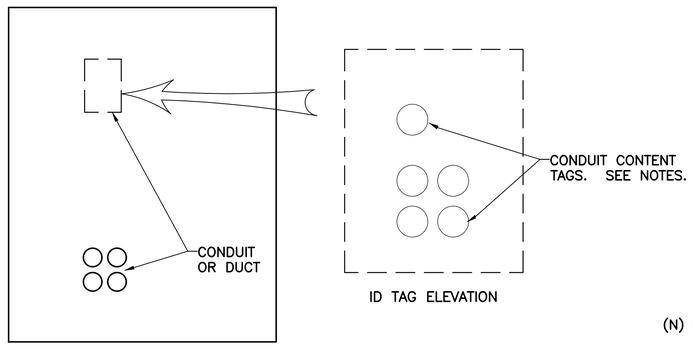


1. PROVIDE NON-METALLIC, NON-CONDUCTIVE, RACK ARMS, BOLTED TO CHANNELS INSET IN HANDHOLE WALLS. PROVIDE MIN. (2) ARMS FOR EVERY WALL.
2. CABLE RACKING SHALL BE LIMITED TO THE UPPER HALF OF THE HANDHOLE.
3. PROVIDE 2 CIRCUIT TAGS FOR EVERY L-823 CABLE SPLICE IN HH WITHIN 24" OF SPLICE.
4. PROVIDE A MIN.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



D GROUNDING BUSBAR
NTS

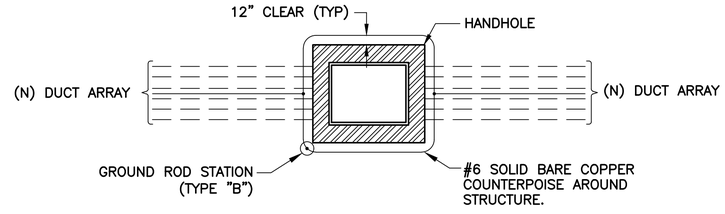
NOTE:
HUBBELL HBBB14416H OR APPROVED EQUAL. BOND INTERNAL CIRCUIT GROUNDING CONDUCTORS AS REQUIRED.



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

PRIME CONSULTANT
TRACE CONSULTING
101 E. Jefferson St. | Suite 3 | Phoenix, AZ 85004

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 04/27/2026
Dwg scale: NTS

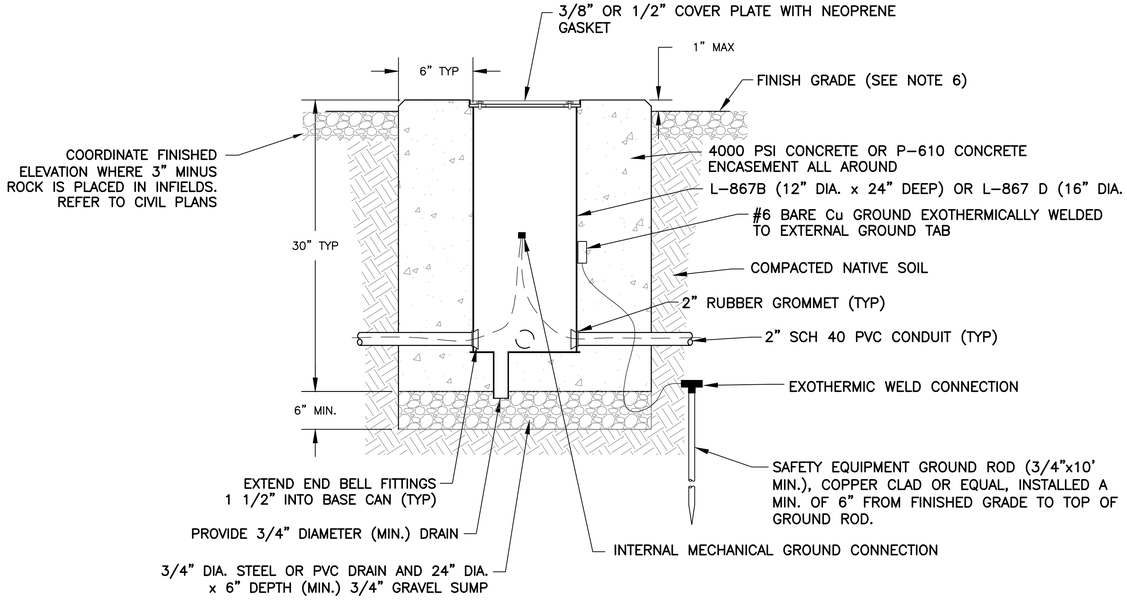
ADOT GRANT NUMBER(S):
XXX

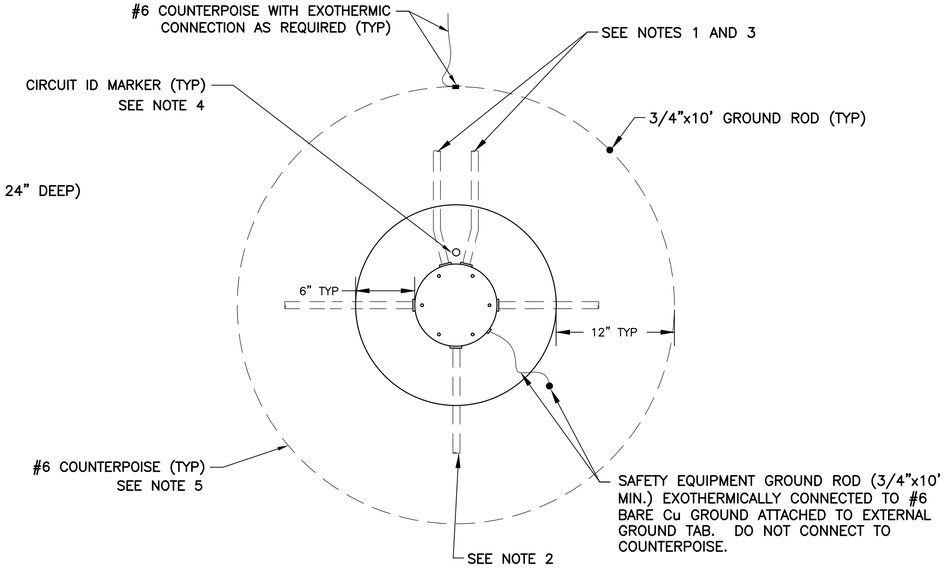
SHEET OVERVIEW TITLE
ELECTRICAL DETAILS - 4'x4'x4' HANDHOLE

SHEET REFERENCE NUMBER:
EA-503

SHEET 65 OF 76

Q:\PROJECTS\22000\22002 DVT Txy C Connectors C4-C10\CAD\CAD SHEETS\22002_EA-503-4'x4'x4' HANDHOLE-GMP2.dwg - Apr 15,2026 1:48pm

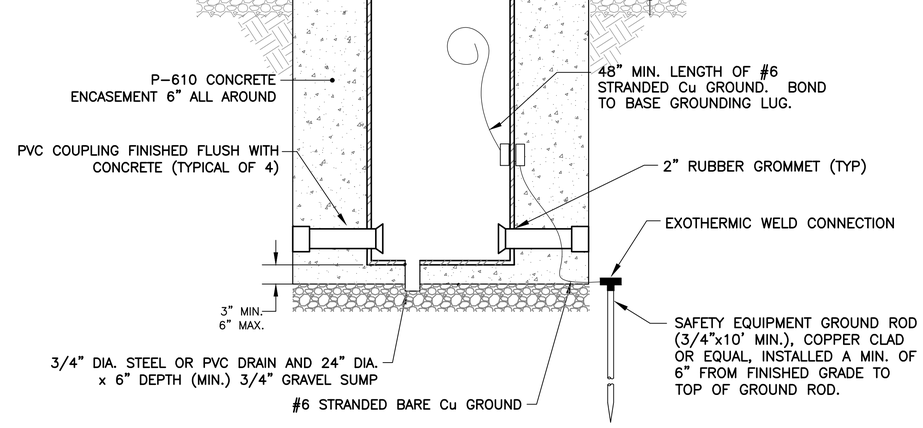




821 TYP L-867B JUNCTION CAN DETAIL
NTS

NOTES:

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



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

NOTES:

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

GENERAL NOTES:

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

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.creng.com

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10
AV31000096 FAA/ADOT

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 04/27/2026
Dwg scale: NTS

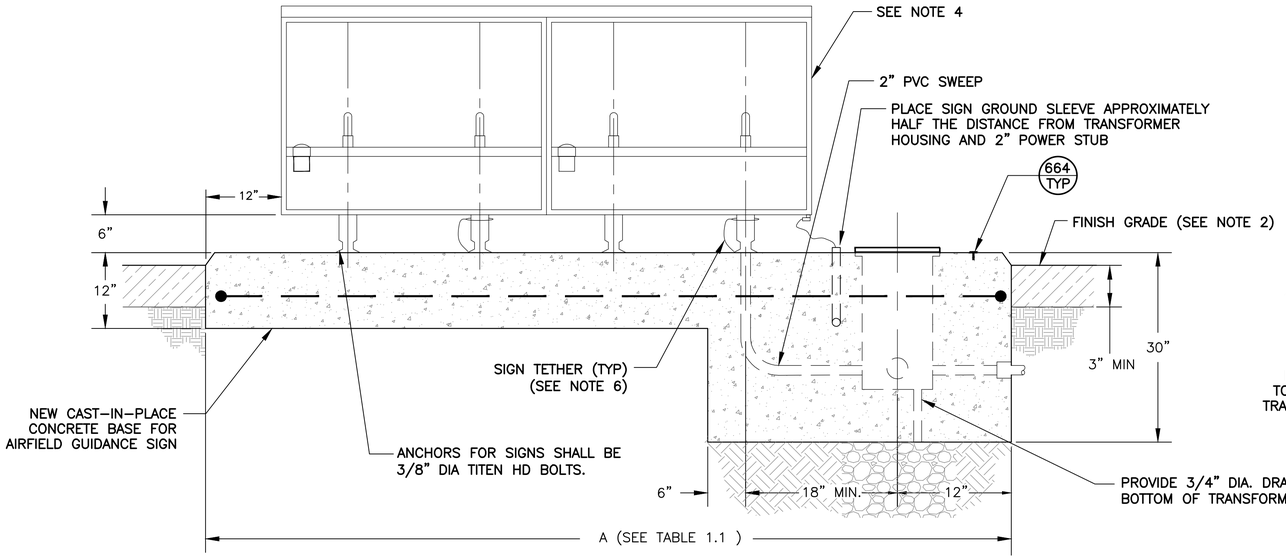
ADOT GRANT NUMBER(S): XXX

SHEET OVERVIEW TITLE
ELECTRICAL DETAILS - JUNCTION CAN

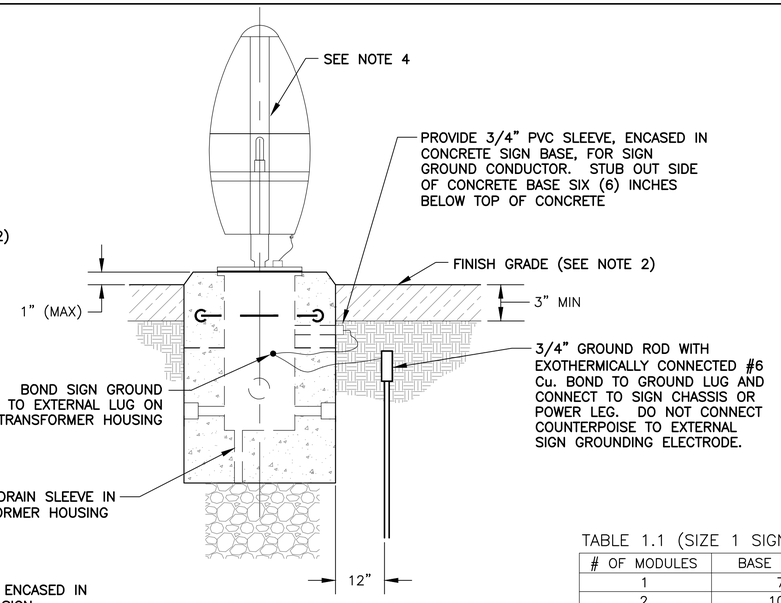
SHEET REFERENCE NUMBER:
EA-504

SHEET 66 OF 76

Q:\PROJECTS\22000\22002 DVT Twy C Connectors C4-C10\CAD\CAD SHEETS\GMP 2 SHEETS\22002_EA-504-JUNCTION CAN-GMP2.dwg — Apr 14,2026 10:57am



SIDE VIEW

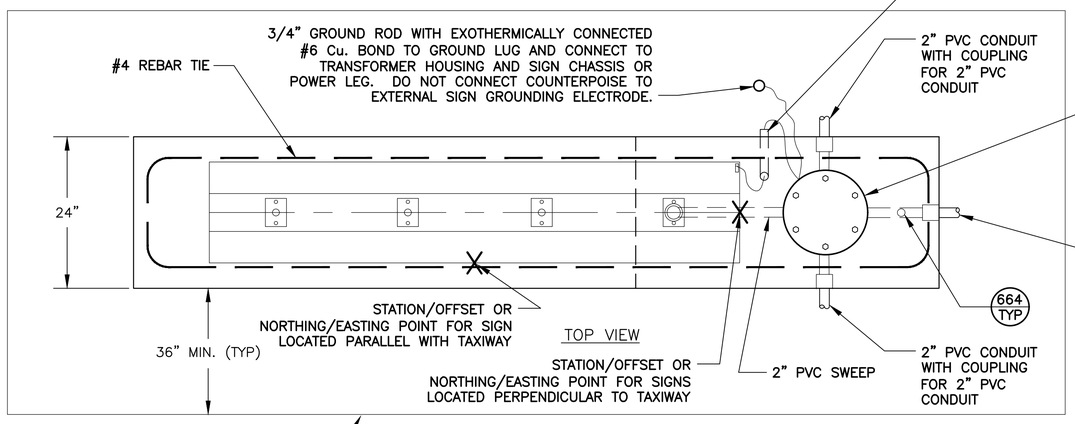


FRONT VIEW (CAN SIDE)

TABLE 1.1 (SIZE 1 SIGNS):

# OF MODULES	BASE LENGTH (A)
1	72"
2	102"
3	132"
4	162"

*ALL LENGTHS SHOWN ARE MINIMUM



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

NTS

NOTES

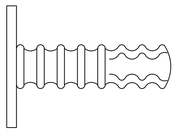
1. NEW CAST-IN-PLACE CONCRETE BASE SHOWN WITH A TWO MODULE SIGN FOR ILLUSTRATIVE PURPOSES ONLY. SEE TABLE 1.1 FOR ACTUAL LENGTH OF BASE NEEDED FOR MULTIPLE MODULE SIGNS.
2. BASE SHALL BE CONSTRUCTED LEVEL, 1" ABOVE FINISHED GRADE OF AREA WHERE BASE IS CONSTRUCTED.
3. TRANSFORMER HOUSING SHALL BE ORIENTED AT TAXIWAY EDGE PER COP/DVT STANDARDS.
4. SIGNS SHALL BE EQUIPPED WITH DISCONNECTING SWITCH AND WEATHERPROOF COVER ON INBOARD OF SIGN.
5. PROVIDE 36" MINIMUM ASPHALT MAINTENANCE/HOUSEKEEPING PAD AROUND EACH CONCRETE SIGN BASE IN UNPAVED AREAS – PER MAG SPEC 3" THICK ON COMPACTED BASE.
6. SIGN TETHER HARD ANCHOR POINTS MUST BE PROVIDED ON ONE SIGN MOUNTING LEG ABOVE THE FRANGIBLE BREAKING POINT. TETHER ANCHOR HARD POINTS MUST BE PROVIDED SO THAT ONE END OF THE TETHER ATTACHES TO THE SIGN STRUCTURE, AND THE OTHER END ATTACHES BELOW THE FRANGIBLE POINT ON THE COUPLING TO EITHER ONE OF THE LEG MOUNTING BOLTS OR AN INDEPENDENT BOLT IN THE SIGN CONCRETE MOUNTING PAD.

SIGN HEIGHTS AND LOCATION DISTANCES FOR TAXIWAY GUIDANCE SIGNS

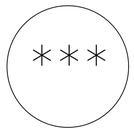
SIGN SIZE	LEGEND HEIGHT	LEGEND PANEL HEIGHT	INSTALLED* (MAX.)	PERPENDICULAR DISTANCE FROM DEFINED PAVMENT EDGE TO NEAR SIDE OF SIGN
1	12"	18"	30"	10' – 20'
2	15"	24"	36"	20' – 35'
3	18"	30"	42"	35' – 60'

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

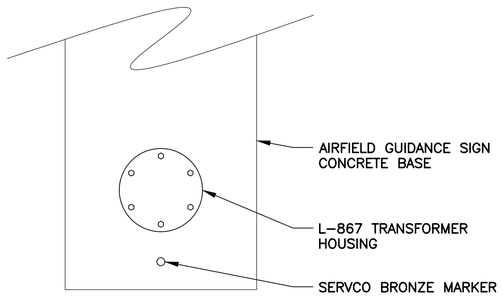
(SEE FAA ADVISORY CIRCULAR 150/5340-18G FOR FURTHER INFORMATION AND CLARIFICATION)



SERVCO BRONZE MARKER



***= CIRCUIT NAME



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.

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.creng.com

90% SUBMITTAL

PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT

CITY OF PHOENIX AVIATION DEPARTMENT

DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by:	SW
Drawn by:	JBW
Checked by:	CA
Date:	04/27/2026
Dwg scale:	NTS

ADOT GRANT NUMBER(S): XXX

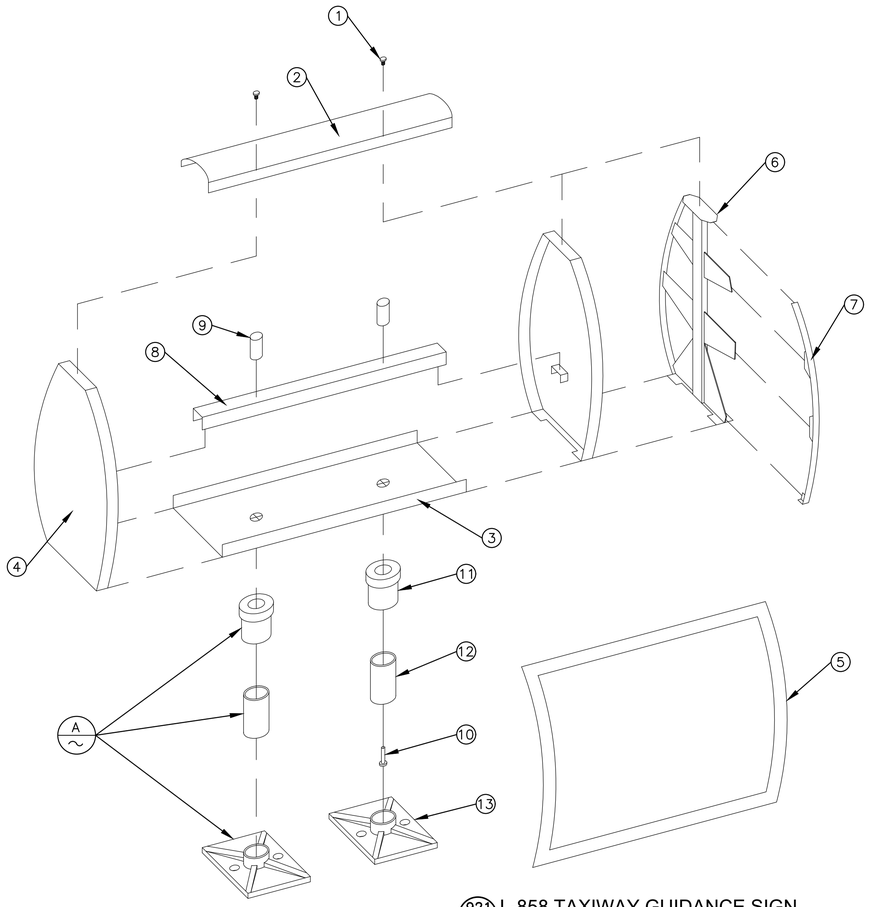
SHEET OVERVIEW TITLE

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

SHEET REFERENCE NUMBER: EA-505

SHEET 67 OF 76

Q:\PROJECTS\22000\22002 DVT Twy C Connectors C4-C10\CAD\CAD SHEETS\GMP 2 SHEETS\22002_EA-505_CAST-IN-PLACE CONCRETE BASE FOR AIRFIELD GUIDANCE SIGN-GMP2.dwg — Apr 20,2026 1:15pm

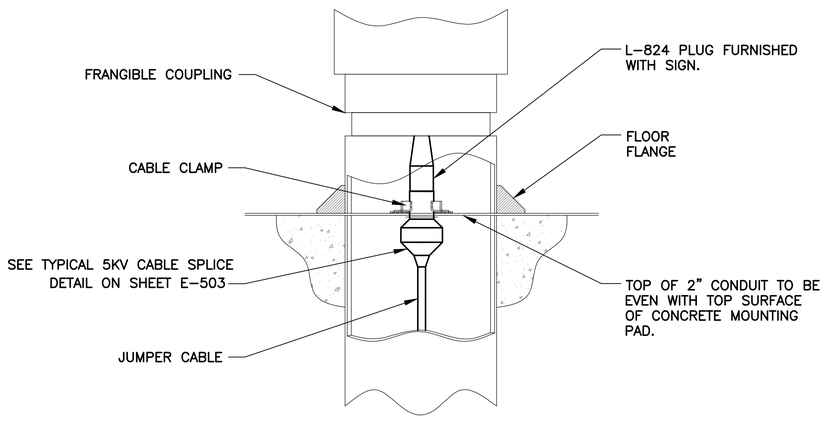


1. TURN FASTENERS
2. TOP COVER (SEE NOTE 4)
3. BASE (SIGN BOTTOM)
4. END PANEL (SEE NOTE 3)
5. LEGEND PANEL
6. SUPPORT JUNCTION
7. FACE INSERT PANEL JOINT
8. LAMP MOUNTING BAR
9. LAMP SOCKET
10. FAA L-823 PLUG
11. SLIP FLANGE
12. FRANGIBLE COUPLING (6" LENGTH)
13. FLOOR FLANGE

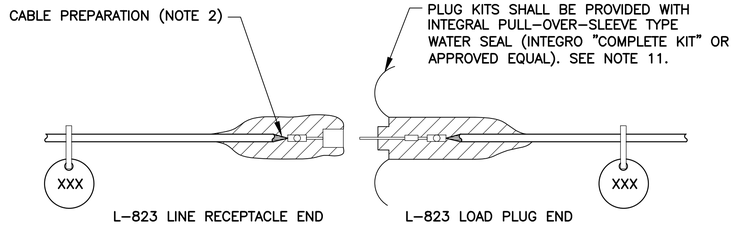
NOTES:

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

921 TYP L-858 TAXIWAY GUIDANCE SIGN
NTS



A TYP POWER/SUPPORT LEG
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 SCOTCH 33+ VINYL ELECTRICAL TAPE ON CONNECTION AFTER PULLING SLEEVE OVER COMPLETE KIT.
6. THERE SHALL BE NO SPLICES BETWEEN LIGHTS, ONLY IN BASES OR HANDHOLES.
7. PROVIDE AND INSTALL NON-CONDUCTIVE CIRCUIT IDENTIFICATION TAGS ATTACHED TO EACH SIDE OF ALL CONNECTOR KITS.
8. ON THE CABLES FOR THE RUNWAY CIRCUIT, TAPE FROM THE BACK END OF THE CONNECTOR KIT ONTO CABLE FOR 3" EACH, RED PHASE TAPE FOR FASTER IDENTIFICATION AND MATCH EXISTING MANHOLE LAYOUTS.
9. ON THE CABLES FOR THE TAXIWAY AND SIGNAGE CIRCUITS, TAPE FROM THE BACK END OF THE CONNECTOR KIT ONTO CABLE FOR 3" EACH, BLUE THEN WHITE PHASE TAPE FOR SIGNS, BLUE ONLY PHASE TAPE FOR TAXIWAY EDGE LIGHTS, FOR FASTER IDENTIFICATION AND MATCH EXISTING MANHOLE LAYOUTS.
10. PRIMARY CONNECTOR KITS TYPES SHOWN ARE PER COP AIRFIELD MAINTENANCE STANDARDS.
11. IF AMERACE "SUPER" KITS ARE USED, COP REQUIRES REMOVAL OF ALL SLIP FIT PLASTIC SLEEVES USED TO SEAL KIT ENDS TO CABLE FROM THE L-824 CABLE.

925 TYP TYPICAL 5KV CABLE SPLICE
NTS

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

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

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT
CITY OF PHOENIX AVIATION DEPARTMENT

DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by:	SW
Drawn by:	JBW
Checked by:	CA
Date:	04/27/2026
Dwg scale:	NTS

ADOT GRANT NUMBER(S): XXX

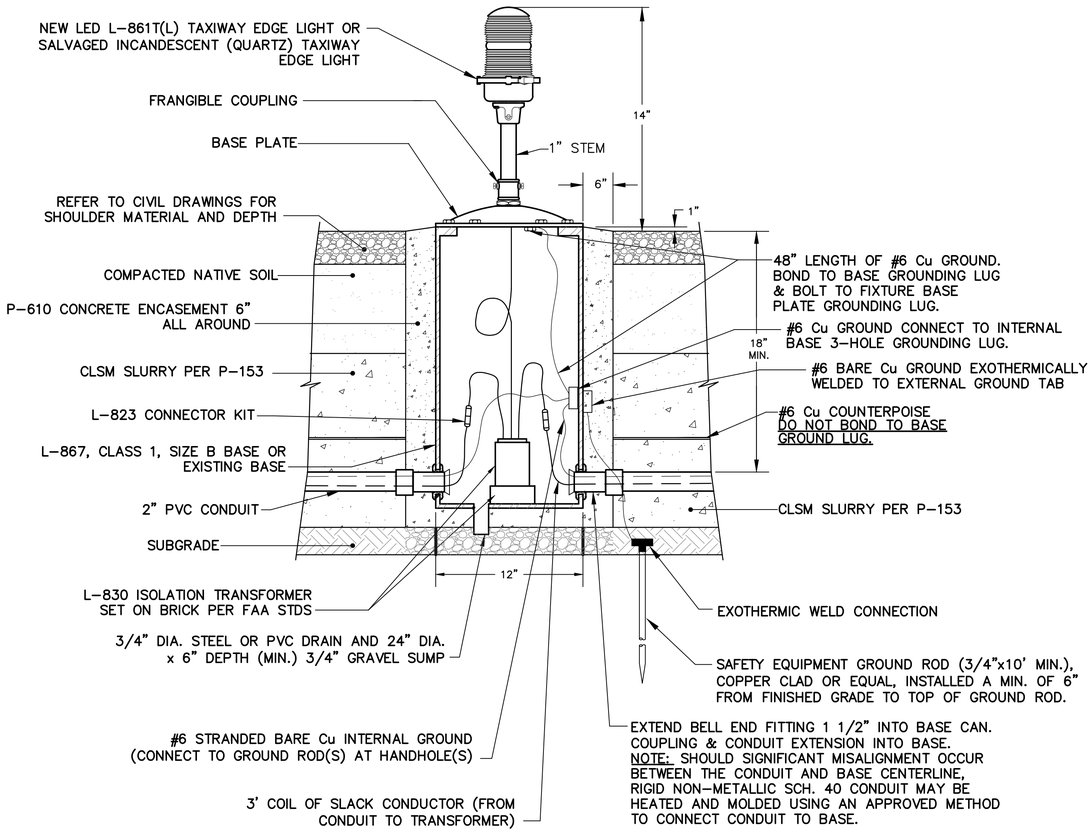
SHEET OVERVIEW TITLE

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

SHEET REFERENCE NUMBER:
EA-506

SHEET 68 OF 76

Q:\PROJECTS\220000\22002_DVT Txy C Connectors C4-C10\CAD\CAD SHEETS\GMP 2 SHEETS\ 22002_EA-506-L-858 SIGN AND 5KV CABLE SPLICE-GMP2.dwg — Apr 15,2026 - 1:51pm



891 TYP ELEVATED TAXIWAY EDGE LIGHT DETAIL

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

90% SUBMITTAL

PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10
AV31000096 FAA/ADOT

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 04/27/2026
Dwg scale: NTS

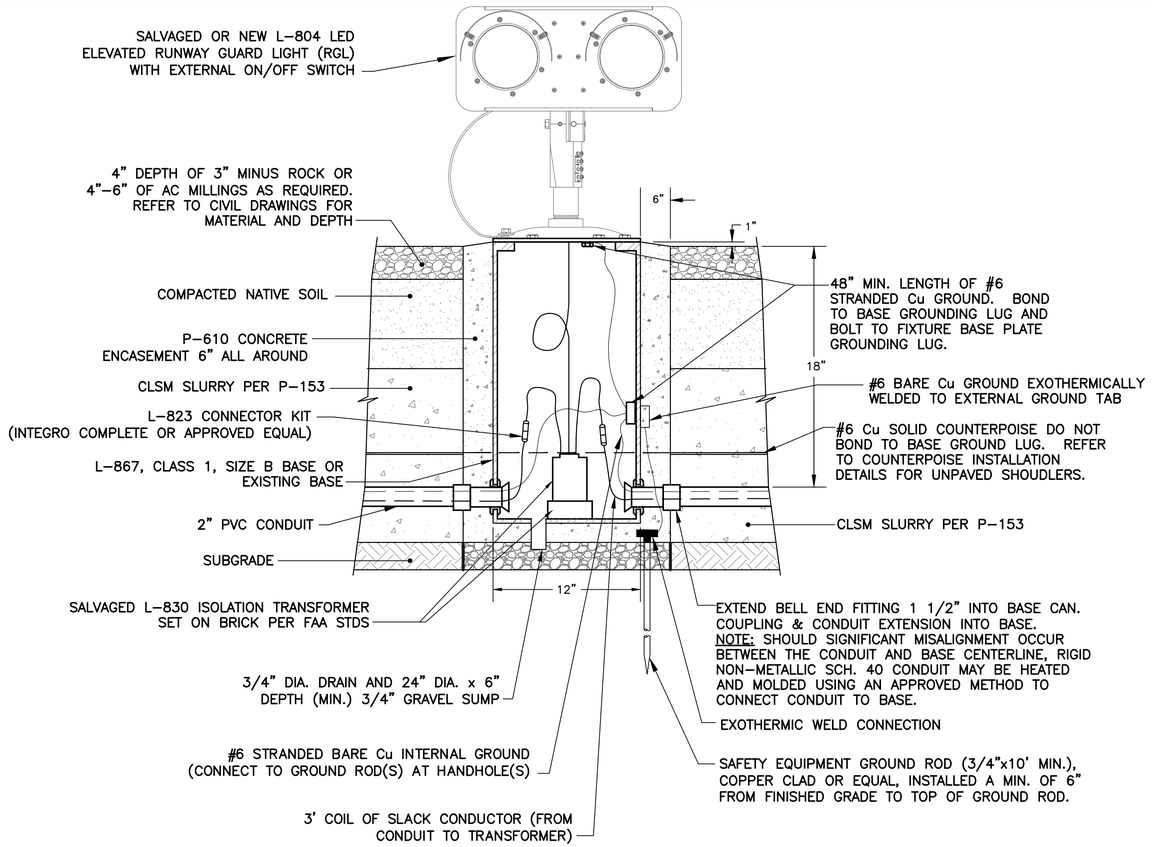
ADOT GRANT NUMBER(S):
XXX

SHEET OVERVIEW TITLE
ELECTRICAL DETAILS -
ELEVATED TAXIWAY EDGE LIGHT

SHEET REFERENCE NUMBER:
EA-507

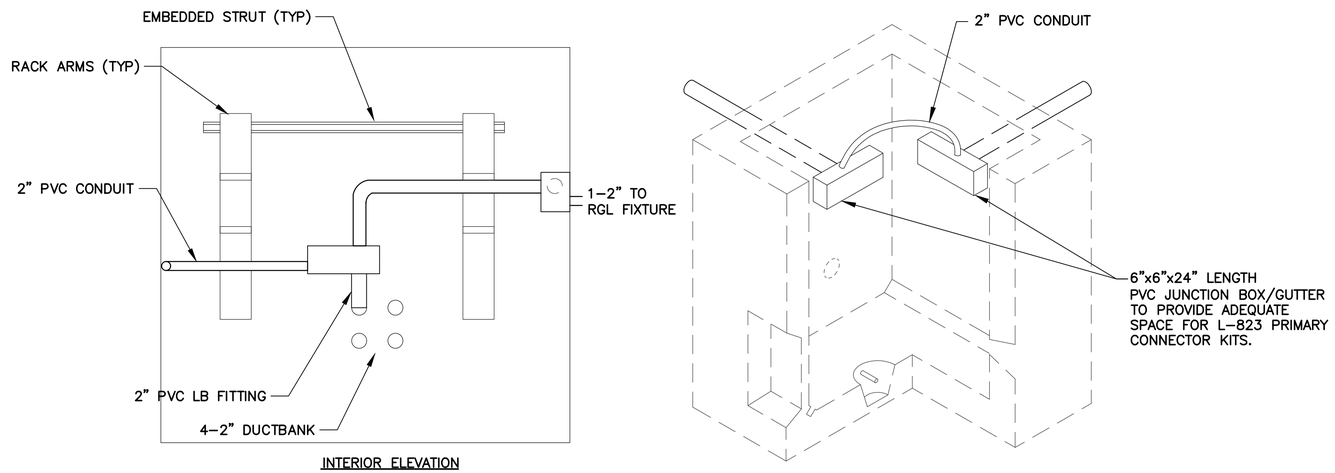
SHEET 69 OF 76

G:\PROJECTS\22000\22002 DVT Twy C Connectors C4-C10\CAD\CAD SHEETS\GMP 2 SHEETS\22002_EA-507_ELEVATED TAXIWAY EDGE LIGHT-GMP2.dwg - Apr 14,2026 11:10am



870 TYP ELEVATED RUNWAY GUARD LIGHT DETAIL

NTS

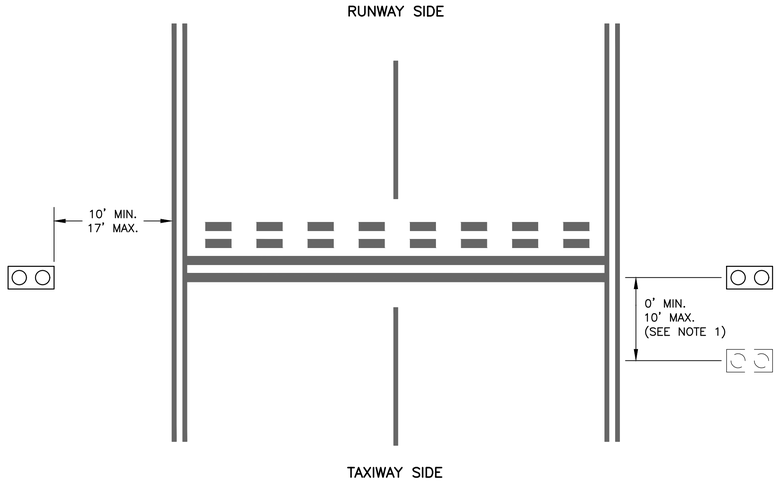


571 TYP RGL CIRCUIT ISOLATION SYSTEM DETAIL

NTS

NOTES:

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

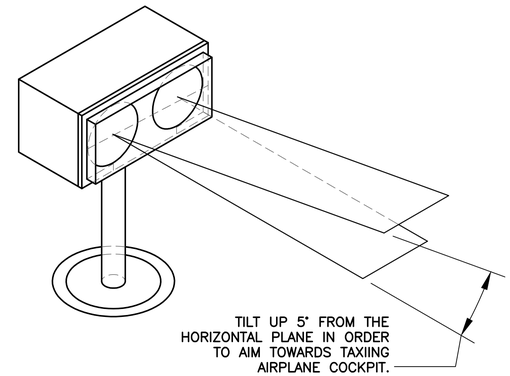


876 TYP RUNWAY GUARD LIGHT CONFIGURATION

NTS

NOTES:

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



871 TYP ELEVATED RUNWAY GUARD LIGHT AIMING DETAIL

NTS

NOTES:

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

PRIME CONSULTANT: TRACE CONSULTING, 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.creng.com

90% SUBMITTAL

PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR

CITY OF PHOENIX AVIATION DEPARTMENT

DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 04/27/2026
Dwg scale: NTS

ADOT GRANT NUMBER(S): XXX

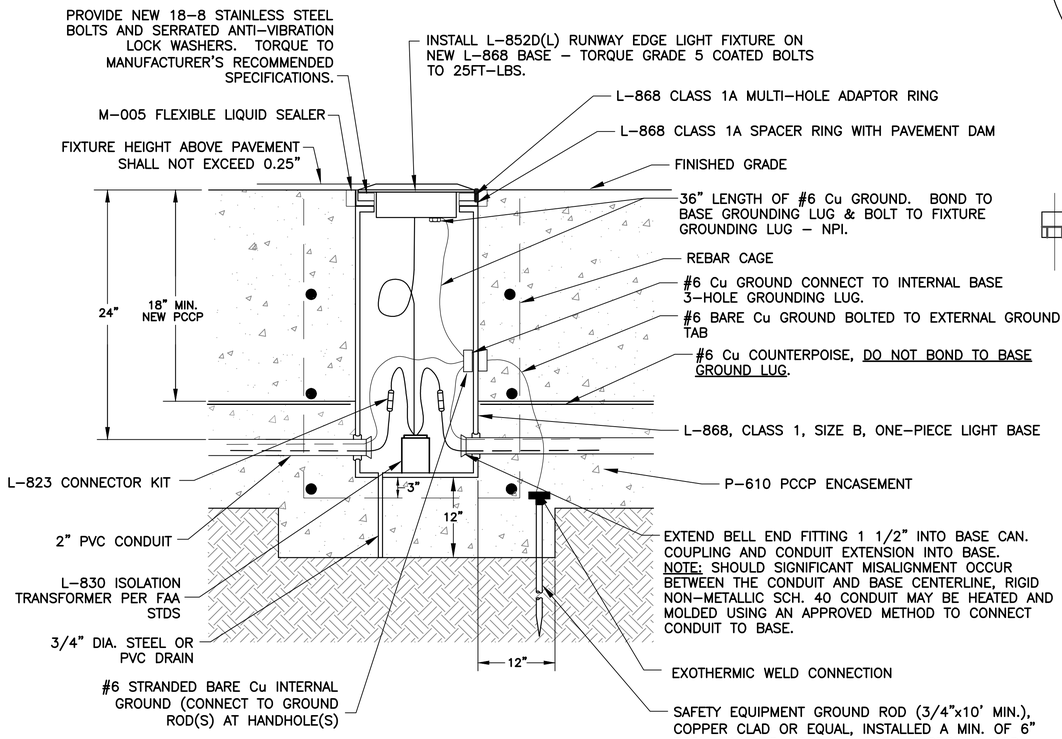
SHEET OVERVIEW TITLE

ELECTRICAL DETAILS - RUNWAY GUARD LIGHT

SHEET REFERENCE NUMBER: EA-508

SHEET 70 OF 76

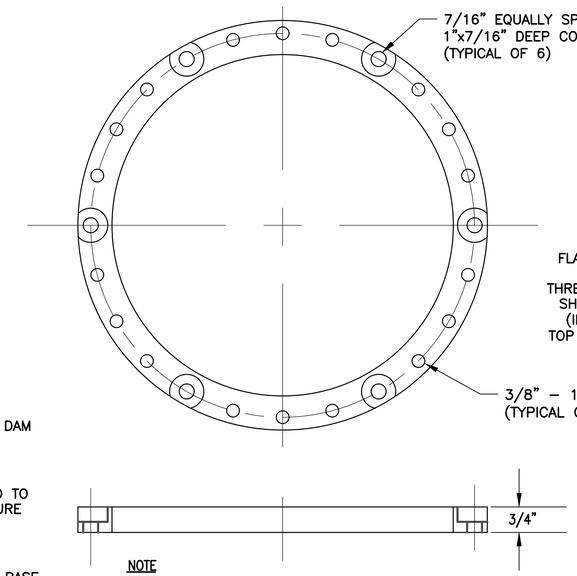
D:\PROJECTS\22000\22002 PVT Twy C Connectors C4-C10\CAD\CAD SHEETS\GMP 2 SHEETS\ 22002 EA-508-RUNWAY GUARD LIGHT-GMP2.dwg — Apr 20,2026 2:36pm



200 TYP IN-PAVEMENT LIGHT FIXTURE INSTALLATION DETAIL

NOTES

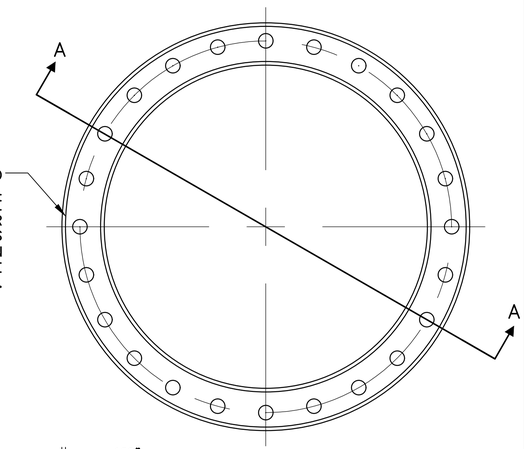
1. THE BASIC EQUIPMENT TO BE USED ON ALL BASE CANS INSTALLED IN FULL STRENGTH CONCRETE IS: (1) 1 1/2" SPACE WRING WITH PAVEMENT DAM AND (1) 3/4" MULTI–HOLE ADAPTOR RING ON TOP OF THE L–868 BASE CAN.
2. IF REQUIRED, PROVIDE ADEQUATE SPACER RINGS (MAX. 3/8" THICKNESS, MIN. 1/16" THICKNESS) TO ALLOW FOR ADJUSTMENT UP OR DOWN TO MEET FINAL GRADE REQUIREMENTS. CONTRACTOR SHALL USE TWO (2) BUT NOT MORE THAN THREE (3) SPACE RINGS UNDER EACH 1 1/2" SPACER RING WITH PAVEMENT DAM.

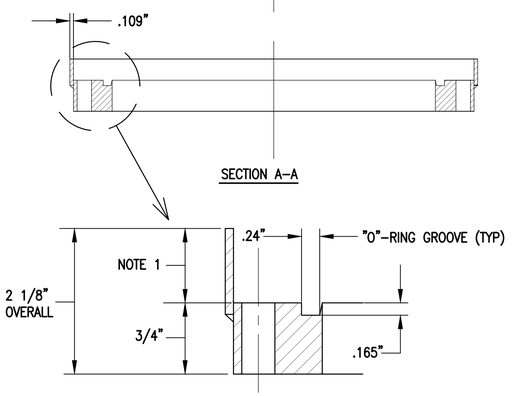


NOTE

1. JAQUITH INDUSTRIES, INC. TYPE AA5423MEM OR EQUAL.

A MULTI-HOLE ADAPTER

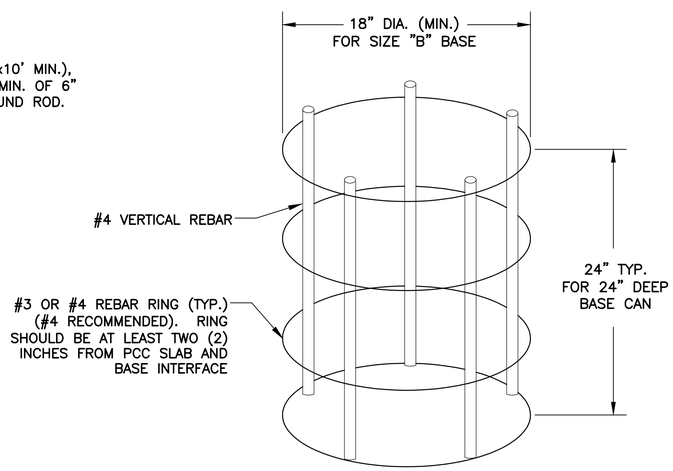




NOTE

1. 1–3/8" TALL PAVEMENT DAM FOR IN–PAVEMENT FIXTURES OR BLANK COVER INSTALLED ON TOP OF 3/4" THICK MULTI–HOLE ADAPTER RING.

B FLANGE RING WITH PAVEMENT DAM



C LIGHT BASE REBAR CAGE DETAIL

NOTE

1. PROVIDE THREE (3) INCH MINIMUM CONCRETE COVER FOR REBAR.

PRIME CONSULTANT: TRACE CONSULTING, 101 E. Jefferson St. | Suite 3 | Phoenix, AZ 85004

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

90% SUBMITTAL — PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 04/27/2026
Dwg scale: NTS

ADOT GRANT NUMBER(S): XXX

SHEET OVERVIEW TITLE

ELECTRICAL DETAILS - IN-PAVEMENT RUNWAY EDGE LIGHT

SHEET REFERENCE NUMBER: EA-509

SHEET 71 OF 76

D:\PROJECTS\220000\220002_DVT Txy C Connectors C4-C10\CAD\CAD SHEETS\GMP 2 SHEETS\ 22002_EA-509-IN-PAVEMENT RUNWAY EDGE LIGHT-GMP2.dwg — Apr 14,2026 10:49am

SIGN NUMBER	SIGN WITH FACE DESIGNATIONS	FACE A MESSAGE	FACE B MESSAGE	FACE A COLOR	FACE B COLOR	SIZE	STYLE	CLASS	SHEET NUMBER	SCOPE OF WORK
SGN–1	A / B: C4 →	BLANK | BLANK	C4 | →	B | B	B/Y | B/Y	1	2	2	EA–101	NEW L–858(L), SIZE 1, 2–MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.
SGN–2	A / B: ← C4 | C	BLANK | BLANK | BLANK	← | C4 | C	B | B | B	B/Y | B/Y | Y/B	1	2	2	EA–101	NEW L–858(L), SIZE 1, 3–MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.
SGN–3	A / B: C4 | 7R - 25L	BLANK | BLANK | BLANK | BLANK	C4 | 7R | –2 | 5L	B | B | B | B	Y/B | W/R | W/R | W/R	1	2	2	EA–101	NEW L–858(L), SIZE 1, 4–MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.
SGN–4	A / B: C | C4 →	BLANK | BLANK | BLANK	C | C4 | →	B | B | B	Y/B | B/Y | B/Y	1	2	2	EA–101	NEW L–858(L), SIZE 1, 3–MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.
SGN–5	A / B: C4 | ← C →	BLANK | BLANK | BLANK	C4 | ← C | →	B | B | B	Y/B | B/Y | B/Y	1	2	2	EA–101	NEW L–858(L), SIZE 1, 3–MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.
SGN–6	A / B: C | D5 →	EXISTING	C | D5 | →	EXISTING	Y/B | B/Y | B/Y	EXISTING			EA–101	INSTALL SALVAGED EXISTING SIZE 1, 3–MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD. INSTALL NEW SIGN PANELS AS SHOWN.
SGN–7	A / B: ←7R | 25L→	EXISTING	← | 7R | 25 | L →	EXISTING	B/Y | B/Y | B/Y | B/Y	EXISTING			EA–101	INSTALL SALVAGED EXISTING SIZE 1, 4–MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD. INSTALL NEW SIGN PANELS AS SHOWN.
SGN–8	A / B: ← C4	BLANK | BLANK	← | C4	B | B	B/Y | B/Y	1	2	2	EA–101	NEW L–858(L), SIZE 1, 2–MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.
SGN–9	A / B: ↖ C5 | C	EXISTING	↖ | C5 | C	EXISTING	B/Y | B/Y | Y/B	EXISTING			EA–102	INSTALL SALVAGED EXISTING SIZE 1, 3–MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD. INSTALL NEW SIGN PANELS AS SHOWN.
SGN–10	A / B: C5 | 7R - 25L	EXISTING	C5 | 7R | –2 | 5L	EXISTING	Y/B | W/R | W/R | W/R	EXISTING			EA–102	INSTALL SALVAGED EXISTING SIZE 1, 4–MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD. INSTALL NEW SIGN PANELS AS SHOWN.
SGN–11	A / B: C | C5 ↘	EXISTING	C | C5 | ↘	EXISTING	Y/B | B/Y | B/Y	EXISTING			EA–102	INSTALL NEW SIGN PANELS IN EXISTING SIGN AS SHOWN.
SGN–12	A / B: C5 | ← C →	EXISTING	C5 | ← C | →	EXISTING	Y/B | B/Y | B/Y	EXISTING			EA–102	INSTALL SALVAGED EXISTING SIZE 1, 3–MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD. INSTALL NEW SIGN PANELS AS SHOWN.
SGN–13	A / B: ↖ C5	BLANK | BLANK	↖ | C5	B | B	B/Y | B/Y	1	2	2	EA–102	NEW L–858(L), SIZE 1, 2–MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.
SGN–14	A / B: ↙ C6 | C	BLANK | BLANK | BLANK	↙ | C6 | C	B | B | B	B/Y | B/Y | Y/B	1	2	2	EA–103	NEW L–858(L), SIZE 1, 3–MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.
SGN–15	A / B: C6 | 7R - 25L	BLANK | BLANK | BLANK | BLANK	C6 | 7R | –2 | 5L	B | B | B | B	Y/B | W/R | W/R | W/R	1	2	2	EA–103	NEW L–858(L), SIZE 1, 4–MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.

NOTES

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

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

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

90% SUBMITTAL

PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR

CITY OF PHOENIX AVIATION DEPARTMENT

DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 04/27/2026
Dwg scale: NTS

ADOT GRANT NUMBER(S): XXX

SHEET OVERVIEW TITLE

AIRFIELD GUIDANCE SIGN SCHEDULE

SHEET REFERENCE NUMBER:
EA-601

Q:\PROJECTS\22000\22002 DVT Tax C Connectors C4-C10\CAD\CAD SHEETS\GMP 2 SHEETS\ 22002_EA-601 SIGN SCHEDULE-GMP2.dwg – Apr 20,2026 2:40pm

SIGN NUMBER	SIGN WITH FACE DESIGNATIONS	FACE A MESSAGE	FACE B MESSAGE	FACE A COLOR	FACE B COLOR	SIZE	STYLE	CLASS	SHEET NUMBER	SCOPE OF WORK
SGN–16	A B C6 ↗	BLANK | BLANK	C6 | ↗	B | B	B/Y | B/Y	1	2	2	EA–103	NEW L–858(L), SIZE 1, 2–MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.
SGN–17	A ↖ C ↘ 9C B 7R - 25L C6	BLANK | C6 | ↖ C | ↘	7R | –2 | 5L | C6	B | Y/B | B/Y | B/Y	W/R | W/R | W/R | Y/B	1	2	2	EA–103	NEW L–858(L), SIZE 1, 4–MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.
SGN–18	A B C C6 ↗	BLANK | BLANK | BLANK	C | C6 | ↗	B | B | B	Y/B | B/Y | B/Y	1	2	2	EA–103	NEW L–858(L), SIZE 1, 3–MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.
SGN–19	A B ↖ C8 C	EXISTING	↖ | C8 | C	EXISTING	B/Y | B/Y | Y/B	EXISTING			EA–104	INSTALL SALVAGED EXISTING SIZE 1, 3–MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD. INSTALL NEW SIGN PANELS AS SHOWN.
SGN–20	A B C8 7R - 25L	EXISTING	C8 | 7R | –2 | 5L	EXISTING	Y/B | W/R | W/R | W/R	EXISTING			EA–105	INSTALL SALVAGED EXISTING SIZE 1, 4–MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD. INSTALL NEW SIGN PANELS AS SHOWN.
SGN–21	A B C C8 ↘	BLANK | BLANK | BLANK	C | C8 | ↘	B | B | B	Y/B | B/Y | B/Y	1	2	2	EA–105	NEW L–858(L), SIZE 1, 3–MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.
SGN–22	A B C8 ← C →	BLANK | BLANK | BLANK	C8 | ← C | →	B | B | B	Y/B | B/Y | B/Y	1	2	2	EA–105	NEW L–858(L), SIZE 1, 3–MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.
SGN–23	A 6C B ↖ C8	C9 | ↗	↖ | C8	B/Y | B/Y	B/Y | B/Y	1	2	2	EA–105	NEW L–858(L), SIZE 1, 2–MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.
SGN–24	A B ↙ C9 C	BLANK | BLANK | BLANK	↙ | C9 | C	B | B | B	B/Y | B/Y | Y/B	1	2	2	EA–105	NEW L–858(L), SIZE 1, 3–MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.
SGN–25	A B C9 7R - 25L	EXISTING	C9 | 7R | –2 | 5L	EXISTING	Y/B | W/R | W/R | W/R	EXISTING			EA–105	INSTALL SALVAGED EXISTING SIZE 1, 4–MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD. INSTALL NEW SIGN PANELS AS SHOWN.
SGN–26	A ↖ C ↘ 6C B 7R - 25L C9	BLANK | C9 | ↖ C | ↘	7R | –2 | 5L | C9	B | Y/B | B/Y | B/Y	W/R | W/R | W/R | Y/B	1	2	2	EA–106	NEW L–858(L), SIZE 1, 4–MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.
SGN–27	A B C C9 ↗	BLANK | BLANK | BLANK	C | C9 | ↗	B | B | B	Y/B | B/Y | B/Y	1	2	2	EA–106	NEW L–858(L), SIZE 1, 3–MODULE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH ASPHALT MAINTENANCE PAD.

NOTES

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

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

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

90% SUBMITTAL

PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10
AV31000096 FAA/ADOT

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 04/27/2026
Dwg scale: NTS

ADOT GRANT NUMBER(S): XXX

SHEET OVERVIEW TITLE
AIRFIELD GUIDANCE SIGN SCHEDULE

SHEET REFERENCE NUMBER:
EA-602

Q:\PROJECTS\220000\22002 DVT Tax C Connectors C4-C10\CAD\CAD SHEETS\GMP 2 SHEETS\ 22002 EA-601 SIGN SCHEDULE-GMP2.dwg – Apr 20,2026 2:41pm

NEW TAXIWAY EDGE LIGHT LOCATIONS

(SEE NOTES ON SHEET EA-604)

FIXTURE #	STATION	OFFSET	CIRCUIT	LAMP	TRANSFORMER	TYPE
TEL-1	223+31.49	34.94' LT	TAXIWAY C WEST	INCANDESCENT	30/45W	L-861T
TEL-2	223+70.49	45.16' LT	TAXIWAY C WEST	INCANDESCENT	30/45W	L-861T
TEL-3	402+55.37	55.37' LT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-4	402+74.87	50.27' LT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-5	402+94.37	45.16' LT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-6	403+13.87	40.05' LT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-7	403+33.37	34.94' LT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-8	403+50.00	34.14' LT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-9	403+66.63	34.94' LT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-10	403+90.03	41.07' LT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-11	404+13.43	47.20' LT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-12	404+36.83	53.33' LT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-13	404+36.80	53.32' RT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-14	404+13.41	47.20' RT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-15	403+90.02	41.07' RT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-16	403+66.63	34.94' RT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-17	403+50.00	34.14' RT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-18	403+33.37	34.94' RT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-19	403+13.87	40.05' RT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-20	402+94.37	45.16' RT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-21	402+74.87	50.27' RT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-22	402+55.37	55.37' RT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-23	225+59.23	45.16' LT	TAXIWAY C WEST	INCANDESCENT	30/45W	L-861T
TEL-24	225+98.23	34.94' LT	TAXIWAY C WEST	INCANDESCENT	30/45W	L-861T
TEL-25	226+34.54	33.19' LT	TAXIWAY C WEST	INCANDESCENT	30/45W	L-861T
TEL-26	226+70.84	31.44' LT	TAXIWAY C WEST	INCANDESCENT	30/45W	L-861T
TEL-27	227+07.15	29.68' LT	TAXIWAY C WEST	INCANDESCENT	30/45W	L-861T
TEL-28	228+01.08	33.75' LT	TAXIWAY C WEST	INCANDESCENT	30/45W	L-861T
TEL-29	228+62.83	38.49' LT	TAXIWAY C WEST	INCANDESCENT	30/45W	L-861T
TEL-30	500+94.14	43.79' LT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-31	501+18.90	41.87' LT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-32	501+43.92	39.94' LT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-33	501+68.94	38.02' LT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-34	501+93.97	36.10' LT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-35	502+18.99	34.18' LT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-36	502+44.01	32.26' LT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-37	502+69.03	30.34' LT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-38	502+94.06	28.42' LT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-39	503+19.08	26.50' LT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-40	503+40.74	26.50' LT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-41	503+62.39	26.50' LT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-42	503+84.05	26.50' LT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-43	504+52.06	41.50' RT	TAXIWAY C WEST	LED	10/15W	L-861T(L)

- TEL-1, TEL-2, TEL-23 THROUGH TEL-29 ARE MEASURED FROM THE ALIGNMENT ON EXISTING TAXIWAY C
- TEL-3 THROUGH TEL-22 ARE MEASURED FROM THE ALIGNMENT ON NEW TAXIWAY C4
- TEL-30 THROUGH TEL-43 ARE MEASURED FROM THE ALIGNMENT ON NEW TAXIWAY C5

FIXTURE #	STATION	OFFSET	CIRCUIT	LAMP	TRANSFORMER	TYPE
TEL-44	504+30.85	39.87' RT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-45	504+09.63	38.24' RT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-46	503+88.41	36.61' RT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-47	503+67.20	34.98' RT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-48	503+45.98	33.36' RT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-49	503+22.83	37.51' RT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-50	502+99.69	41.67' RT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-51	502+76.54	45.82' RT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-52	502+58.07	54.24' RT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-53	502+45.90	70.49' RT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-54	502+43.02	90.58' RT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-55	502+50.12	109.59' RT	TAXIWAY C WEST	LED	10/15W	L-861T(L)
TEL-56	231+89.38	38.90' LT	TAXIWAY C WEST	INCANDESCENT	30/45W	L-861T
TEL-57	232+27.96	31.97' LT	TAXIWAY C WEST	INCANDESCENT	30/45W	L-861T
TEL-58	236+72.04	31.97' LT	TAXIWAY C WEST	INCANDESCENT	30/45W	L-861T
TEL-59	237+10.62	38.90' LT	TAXIWAY C WEST	INCANDESCENT	30/45W	L-861T
TEL-60	607+49.88	109.59' RT	TAXIWAY C EAST	LED	10/15W	L-861T(L)
TEL-61	607+56.98	90.58' RT	TAXIWAY C EAST	LED	10/15W	L-861T(L)
TEL-62	607+54.10	70.49' RT	TAXIWAY C EAST	LED	10/15W	L-861T(L)
TEL-63	607+41.93	54.24' RT	TAXIWAY C EAST	LED	10/15W	L-861T(L)
TEL-64	607+23.46	45.82' RT	TAXIWAY C EAST	LED	10/15W	L-861T(L)
TEL-65	607+00.31	41.67' RT	TAXIWAY C EAST	LED	10/15W	L-861T(L)
TEL-66	606+77.17	37.51' RT	TAXIWAY C EAST	LED	10/15W	L-861T(L)
TEL-67	606+54.02	33.36' RT	TAXIWAY C EAST	LED	10/15W	L-861T(L)
TEL-68	606+32.77	34.99' RT	TAXIWAY C EAST	LED	10/15W	L-861T(L)
TEL-69	606+11.53	36.62' RT	TAXIWAY C EAST	LED	10/15W	L-861T(L)
TEL-70	605+90.28	38.25' RT	TAXIWAY C EAST	LED	10/15W	L-861T(L)
TEL-71	605+69.04	39.88' RT	TAXIWAY C EAST	LED	10/15W	L-861T(L)
TEL-72	605+47.79	41.51' RT	TAXIWAY C EAST	LED	10/15W	L-861T(L)
TEL-73	606+15.90	26.50' LT	TAXIWAY C EAST	LED	10/15W	L-861T(L)
TEL-74	606+37.57	26.50' LT	TAXIWAY C EAST	LED	10/15W	L-861T(L)
TEL-75	606+59.25	26.50' LT	TAXIWAY C EAST	LED	10/15W	L-861T(L)
TEL-76	606+80.92	26.50' LT	TAXIWAY C EAST	LED	10/15W	L-861T(L)
TEL-77	607+03.44	28.23' LT	TAXIWAY C EAST	LED	10/15W	L-861T(L)
TEL-78	607+25.96	29.96' LT	TAXIWAY C EAST	LED	10/15W	L-861T(L)
TEL-79	607+48.48	31.69' LT	TAXIWAY C EAST	LED	10/15W	L-861T(L)
TEL-80	607+71.00	33.41' LT	TAXIWAY C EAST	LED	10/15W	L-861T(L)
TEL-81	607+93.52	35.14' LT	TAXIWAY C EAST	LED	10/15W	L-861T(L)
TEL-82	608+16.04	36.87' LT	TAXIWAY C EAST	LED	10/15W	L-861T(L)
TEL-83	608+38.56	38.60' LT	TAXIWAY C EAST	LED	10/15W	L-861T(L)
TEL-84	608+61.08	40.33' LT	TAXIWAY C EAST	LED	10/15W	L-861T(L)
TEL-85	608+83.61	42.06' LT	TAXIWAY C EAST	LED	10/15W	L-861T(L)
TEL-86	609+06.13	43.79' LT	TAXIWAY C EAST	LED	10/15W	L-861T(L)

- TEL-44 THROUGH TEL-55 ARE MEASURED FROM THE ALIGNMENT ON NEW TAXIWAY C5
- TEL-56 THROUGH TEL-59 ARE MEASURED FROM THE ALIGNMENT ON EXISTING TAXIWAY C
- TEL-60 THROUGH TEL-86 ARE MEASURED FROM THE ALIGNMENT ON NEW TAXIWAY C6

"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"

90% SUBMITTAL

PRELIMINARY NOT FOR CONSTRUCTION

NO	REVISIONS / SUBMISSIONS	DATE

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.creng.com

PHX DVT BYR

CITY OF PHOENIX AVIATION DEPARTMENT

DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

ADOT GRANT NUMBER(S):
XXX

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 04/27/2026
Dwg scale: NTS

SHEET OVERVIEW TITLE

EQUIPMENT DATA TABLES

SHEET REFERENCE NUMBER:
EA-603

Q:\PROJECTS\220000\22002 DVT Tax C Connectors C4-C10\CAD\CAD SHEETS\GMP 2 SHEETS\ 22002 EA-603 EQUIPMENT DATA TABLES-GMP2.dwg — Apr 16,2026 10:19am

NEW TAXIWAY EDGE LIGHT LOCATIONS CONTINUED...

FIXTURE #	STATION	OFFSET	CIRCUIT	LAMP	TRANSFORMER	TYPE
TEL–87	240+34.22	38.73' LT	TAXIWAY C EAST	INCANDESCENT	30/45W	L–861T
TEL–88	245+72.86	29.70' LT	TAXIWAY C EAST	INCANDESCENT	30/45W	L–861T
TEL–89	246+34.01	34.40' LT	TAXIWAY C EAST	INCANDESCENT	30/45W	L–861T
TEL–90	246+95.17	39.09' LT	TAXIWAY C EAST	INCANDESCENT	30/45W	L–861T
TEL–91	800+94.14	43.79' LT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–92	801+16.39	42.06' LT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–93	801+38.91	40.33' LT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–94	801+61.44	38.60' LT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–95	801+83.96	36.87' LT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–96	802+06.48	35.14' LT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–97	802+29.00	33.41' LT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–98	802+51.52	31.69' LT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–99	802+74.04	29.96' LT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–100	802+96.56	28.23' LT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–101	803+19.08	26.50' LT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–102	803+40.83	26.50' LT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–103	803+62.57	26.50' LT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–104	803+84.32	26.50' LT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–105	804+52.34	41.52' RT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–106	804+31.07	39.89' RT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–107	804+09.80	38.25' RT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–108	803+88.52	36.62' RT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–109	803+67.25	34.99' RT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–110	803+45.98	33.36' RT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–111	803+22.83	37.51' RT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–112	802+99.69	41.67' RT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–113	802+76.54	45.82' RT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–114	802+58.07	54.24' RT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–115	802+45.90	70.49' RT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–116	802+43.02	90.58' RT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–117	802+50.12	109.59' RT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–118	250+13.84	38.90' LT	TAXIWAY C EAST	INCANDESCENT	30/45W	L–861T
TEL–119	250+52.42	31.97' LT	TAXIWAY C EAST	INCANDESCENT	30/45W	L–861T
TEL–120	252+30.86	31.97' LT	TAXIWAY C EAST	INCANDESCENT	30/45W	L–861T
TEL–121	252+69.44	38.90' LT	TAXIWAY C EAST	INCANDESCENT	30/45W	L–861T
TEL–122	907+49.88	109.59' RT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–123	907+56.98	90.58' RT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–124	907+54.10	70.49' RT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–125	907+41.93	53.43' RT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–126	907+23.15	45.82' RT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–127	907+00.31	41.67' RT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–128	906+79.33	37.51' RT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–129	906+54.02	33.36' RT	TAXIWAY C EAST	LED	10/15W	L–861T(L)

- TEL–87 THROUGH TEL–90 ARE MEASURED FROM THE ALIGNMENT ON EXISTING TAXIWAY C
- TEL–91 THROUGH TEL–117 ARE MEASURED FROM THE ALIGNMENT ON NEW TAXIWAY C8
- TEL–118 THROUGH TEL–121 ARE MEASURED FROM THE ALIGNMENT ON EXISTING TAXIWAY C
- TEL–122 THROUGH TEL–129 ARE MEASURED FROM THE ALIGNMENT ON NEW TAXIWAY C9

FIXTURE #	STATION	OFFSET	CIRCUIT	LAMP	TRANSFORMER	TYPE
TEL–130	906+32.75	34.99' RT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–131	906+11.47	36.62' RT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–132	905+90.20	38.25' RT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–133	905+68.93	39.89' RT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–134	905+47.66	41.52' RT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–135	906+15.67	26.50' LT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–136	906+37.42	26.50' LT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–137	906+59.17	26.50' LT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–138	906+80.92	26.50' LT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–139	907+03.44	28.23' LT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–140	907+25.96	29.96' LT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–141	907+48.48	31.96' LT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–142	907+71.00	33.41' LT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–143	907+93.52	35.14' LT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–144	908+16.04	36.87' LT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–145	908+38.56	38.60' LT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–146	908+61.09	40.33' LT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–147	908+83.61	42.06' LT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–148	909+06.13	43.79' LT	TAXIWAY C EAST	LED	10/15W	L–861T(L)
TEL–149	255+50.32	41.99' LT	TAXIWAY C EAST	INCANDESCENT	30/45W	L–861T
TEL–150	256+01.07	38.10' LT	TAXIWAY C EAST	INCANDESCENT	30/45W	L–861T
TEL–151	254+87.72	30.05' RT	TAXIWAY C EAST	INCANDESCENT	30/45W	L–861T
TEL–152	253+66.58	30.15' RT	TAXIWAY C EAST	INCANDESCENT	30/45W	L–861T
TEL–153	253+08.02	30.10' RT	TAXIWAY C EAST	INCANDESCENT	30/45W	L–861T
TEL–154	252+30.86	30.13' RT	TAXIWAY C EAST	INCANDESCENT	30/45W	L–861T
TEL–155	250+52.42	30.23' RT	TAXIWAY C EAST	INCANDESCENT	30/45W	L–861T
TEL–156	248+31.68	29.87' RT	TAXIWAY C EAST	INCANDESCENT	30/45W	L–861T
TEL–157	239+67.81	30.10' RT	TAXIWAY C EAST	INCANDESCENT	30/45W	L–861T
TEL–158	238+19.82	30.07' RT	TAXIWAY C EAST	INCANDESCENT	30/45W	L–861T
TEL–159	223+90.48	30.16' RT	TAXIWAY C EAST	INCANDESCENT	30/45W	L–861T
TEL–160	223+31.49	30.26' RT	TAXIWAY C EAST	INCANDESCENT	30/45W	L–861T

- TEL–130 THROUGH TEL–148 ARE MEASURED FROM THE ALIGNMENT ON NEW TAXIWAY C9
- TEL–149 THROUGH TEL–160 ARE MEASURED FROM THE ALIGNMENT ON EXISTING TAXIWAY C

EQUIPMENT LOCATION STANDARDS TABLE

(PROVIDED FOR REFRENCE ONLY)

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

GENERAL NOTES

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

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

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

90% SUBMITTAL

PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BY
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10

AV31000096 FAA/ADOT

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 04/27/2026
Dwg scale: NTS

ADOT GRANT NUMBER(S): XXX

SHEET OVERVIEW TITLE

EQUIPMENT DATA TABLES

SHEET REFERENCE NUMBER:
EA-604

Q:\PROJECTS\220000\22002 DVT Tax C Connectors C4-C10\CAD\CAD SHEETS\GMP 2 SHEETS\ 22002 EA-604 EQUIPMENT DATA TABLES-GMP2.dwg – Apr 16,2026 10:21am

NEW AIRFIELD GUIDANCE SIGN LOCATIONS

SIGN	STATION	OFFSET
SGN–1	23+74.08	63.15' RT
SGN–2	223+68.75	53.40' LT
SGN–3	402+54.28	66.35' LT
SGN–4	225+28.31	34.37' RT
SGN–5	402+54.28	66.35' RT
SGN–6	225+75.93	49.48' LT
SGN–7	226+24.23	42.68' LT
SGN–8	25+54.13	63.14' RT
SGN–9	229+17.88	51.69' LT
SGN–10	501+46.95	48.69' LT
SGN–11	EXISTING	
SGN–12	502+47.57	100.42' RT
SGN–13	32+81.50	63.16' RT
SGN–14	237+33.42	51.84' LT
SGN–15	607+52.43	100.42' RT
SGN–16	36+26.24	63.16' RT
SGN–17	608+52.87	48.69' LT
SGN–18	239+82.96	35.65' RT
SGN–19	247+40.15	51.81' LT
SGN–20	801+46.95	48.69' LT
SGN–21	249+65.25	36.04' RT
SGN–22	802+47.57	100.42' RT
SGN–23	51+47.42	63.19' RT
SGN–24	252+95.16	52.38' LT
SGN–25	907+52.43	100.42' RT
SGN–26	908+53.05	48.69' LT
SGN–27	255+40.94	35.66' RT

- SGN–1, SGN–8, SGN–13, SGN–16, AND SGN–23 ARE MEASURED FROM THE ALIGNMENT ON EXISTING RW 7R–25L
- SGN–2, SGN–4, SGN–6, SGN–7, SGN–9, SGN–11, SGN–14, SGN–18, SGN–19, SGN–21, SNG–24, AND SGN–27 ARE MEASURED FROM THE ALIGNMENT ON EXISTING TAXIWAY C
- SGN–3 AND SGN–5 ARE MEASURED FROM THE ALIGNMENT ON NEW TAXIWAY C4
- SGN–10 AND SGN–12 ARE MEASURED FROM THE ALIGNMENT ON NEW TAXIWAY C5
- SGN–15 AND SGN–17 ARE MEASURED FROM THE ALIGNMENT ON NEW TAXIWAY C6
- SGN–20 AND SGN–22 ARE MEASURED FROM THE ALIGNMENT ON NEW TAXIWAY C8
- SGN–25 AND SGN–26 ARE MEASURED FROM THE ALIGNMENT ON NEW TAXIWAY C9

NEW HANDHOLE LOCATIONS

HH–X	STATION	OFFSET	SIZE
HH–1	402+67.51	72.89' LT	4'x4'x4'
HH–2	402+67.51	72.89' RT	4'x4'x4'
HH–3	501+73.74	48.39' LT	4'x4'x4'
HH–4	502+82.21	62.90' RT	4'x4'x4'
HH–5	607+19.49	129.67' RT	4'x4'x4'
HH–6	607+15.81	61.92' RT	4'x4'x4'
HH–7	608+18.34	47.66' LT	4'x4'x4'
HH–8	246+39.19	41.61' LT	4'x4'x4'
HH–9	801+86.20	47.26' LT	4'x4'x4'
HH–10	802+84.55	61.76' RT	4'x4'x4'
HH–11	907+18.31	63.15' RT	4'x4'x4'
HH–12	908+18.68	47.63' LT	4'x4'x4'
HH–13	606+81.59	92.63' RT	4'x4'x4'
HH–14	241+18.26	102.69' LT	4'x4'x4'

- HH–1 AND HH–2 ARE MEASURED FROM THE ALIGNMENT ON NEW TAXIWAY C4
- HH–3 AND HH–4 ARE MEASURED FROM THE ALIGNMENT ON NEW TAXIWAY C5
- HH–5, HH–6, HH–7 AND HH–13 ARE MEASURED FROM THE ALIGNMENT ON NEW TAXIWAY C6
- HH–8 AND HH–14 ARE MEASURED FROM THE ALIGNMENT ON EXISTING TAXIWAY C
- HH–9 AND HH–10 ARE MEASURED FROM THE ALIGNMENT ON NEW TAXIWAY C8
- HH–1 AND HH–12 ARE MEASURED FROM THE ALIGNMENT ON NEW TAXIWAY C9

NEW JUNCTION CAN LOCATIONS

JC–#	STATION	OFFSET	TYPE (SIZE)
JC–1	23+66.57	60.41' RT	L–867B (12" DIA)
JC–2	223+74.56	81.90' LT	L–867D (16" DIA)
JC–3	239+55.18	73.34' LT	L–867D (16" DIA)
JC–4	255+26.73	72.35' LT	L–867D (16" DIA)

- JC–1 IS MEASURED FROM THE ALIGNMENT ON EXISTING RW 7R–25L
- JC–2, JC–3, AND JC–4 ARE MEASURED FROM THE ALIGNMENT ON EXISTING TAXIWAY C

NEW RUNWAY LIGHT LOCATION

RW–#	STATION	OFFSET
RW–1	32+13.95	60.20' RT
RW–2	37+36.02	60.62' RT

- RW–1 AND RW–2 ARE MEASURED FROM THE ALIGNMENT ON EXISTING RW 7R–25L

NEW RUNWAY GUARD LIGHT LOCATIONS

RGL–#	STATION	OFFSET
RGL–1	402+54.28	60.35' LT
RGL–2	402+54.28	60.35' RT
RGL–3	501+46.95	44.69' LT
RGL–4	502+43.33	96.17' RT
RGL–5	607+56.67	96.17' RT
RGL–6	608+53.05	44.69' LT
RGL–7	801+46.95	44.69' LT
RGL–8	802+43.33	96.17' RT
RGL–9	907+56.67	96.17' RT
RGL–10	908+53.05	44.69' LT

- RGL–1 AND RGL–2 ARE MEASURED FROM THE ALIGNMENT ON NEW TAXIWAY C4
- RGL–3 AND RGL–4 ARE MEASURED FROM THE ALIGNMENT ON NEW TAXIWAY C5
- RGL–5 AND RGL–6 ARE MEASURED FROM THE ALIGNMENT ON NEW TAXIWAY C6
- RGL–7 AND RGL–8 ARE MEASURED FROM THE ALIGNMENT ON NEW TAXIWAY C8
- RGL–9 AND RGL–10 ARE MEASURED FROM THE ALIGNMENT ON NEW TAXIWAY C9

EQUIPMENT LOCATION STANDARDS TABLE

(PROVIDED FOR REFRENCE ONLY)

EQUIPMENT TYPE	FAA LOCATION STANDARD	NOTES
RUNWAY EDGE LIGHT	2'–10' (SEE GENERAL NOTE 4)	MEASURE TO CENTER OF LIGHT FIXTURE – STATION/OFFSET GIVEN IS CENTER OF LIGHT FIXTURE (SEE FAA AC 150/5340–30)
HANDHOLE		STATION/OFFSET GIVEN IS CENTER OF HANDHOLE LID
SIZE 1 AIRFIELD GUIDANCE SIGNS	10' – 20' (SEE NOTE 3)	MEASURE TO SIGN EDGE CLOSEST TO TAXIWAY/RUNWAY EDGE/OUTER TAXIWAY/RUNWAY EDGE MARKING (SEE FAA AC 1505340–18)
JUNCTION CAN		STATION/OFFSET GIVEN IS CENTER OF JUNCTION CAN LID
RUNWAY GUARD LIGHT (RGL)	10' – 17' (NEAR SIDE OF INSTALLED FIXTURE)	MEASURE FROM TAXIWAY EDGE/OUTER TAXIWAY EDGE MARKING. STATION/OFFSET GIVEN IS CENTER OF BASE CAN ON WHICH RGL FIXTURE IS MOUNTED. (SEE FAA AC 150/5340–30)

GENERAL NOTES

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

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.creng.com

90% SUBMITTAL
PRELIMINARY NOT FOR CONSTRUCTION

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

NO	REVISIONS / SUBMISSIONS	DATE

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT
DEER VALLEY AIRPORT
TAXIWAY C CONNECTORS
C4-C10
AV31000096 FAA/ADOT

Designed by: SW
Drawn by: JBW
Checked by: CA
Date: 04/27/2026
Dwg scale: NTS

ADOT GRANT NUMBER(S): XXX

SHEET OVERVIEW TITLE
EQUIPMENT DATA TABLES

SHEET REFERENCE NUMBER:
EA-605

SHEET 76 OF 76

D:\PROJECTS\22000\22002 DVT Tax C Connectors C4-C10\CAD\CAD SHEETS\GMP 2 SHEETS\22002_EA-605_EQUIPMENT DATA TABLES_GMP2.dwg – Apr 16,2026 10:24am