CITY OF GLENDALE

GLENDALE, ARIZONA

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III

FAA AIP NO: 3-04-0064-040-2026
CITY PROJECT NO: 262702

DIBBLE

CIVIL
DUANE DANA, P.E.
DIBBLE
1640 S. STAPLEY DR
SUITE 251
MESA, AZ 85204
P: (602) 957-1155
www.dibblecorp.com

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

ELECTRICAL
CATHERINE ALCORN, P.E.
CR ENGINEERS, INC
16719 E. PALISADES BLVD
SUITE 202
P: (480) 816-5541
www.creng.com

Glendale
ARIZONA

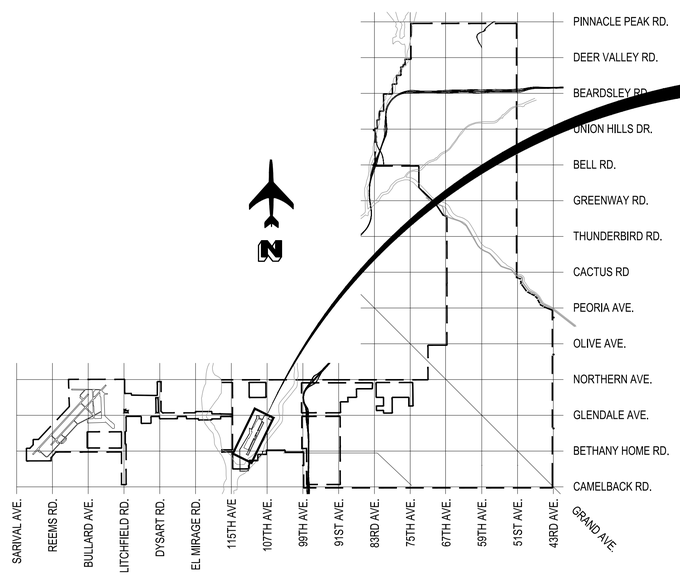
MAYOR
JERRY P. WEIERS

CITY COUNCIL - DISTRICT
LEANDRO BALDENEGRO - OCOTILLO
LUPE CONCHAS - CACTUS
DIANNA T. GUZMAN - YUCCA
RAY MALNAR - SAHUARO
LAUREN TOLMACHOFF - CHOLLA
BART TURNER - BARREL

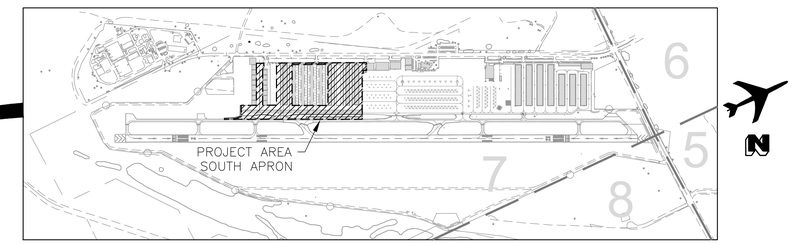
CITY MANAGER
PATRICK S. BANGER

CITY CLERK
JULIE K. BOWER

CITY ATTORNEY
MICHAEL D. BAILEY



VICINITY MAP
NTS



LOCATION MAP
NTS

PROJECT LOCATION

SECTION 7
TOWNSHIP 2 NORTH, RANGE 1 EAST
THE GILA AND SALT RIVER BASE & MERIDIAN,
MARICOPA ARIZONA

PRIMARY BENCHMARK

POINT NUMBER 19
NGS PUBLISHED BENCHMARK:
BRASS CAP FLUSH STAMPED "GEU C 2006"
GROUND NORTHING=916532.54
GROUND EASTING=582822.56
ELEV=1040.38

UTILITY COORDINATION

UTILITY COMPANY	COMPANY REPRESENTATIVE	TELEPHONE NUMBER	DATE SENT
APS	APS LOCATE DEPARTMENT	(623) 493-4225	6/28/2026
COX	CHERYL BUTTS	(623) 328-4104	6/28/2026
CITY OF GLENDALE	DANIEL GERHARD	(623)-930-3653	6/28/2026
KINDER MORGAN	STEVEN WEATHERHEAD	(520) 509-3625	6/28/2026
LUMEN	KEN WAGNER	(815) 245-9640	6/28/2026

CERTIFICATION

I hereby certify that this design is based on a site visit or accurate field data which has been checked in the field within 180 days prior to submission for City approval.

BY:_____ DATE _____

RECORD DRAWING

I certify that the locations, elevations, depths and record drawing comments accurately reflect the existing field conditions and materials actually used during construction. This certification is based on periodic field observations and the contractors representations of the facilities as constructed.

NAME _____ DATE _____ (SEAL)

REGISTRATION NO. _____ EXP. DATE _____

REVD. BY: _____
TECHNICAL REGISTRANT

PLANS ACCEPTANCE

The City of Glendale accepts these plans for construction, as being in general compliance with plan preparation requirements of the City. Responsibility for the completeness and accuracy of the plans and related design resides with the Engineer and the Engineering Firm of Record.

David D. Bend — 08/03/2026
CITY ENGINEER/DIRECTOR — DATE

Tony S. Phillips — 08/03/2026
For TRANSPORTATION DIRECTOR — DATE

CITY OF GLENDALE
ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DUANE H. DANA Date Signed 08/03/2026 ARIZONA U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
COVER SHEET

Scale NTS
Date 7/30/2026

GG1.00

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

SHT. 1 OF 86

DSC #

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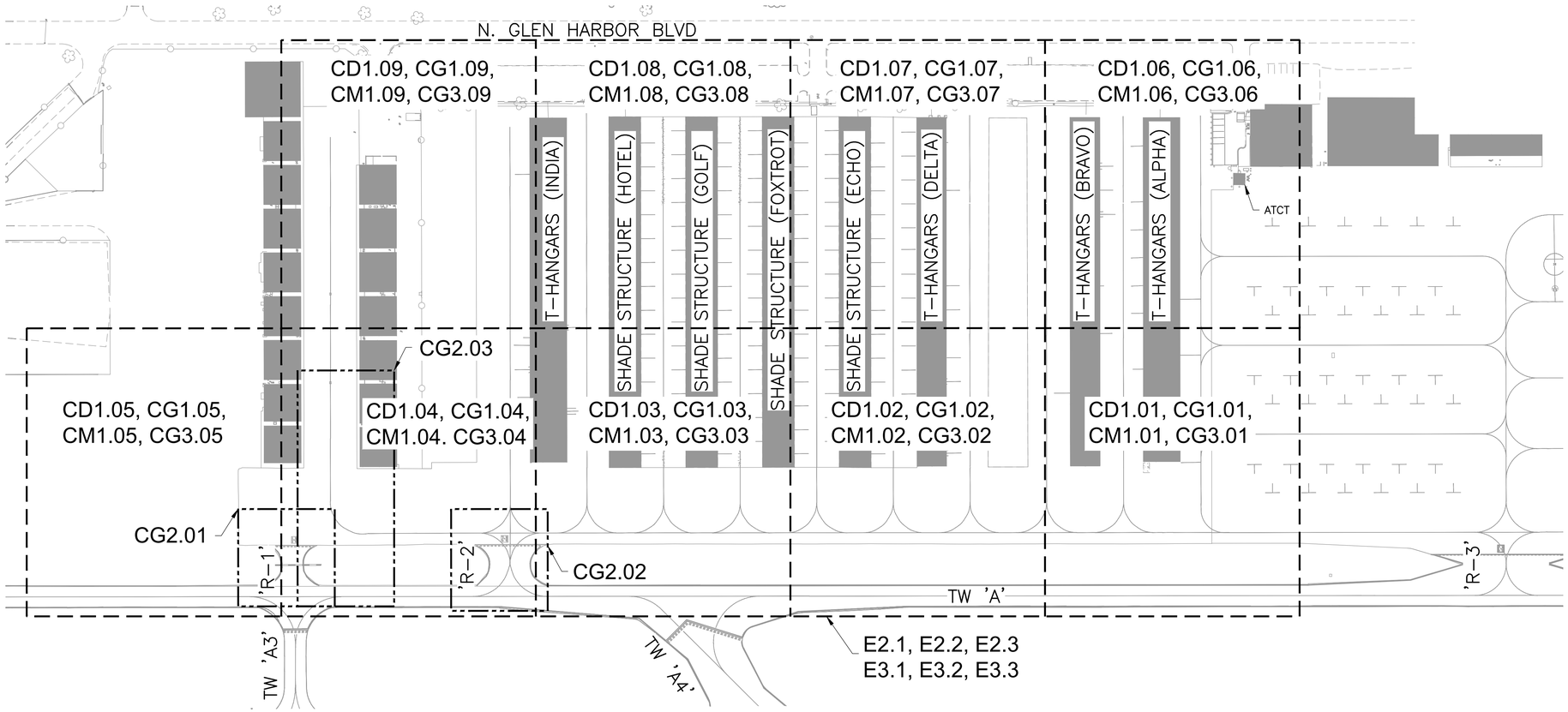
FILE NAME: 20058_14-GG1_00 PLOTTING DATE: 08.03.2026 REVISION DATE: _____ AUTOCAD VER.: 2026



N

0' 50' 100' 200'

SCALE: 1"=100'

LEGEND

XX1.01 — SHEET SEQUENCE NUMBER

SHEET SERIES OR DISCIPLINE DESIGNATOR FOR PLAN

SHEET LAYOUT

PROFILE SHEET LAYOUT

DIBBLE

Glendale ARIZONA

CITY OF GLENDALE

ENGINEERING DEPARTMENT

5850 W. GLENDALE AVE.

GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DANIE H. DANA Date Signed 07/30/26 Arizona U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

REVISIONS

No.	Date	Description

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III

6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307

PROJECT KEY MAP & SHEET INDEX

Scale 1"=100'

Date 7/30/2026

GG1.01

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

SHT. 2 OF 86

DSC # ------

SHEET INDEX

SHT NO.	DWG NO.	SHEET TITLE
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2	GG1.01	PROJECT KEY MAP & SHEET INDEX
3	GG1.02	GENERAL NOTES & QUANTITIES
4	GG1.03	LEGEND & ABBREVIATIONS
5	GG1.04	SURVEY CONTROL PLAN
6	GG1.05	AIRPORT SITE PLAN
7	GG1.06	PROJECT SITE PLAN
8	GG2.01	CONSTRUCTION PHASING PLAN OVERALL
9	GG2.02	CONSTRUCTION PHASING PLAN PHASE 1
10	GG2.03	CONSTRUCTION PHASING PLAN PHASE 2
11	GG2.04	CONSTRUCTION PHASING PLAN PHASE 3
12	GG2.05	CONSTRUCTION PHASING PLAN PHASE 4
13	GG2.06	CONSTRUCTION PHASING PLAN PHASE 5
14	GG2.07	CONSTRUCTION PHASING PLAN PHASE 6
15	GG3.01	TYPICAL SECTIONS & DETAILS 1
16	GG3.02	TYPICAL SECTIONS & DETAILS 2
17	GG3.03	TYPICAL SECTIONS & DETAILS 3
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19	CD1.02	DEMOLITION PLAN 2
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21	CD1.04	DEMOLITION PLAN 4
22	CD1.05	DEMOLITION PLAN 5
23	CD1.06	DEMOLITION PLAN 6
24	CD1.07	DEMOLITION PLAN 7
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26	CD1.09	DEMOLITION PLAN 9
27	CG1.01	PAVEMENT & GRADING PLAN 1
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33	CG1.07	PAVEMENT & GRADING PLAN 7
34	CG1.08	PAVEMENT & GRADING PLAN 8
35	CG1.09	PAVEMENT & GRADING PLAN 9
36	CG2.01	R-1 TAXIWAY CONNECTOR PLAN & PROFILE
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38	CG2.03	STORM DRAIN PLAN & PROFILE
39	CG3.01	PAVEMENT ELEVATION PLAN 1
40	CG3.02	PAVEMENT ELEVATION PLAN 2
41	CG3.03	PAVEMENT ELEVATION PLAN 3
42	CG3.04	PAVEMENT ELEVATION PLAN 4
43	CG3.05	PAVEMENT ELEVATION PLAN 5
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45	CG3.07	PAVEMENT ELEVATION PLAN 7
46	CG3.08	PAVEMENT ELEVATION PLAN 8
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54	CM1.02	PAVEMENT MARKING PLAN 2
55	CM1.03	PAVEMENT MARKING PLAN 3
56	CM1.04	PAVEMENT MARKING PLAN 4
57	CM1.05	PAVEMENT MARKING PLAN 5
58	CM1.06	PAVEMENT MARKING PLAN 6
59	CM1.07	PAVEMENT MARKING PLAN 7
60	CM1.08	PAVEMENT MARKING PLAN 8

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62	CM2.01	PAVEMENT MARKING DETAILS
63	CM2.02	SIGN DETAILS 1
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65	CE1.01	EROSION CONTROL PLAN & DETAILS
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86	GT1.05	BORING LOGS 4

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FILE NAME: 20058_14-GG1_01 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

GENERAL NOTES

1. ALL CONSTRUCTION TO CONFORM TO THE LATEST REVISIONS OF THE FEDERAL AVIATION ADMINISTRATION (FAA) ADVISORY CIRCULARS (AC) OR THE CURRENT UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION AS SPONSORED BY THE MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) AND AS AMENDED BY THE CITY OF GLENDALE AS IDENTIFIED AND SPECIFIED WITHIN THE PLANS AND CONTRACT DOCUMENTS.
2. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN, AT THEIR OWN EXPENSE, SUCH PERMITS AS ARE REQUIRED FROM THE APPROPRIATE AGENCIES.
3. ANY WORK PERFORMED WITHOUT THE KNOWLEDGE AND APPROVAL OF THE ENGINEER AND/OR OWNER AND ALL WORK MATERIALS NOT IN CONFORMANCE WITH THE PLANS AND SPECIFICATIONS IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S SOLE EXPENSE.
4. NO JOB WILL BE CONSIDERED COMPLETE UNTIL ALL OFFSITE CURBS, PAVEMENT AND SIDEWALKS HAVE BEEN SWEPT CLEAN OF ALL DIRT AND DEBRIS, AS WELL AS ALL PAVEMENT WITHIN THE AIR OPERATIONS AREA (AOA).
5. THE CONTRACTOR SHALL KEEP SUITABLE EQUIPMENT ON HAND AT THE JOBSITE FOR MAINTENANCE OF DUST CONTROL, AND SHALL CONTROL DUST AS DIRECTED BY THE APPROPRIATE AGENCIES, AS WELL AS ANY FOREIGN OBJECT DEBRIS (FOD) WITHIN THE AOA.
6. A THOROUGH ATTEMPT HAS BEEN MADE TO SHOW THE LOCATION OF ALL UNDERGROUND OBSTRUCTIONS AND UTILITY LINES IN THE WORK AREA. THE ENGINEER AND THE OWNER WILL NOT GUARANTEE ANY LOCATIONS OR ELEVATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR MAKING A COMPLETE AND ACCURATE ON–SITE DETERMINATION OF THE LOCATIONS OF ALL UTILITIES, STRUCTURES, AND FIELD CONDITIONS WHICH MAY AFFECT THE PROGRESS OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO STRUCTURES AND UTILITIES ENCOUNTERED DURING CONSTRUCTION AND SHALL FIELD EXPOSE EXISTING UNDERGROUND UTILITIES PRIOR TO TRENCHING IN THEIR VICINITY.
7. ALL QUANTITIES SHOWN ON PLANS ARE APPROXIMATE, ARE NOT VERIFIED BY THE OWNER, AND ARE FURNISHED SOLELY FOR THE CONTRACTOR'S CONVENIENCE.
8. CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL EXISTING AIRPORT FACILITIES, INFRASTRUCTURE, AND IMPROVEMENTS, INCLUDING TENANT FACILITIES. ANY DAMAGE CAUSED BY CONTRACTOR SHALL BE REPLACED OR REPAIRED BY CONTRACTOR AT THEIR SOLE EXPENSE TO THE SATISFACTION OF BOTH ENGINEER AND THE OWNER OF THE DAMAGED PROPERTY.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION STAKING WHICH SHALL BE PERFORMED BY A REGISTERED LAND SURVEYOR IN THE STATE OF ARIZONA.
10. THE OWNER MAY ORDER ANY OR ALL WORKMANSHIP AND MATERIALS TO BE TESTED ACCORDING TO APPLICABLE STANDARDS.
11. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL REWORK AND/OR REMOVAL AND REPLACEMENT OF ALL MATERIALS AND/OR WORKMANSHIP REPRESENTED BY A FAILING TEST.
12. APPROVAL OF A PORTION OF THE WORK IN PROGRESS DOES NOT GUARANTEE ITS FINAL ACCEPTANCE. TESTING AND EVALUATION MAY CONTINUE UNTIL WRITTEN FINAL ACCEPTANCE OF A COMPLETE AND WORKABLE UNIT.
13. THE OWNER MAY SUSPEND THE WORK BY WRITTEN NOTICE WHEN, IN ITS JUDGEMENT, PROGRESS IS UNSATISFACTORY, WORK BEING DONE IS UNAUTHORIZED OR DEFECTIVE, WEATHER CONDITIONS ARE UNSUITABLE, OR THERE IS A DANGER TO THE PUBLIC HEALTH OR SAFETY.
14. THE CONTRACTOR IS RESPONSIBLE FOR QUALITY CONTROL TESTING.
15. THE CONTRACTOR SHALL COMPLY WITH THIS PROJECT'S CONSTRUCTION SAFETY AND PHASING PLAN AT ALL TIMES.
16. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN ALL EXISTING AIRPORT ACCESS GATES, FENCING USED BY THE CONTRACTOR AND MAINTAIN FIRE ACCESS DURING CONSTRUCTION PER IFC 3310. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN THE SECURITY OF SAID ACCESS GATES AND FENCING AND PROVIDE TEMPORARY FENCES (MIN. 6' HIGH) AS NEEDED. ANY DAMAGE TO THE AIRPORT'S EXISTING FENCE AND GATES SHALL BE SATISFACTORILY REPAIRED OR REPLACED TO A CONDITION EQUAL TO OR BETTER THAN THE ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE CONTRACT.
17. CONFLICTS BETWEEN CITY OF GLENDALE GENERAL NOTES, GENERAL NOTES, TECHNICAL SPECIFICATIONS & FAA GENERAL PROVISIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD FOR INTERPRETATION AND CLEAR DIRECTION.
18. CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING PHOTOS AND VIDEOS OF THE PROJECT AREA, STAGING AREA, AND HAUL ROUTES AS WELL AS FACILITIES ADJACENT TO THE IMPACTED CONSTRUCTION AREAS PRE AND POST PROJECT CONSTRUCTION IN THE IN THE PRESENCE OF THE ENGINEER. DAMAGE TO ANY FACILITIES AS A RESULT OF CONSTRUCTION OPERATIONS MUST BE FIXED/ADDRESS BY THE CONTRACTOR AT NO COST TO THE OWNER.
19. IF SUSPECTED HAZARDOUS MATERIALS ARE ENCOUNTERED DURING WORK, WORK SHOULD BE CEASED AT THE LOCATION AND THE ADOT HAZARDOUS MATERIALS COORDINATOR CAN BE CONTACTED AT 602–920–3882 TO DISCUSS PROPER ASSESSMENT, TREATMENT, OR DISPOSAL OF THE MATERIALS.
20. FOR MILLING ACTIVITIES, THE ROADWAY SURFACE PRECEDING THE MILLING MACHINE SHALL BE KEPT SUFFICIENTLY WET SO AS TO PREVENT THE GENERATION OF ANY VISIBLE FUGITIVE DUST PARTICLES, BUT NOT SO WET AS TO CAUSE EXCESS RUNOFF.
21. IF PREVIOUSLY UNIDENTIFIED CULTURAL RESOURCES ARE ENCOUNTERED DURING WORK, WORK SHOULD CEASE IMMEDIATELY AT THE LOCATION AND THE ENVIRONMENTAL COMMITMENTS COORDINATOR 928–522–3349. NO WORK SHOULD RESUME AT THIS LOCATION UNTIL APPROVAL IS GIVEN.
22. ALL EXCAVATED SUBGRADE MATERIAL SHALL BE DISPOSED OFF AIRPORT PROPERTY.
23. HAUL ROUTE SHALL BE RETURNED TO ITS PRE–CONSTRUCTION CONDITION AT THE END OF THE PROJECT AT THE CONSTRACTOR'S SOLE EXPENSE. THE CONTRACTOR SHALL PERFORM A PRE–CONSTRUCTION VISUAL SURVEY OF THE HAUL ROUTE IN CONCERT WITH THE ENGINEER, AIRPORT STAFF, AND CITY STAFF.

QUANTITY TABLE

CIVIL

LINE No.	ITEM No.	DESCRIPTION	APPROX. QTY.	UNIT	AS-BUILT QTY.
1	C-100-14.1	Contractor Quality Control Program	1	LS	
2	C-102-6.1	Stormwater Pollution Prevention Plan	1	LS	
3	C-105-6.1	Mobilization (5% Max)	1	LS	
4	SP-40.11.1	Construction Staking and Survey Layout	1	LS	
5	SP-50.01.1	Location of Underground Utilities	1	LS	
6	SP-60.04.1	Airfield Safety and Security	1	LS	
7	SP-90.01.1	Remove Sign & Post	8	EA	
8	SP-90.01.2	Remove Vehicle Detector Loop Back to Gate Operator	1	LS	
9	SP-90.01.3	Adjust To Grade Sewer Cleanout Frame & Cover (MAG Std Det 441)	1	EA	
10	SP-90.01.4	Remove Concrete Pad Around Flush Mount Fire Hydrant & Valve Box Frame & Cover, Adjust To Grade, Construct New Concrete Pad (MAG Std Det 391)	1	EA	
11	SP-90.01.5	Adjust To Grade Water Meter Box for Curb Stop w/Flushing Pipe (MAG Std Det 390, Type B)	1	EA	
12	SP-90.01.6	Adjust To Grade Manhole Frame & Cover (MAG Std Det 422-1)	1	EA	
13	SP-90-02.1	Concrete Vertical Curb & Gutter (MAG Std Det 220-1, Type A)	36	LF	
14	SP-90-02.2	Concrete Ribbon Curb (MAG Std Det 220-1, Type B)	4,820	LF	
15	SP-90.02.3	Concrete Sidewalk (MAG Std Det 230)	252	SF	
16	SP-90.02.4	Concrete Sidewalk w/Curb Ramp (MAG Std Det 230)	82	SF	
17	SP-90.03.1	Stabilized Asphalt Millings Shoulder (4-Inch Depth)	7,350	SY	
18	SP-90.04.1	Custom Reserved Parking Sign (18"x12"), Post Mounted (COG DET SS-122 & SS-131)	4	EA	
19	SP-90.04.2	ADA & Van Accessible Parking Sign (R7-8AZ & R7-8P), Post Mounted (COG DET SS-105, SS-122, & SS-131)	1	EA	
20	SP-90-04.3	No Parking Sign (R7-1) Fence Mounted (COG DET SS-106)	10	EA	
21	SP-90.05.1	Vehicle Detector Loop	2	EA	
22	P-101-5.1	Sawcut Asphalt Concrete Pavement (Full Depth)	4,805	LF	
23	P-101-5.2	Remove Asphalt Concrete Pavement (Full Depth, +/- 2.5-Inch)	58,689	SY	
24	P-101-5.3	Remove Concrete Pad	207	SF	
25	P-101-5.4	Remove Concrete Vertical Curb & Gutter	157	LF	
26	P-101-5.5	Obliterate Pavement Markings	49	SF	
27	P-101-5.6	Remove 21-Inch CMP Storm Drain Pipe	96	LF	
28	P-151-4.1	Clearing and Grubbing	0.14	AC	
29	P-152-4.1	Unclassified Excavation	5,500	CY	
30	P-152-4.2	Subgrade Preparation (12-Inch Depth)	70,432	SY	
31	P-152-4.3	Remove Stabilized Asphalt Millings (Full Depth +/- 2.5-Inch)	6,660	SY	
32	P-152-4.4	Unsuitable Subgrade Repair	1,500	CY	
33	P-209-5.1	Crushed Aggregate Base Course (6-Inch Depth)	52,341	SY	
34	P-209-5.2	Crushed Aggregate Base Course (8-Inch Depth)	12,676	SY	
35	P-401-8.1	Asphalt Surface Course (4-Inch Thick)	12,676	SY	
36	P-401-8.2	Asphalt Surface Course (3-Inch Thick)	49,742	SY	
37	P-603-5.1	Emulsified Asphalt Tack Coat	1,268	GAL	
38	P-605-5.1	Concrete Ribbon Curb To AC Pavement Joint	4,808	LF	
39	P-605-5.2	Hangar Foundation To Concrete Ribbon Curb Expansion Joint	4,808	LF	
40	P-620-5.1	Pavement Markings, Yellow, Reflective Media, Type I	7,056	SF	
41	P-620-5.2	Pavement Marking, Black	63	SF	
42	P-620-5.3	Pavement Markings, White	27	SF	
43	P-620-5.4	Pavement Markings, Yellow	80	SF	
44	P-620-5.5	Pavement Markings, ADA	1	EA	
45	D-701-5.1	18-Inch RGRCP Class IV Storm Drain Pipe	264	LF	
46	D-751-5.1	Adjust Small Catch Basin to Grade	7	EA	
47	D-751-5.2	Adjust Large Catch Basin to Grade	5	EA	
48	D-751-5.3	Catch Basin & Orifice Plate (MAG Std Det 535, Type 'F')	1	EA	
49	D-754-5.1	Concrete Valley Gutter (7-Inch Thick)	13,672	SF	

QUANTITY TABLE

ELECTRICAL

LINE No.	ITEM No.	DESCRIPTION	APPROX. QTY.	UNIT	AS-BUILT QTY.
50	L-100-5.1	Remove and Salvage Taxiway Edge Light and Isolation Transformer, Remove Existing Base Can	30	EA	
51	L-100-5.2	Remove and Salvage Taxiway Edge Light and Isolation Transformer, Existing Base Can to Remain	4	EA	
52	L-100-5.3	Excavate and Remove Existing Conduit and Conductor	2,490	LF	
53	L-100-5.4	Excavate and Remove Existing Concrete Encased Duct Bank	170	LF	
54	L-100-5.5	Remove Existing Conductor, Conduit to Remain (450 LF)	1	LS	
55	L-100-5.6	Remove Existing Lighted Airfield Guidance Sign and Isolation Transformer, Demo Sign Base	4	EA	
56	L-100-5.7	Remove Existing Unlighted Airfield Guidance Sign and Isolation Transformer, Demo Sign Base	2	EA	
57	L-100-5.8	Excavate and Remove Existing 4'x4'x4' Concrete Hand Hole	4	EA	
58	L-100-5.9	Locate and Excavate to Uncover Existing 4'x4'x4' Hand Hole, Verify Collar Dimensions for Elevation Adjustment	1	EA	
59	L-100-5.10	Temporary Airfield Lighting Cable Jumpers	1	LS	
60	L-108-5.1	L-824, Type C, 1/C #8 AWG, 5kV Cable	3,025	LF	
61	L-108-5.2	L-824, Type C, 2/C #8 AWG, 5kV Cable	810	LF	
62	L-110-5.1	Single-way, (1) - 2" Conduit, Slurry Encased	2,180	LF	
63	L-110-5.2	Multiple-way, (2) - 2" Conduit, Concrete Encased	480	LF	
64	L-115-5.1	New L-867E 24" Dia. Junction Can with Blank Cover	4	EA	
65	L-115-5.2	Install Concrete Collar on Existing 4'x4'x4' Hand Hole	1	EA	
66	L-125-5.1	New L-858(L) Size 1, 2-Module, Airfield Guidance Sign on New Concrete Sign Base	1	EA	
67	L-125-5.2	Salvaged Size 1, 2-Module, Airfield Guidance Sign on New Concrete Sign Base	2	EA	
68	L-125-5.3	New L-858(L) Size 1, 3-Module, Airfield Guidance Sign on New Concrete Sign Base	3	EA	
69	L-125-5.4	Salvaged Size 1, 3-Module, Airfield Guidance Sign on New Concrete Sign Base	2	EA	
70	L-125-5.5	New Size 2, 2-Module, Unlighted Airfield Guidance Sign on New Concrete Sign Base	1	EA	
71	L-125-5.6	Salvaged Size 2, 2-Module, Unlighted Airfield Guidance Sign on New Concrete Sign Base	2	EA	
72	L-125-5.7	Install Size 1 Sign Panels in Existing Cabinet Style, 3-Module Sign	2	EA	
73	L-125-5.8	New Elevated L-861T Quartz Taxiway Edge Light and Isolation Transformer on New L-867 Base Can	36	EA	
74	L-125-5.9	New Steel Blank Cover and Gasket on Existing L-867 Edge Light Base Can	4	EA	

EARTHWORK QUANTITIES

NOTE: THE FOLLOWING RAW, UNADJUSTED, IN–PLACE EARTHWORK QUANTITIES ARE PROVIDED FOR BIDDING PURPOSES ONLY.

5,500 CY CUT

450 CY FILL

DIBBLE

Glendale ARIZONA

CITY OF GLENDALE
ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) CERTIFICATE NO. 47425 DUANE H. DANA Date Signed 07/30/26 ARIZONA U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
GENERAL NOTES & QUANTITIES

Scale NTS
Date 7/30/2026

GG1.02

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SHT. 3
OF 86

FILE NAME: 20058_14-GG1_02 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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ABBREVIATIONS

ABC	AGGREGATE BASE COURSE
AC	ASPHALT CONCRETE PAVEMENT
A/C	AIR CONDITIONER
ADD ALT	ADDITIVE ALTERNATE
ADG	AIRCRAFT DESIGN GROUP
AFFF	AQUEOUS FILM FORMING FOAM
AHD	AHEAD
AOA	AIRCRAFT OPERATIONS AREA
ATCT	AIRPORT TRAFFIC CONTROL TOWER
BCF	BRASS CAP FLUSH
BFP	BACKFLOW PREVENTION DEVICE
BK	BACK
BLDG	BUILDING
BM	BENCHMARK
BOL	BOLLARD
CAL	CALENDAR
CB	CATCH BASIN
C/L OR ℄	CENTERLINE
CMP	CORRUGATED METAL PIPE
COG	CITY OF GLENDALE
CONC	CONCRETE
CONST ℄	CONSTRUCTION CENTERLINE
CP	CONTROL POINT
DRNG	DRAINAGE
ELEC	ELECTRICAL
ELEV	ELEVATION
EM	ELECTRICAL METER
EOP	EDGE OF PAVEMENT
ESMT	EASEMENT
EXST	EXISTING
EV	ELECTRICAL VAULT
FDC	FIRE DEPARTMENT CONNECTOR
FH	FIRE HYDRANT

ABBREVIATIONS (CONT'D)

FL	FLOWLINE
FNC	FENCE
FO	FIBER OPTIC
GB	GRADE BREAK
GEN	GENERATOR
GR	GRATE
HH	HANDHOLE
INV	INVERT
LT	LEFT OFFSET
MAG	MARICOPA ASSOCIATION OF GOVERNMENTS
ME	MATCH EXISTING
MH	MANHOLE
MRKG	MARKING
NPI	NON–PAY ITEM
OAE	OR APPROVED EQUAL
OC	ON CENTER
OFA	OBJECT FREE AREA
OFZ	OBSTACLE FREE ZONE
PAC	PRIMARY AIRPORT CONTROL
PC	POINT OF CURVATURE
PCCP	PORTLAND CEMENT CONCRETE PAVEMENT
PH	PHASE
PI	POINT OF INTERSECTION
PAPI	PRECISION APPROACH PATH INDICATOR
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENCY
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
RCP	REINFORCED CONCRETE PIPE
REIL	RUNWAY END IDENTIFIER LIGHTS

ABBREVIATIONS (CONT'D)

RGRCP	RUBBER GASKET REINFORCED CONCRETE PIPE
ROFA	RUNWAY OBJECT FREE AREA
ROW	RIGHT OF WAY
RPR	RESIDENT PROJECT REPRESENTATIVE
RSA	RUNWAY SAFETY AREA
RT	RIGHT OFFSET
RW	RUNWAY
SAC	SECONDARY AIRPORT CONTROL
SD	STORM DRAIN
SH	SHOULDER
SS	SANITARY SEWER
STA	STATION
STD DET	STANDARD DETAIL
SWPPP	STORM WATER POLLUTION PREVENTION PLAN
SWR	SEWER
TBM	TEMPORARY BENCHMARK
TD	TIE–DOWN
TEMP	TEMPORARY
TL	TAXILANE
TLOFA	TAXILANE OBJECT FREE AREA
TOFA	TAXIWAY OBJECT FREE AREA
TR	TRASH RECEPTACLE
TSA	TAXIWAY SAFETY AREA
TW	TAXIWAY
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
USBR	UNITED STATES BUREAU OF RECLAMATION
VOR	VHF OMNI–DIRECTIONAL RANGE
WM	WATER METER

ABBREVIATIONS (CONT'D)

WV	WATER VALVE
WAT	WATER MAIN

LEGEND

- PRIMARY BENCHMARK
- SURVEY MONUMENT
- EXISTING CATCH BASIN
- EXISTING TAXIWAY LIGHT
- EXISTING SIGN
- EXISTING VALVE
- EXISTING FIRE DEPARTMENT CONNECTOR
- EXISTING FIRE HYDRANT
- EXISTING PULL BOX/VAULT
- E — NEW ELECTRICAL
- SS — EXISTING SANITARY SEWER
- W — EXISTING WATERLINE
- E — EXISTING ELECTRICAL
- G — EXISTING GAS
- HH — ELECTRIC HANDHOLE
- FLAGGER
- BRASS CAP FLUSH
- SOIL BORING LOCATION
- CENTER LINE
- CONTRACTOR'S SITE ACCESS & HAUL ROUTE
- GRADE BREAK
- TIE–DOWN
- PROPOSED SIGN

LEGEND (CONT'D)

- 1361 / 1360 — NEW CONTOURS
- 1364 / 1365 — EXISTING CONTOURS
- SECURITY FENCE
- PROPERTY BOUNDARY
- LOW PROFILE BARRICADES
- RSA — RUNWAY SAFETY AREA
- TSA — TAXIWAY SAFETY AREA
- ROFA — RUNWAY OBJECT FREE AREA
- TOFA — TAXIWAY OBJECT FREE AREA
- SAWCUT (FULL DEPTH)
- GATE # — EXISTING ACCESS CONTROL GATE
- FLOW LINE
- STORM DRAIN PIPE
- C — CUT LINE
- F — FILL LINE

LEGEND (CONT'D)

- EXISTING AC PAVEMENT
- EXISTING CONCRETE
- EXISTING MILLINGS
- REMOVE STABILIZED AC MILLINGS (FULL DEPTH ±2")
- REMOVE AC PAVEMENT (FULL DEPTH, ±2.5")
- LIGHT AC PAVEMENT SECTION SECT B, DWG GG3.02
- HEAVY AC PAVEMENT SECTION SECT A, DWG GG3.02
- CONCRETE RIBBON CURB MAG STD DET 220–1, TYPE B (MOD) DET 2, DWG GG3.03
- CLEAR & GRUB
- STABILIZED ASPHALT MILLINGS SHOULDER, SECT C, DWG GG3.02

MISCELLANEOUS

- BUILDING
- ROOF LINE OF SHADE STRUCTURES

DIBBLE

Glendale ARIZONA

CITY OF GLENDALE
ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DAVID H. DANA 8/27/2026 Arizona U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

REVISIONS

No.	Date	Description

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
LEGEND & ABBREVIATIONS

Scale NTS
Date 7/30/2026

GG1.03

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FILE NAME: 20058_14-GG1_03 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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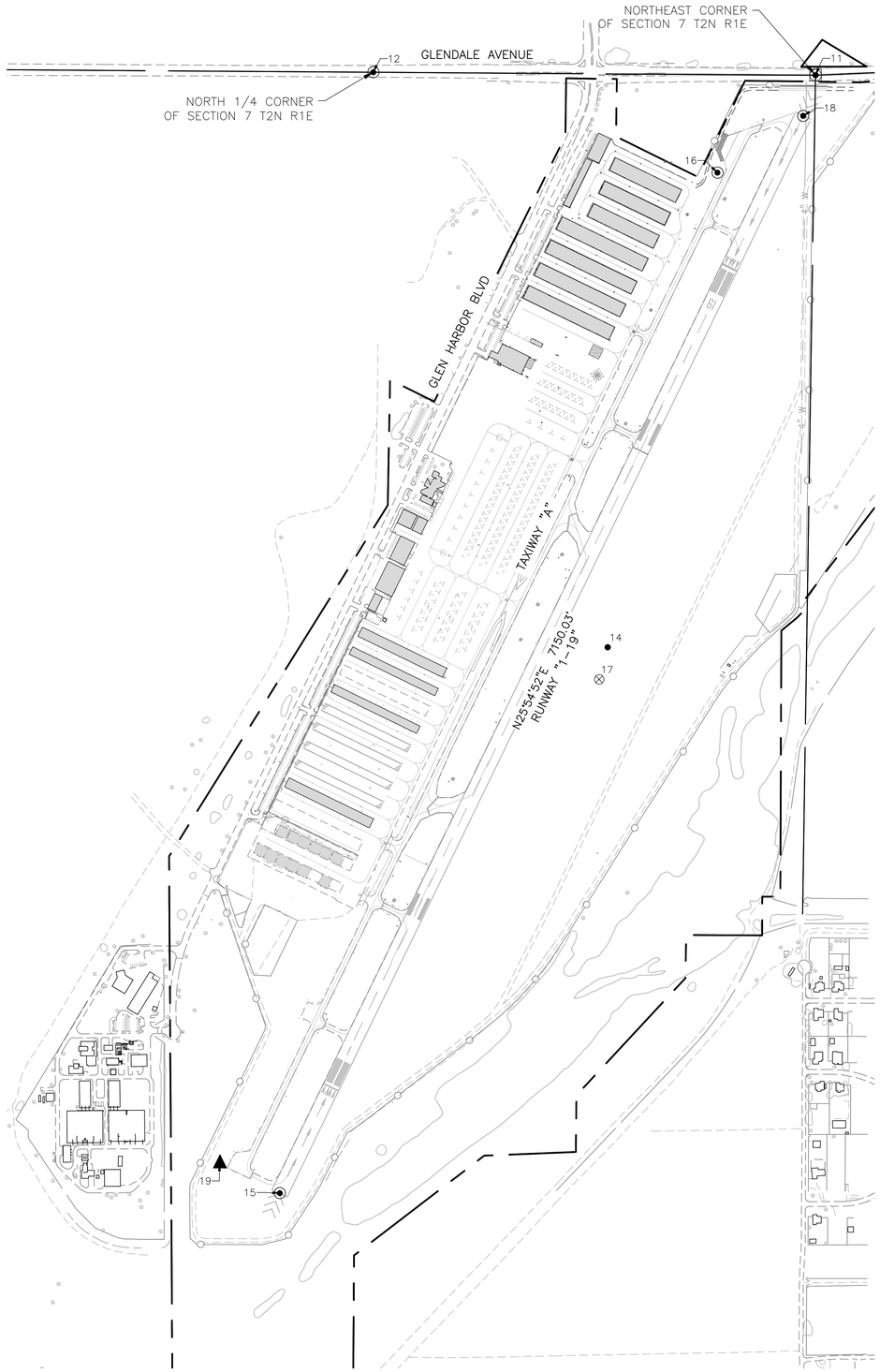

0' 200' 400' 800'

SCALE: 1"=400'

LEGEND

⊙ ⊙ •	FOUND MONUMENT AS NOTED
⊗	SET CONTROL POINT AS NOTED
▲	PRIMARY BENCHMARK
⊗	PRIMARY AIRPORT CONTROL STATION
FND–IB	FOUND IRON BAR
FND–BCHH	FOUND BRASS CAP IN HANDHOLE
FND–BCF	FOUND BRASS CAP FLUSH
FND–RB	FOUND REBAR
MC	MARICOPA COUNTY
COG	CITY OF GLENDALE
GEU	NGS MARKER DESIGNATION
PACS	PRIMARY AIRPORT CONTROL STATION
SACS	SECONDARY AIRPORT CONTROL STATION

SURVEYOR'S NOTES

1. COORDINATES WERE VERIFIED IN THE FIELD USING REAL TIME KINEMATIC GPS OBSERVATIONS RELATIVE TO NGS PUBLISHED CONTROL POINTS.

2. SURVEYED DURING THE MONTHS OF NOVEMBER 2025.

3. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL CONTROLS IN THE FIELD PRIOR TO CONSTRUCTION.

4. PROJECT META DATA

UNITS:
COORDINATES, DISTANCES AND ELEVATIONS ARE SHOWN IN INTERNATIONAL FEET.

HORIZONTAL DATUM:
NAD83 (2011 Epoch) ARIZONA CENTRAL ZONE

HORIZONTAL ADJUSTMENT:
COMBINED SCALE FACTOR (CSF): 0.99986996
GROUND NORTHING (CSF) = GRID NORTHING
GROUND EASTING (CSF) = GRID EASTING

VERTICAL DATUM:
NAVD '88
GEIOD18

PRIMARY BENCHMARK:
POINT NUMBER 19
FOUND NGS PUBLISHED BENCHMARK DESCRIBED AS:
BRASS CAP FLUSH STAMPED "GEU C 2006"
NGS PUBLISHED ELEVATION = 1040.354
OBSERVED ELEVATION = 1040.38

5. THE COORDINATES PRESENTED ARE SHOWN TO THREE DECIMAL PLACES FOR CALCULATION PURPOSES AND ARE NOT REPRESENTATIVE OF THE PRECISION OF THE SURVEY MEASUREMENTS

6. THIS IS NOT A PROPERTY BOUNDARY SURVEY.

POINT DATA TABLE

POINT NO	GROUND NORTHING	GROUND EASTING	ELEVATION	DESCRIPTION
11	923029.625	586379.233	1076.00	FND–BCF MC
12	923048.638	583739.293	1056.46	FND–BCHH COG
14	919613.849	585139.201	1042.96	FND–RB 16546
15	916356.640	583181.268	1041.44	FND–BCF COG
16	922449.445	585795.364	1063.34	FND–BCF GEU B (SACS)
17	919422.416	585088.126	1043.89	FND–IB PIN GEU A (PACS)
18	922787.715	586306.030	1071.32	FND–BCF COG
19	916532.540	582822.560	1040.38	FND–BCF GEU C (SACS)

THE SURVEY DATA USED FOR DESIGN MEETS (OR EXCEEDS) THE CRITERIA OF A LEVEL 1A SURVEY AS FOLLOWS

HORIZONTAL		VERTICAL	
CODE	TOLERANCE	CODE	TOLERANCE
1	+20FT (6 M)	A	+3FT (1 M)

Glendale ARIZONA

CITY OF GLENDALE
ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Land Surveyor
47537
JOSHUA L. DRAKE
Date Signed 07/30/26
Arizona U.S.A.

Designed	Drawn	Checked
JLB	JLB	JPG

REVISIONS

No.	Date	Description

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
SURVEY CONTROL PLAN

Scale
Date 7/30/2026

GG1.04

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SHT. 5
OF 86

FILE NAME: 24130.03-CTRL PLOTTING DATE: 07.30.2026 REVISION DATE: AUTOCAD VER.: 2026

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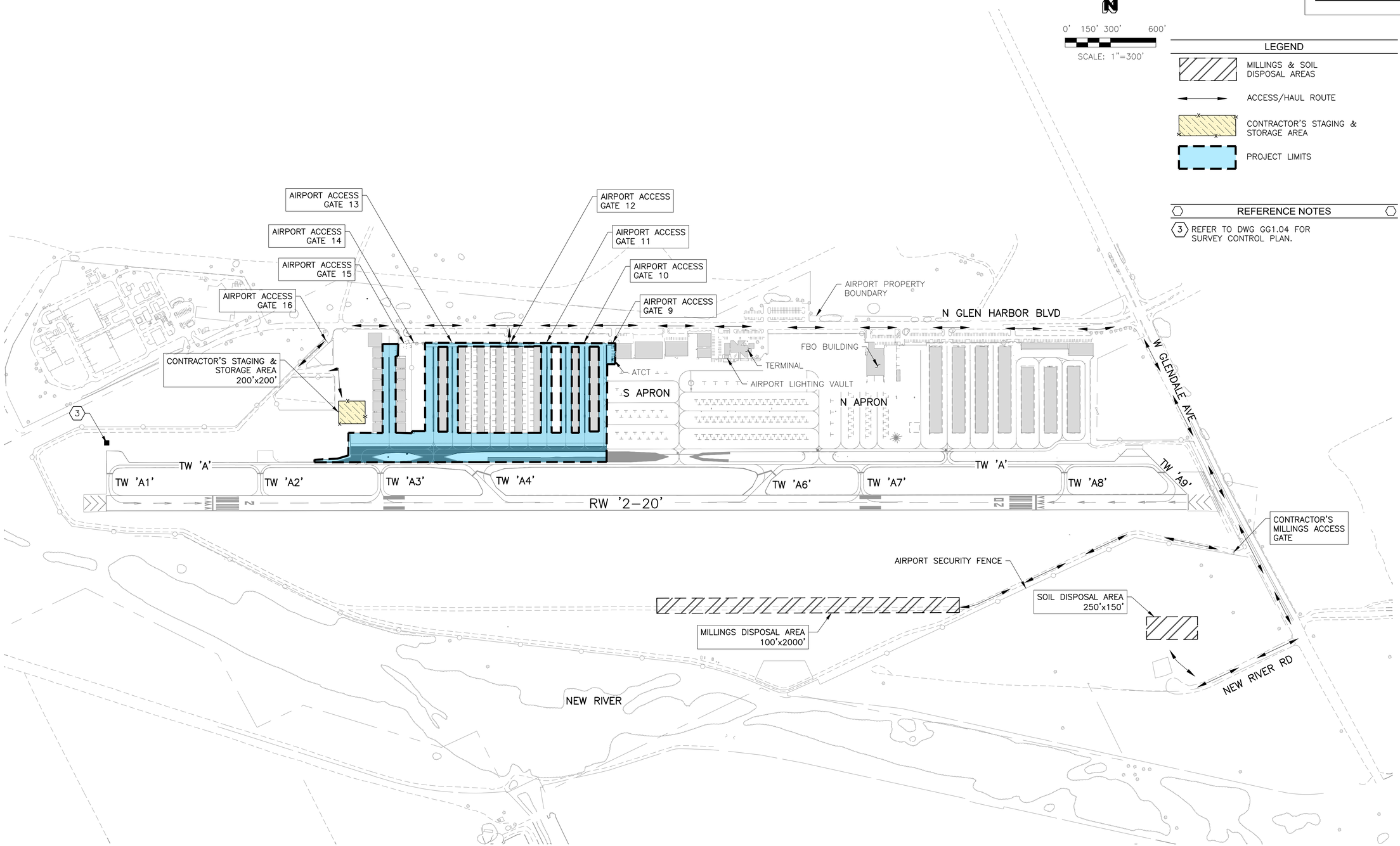

LEGEND

- MILLINGS & SOIL DISPOSAL AREAS
- ACCESS/HAUL ROUTE
- CONTRACTOR'S STAGING & STORAGE AREA
- PROJECT LIMITS

REFERENCE NOTES

3 REFER TO DWG GG1.04 FOR SURVEY CONTROL PLAN.

DIBBLE

Glendale ARIZONA

CITY OF GLENDALE

ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DANIEL H. DANA Date Signed 07/30/26 Arizona U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
AIRPORT SITE PLAN

Scale 1"=300'
Date 7/30/2026

GG1.05

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SHT. 6
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FILE NAME: 20058_14-GG1_05 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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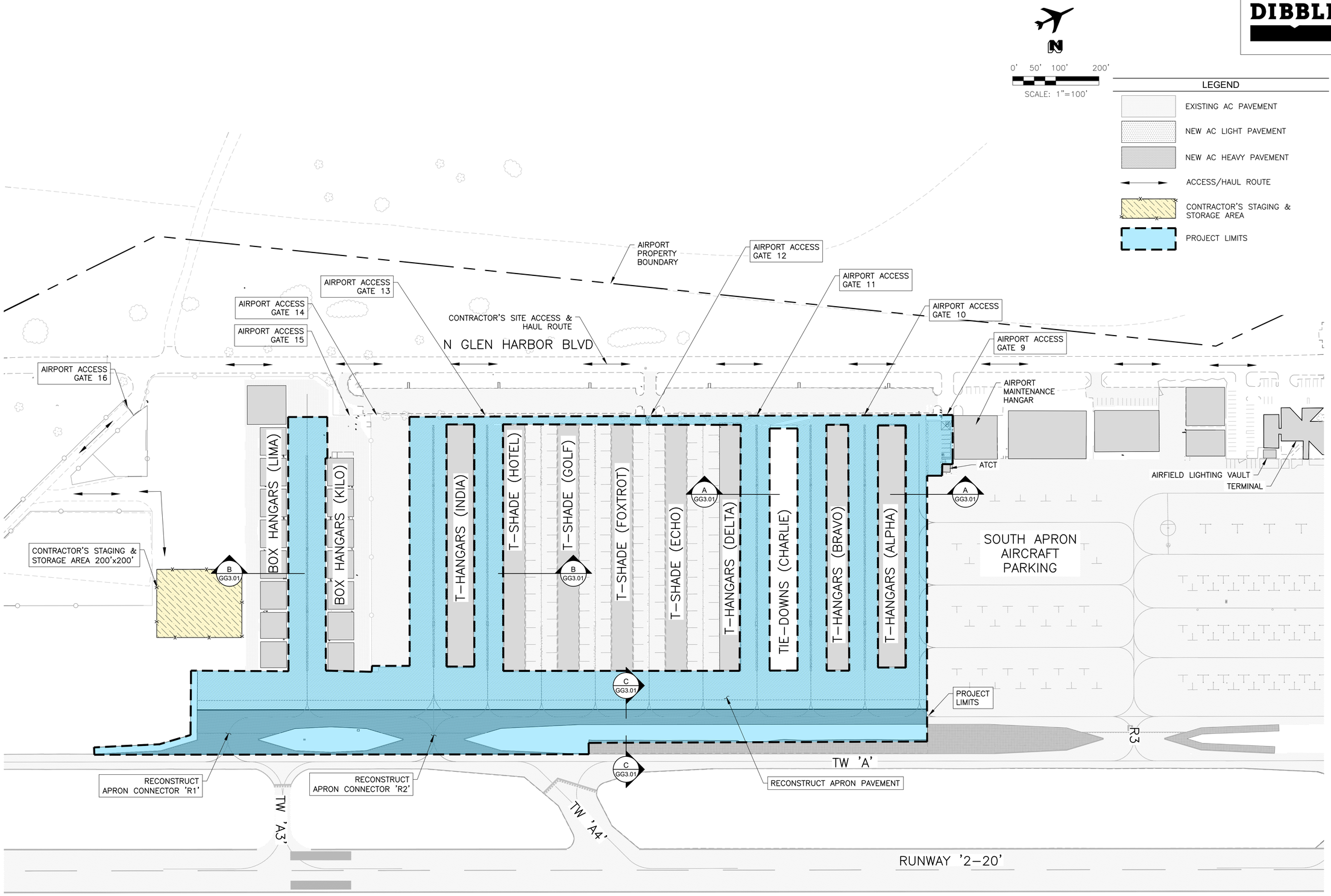

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ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DANIEL H. DANA Date Signed 07/30/26 ARIZONA U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
PROJECT SITE PLAN

Scale 1"=100'
Date 7/30/2026

GG1.06

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SHT. 7
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DSC #

FILE NAME: 20058_14-GG1_06 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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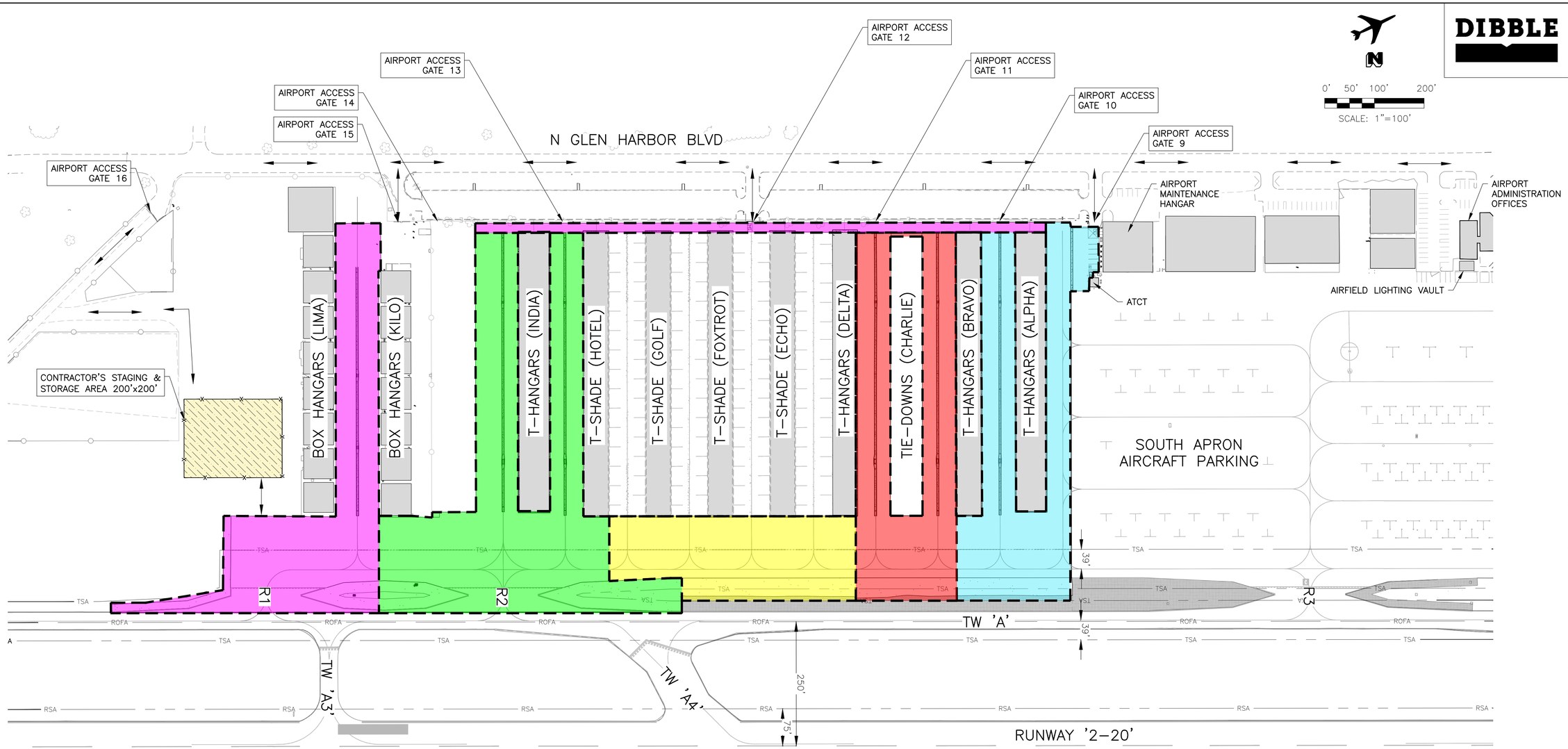


GENERAL PHASING NOTES

1. CONSTRUCTION TRAFFIC SHALL YIELD TO AIRCRAFT TRAFFIC AT ALL TIMES.
2. THE CONTRACTOR, RESIDENT ENGINEER, & AIRPORT REPRESENTATIVE SHALL WALK ALL WORK AREAS PRIOR TO TAXIWAY OR APRON REOPENING TO CONFIRM THAT THE AREA IS READY TO BE OPENED TO AIRCRAFT TRAFFIC.
3. BARRICADE PLACEMENT MAY BE ADJUSTED AT THE DISCRETION OF THE CITY AND/OR AIRPORT STAFF TO ACCOMMODATE SPECIFIC AIRCRAFT MOVEMENT NEEDS.
4. ACCESS GATES MUST EITHER REMAIN CLOSED & LOCKED OR HAVE A CONTRACTOR-PROVIDED GATE GUARD WHEN OPEN (NPI).
5. LOW PROFILE BARRICADES MAY BE SUBSTITUTED WITH WEIGHTED TRAFFIC CONES IF APPROVED BY AIRPORT STAFF.
6. CONTRACTOR WILL BE PROVIDED A KEY FOR DAILY ACCESS TO THE AIRFIELD LIGHTING VAULT.
7. CONTRACTOR'S SUPERINTENDENT & DESIGNATED BACKUP SHALL OBTAIN A SECURITY BADGE FROM THE AIRPORT. SEE SPECIAL PROVISIONS SECTION 60 OPERATIONS, SAFETY & SECURITY, 601.01 AIRPORT SECURITY REQUIREMENTS.

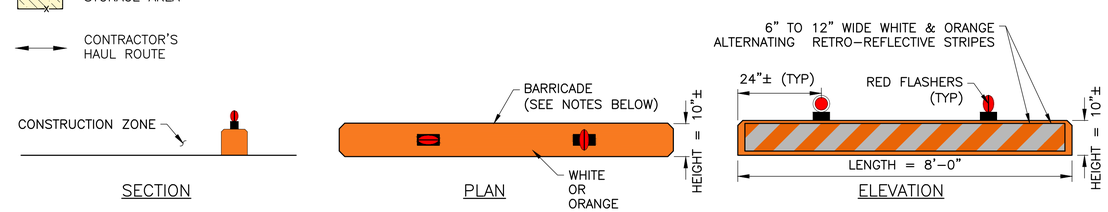
PHASING SCHEDULE

	PHASE 1	28 CALENDAR DAYS – DAY WORK
	PHASE 2	28 CALENDAR DAYS – DAY WORK
	PHASE 3	21 CALENDAR DAYS – DAY WORK
	PHASE 4	28 CALENDAR DAYS – DAY WORK
	PHASE 5	28 CALENDAR DAYS – DAY WORK
	SUBSTANTIAL COMPLETION	133 CALENDAR DAYS
	STOP TIME – PAVEMENT CURE	24 DAYS
	PHASE 6	5 CALENDAR DAYS
	TOTAL DURATION	138 CALENDAR DAYS

LEGEND

CONTRACTOR'S STAGING & STORAGE AREA

CONTRACTOR'S HAUL ROUTE



LOW PROFILE BARRICADES NOTES:

1. LOW PROFILE BARRICADES SHALL MEET THE REQUIREMENTS OUTLINED IN FAA AC 150/5370-2 (CURRENT EDITION).
2. BARRICADES PLACED BETWEEN OPERATIONAL PAVEMENT SURFACES AND CONSTRUCTION AREAS SHALL BE ARRANGED SIDE BY SIDE, NO MORE THAN 4-FEET APART. ALTERNATE RED FLASHING LIGHTS SO THAT EVERY OTHER LENS IS ROTATED 90° OR INSTALL 360° FLASHERS (OMNI-DIRECTIONAL).
3. RED FLASHERS SHALL BE SPACED NO MORE THAN 10-FEET APART, AND SECURED DIRECTLY TO THE BARRICADES, AS APPROVED BY THE AIRPORT/RPR.
4. LOW PROFILE BARRICADES AND LIGHTS SHALL BE PROVIDED AND MAINTAINED (DAY AND NIGHT) BY THE CONTRACTOR (NPI).
5. WEIGHTED TRAFFIC CONES OR VERTICAL PANELS MAY BE USED IN AREAS ONLY SUBJECT TO VEHICULAR TRAFFIC.

1 LOW-PROFILE BARRICADE DETAIL
NTS

DIBBLE

Glendale ARIZONA

CITY OF GLENDALE
ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DANIEL H. DANA Date Signed 07/30/26 ARIZONA U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
CONSTRUCTION PHASING PLAN OVERALL

Scale 1"=100'
Date 7/30/2026

GG2.01

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SHT. 8
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DSC #

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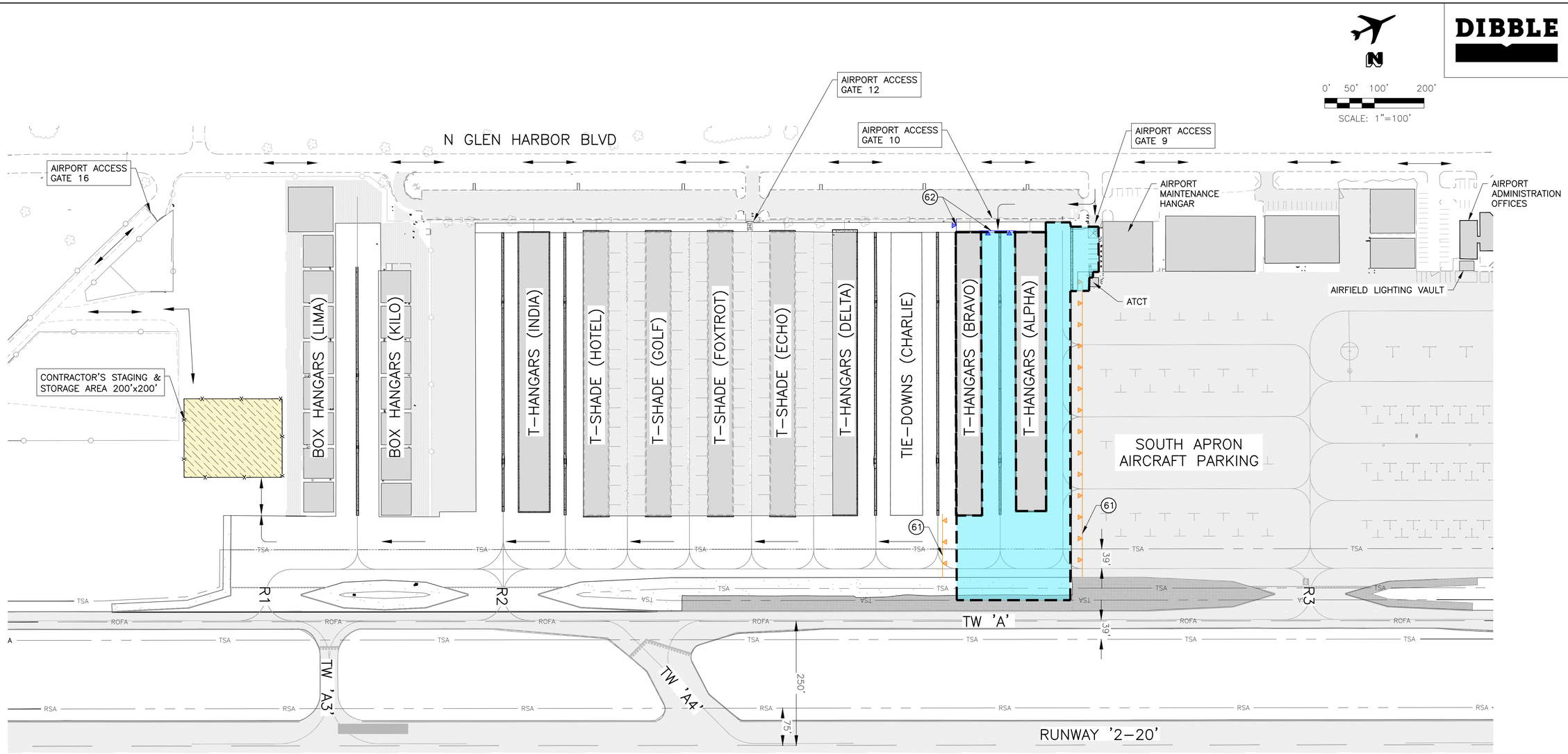

GENERAL PHASING NOTES

1. CONSTRUCTION TRAFFIC SHALL YIELD TO AIRCRAFT TRAFFIC AT ALL TIMES.
2. THE CONTRACTOR, RESIDENT ENGINEER, & AIRPORT REPRESENTATIVE SHALL WALK ALL WORK AREAS PRIOR TO TAXIWAY OR APRON REOPENING TO CONFIRM THAT THE AREA IS READY TO BE OPENED TO AIRCRAFT TRAFFIC.
3. BARRICADE PLACEMENT MAY BE ADJUSTED AT THE DISCRETION OF THE CITY AND/OR AIRPORT STAFF TO ACCOMMODATE SPECIFIC AIRCRAFT MOVEMENT NEEDS.
4. ACCESS GATES MUST EITHER REMAIN CLOSED & LOCKED OR HAVE A CONTRACTOR-PROVIDED GATE GUARD WHEN OPEN (NPI).
5. LOW PROFILE BARRICADES MAY BE SUBSTITUTED WITH WEIGHTED TRAFFIC CONES IF APPROVED BY AIRPORT STAFF.
6. CONTRACTOR WILL BE PROVIDED A KEY FOR DAILY ACCESS TO THE AIRFIELD LIGHTING VAULT.
7. CONTRACTOR'S SUPERINTENDENT & DESIGNATED BACKUP SHALL OBTAIN A SECURITY BADGE FROM THE AIRPORT. SEE SPECIAL PROVISIONS SECTION 60 OPERATIONS, SAFETY & SECURITY, 601.01 AIRPORT SECURITY REQUIREMENTS.

PHASING SCHEDULE

PHASE 1 — 28 CALENDAR DAYS – DAY WORK

PHASING DESCRIPTION OF WORK

PHASE 1 INCLUDES PAVEMENT REMOVAL, GRADING AND DRAINAGE IMPROVEMENTS, NEW CONCRETE RIBBON CURB, NEW CONCRETE VALLEY GUTTER, NEW HANGAR TAXILANE (LIGHT) AND SOUTH APRON TAXILANE (HEAVY) AC PAVEMENT SECTIONS, NEW STABILIZED ASPHALT MILLINGS SHOULDER SECTION, AIRFIELD LIGHTING IMPROVEMENTS, NEW CONCRETE VERTICAL CURB AND GUTTER, NEW PAVEMENT MARKINGS, AND NEW SIGNAGE.

PHASING IMPACTS

1. NORTH/SOUTH FACING ALPHA T-HANGARS AND NORTH FACING BRAVO T-HANGARS NOT ACCESSIBLE DURING PHASE 1.
2. PORTION OF SOUTH APRON TAXILANE CLOSED TO AIRCRAFT OPERATIONS DURING PHASE 1.
3. AIRPORT ACCESS GATE 9 CLOSED TO VEHICLES DURING PHASE 1.
4. ATCT PARKING LOT CLOSED DURING PHASE 1.
5. TAXIWAY A AND RUNWAY 2-20 REMAINS OPEN AT ALL TIMES DURING PHASE 1.
6. PUBLIC ACCESS FOR OPEN HANGARS THROUGH AIRPORT ACCESS GATE 12.

LEGEND

- CONTRACTOR'S STAGING & STORAGE AREA
- CONTRACTOR'S HAUL ROUTE
- LOW PROFILE BARRICADES
- VERTICAL PANEL BARRICADES

CONSTRUCTION NOTES

61	LOW PROFILE BARRICADES W/ OMNIDIRECTIONAL LIGHTS DET 1, GG2.01	NPI
62	VERTICAL PANEL BARRICADES PER MUTCD	NPI

DIBBLE

Glendale ARIZONA

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5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DANIEL H. DANA Date Signed 07/30/26 ARIZONA U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
CONSTRUCTION PHASING PLAN PHASE 1

Scale 1"=100'
Date 7/30/2026

GG2.02

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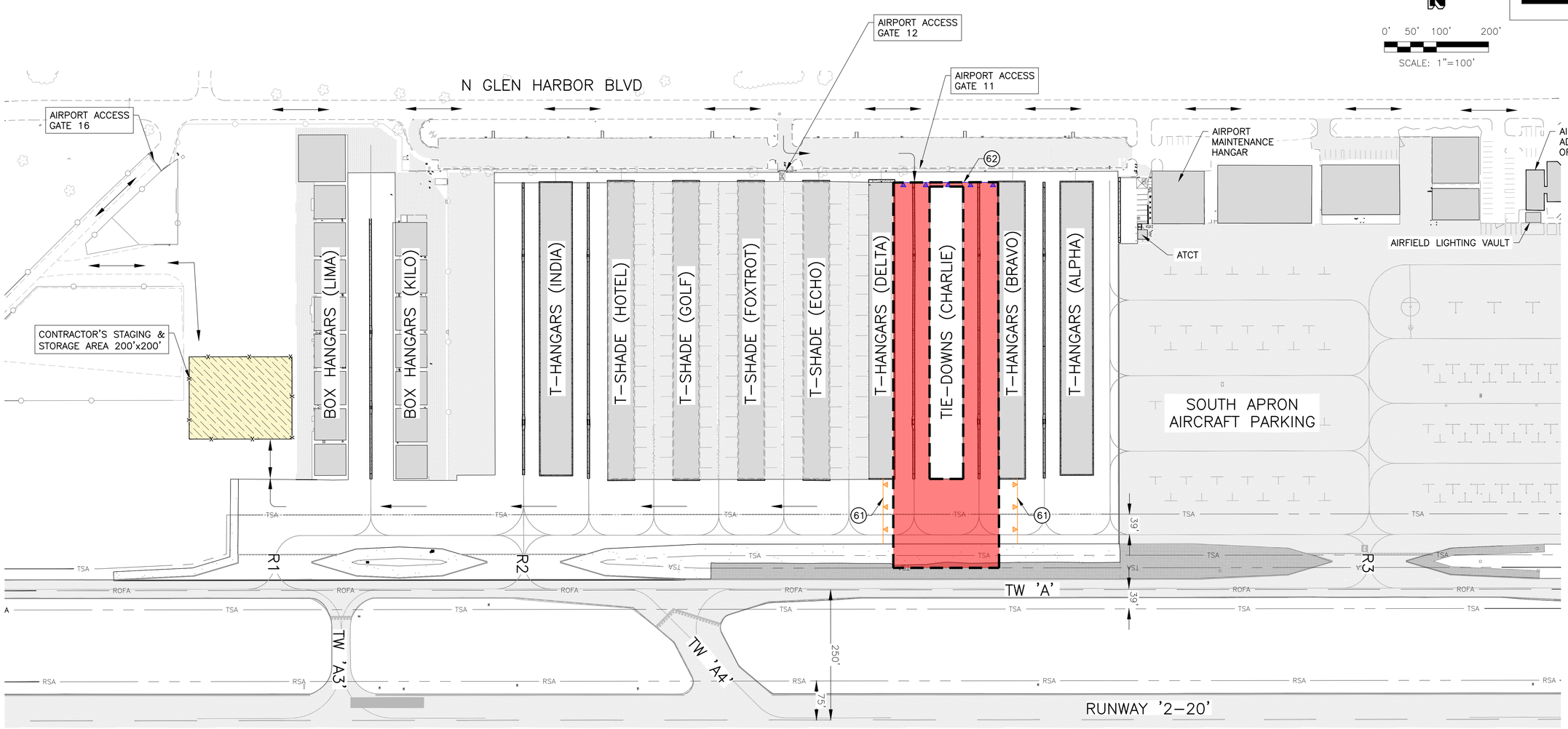

GENERAL PHASING NOTES

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PHASING SCHEDULE

PHASE 2 — 28 CALENDAR DAYS – DAY WORK

PHASING DESCRIPTION OF WORK

PHASE 2 INCLUDES PAVEMENT REMOVAL, GRADING AND DRAINAGE IMPROVEMENTS, NEW CONCRETE RIBBON CURB, NEW CONCRETE VALLEY GUTTER, NEW HANGAR TAXILANE (LIGHT) AND SOUTH APRON TAXILANE (HEAVY) AC PAVEMENT SECTIONS, NEW STABILIZED ASPHALT MILLINGS SHOULDER SECTION, AIRFIELD LIGHTING IMPROVEMENTS, NEW PAVEMENT MARKINGS, AND NEW SIGNAGE.

PHASING IMPACTS

1. SOUTH FACING BRAVO T-HANGARS, NORTH/SOUTH FACING CHARLIE TIE-DOWNS, NORTH FACING DELTA T-HANGARS ARE NOT ACCESSIBLE DURING PHASE 2.
2. SOUTH APRON TAXILANE IS CLOSED FROM BRAVO T-HANGARS TO DELTA T-HANGARS TO AIRCRAFT OPERATIONS DURING PHASE 2.
3. TAXIWAY A AND RUNWAY 2-20 TO REMAIN OPEN AT ALL TIMES DURING PHASE 2.
4. PUBLIC ACCESS FOR OPEN HANGARS THROUGH AIRPORT ACCESS GATE 12.

LEGEND

- CONTRACTOR'S STAGING & STORAGE AREA
- CONTRACTOR'S HAUL ROUTE
- LOW PROFILE BARRICADES
- VERTICAL PANEL BARRICADES

CONSTRUCTION NOTES

61	LOW PROFILE BARRICADES W/ OMNIDIRECTIONAL LIGHTS DET 1, GG2.01	NPI
62	VERTICAL PANEL BARRICADES PER MUTCD	NPI

DIBBLE

Glendale ARIZONA

CITY OF GLENDALE
ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DANIEL H. DANA Date Signed 07/30/26 ARIZONA U.S.A.

No.	Date	Description

REVISIONS

Designed DS
Drawn DSO
Checked VG

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
CONSTRUCTION PHASING PLAN PHASE 2

Scale 1"=100'
Date 7/30/2026

GG2.03

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SHT. 10
OF 86

DSC #

FILE NAME: 1024130.03_GG3_01-06 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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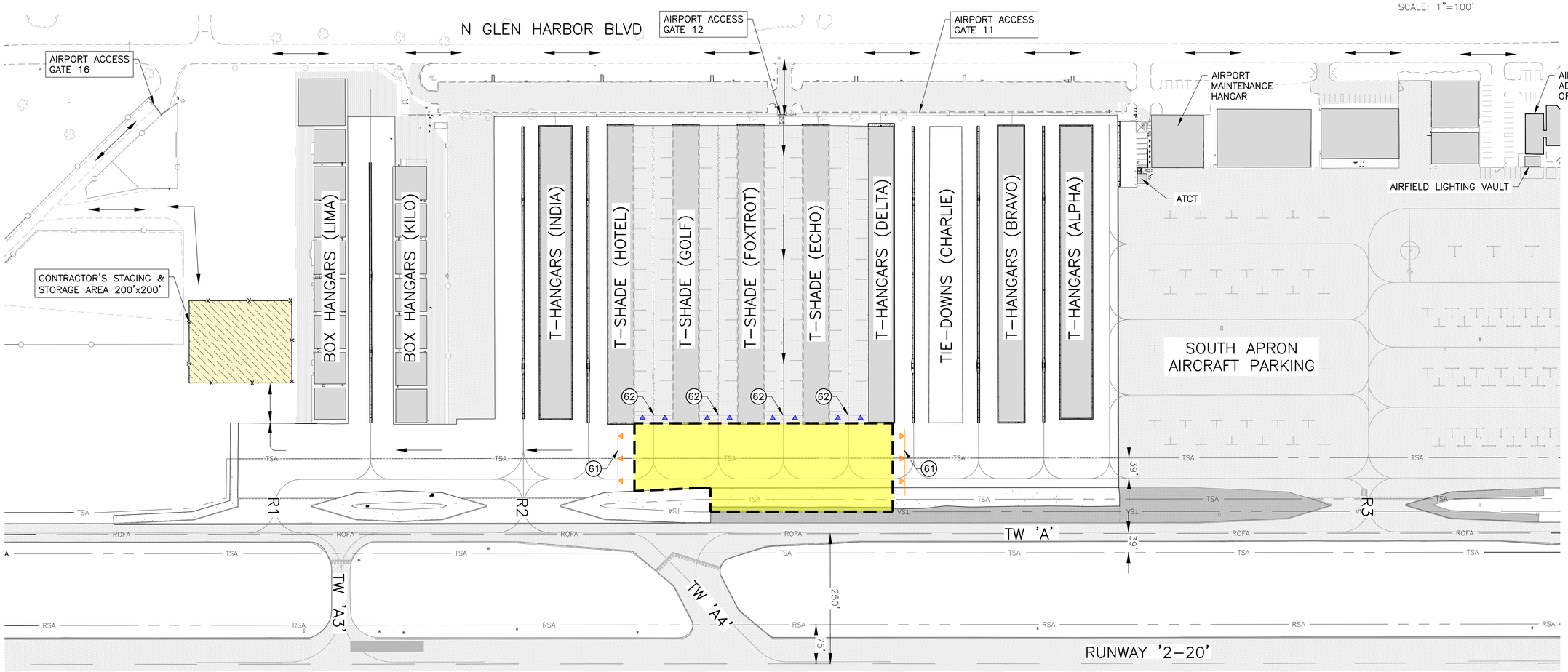

GENERAL PHASING NOTES

1. CONSTRUCTION TRAFFIC SHALL YIELD TO AIRCRAFT TRAFFIC AT ALL TIMES.
2. THE CONTRACTOR, RESIDENT ENGINEER, & AIRPORT REPRESENTATIVE SHALL WALK ALL WORK AREAS PRIOR TO TAXIWAY OR APRON REOPENING TO CONFIRM THAT THE AREA IS READY TO BE OPENED TO AIRCRAFT TRAFFIC.
3. BARRICADE PLACEMENT MAY BE ADJUSTED AT THE DISCRETION OF THE CITY AND/OR AIRPORT STAFF TO ACCOMMODATE SPECIFIC AIRCRAFT MOVEMENT NEEDS.
4. ACCESS GATES MUST EITHER REMAIN CLOSED & LOCKED OR HAVE A CONTRACTOR-PROVIDED GATE GUARD WHEN OPEN (NPI).
5. LOW PROFILE BARRICADES MAY BE SUBSTITUTED WITH WEIGHTED TRAFFIC CONES IF APPROVED BY AIRPORT STAFF.
6. CONTRACTOR WILL BE PROVIDED A KEY FOR DAILY ACCESS TO THE AIRFIELD LIGHTING VAULT.
7. CONTRACTOR'S SUPERINTENDENT & DESIGNATED BACKUP SHALL OBTAIN A SECURITY BADGE FROM THE AIRPORT. SEE SPECIAL PROVISIONS SECTION 60 OPERATIONS, SAFETY & SECURITY, 601.01 AIRPORT SECURITY REQUIREMENTS.

PHASING SCHEDULE

PHASE 3 — 21 CALENDAR DAYS – DAY WORK

PHASING DESCRIPTION OF WORK

PHASE 3 INCLUDES PAVEMENT REMOVAL, GRADING AND DRAINAGE IMPROVEMENTS, NEW CONCRETE RIBBON CURB, NEW HANGAR TAXILANE (LIGHT) AND SOUTH APRON TAXILANE (HEAVY) AC PAVEMENT SECTIONS, NEW STABILIZED ASPHALT MILLINGS SHOULDER SECTION, AIRFIELD LIGHTING IMPROVEMENTS, NEW PAVEMENT MARKINGS, AND NEW SIGNAGE.

PHASING IMPACTS

1. SOUTH FACING DELTA T-HANGARS, NORTH/SOUTH FACING ECHO T-SHADES, NORTH/SOUTH FACING FOXTROT T-SHADES, NORTH/SOUTH FACING GOLF T-SHADES, AND NORTH FACING HOTEL T-SHADES ARE NOT ACCESSIBLE DURING PHASE 3.
2. SOUTH APRON TAXILANE IS CLOSED FROM DELTA T-HANGARS TO HOTEL T-SHADES TO AIRCRAFT OPERATIONS DURING PHASE 3.
3. TAXIWAY A AND RUNWAY 2-20 TO REMAIN OPEN AT ALL TIMES DURING PHASE 3.
4. PUBLIC ACCESS FOR OPEN HANGARS THROUGH AIRPORT ACCESS GATE 11.

LEGEND

- CONTRACTOR'S STAGING & STORAGE AREA
- CONTRACTOR'S HAUL ROUTE
- LOW PROFILE BARRICADES
- VERTICAL PANEL BARRICADES

CONSTRUCTION NOTES

61	LOW PROFILE BARRICADES W/ OMNIDIRECTIONAL LIGHTS DET 1, GG2.01	NPI
62	VERTICAL PANEL BARRICADES PER MUTCD	NPI

DIBBLE

Glendale ARIZONA

CITY OF GLENDALE
ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DANIEL H. DANA Date Signed 07/30/26 Arizona U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
CONSTRUCTION PHASING PLAN PHASE 3

Scale 1"=100'
Date 7/30/2026

GG2.04

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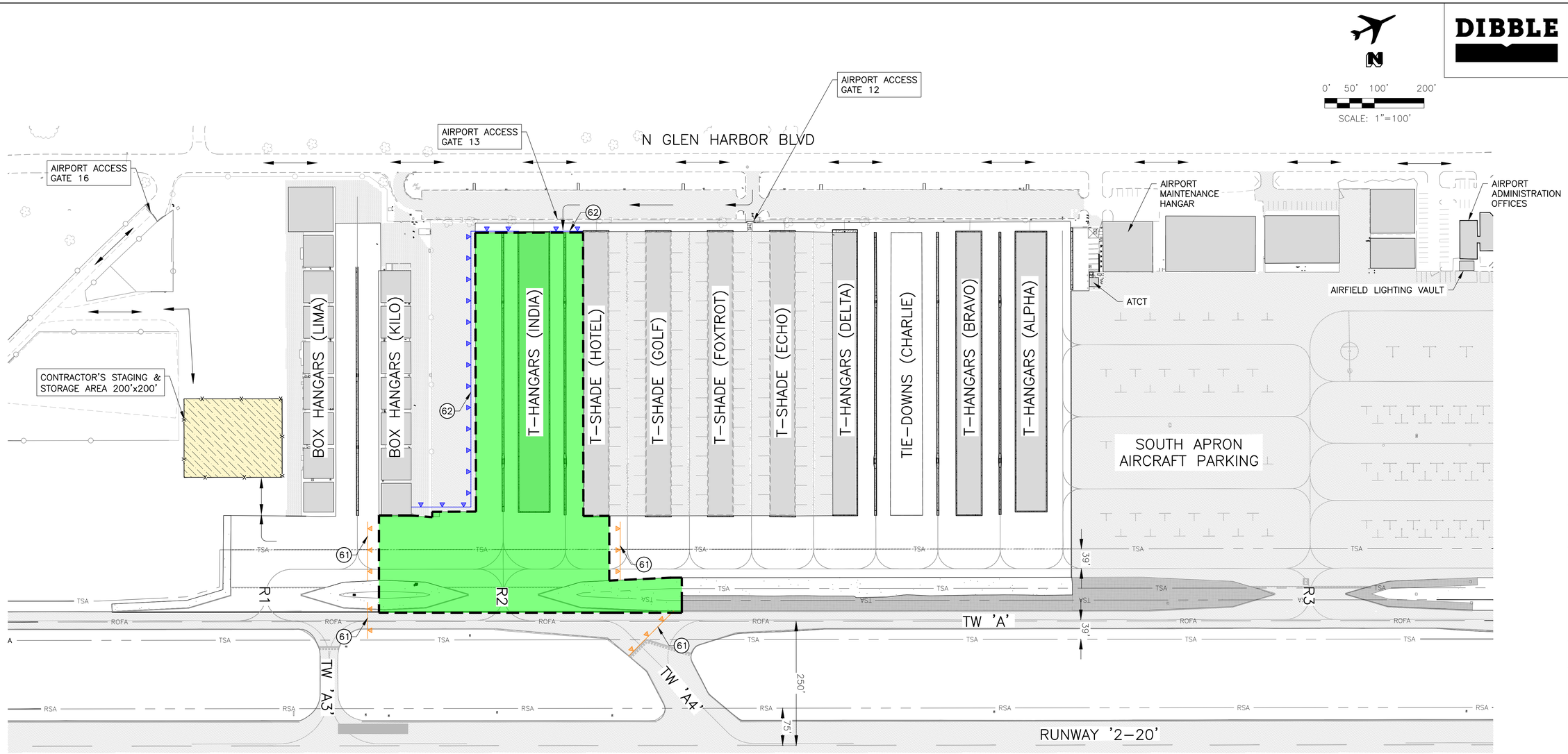

GENERAL PHASING NOTES

1. CONSTRUCTION TRAFFIC SHALL YIELD TO AIRCRAFT TRAFFIC AT ALL TIMES.
2. THE CONTRACTOR, RESIDENT ENGINEER, & AIRPORT REPRESENTATIVE SHALL WALK ALL WORK AREAS PRIOR TO TAXIWAY OR APRON REOPENING TO CONFIRM THAT THE AREA IS READY TO BE OPENED TO AIRCRAFT TRAFFIC.
3. BARRICADE PLACEMENT MAY BE ADJUSTED AT THE DISCRETION OF THE CITY AND/OR AIRPORT STAFF TO ACCOMMODATE SPECIFIC AIRCRAFT MOVEMENT NEEDS.
4. ACCESS GATES MUST EITHER REMAIN CLOSED & LOCKED OR HAVE A CONTRACTOR-PROVIDED GATE GUARD WHEN OPEN (NPI).
5. LOW PROFILE BARRICADES MAY BE SUBSTITUTED WITH WEIGHTED TRAFFIC CONES IF APPROVED BY AIRPORT STAFF.
6. CONTRACTOR WILL BE PROVIDED A KEY FOR DAILY ACCESS TO THE AIRFIELD LIGHTING VAULT.
7. CONTRACTOR'S SUPERINTENDENT & DESIGNATED BACKUP SHALL OBTAIN A SECURITY BADGE FROM THE AIRPORT. SEE SPECIAL PROVISIONS SECTION 60 OPERATIONS, SAFETY & SECURITY, 601.01 AIRPORT SECURITY REQUIREMENTS.

PHASING SCHEDULE

PHASE 4 — 28 CALENDAR DAYS – DAY WORK

PHASING DESCRIPTION OF WORK

PHASE 4 INCLUDES PAVEMENT REMOVAL, GRADING AND DRAINAGE IMPROVEMENTS, NEW CONCRETE RIBBON CURB, NEW CONCRETE VALLEY GUTTER, NEW HANGAR TAXILANE (LIGHT) AND SOUTH APRON TAXILANE (HEAVY) AC PAVEMENT SECTIONS, NEW STABILIZED ASPHALT MILLINGS SHOULDER SECTION, AIRFIELD LIGHTING AND SIGNAGE IMPROVEMENTS, NEW PAVEMENT MARKINGS, AND NEW SIGNAGE.

PHASING IMPACTS

1. SOUTH FACING HOTEL T-SHADES AND NORTH/SOUTH FACING INDIA T-HANGARS ARE NOT ACCESSIBLE DURING PHASE 4.
2. SOUTH APRON TAXILANE IS CLOSED FROM HOTEL T-SHADES TO KILO BOX HANGARS TO AIRCRAFT OPERATIONS DURING PHASE 4.
3. APRON CONNECTOR R2 IS CLOSED TO AIRCRAFT OPERATIONS DURING PHASE 4.
4. TAXIWAY A IS CLOSED FROM TAXIWAY A3 TO A4 TO AIRCRAFT OPERATIONS DURING PHASE 4.
5. RUNWAY 2-20 TO REMAIN OPEN AT ALL TIMES DURING PHASE 4.
6. PUBLIC ACCESS FOR OPEN HANGARS THROUGH AIRPORT ACCESS GATE 12.

LEGEND

- CONTRACTOR'S STAGING & STORAGE AREA
- CONTRACTOR'S HAUL ROUTE
- LOW PROFILE BARRICADES
- VERTICAL PANEL BARRICADES

CONSTRUCTION NOTES

61	LOW PROFILE BARRICADES W/ OMNIDIRECTIONAL LIGHTS DET 1, GG2.01	NPI
62	VERTICAL PANEL BARRICADES PER MUTCD	NPI

DIBBLE

Glendale ARIZONA

CITY OF GLENDALE
ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DANIEL H. DANA Date Signed 07/30/26 Arizona U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
CONSTRUCTION PHASING PLAN PHASE 4

Scale 1"=100'
Date 7/30/2026

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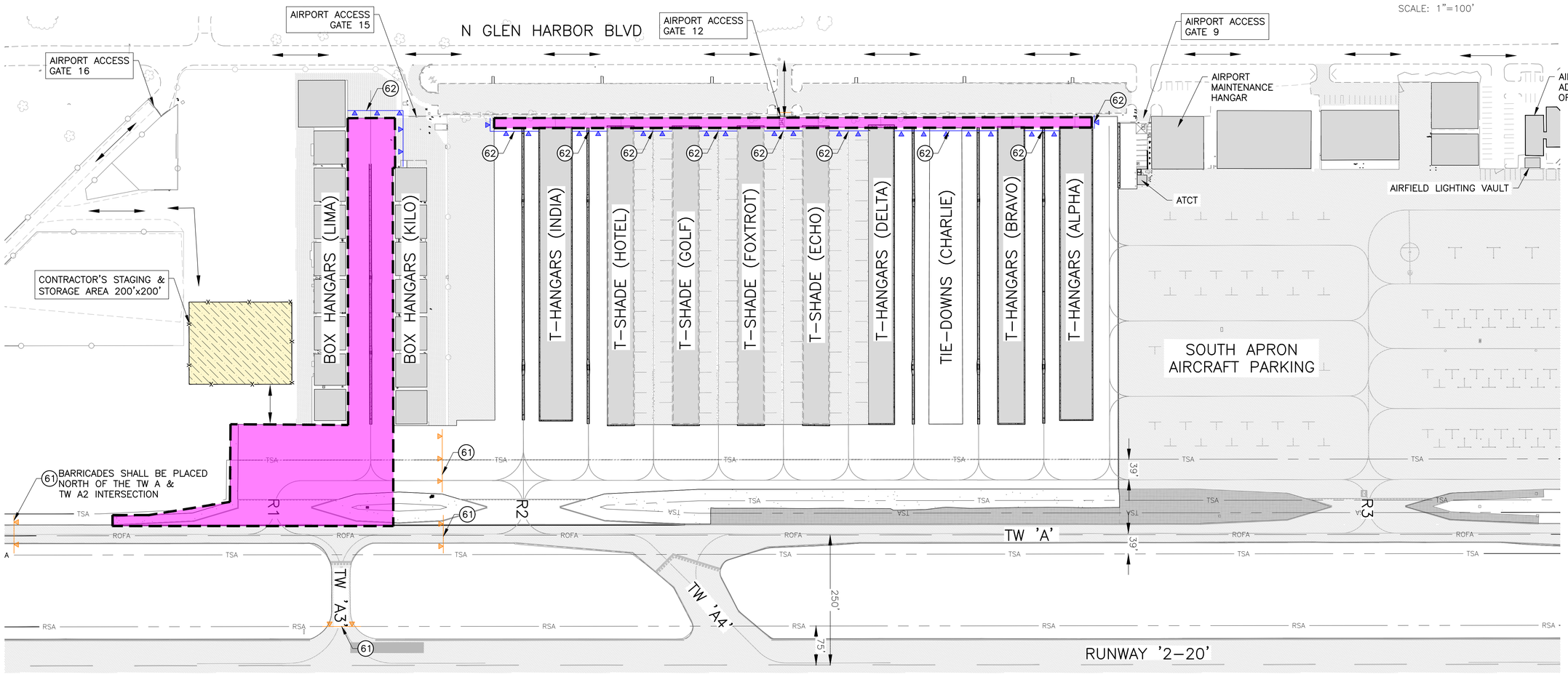

GENERAL PHASING NOTES

1. CONSTRUCTION TRAFFIC SHALL YIELD TO AIRCRAFT TRAFFIC AT ALL TIMES.
2. THE CONTRACTOR, RESIDENT ENGINEER, & AIRPORT REPRESENTATIVE SHALL WALK ALL WORK AREAS PRIOR TO TAXIWAY OR APRON REOPENING TO CONFIRM THAT THE AREA IS READY TO BE OPENED TO AIRCRAFT TRAFFIC.
3. BARRICADE PLACEMENT MAY BE ADJUSTED AT THE DISCRETION OF THE CITY AND/OR AIRPORT STAFF TO ACCOMMODATE SPECIFIC AIRCRAFT MOVEMENT NEEDS.
4. ACCESS GATES MUST EITHER REMAIN CLOSED & LOCKED OR HAVE A CONTRACTOR-PROVIDED GATE GUARD WHEN OPEN (NPI).
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6. CONTRACTOR WILL BE PROVIDED A KEY FOR DAILY ACCESS TO THE AIRFIELD LIGHTING VAULT.
7. CONTRACTOR'S SUPERINTENDENT & DESIGNATED BACKUP SHALL OBTAIN A SECURITY BADGE FROM THE AIRPORT. SEE SPECIAL PROVISIONS SECTION 60 OPERATIONS, SAFETY & SECURITY, 601.01 AIRPORT SECURITY REQUIREMENTS.

PHASING SCHEDULE

PHASE 5	28 CALENDAR DAYS – DAY WORK	

PHASING DESCRIPTION OF WORK

PHASE 5 INCLUDES PAVEMENT REMOVAL, GRADING AND DRAINAGE IMPROVEMENTS, NEW CONCRETE VALLEY GUTTER, NEW HANGAR TAXILANE (LIGHT) AND SOUTH APRON TAXILANE (HEAVY) AC PAVEMENT SECTIONS, NEW STABILIZED ASPHALT MILLINGS SHOULDER SECTION, AIRFIELD LIGHTING AND SIGNAGE IMPROVEMENTS, AND NEW PAVEMENT MARKINGS.

PHASING IMPACTS

1. NORTH/SOUTH BOX HANGARS ARE NOT ACCESSIBLE DURING PHASE 5.
2. SOUTH APRON TAXILANE IS CLOSED SOUTH OF KILO BOX HANGARS TO AIRCRAFT OPERATIONS DURING PHASE 5.
3. APRON CONNECTOR R1 IS CLOSED TO AIRCRAFT OPERATIONS DURING PHASE 5.
4. TAXIWAY A IS CLOSED FROM TAXIWAY A2 TO A3 TO AIRCRAFT OPERATIONS DURING PHASE 5.
5. RUNWAY 2-20 TO REMAIN OPEN AT ALL TIMES DURING PHASE 5.
6. PUBLIC ACCESS FOR OPEN HANGARS THROUGH AIRPORT ACCESS GATE 9.

LEGEND

- CONTRACTOR'S STAGING & STORAGE AREA
- CONTRACTOR'S HAUL ROUTE
- LOW PROFILE BARRICADES
- VERTICAL PANEL BARRICADES

CONSTRUCTION NOTES

61	LOW PROFILE BARRICADES W/ OMNIDIRECTIONAL LIGHTS DET 1, GG2.01	NPI
62	VERTICAL PANEL BARRICADES PER MUTCD	NPI

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Glendale ARIZONA

CITY OF GLENDALE
ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DANIEL H. DANA Date Signed 07/30/26 ARIZONA U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
CONSTRUCTION PHASING PLAN PHASE 5

Scale 1"=100'
Date 7/30/2026

GG2.06

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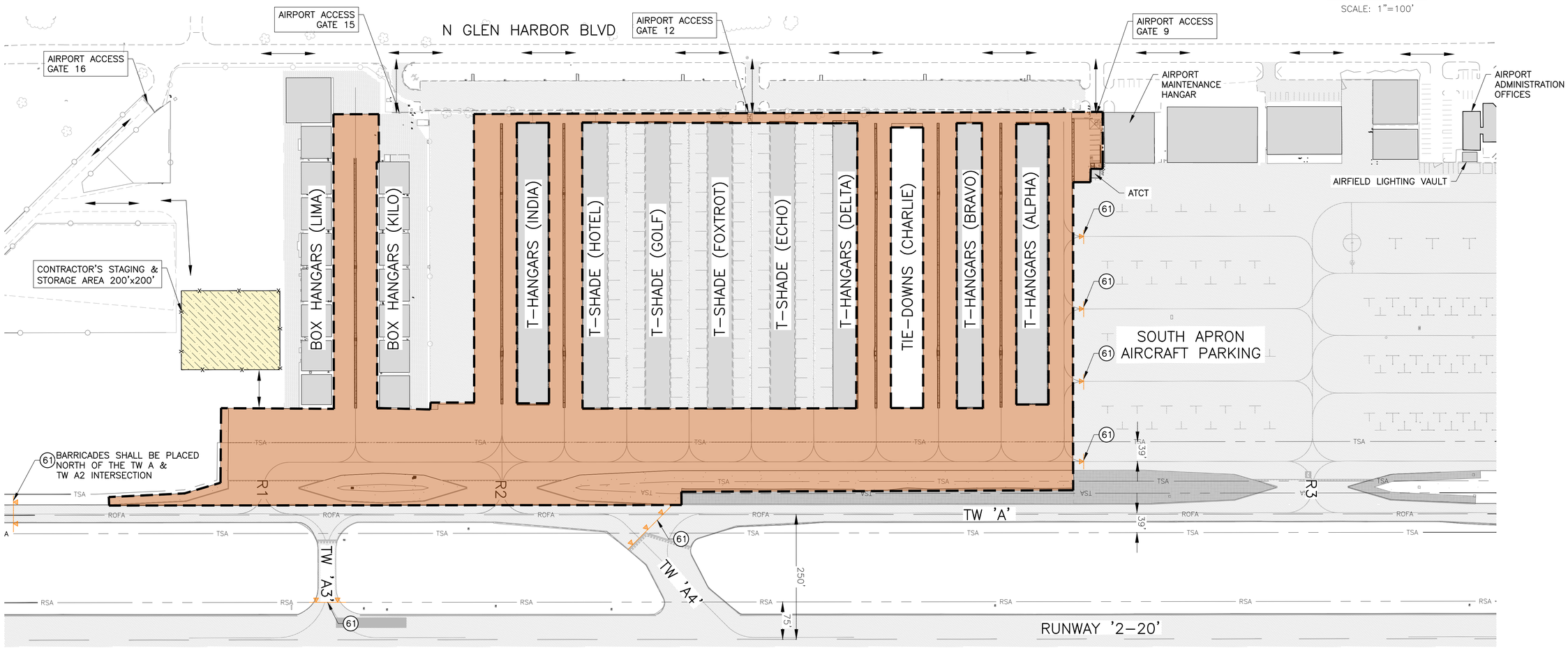

GENERAL PHASING NOTES

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2. THE CONTRACTOR, RESIDENT ENGINEER, & AIRPORT REPRESENTATIVE SHALL WALK ALL WORK AREAS PRIOR TO TAXIWAY OR APRON REOPENING TO CONFIRM THAT THE AREA IS READY TO BE OPENED TO AIRCRAFT TRAFFIC.
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7. CONTRACTOR'S SUPERINTENDENT & DESIGNATED BACKUP SHALL OBTAIN A SECURITY BADGE FROM THE AIRPORT. SEE SPECIAL PROVISIONS SECTION 60 OPERATIONS, SAFETY & SECURITY, 601.01 AIRPORT SECURITY REQUIREMENTS.

PHASING SCHEDULE

	PHASE 6	5 CALENDAR DAYS – DAY WORK

PHASING DESCRIPTION OF WORK

PHASE 6 INCLUDES FINAL APPLICATION OF PAVEMENT MARKINGS AND PUNCH LIST WORK.

PHASING IMPACTS

1. FINAL APPLICATION OF PAVEMENT MARKINGS SHALL BE PERFORMED ON A PULL-BACK BASIS TO ACCOMMODATE AIRCRAFT OPERATIONS AS REQUIRED.
2. LIMITED ROLLING CLOSURES OF SOUTH APRON TAXILANES AND T-HANGAR/T-SHADE ACCESS DURING PHASE 6.
3. TAXIWAY A AND RUNWAY 2-20 REMAIN OPEN AT ALL TIMES DURING PHASE 6.

LEGEND

- CONTRACTOR'S STAGING & STORAGE AREA
- CONTRACTOR'S HAUL ROUTE
- LOW PROFILE BARRICADES

CONSTRUCTION NOTES

61	LOW PROFILE BARRICADES W/ OMNIDIRECTIONAL LIGHTS DET 1, GG2.01	NPI

DIBBLE

Glendale ARIZONA

CITY OF GLENDALE
ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DANIEL H. DANA Date Signed 07/30/26 Arizona U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
CONSTRUCTION PHASING PLAN PHASE 6

Scale 1"=100'
Date 7/30/2026

GG2.07

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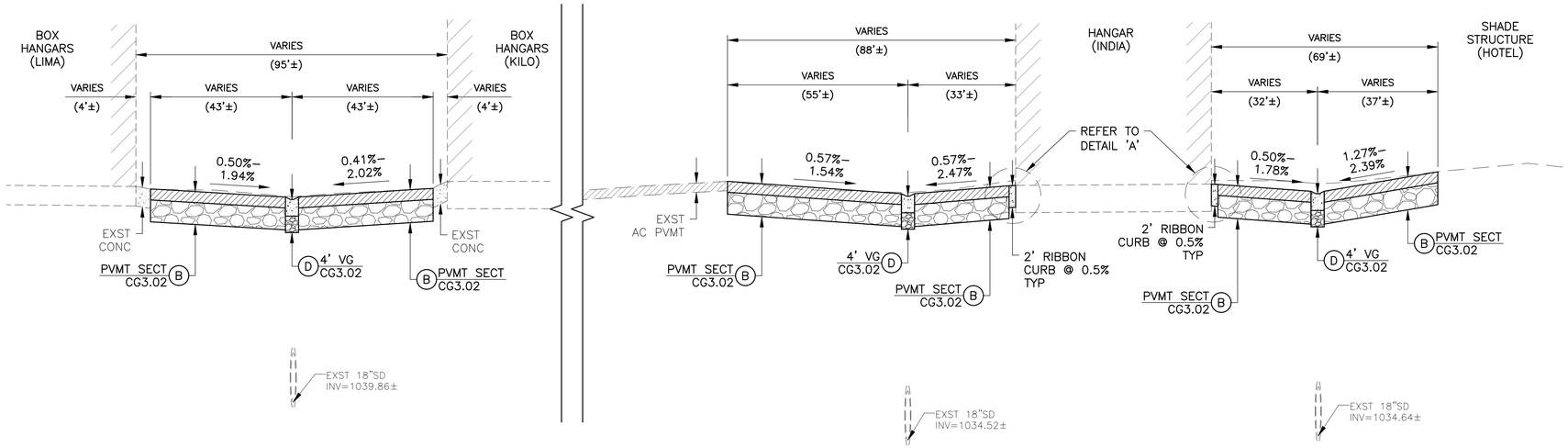
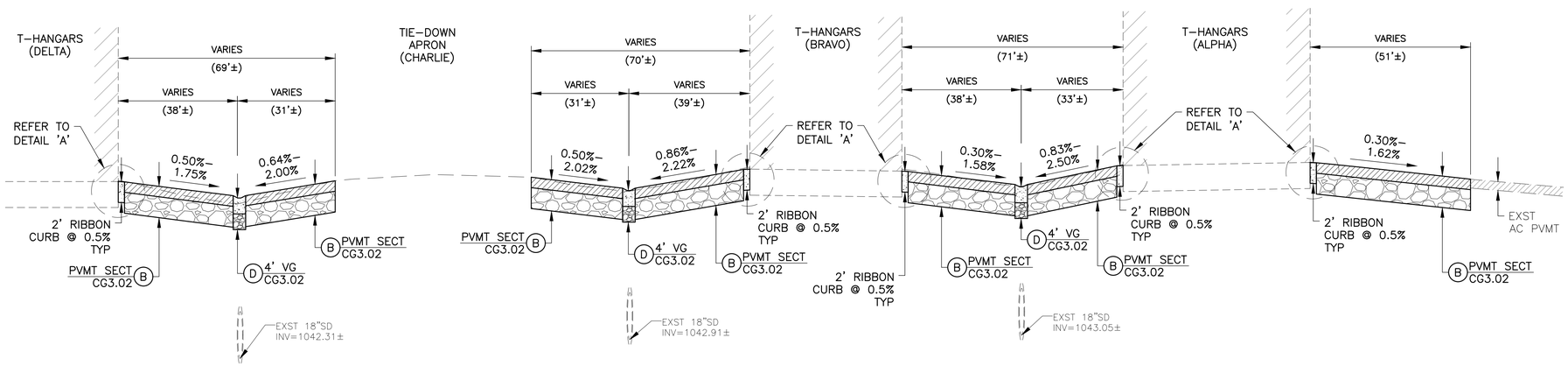


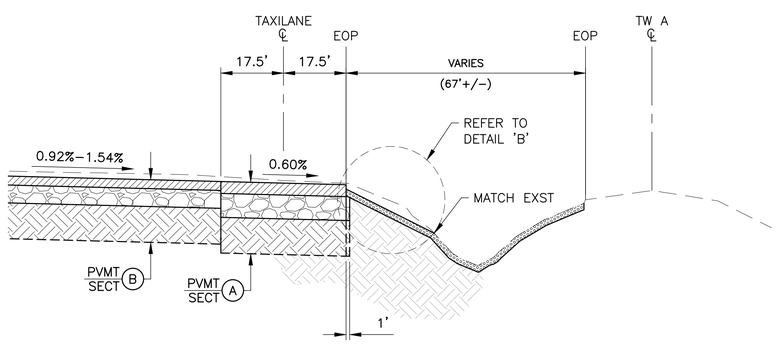
SECTION A–A

DWG GG1.06 SCALE: 1"=20' (H) 1"=2' (V)



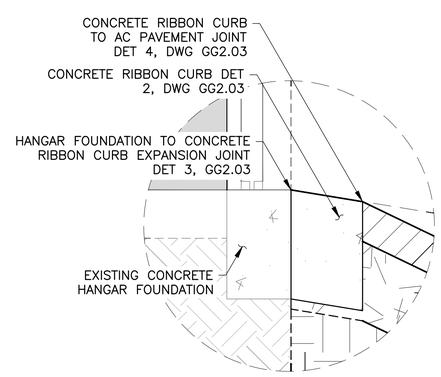
SECTION B–B

DWG GG1.06 SCALE: 1"=20' (H) 1"=2' (V)

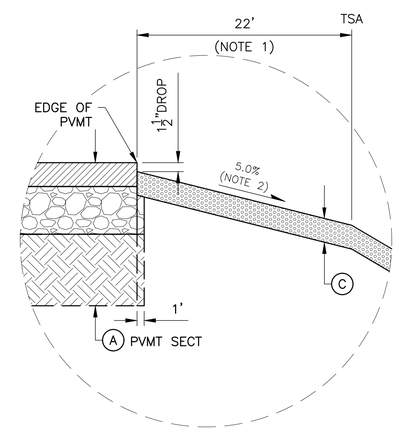


SECTION C–C

DWG GG1.06 SCALE: 1"=20' (H) 1"=2' (V)



DETAIL 'A'



NOTES:
1. PRIOR TO PLACING MILLINGS, CONTRACTOR SHALL REMOVE UNSUITABLE MATERIALS, VEGETATION, AND TOPSOIL FROM THE TAXIWAY SHOULDER AREA.
2. CONTRACTOR TO MAINTAIN A 5.0% GRADE FOR 22' OF UNPAVED SURFACE ADJACENT TO THE PAVED SURFACE.
3. MILLINGS SHALL BE 2'' MINUS IN GRADATION

DETAIL 'B'

DIBBLE

Glendale ARIZONA

CITY OF GLENDALE
ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DANIEL H. DANA Date Signed 07/30/26 Arizona U.S.A.

Designed	DS
Drawn	DSO
Checked	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
TYPICAL SECTIONS & DETAILS 1

Scale NTS
Date 7/30/2026

GG3.01

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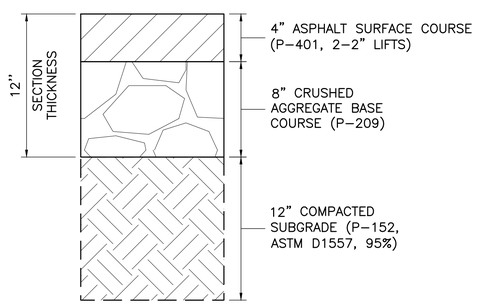
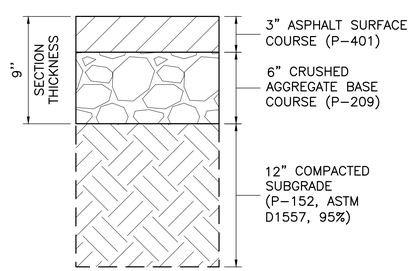
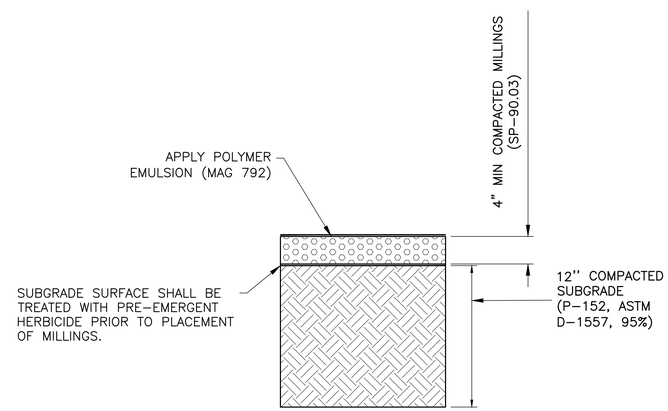


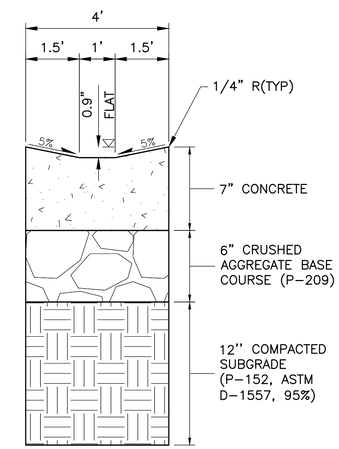
A HEAVY AC PAVEMENT SECTION
NTS



B LIGHT AC PAVEMENT SECTION
NTS



C STABILIZED ASPHALT MILLINGS SHOULDER SECTION
NTS



D CONCRETE VALLEY GUTTER SECTION
NTS

CONCRETE VALLEY GUTTER NOTES:

1. CONCRETE SHALL BE CLASS 'AA' PER MAG 725 AND INSTALLED PER MAG 505.
2. CONCRETE CONTRACTION JOINTS MAY BE TOOLED.
3. CONCRETE EXPANSION JOINTS SHALL BE PER DET 5 DWG GG3.03.
4. PROVIDE 10-FOOT LONG GRADE TRANSITION AND END OF ALL VALLEY GUTTERS AND AT ALL CATCH BASINS

DIBBLE

CITY OF GLENDALE
ENGINEERING DEPARTMENT
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GLENDALE, ARIZONA 85301 (623) 930-3630
Glendale ARIZONA

Registered Professional Engineer (Civil) 47425 DANIEL H. DANA Date Signed 07/30/26 ARIZONA U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
TYPICAL SECTIONS & DETAILS 2

Scale NTS
Date 7/30/2026

GG3.02

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FILE NAME: 20058_14-GG2_01X PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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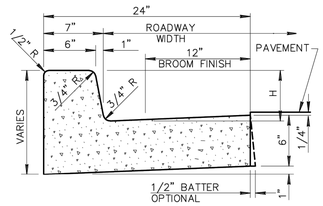
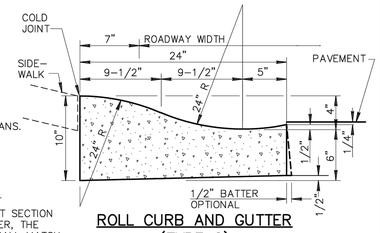


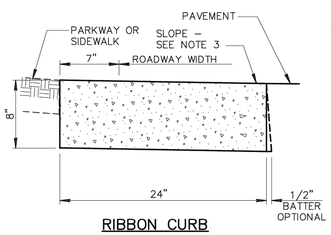
VERTICAL CURB AND GUTTER
(TYPE A)

NOTES: (TYPE A)

1. ALL EXPOSED SURFACES TO BE TROWEL FINISHED EXCEPT AS SHOWN. SEE SECT. 340.
2. H=6" OR AS SPECIFIED ON PLANS.
3. CONTRACTION JOINT SPACING 10' MAXIMUM.
4. EXPANSION JOINTS AS PER SECT. 340.
5. ~~CLASS 'B' CONCRETE PER 725.~~
6. WHEN THE ADJACENT PAVEMENT SECTION SLOPES AWAY FROM THE GUTTER, THE SLOPE OF THE GUTTER PAN SHALL MATCH PAVEMENT CROSS SLOPE.



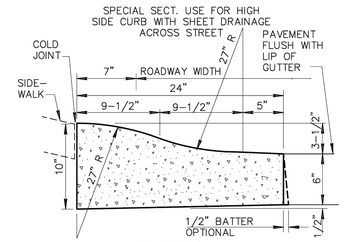
ROLL CURB AND GUTTER
(TYPE C)



RIBBON CURB
(TYPE B)

NOTES: (TYPE B)

1. CONSTRUCT CURB AND INSTALL 1/2" MASTIC EXPANSION JOINTS, A.S.T.M. D-1751. SECT. 340.
2. BROOM FINISH ALL SURFACES.
3. ~~RIBBON CURB MAY SLOPE TOWARDS PAVEMENT OR PARKWAY AS INDICATED ON PLANS.~~
4. CONTRACTION JOINT SPACING 10' MAXIMUM.
5. ~~CONCRETE SHALL BE CLASS 'B' PER SECT. 725 AND INSTALLED PER SECT. 505.~~



(TYPE D)

NOTES: (C & D)

1. ALL WORK AND MATERIALS SHALL CONFORM TO SECT. 340, 505 AND 725. BROOM FINISH TO EXPOSED SURFACE.
2. CONTRACTION JOINT SPACING 10' MAXIMUM.
3. EXPANSION JOINTS AS PER SECT. 340.
4. CLASS 'B' CONCRETE PER 725.

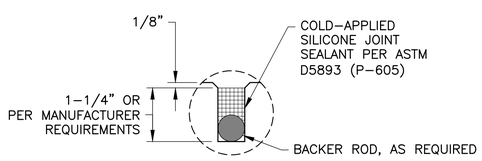
DETAIL NO.			REVISED	DETAIL NO.
220–1	MARICOPA ASSOCIATION of GOVERNMENTS STANDARD DETAIL ENGLISH	CURB AND GUTTER TYPES A, B, C AND D	01–01–2021	220–1

1 VERTICAL CURB & GUTTER (TYPE A)
MAG STD DET 220–1, TYPE A (MOD) NTS

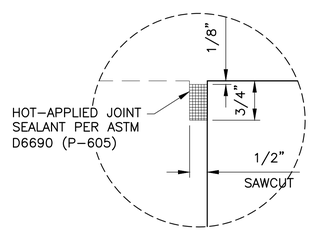
2 CONCRETE RIBBON CURB (TYPE B)
MAG STD DET 220–1, TYPE B (MOD) NTS

CURB & GUTTER GENERAL NOTES:

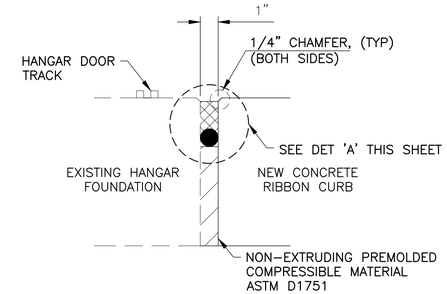
1. CONCRETE RIBBON CURB GRADE SHALL SLOPE 0.5% AWAY FROM BUILDING AS INDICATED ON PLANS.
2. REFER TO JOINT DETAILS 3, 4, & 5, THIS DWG.
3. PLACE 6" CRUSHED AGGREGATE BASE COURSE (P–209) ON 12" COMPACTED SUBGRADE (P–152, ASTM D–1557, 95%).
4. CONCRETE SHALL BE CLASS 'AA' PER SECT. 725 AND INSTALLED PER SECT. 505.
5. CONCRETE CONTRACTION JOINTS MAY BE TOOLED.



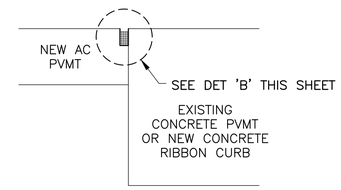
A DETAIL 'A'
NTS



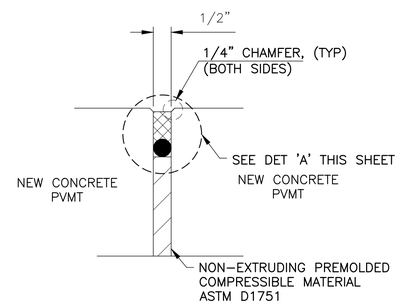
B DETAIL 'B'
NTS



3 HANGAR FOUNDATION TO CONCRETE RIBBON CURB EXPANSION JOINT
NTS

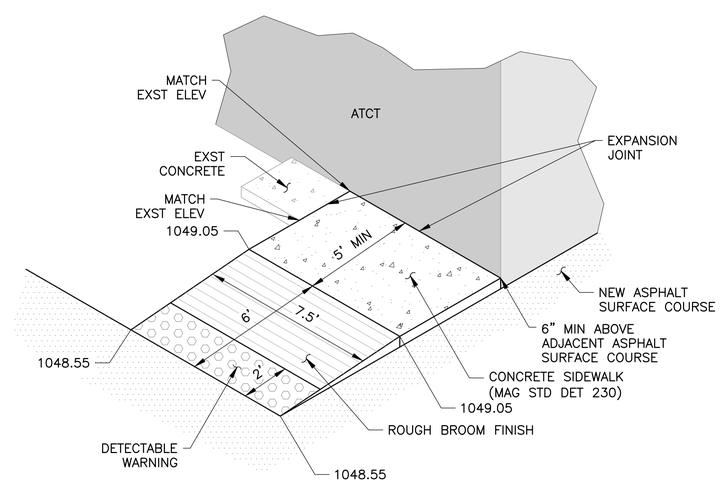


4 CONCRETE TO AC PAVEMENT JOINT
NTS



NOTE:
1. MAXIMUM DISTANCE BETWEEN EXPANSION JOINTS SHALL BE 50 FEET.

5 CONCRETE EXPANSION JOINT
NTS



6 CONCRETE SIDEWALK W/CURB RAMP
NTS

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ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DANIEL H. DANA Date Signed 07/30/26 Arizona U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
TYPICAL SECTIONS & DETAILS 3

Scale NTS
Date 7/30/2026

GG3.03

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SHT. 17
OF 86

FILE NAME: 20058_14-GG2_01X PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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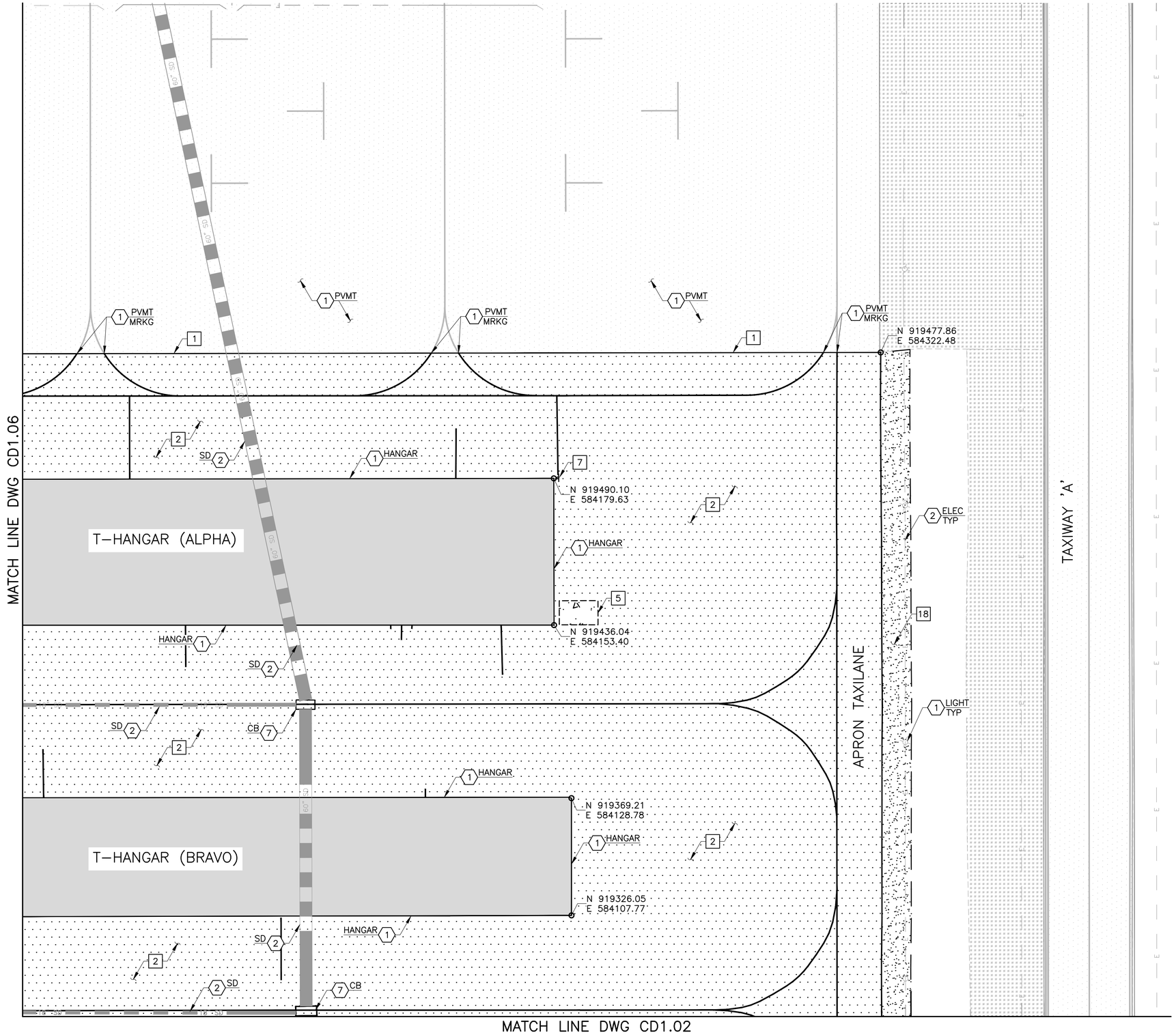


0' 10' 20' 40'

SCALE: 1"=20'

REMOVAL NOTES

1	SAWCUT AC PAVEMENT (FULL DEPTH)	351	LF
2	REMOVE AC PAVEMENT (FULL DEPTH, ±2.5")	7,934	SY
5	REMOVE CONCRETE PAD	157	SF
7	REMOVE SIGN & POST	1	EA
18	REMOVE STABILIZED AC MILLINGS (FULL DEPTH ±2")	364	SY

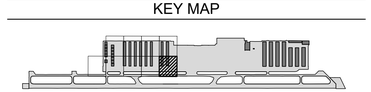
REFERENCE NOTES

1. PROTECT IN PLACE
2. VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION, PROTECT IN PLACE
7. ADJUST CATCH BASIN TO GRADE REFER TO DWG CG1.01–CG1.09 FOR PAVEMENT & GRADING PLAN

LEGEND

- EXISTING AC PAVEMENT
- EXISTING MILLINGS
- REMOVE AC PAVEMENT (FULL DEPTH, ±2.5")
- REMOVE CONCRETE PAD
- REMOVE STABILIZED AC MILLINGS (FULL DEPTH ±2")

KEY MAP



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ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DANIEL H. DANA Date Signed 07/30/26 ARIZONA U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
DEMOLITION PLAN 1

Scale 1"-20'
Date 7/30/2026

CD1.01

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SHT. 18
OF 86

FILE NAME: 20058_14-CD1_01-02 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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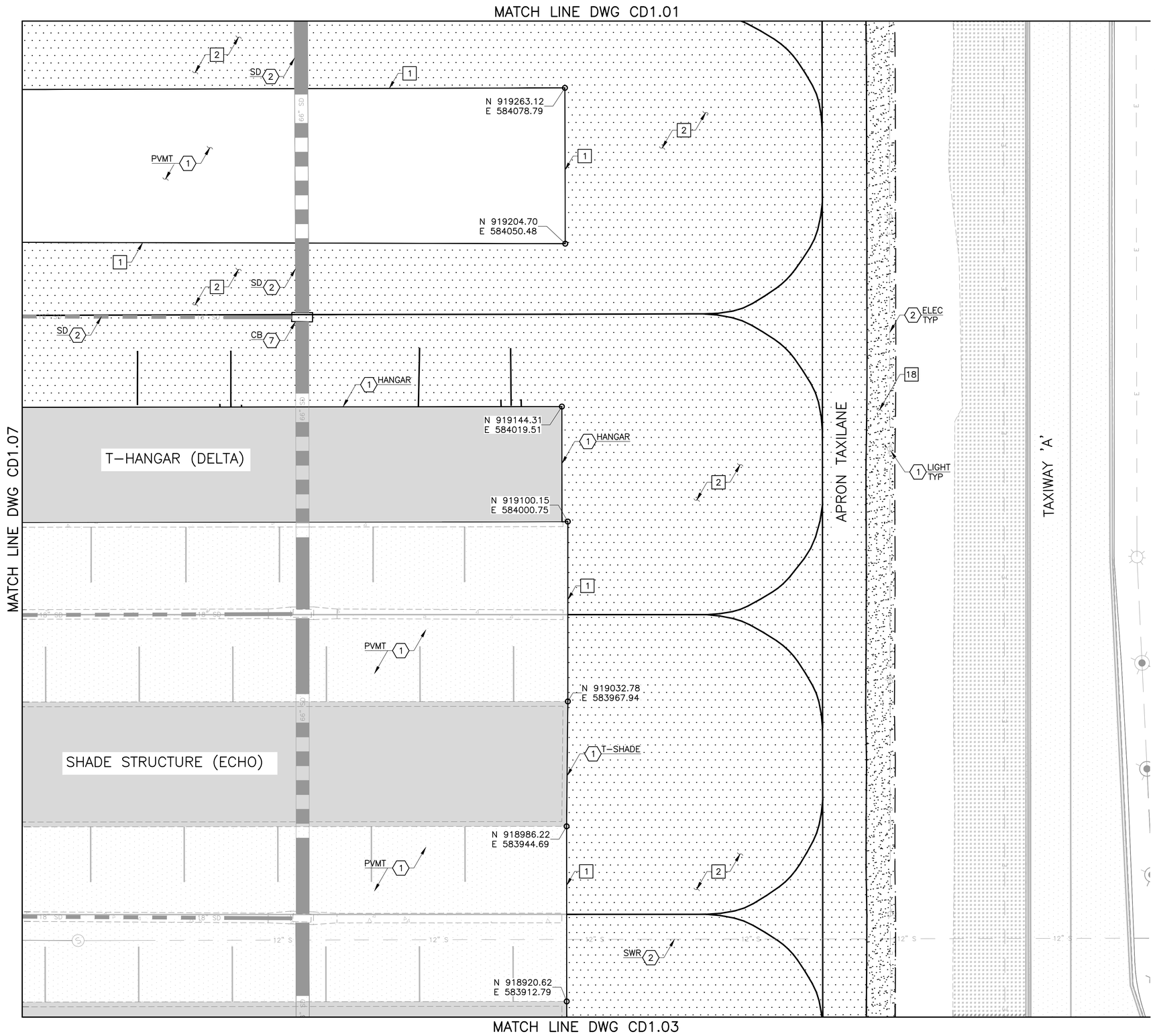


0' 10' 20' 40'

SCALE: 1"=20'

DIBBLE

REMOVAL NOTES

1	SAWCUT AC PAVEMENT (FULL DEPTH)	668 LF
2	REMOVE AC PAVEMENT (FULL DEPTH, ±2.5")	8,202 SY
18	REMOVE STABILIZED AC MILLINGS (FULL DEPTH ±2")	554 SY

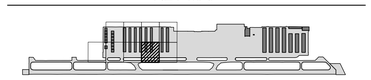
REFERENCE NOTES

1. PROTECT IN PLACE
2. VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION, PROTECT IN PLACE
7. ADJUST CATCH BASIN TO GRADE REFER TO DWG CG1.01–CG1.09 FOR PAVEMENT & GRADING PLAN

LEGEND

- EXISTING AC PAVEMENT
- EXISTING CONCRETE
- REMOVE AC PAVEMENT (FULL DEPTH, ±2.5")
- REMOVE STABILIZED AC MILLINGS (FULL DEPTH ±2")

KEY MAP



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ENGINEERING DEPARTMENT
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GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DANIEL H. DANA Date Signed 07/30/26 ARIZONA U.S.A.

Designed DS
Drawn DSO
Checked VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
DEMOLITION PLAN 2

Scale 1"-20'
Date 7/30/2026

CD1.02

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OF 86

DSC # ------

FILE NAME: 20058_14-CD1_03-04 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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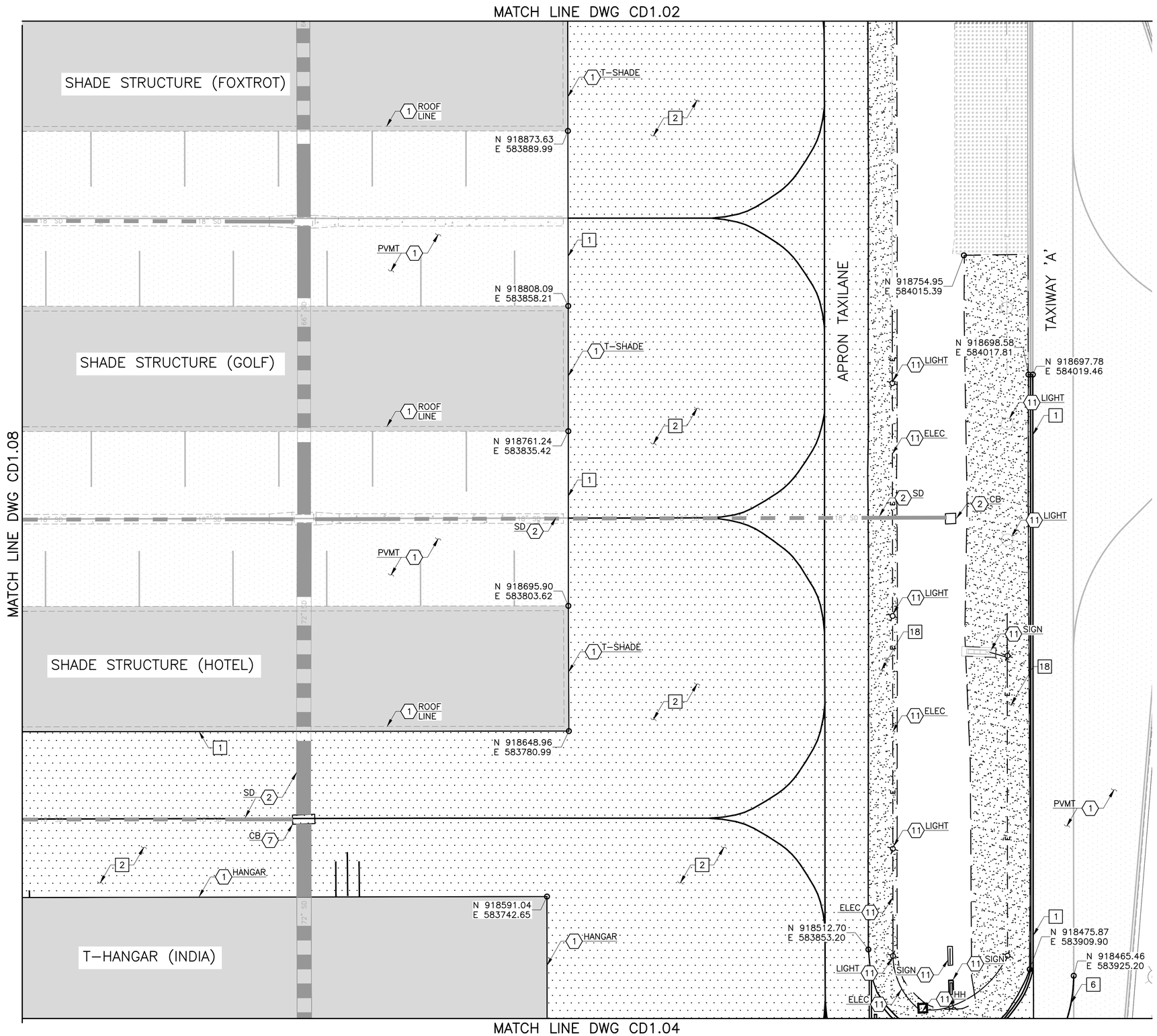


DIBBLE

REMOVAL NOTES

1	SAWCUT AC PAVEMENT (FULL DEPTH)	416 LF
2	REMOVE AC PAVEMENT (FULL DEPTH, ±2.5")	7,615 SY
6	OBLITERATE PAVEMENT MARKINGS	9 SF
18	REMOVE STABILIZED AC MILLINGS (FULL DEPTH ±2")	1,478 SY

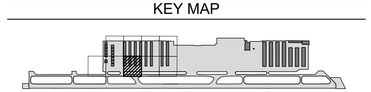
REFERENCE NOTES

1. PROTECT IN PLACE
2. VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION, PROTECT IN PLACE
7. ADJUST CATCH BASIN TO GRADE REFER TO DWG CG1.01–CG1.09 FOR PAVEMENT & GRADING PLAN
11. REFER TO DWG E2.1–E2.3 FOR AIRFIELD ELECTRICAL DEMOLITION PLAN

LEGEND

- EXISTING AC PAVEMENT
- EXISTING MILLINGS
- REMOVE AC PAVEMENT (FULL DEPTH, ±2.5")
- REMOVE STABILIZED AC MILLINGS (FULL DEPTH ±2")

KEY MAP



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ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DANIE H. DANA Date Signed 07/30/26 ARIZONA U.S.A.

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DS	DSO	VG

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No.	Date	Description

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
DEMOLITION PLAN 3

Scale 1"-20'
Date 7/30/2026

CD1.03

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SHT. 20
OF 86

DSC #

FILE NAME: 20058_14-CD1_05-06 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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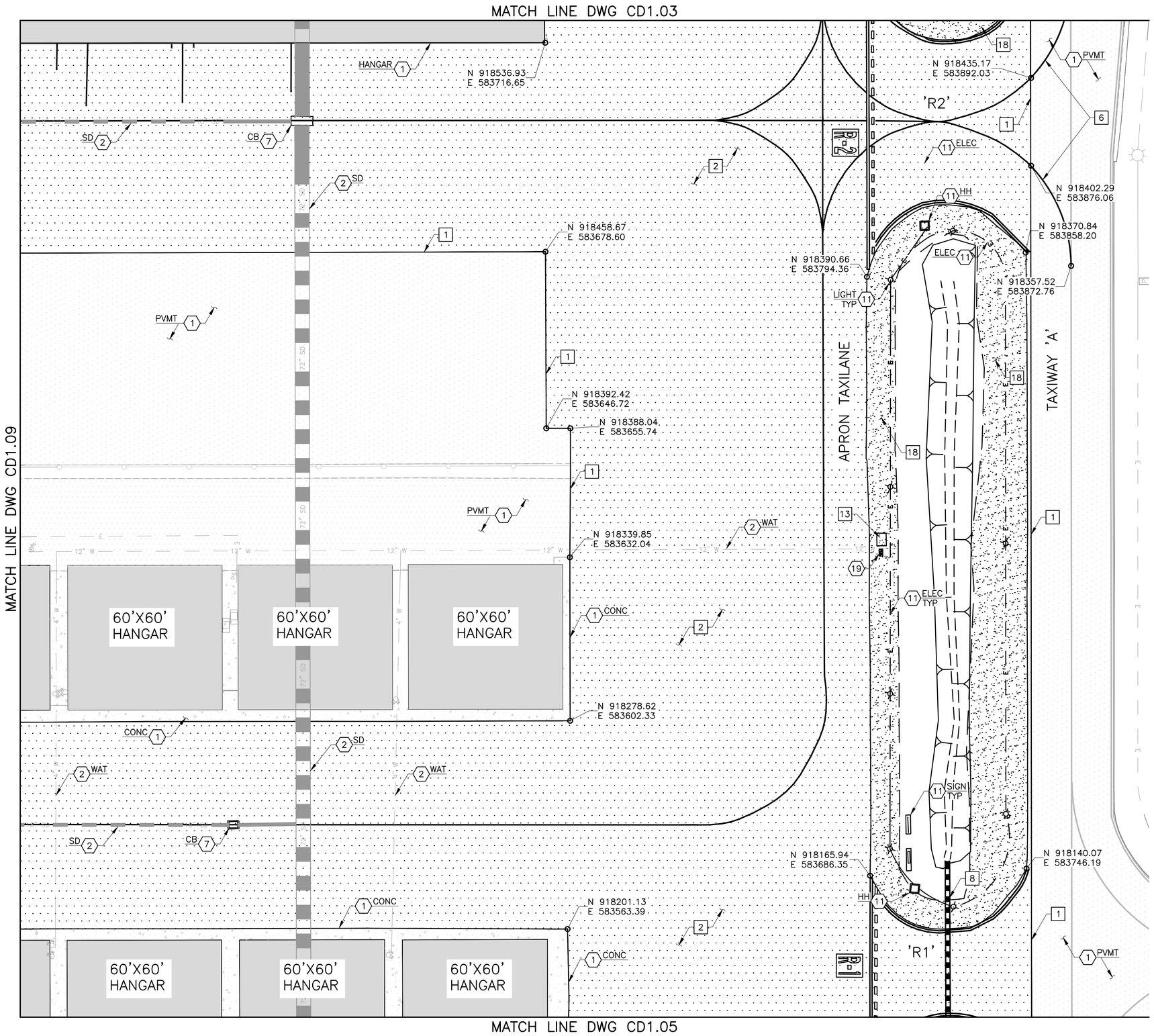


SCALE: 1"=20'

REMOVAL NOTES

1	SAWCUT AC PAVEMENT (FULL DEPTH)	771 LF
2	REMOVE AC PAVEMENT (FULL DEPTH, ±2.5")	11,223 SY
6	OBLITERATE PAVEMENT MARKINGS	40 SF
8	REMOVE 21" CMP SD	65 LF
13	REMOVE CONCRETE PAD AROUND FLUSH MOUNT FIRE HYDRANT & VALVE BOX FRAME & COVER, PROTECT IN PLACE FRAME & COVER, REFER TO PAVEMENT & GRADING PLAN, CONSTRUCTION NOTE 20	1 EA
18	REMOVE STABILIZED AC MILLINGS (FULL DEPTH ±2")	1,149 SY

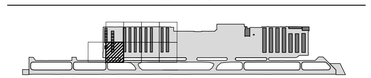
REFERENCE NOTES

1. PROTECT IN PLACE
2. VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION, PROTECT IN PLACE
7. ADJUST CATCH BASIN TO GRADE REFER TO DWG CG1.01–CG1.09 FOR PAVEMENT & GRADING PLAN
11. REFER TO DWG E2.1–E2.3 FOR AIRFIELD ELECTRICAL DEMOLITION PLAN
19. PROTECT IN PLACE WATER METER BOX FOR CURB STOP W/ FLUSHING PIPE, REFER TO PAVEMENT & GRADING PLAN

LEGEND

- EXISTING AC PAVEMENT
- EXISTING CONCRETE
- REMOVE AC PAVEMENT (FULL DEPTH, ±2.5")
- REMOVE STABILIZED AC MILLINGS (FULL DEPTH ±2")

KEY MAP



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5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DANIEL H. DANA Date Signed 07/30/26 ARIZONA U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307

DEMOLITION PLAN 4

Scale 1"-20'
Date 7/30/2026

CD1.04

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SHT. 21
OF 86

DSC #

FILE NAME: 20058_14-CD1_07-08 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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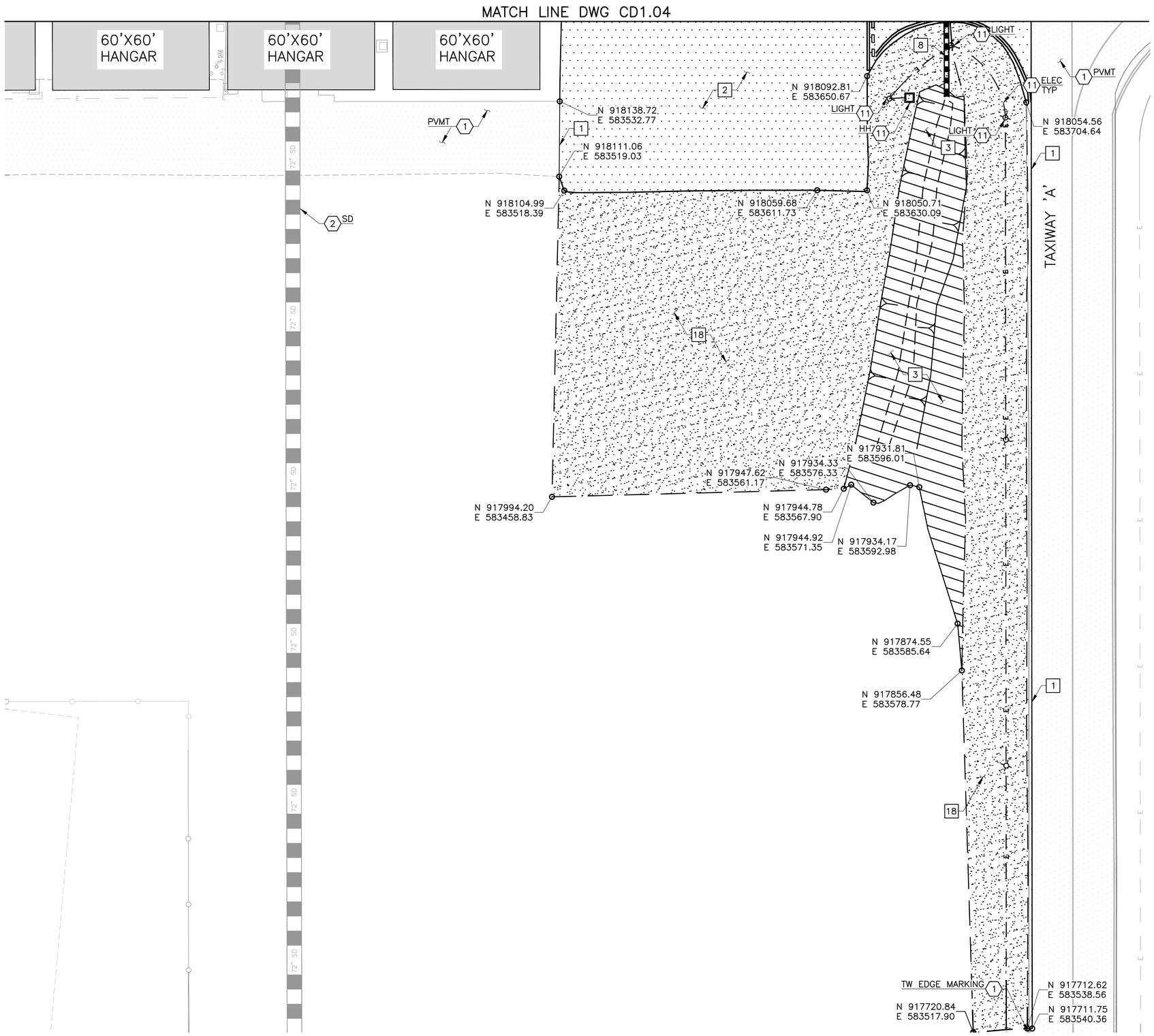


0' 10' 20' 40'
SCALE: 1"=20'

DIBBLE

REMOVAL NOTES

1	SAWCUT AC PAVEMENT (FULL DEPTH)	446 LF
2	REMOVE AC PAVEMENT (FULL DEPTH, ±2.5")	1,101 SY
3	CLEAR & GRUB	0.14 AC
8	REMOVE 21" CMP SD	31 LF
18	REMOVE STABILIZED AC MILLINGS (FULL DEPTH ±2")	3,115 SY

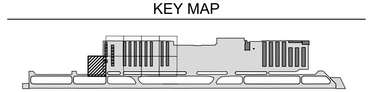
REFERENCE NOTES

1. PROTECT IN PLACE
2. VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION, PROTECT IN PLACE
11. REFER TO DWG E2.1–E2.3 FOR AIRFIELD ELECTRICAL DEMOLITION PLAN

LEGEND

- EXISTING AC PAVEMENT
- REMOVE AC PAVEMENT (FULL DEPTH, ±2.5")
- CLEAR & GRUB
- REMOVE STABILIZED AC MILLINGS (FULL DEPTH ±2")

KEY MAP



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5850 W. GLENDALE AVE.
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Registered Professional Engineer (Civil) 47425 DUANE H. DANA Date Signed 07/30/26 Arizona U.S.A.

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No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
DEMOLITION PLAN 5

Scale 1"-20'
Date 7/30/2026

CD1.05

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SHT. 22
OF 86

FILE NAME: 20058_14-CD1_09 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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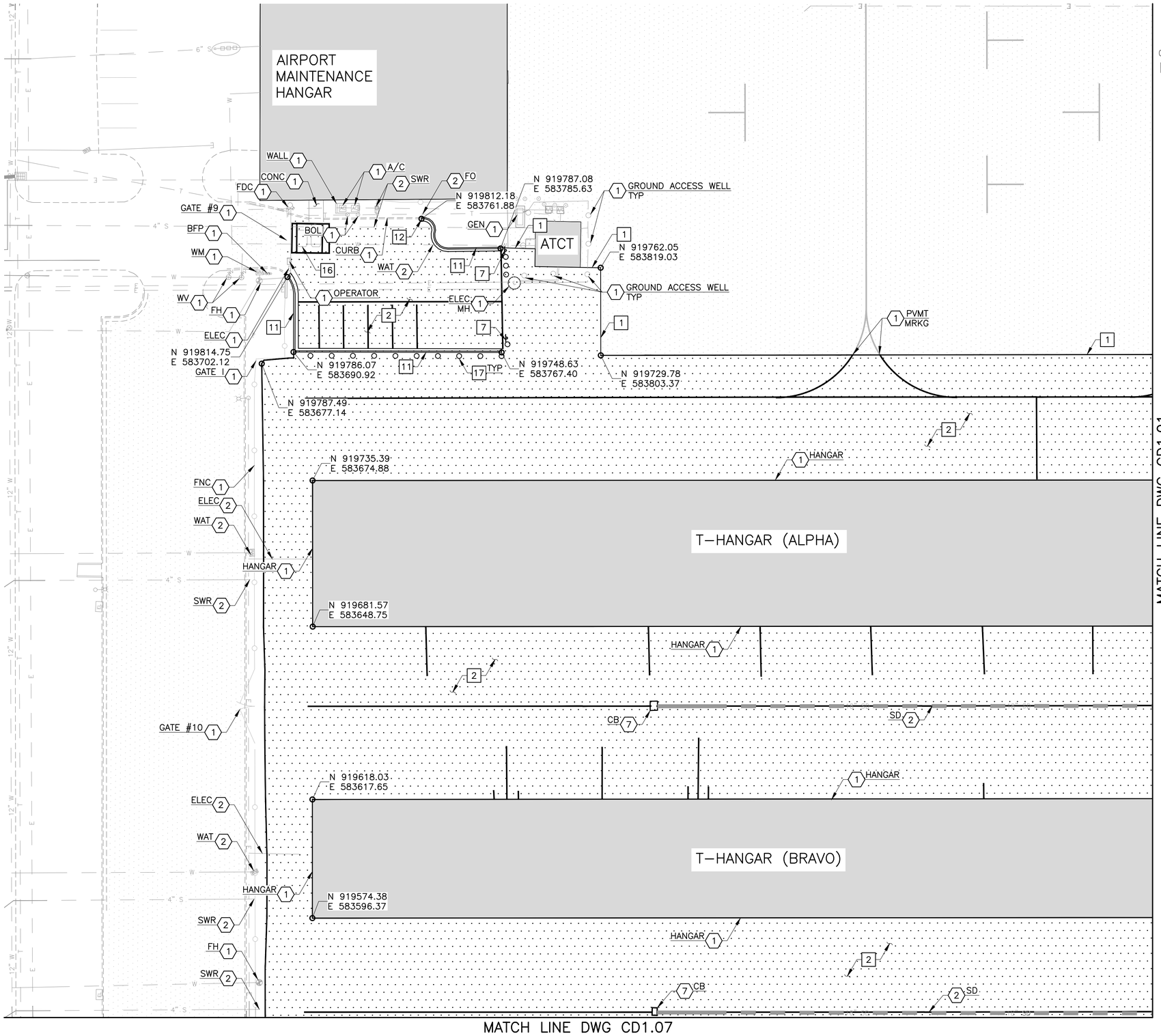


0' 10' 20' 40'

SCALE: 1"=20'

REMOVAL NOTES

1	SAWCUT AC PAVEMENT (FULL DEPTH)	281 LF
2	REMOVE AC PAVEMENT (FULL DEPTH, ±2.5")	7,468 SY
7	REMOVE SIGN & POST	2 EA
11	REMOVE CONCRETE VERTICAL CURB & GUTTER	157 LF
12	SAWCUT CONCRETE CURB & GUTTER	NPI
16	REMOVE VEHICLE DETECTOR LOOP BACK TO GATE OPERATOR PRIOR TO MILLING	1 LS
17	REMOVE FENCE POST CONCRETE FOOTING	NPI

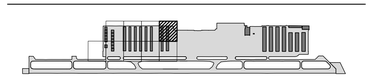
REFERENCE NOTES

1. PROTECT IN PLACE
2. VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION, PROTECT IN PLACE
7. ADJUST CATCH BASIN TO GRADE REFER TO DWG CG1.01–CG1.09 FOR PAVEMENT & GRADING PLAN

LEGEND

- EXISTING AC PAVEMENT
- EXISTING CONCRETE
- REMOVE AC PAVEMENT (FULL DEPTH, ±2.5")

KEY MAP



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ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DUANE H. DANA Date Signed 07/30/26 Arizona U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

REVISIONS

No.	Date	Description

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307

DEMOLITION PLAN 6

Scale 1"-20'
Date 7/30/2026

CD1.06

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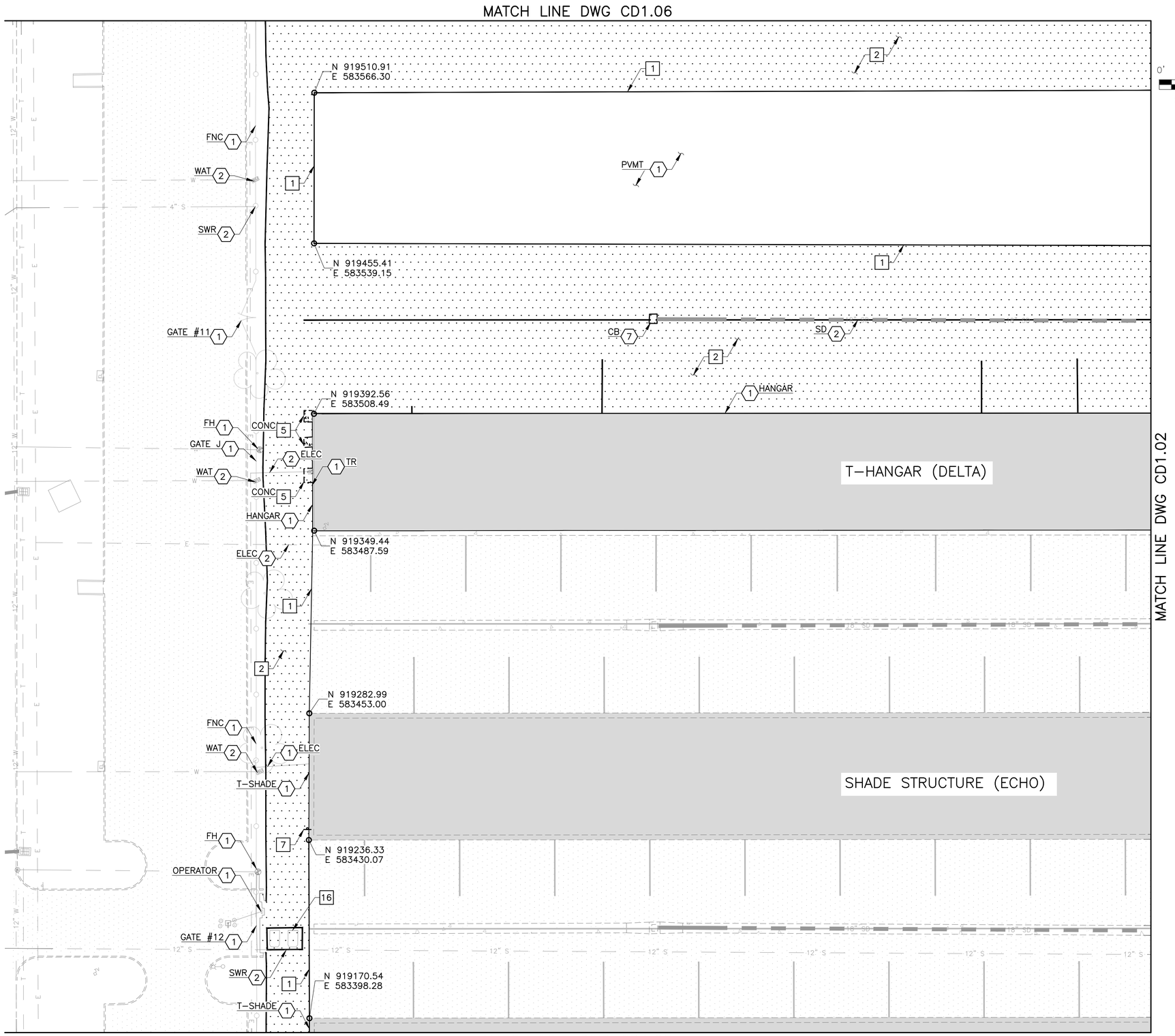
SHT. 23
OF 86

FILE NAME: 20058_14-CD1_01-02 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

J:\2024\1024130.03_CEU_SOUTH_APRON_RECON_PHASE_3\CAD\PHASE III\20058_14-CD1_01-02.DWG 3 Aug, 2026 9:15 AM

DSC #



0' 10' 20' 40'
SCALE: 1"=20'

DIBBLE

REMOVAL NOTES

1	SAWCUT AC PAVEMENT (FULL DEPTH)	832	LF
2	REMOVE AC PAVEMENT (FULL DEPTH, ±2.5")	4,620	SY
5	REMOVE CONCRETE PAD	50	SF
7	REMOVE SIGN & POST	1	EA
16	REMOVE VEHICLE DETECTOR LOOP BACK TO GATE OPERATOR PRIOR TO MILLING	1	LS

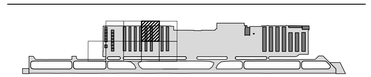
REFERENCE NOTES

1. PROTECT IN PLACE
2. VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION, PROTECT IN PLACE
7. ADJUST CATCH BASIN TO GRADE REFER TO DWG CG1.01–CG1.09 FOR PAVEMENT & GRADING PLAN

LEGEND

- EXISTING AC PAVEMENT
- EXISTING CONCRETE
- REMOVE AC PAVEMENT (FULL DEPTH, ±2.5")

KEY MAP



Glendale ARIZONA

CITY OF GLENDALE

ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DIANE H. DANA Date Signed 07/30/26 ARIZONA U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
DEMOLITION PLAN 7

Scale 1"-20'
Date 7/30/2026

CD1.07

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ARIZONA811 Call 811 or click Arizona811.com

SHT. 24
OF 86

DSC #

FILE NAME: 20058_14-CD1_03-04 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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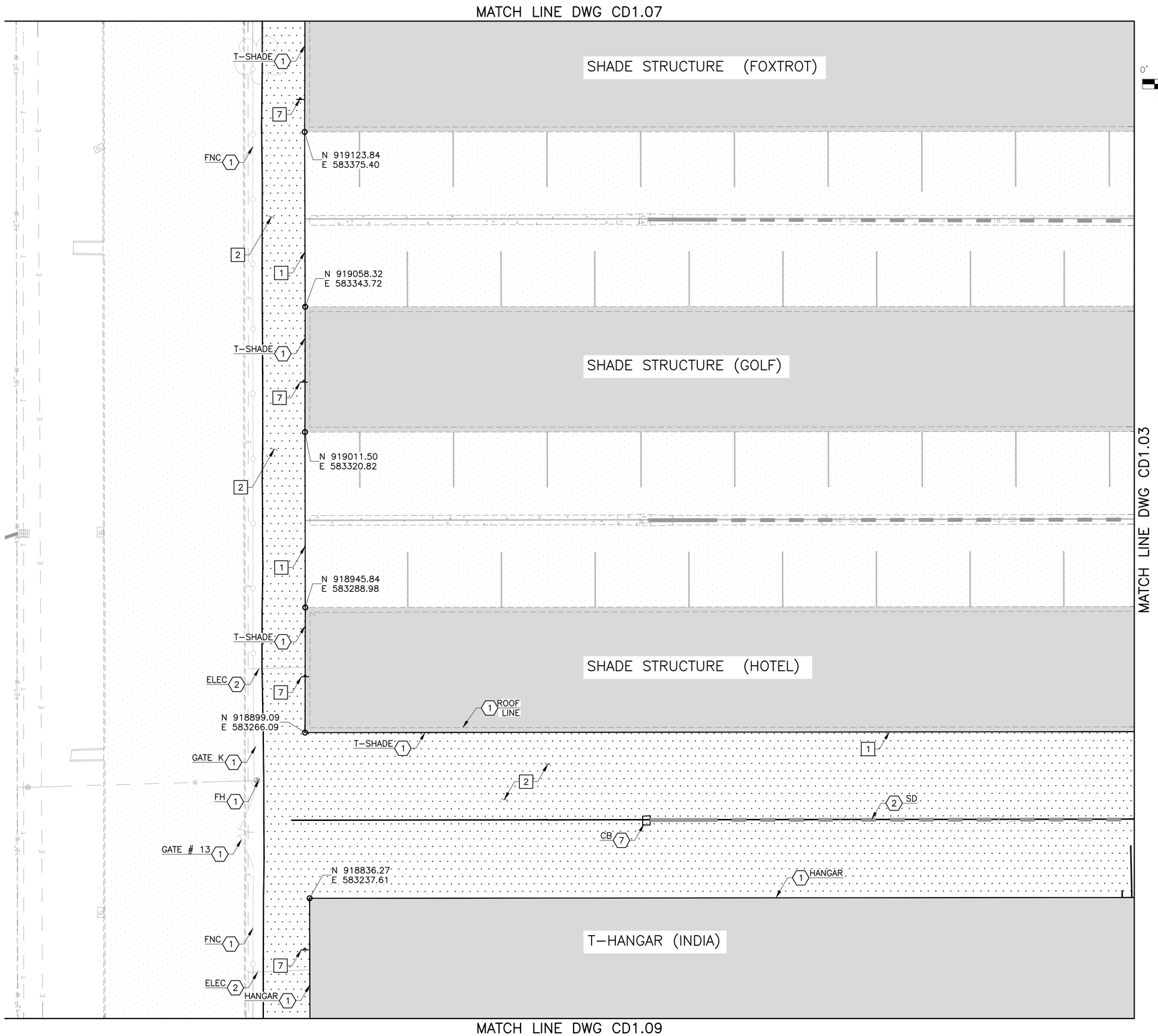


0' 10' 20' 40'
SCALE: 1"=20'

REMOVAL NOTES

1	SAWCUT AC PAVEMENT (FULL DEPTH)	491 LF
2	REMOVE AC PAVEMENT (FULL DEPTH, ±2.5")	3,464 SY
7	REMOVE SIGN & POST	4 EA

REFERENCE NOTES

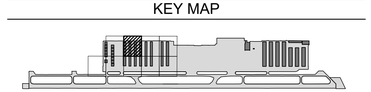
1. PROTECT IN PLACE
2. VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION, PROTECT IN PLACE
7. ADJUST CATCH BASIN TO GRADE REFER TO DWG CG1.01–CG1.09 FOR PAVEMENT & GRADING PLAN

LEGEND

EXISTING AC PAVEMENT

REMOVE AC PAVEMENT (FULL DEPTH, ±2.5")

KEY MAP



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5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DUANE H. DANA Date Signed 07/30/26 ARIZONA U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

REVISIONS

No.	Date	Description

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
DEMOLITION PLAN 8

Scale 1"-20'
Date 7/30/2026

CD1.08

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SHT. 25
OF 86

DSC #

FILE NAME: 20058_14-CD1_05-06 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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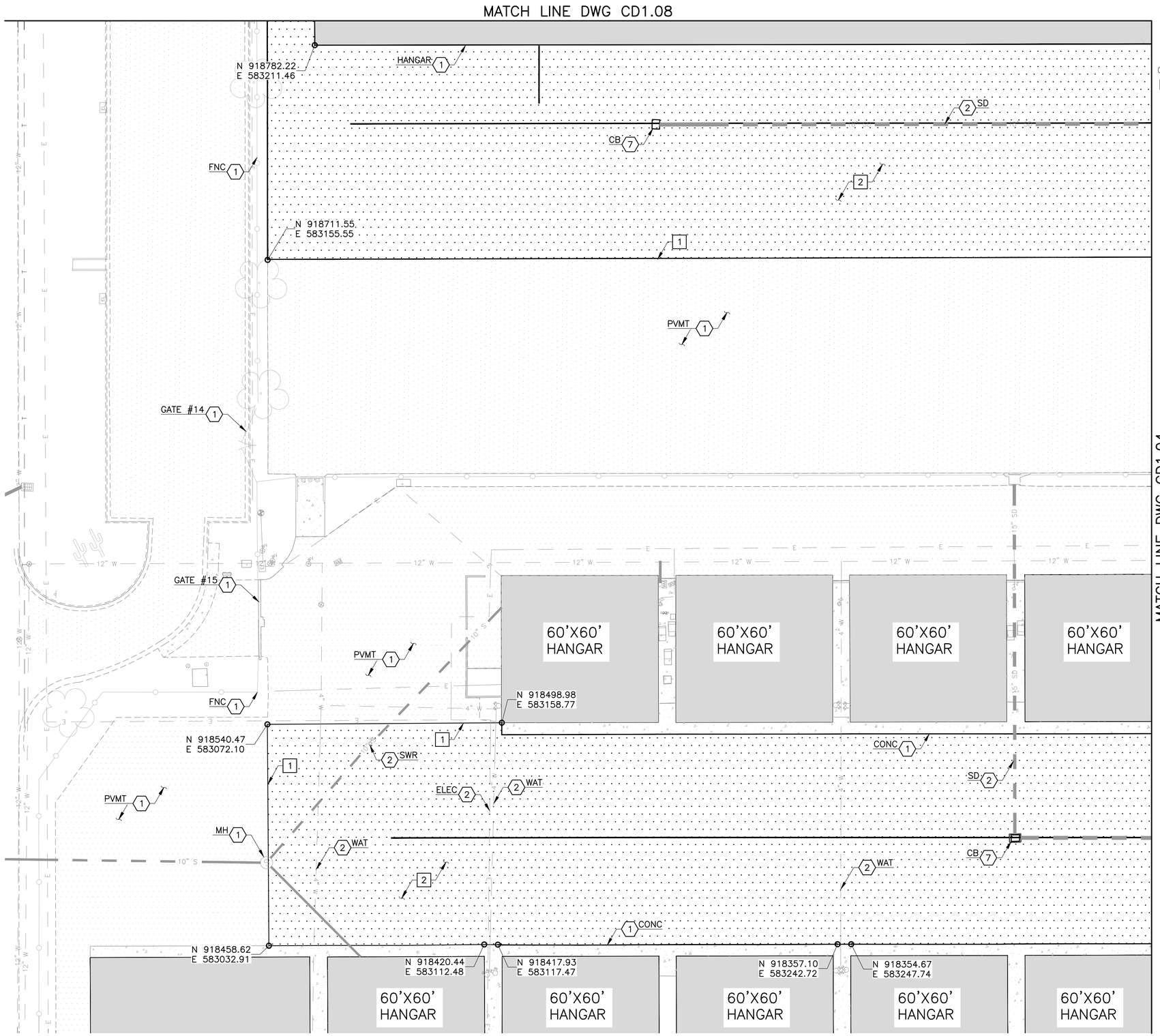


N

0' 10' 20' 40'

SCALE: 1"=20'

DIBBLE

Glendale ARIZONA

REMOVAL NOTES

1	SAWCUT AC PAVEMENT (FULL DEPTH)	549 LF
2	REMOVE AC PAVEMENT (FULL DEPTH, ±2.5")	7,062 SY

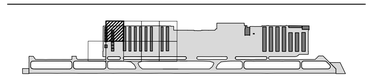
REFERENCE NOTES

1. PROTECT IN PLACE
2. VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION, PROTECT IN PLACE
7. ADJUST CATCH BASIN TO GRADE REFER TO DWG CG1.01–CG1.09 FOR PAVEMENT & GRADING PLAN

LEGEND

- EXISTING AC PAVEMENT
- EXISTING CONCRETE
- REMOVE AC PAVEMENT (FULL DEPTH, ±2.5")

KEY MAP



CITY OF GLENDALE

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5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DUANE H. DANA Date Signed 07/30/26 ARIZONA U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
DEMOLITION PLAN 9

Scale 1"-20'
Date 7/30/2026

CD1.09

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SHT. 26
OF 86

DSC # ------

FILE NAME: 20058_14-CD1_07-08 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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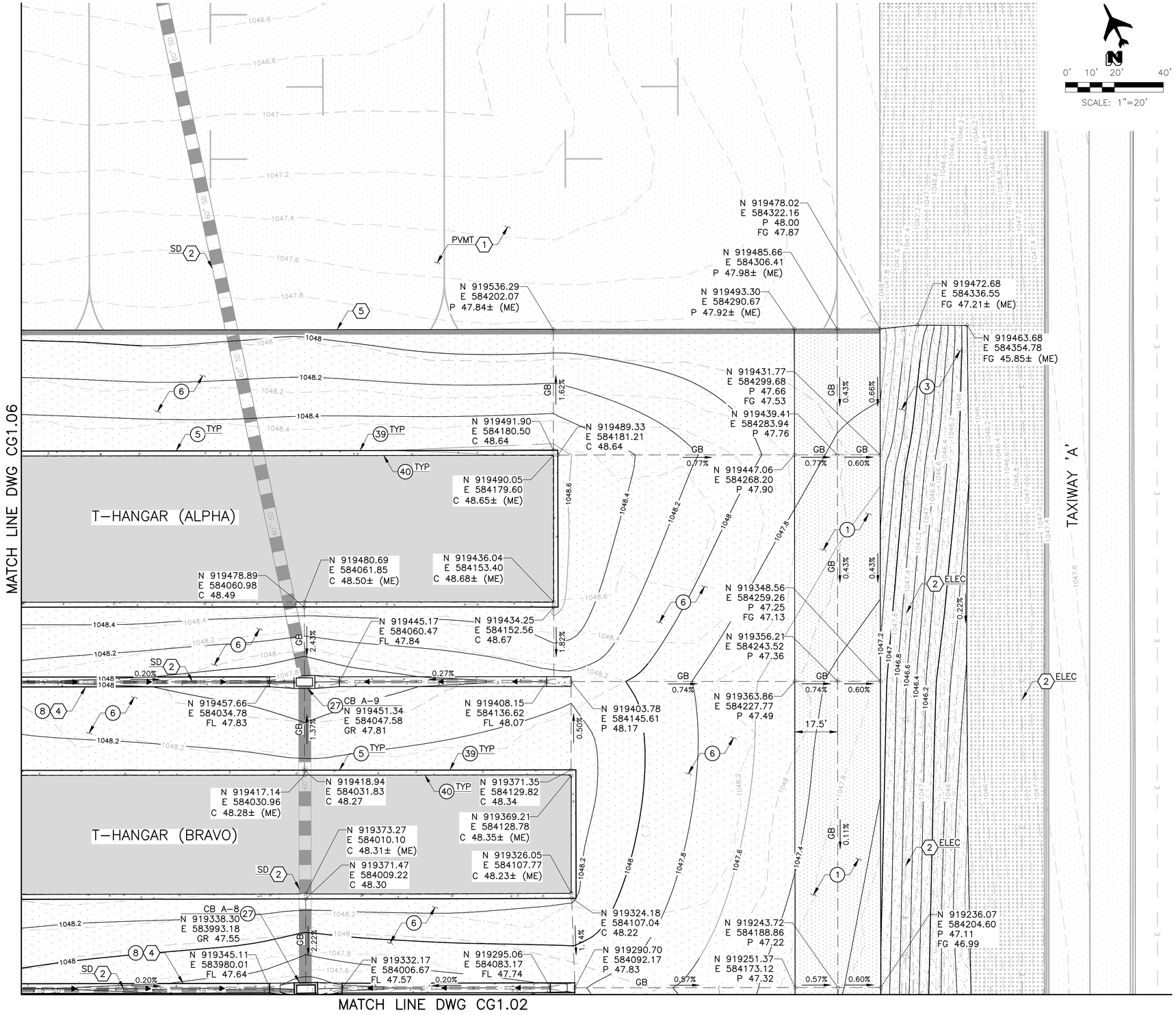


CONSTRUCTION NOTES

1	HEAVY AC PAVEMENT SECTION SECT A, DWG GG3.02	1,058 SY
3	STABILIZED ASPHALT MILLINGS SHOULDER, SECT C, DWG GG3.02	1,242 SY
5	CONCRETE RIBBON CURB MAG STD DET 220–1, TYPE B (MOD) DET 2, DWG GG3.03	1,008 LF
6	LIGHT AC PAVEMENT SECTION SECT B, DWG GG3.02	6,447 SY
8	CONCRETE VALLEY GUTTER DET D, DWG GG3.02	1,757 SF
27	ADJUST LARGE CATCH BASIN TO GRADE DET 1, DWG CG4.01	2 EA
39	CONCRETE TO AC PAVEMENT JOINT DET 4, DWG GG3.03	1,008 LF
40	HANGAR FOUNDATION TO CONCRETE RIBBON CURB EXPANSION JOINT DET 3, DWG GG3.03	1,008 LF

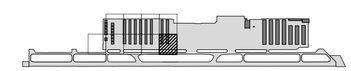
REFERENCE NOTES

1. PROTECT IN PLACE
2. VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION, PROTECT IN PLACE
4. THE ELEVATIONS AT THE VALLEY GUTTER INDICATED ON THE PLANS APPLY TO BOTH SIDES OF THE VALLEY GUTTER
5. MATCH EXISTING PAVEMENT ELEVATIONS

LEGEND

- HEAVY AC PAVEMENT SECTION SECT A, DWG GG3.02
- LIGHT AC PAVEMENT SECTION SECT B, DWG GG3.02
- CONCRETE RIBBON CURB MAG STD DET 220–1, TYPE B (MOD) DET 2, DWG GG3.03
- EXISTING AC PAVEMENT
- STABILIZED ASPHALT MILLINGS SHOULDER, SECT C, DWG GG3.02
- EXISTING MILLINGS

KEY MAP



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Glendale ARIZONA

CITY OF GLENDALE

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5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DANIEL H. DANA Date Signed 07/30/26 ARIZONA U.S.A.

Designed	DS
Drawn	DSO
Checked	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
PAVEMENT & GRADING PLAN 1

Scale 1"-20'
Date 7/30/2026

CG1.01

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SHT. 27
OF 86

DSC #

FILE NAME: 20058_14-GD1_01-02 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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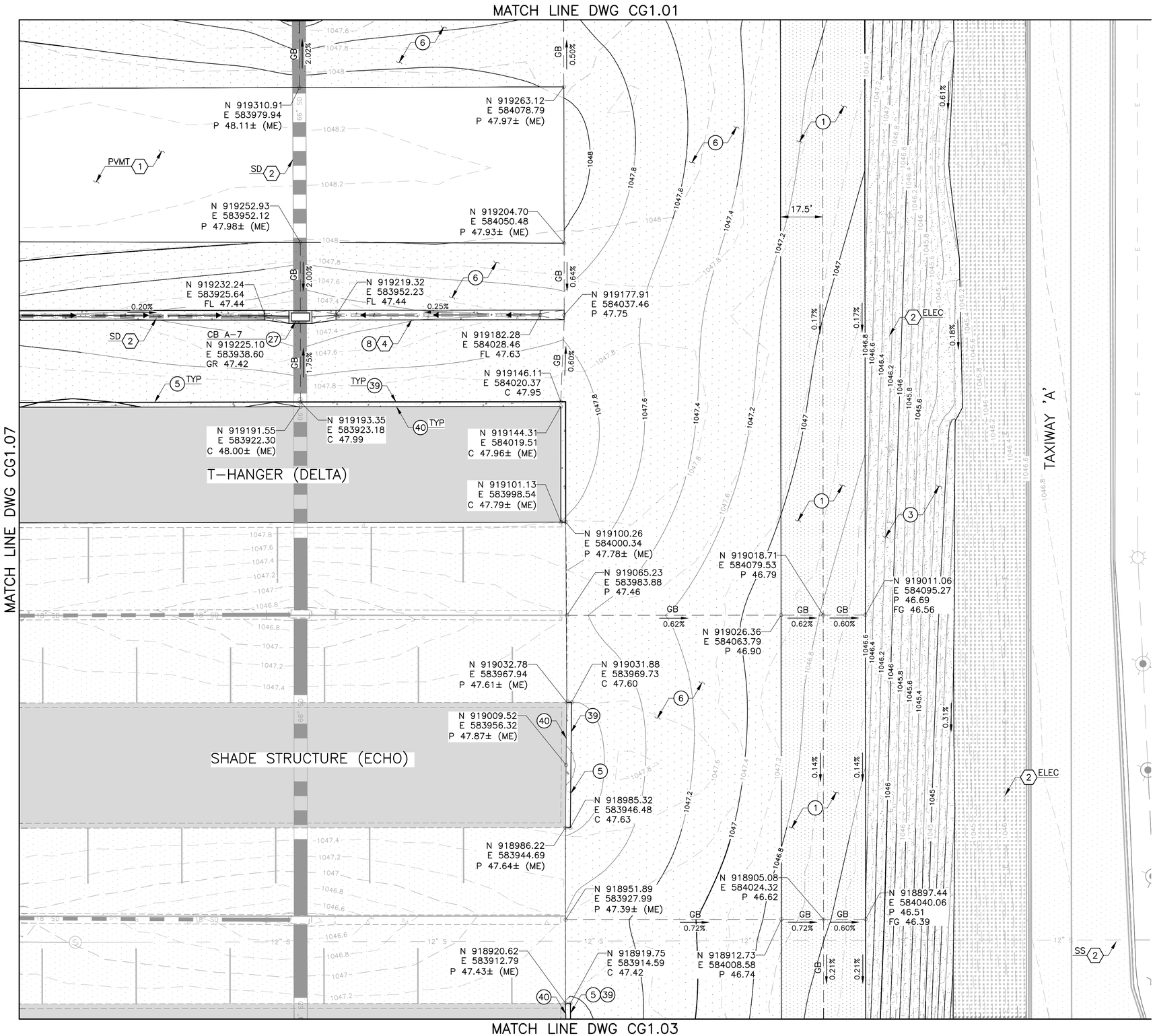


0' 10' 20' 40'

SCALE: 1"=20'

CONSTRUCTION NOTES

1	HEAVY AC PAVEMENT SECTION SECT A, DWG GG3.02	1,614	SY
3	STABILIZED ASPHALT MILLINGS SHOULDER, SECT C, DWG GG3.02	1,904	SY
5	CONCRETE RIBBON CURB MAG STD DET 220-1, TYPE B (MOD) DET 2, DWG GG3.03	343	LF
6	LIGHT AC PAVEMENT SECTION SECT B, DWG GG3.02	6,388	SY
8	CONCRETE VALLEY GUTTER DET D, DWG GG3.02	879	SF
27	ADJUST LARGE CATCH BASIN TO GRADE DET 1, DWG CG4.01	1	EA
39	CONCRETE TO AC PAVEMENT JOINT DET 4, DWG GG3.03	331	LF
40	HANGAR FOUNDATION TO CONCRETE RIBBON CURB EXPANSION JOINT DET 3, DWG GG3.03	331	LF

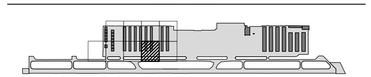
REFERENCE NOTES

1. PROTECT IN PLACE
2. VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION, PROTECT IN PLACE
4. THE ELEVATIONS AT THE VALLEY GUTTER INDICATED ON THE PLANS APPLY TO BOTH SIDES OF THE VALLEY GUTTER

LEGEND

- HEAVY AC PAVEMENT SECTION SECT A, DWG GG3.02
- LIGHT AC PAVEMENT SECTION SECT B, DWG GG3.02
- CONCRETE RIBBON CURB MAG STD DET 220-1, TYPE B (MOD) DET 2, DWG GG3.03
- EXISTING AC PAVEMENT
- EXISTING CONCRETE
- STABILIZED ASPHALT MILLINGS SHOULDER, SECT C, DWG GG3.02
- EXISTING MILLINGS

KEY MAP



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5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DANIEL H. DANA Date Signed 07/30/26 Arizona U.S.A.

Designed	DS
Drawn	DSO
Checked	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
PAVEMENT & GRADING PLAN 2

Scale 1"-20'
Date 7/30/2026

CG1.02

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SHT. 28
OF 86

DSC #

FILE NAME: 20058_14-GD1_03-04 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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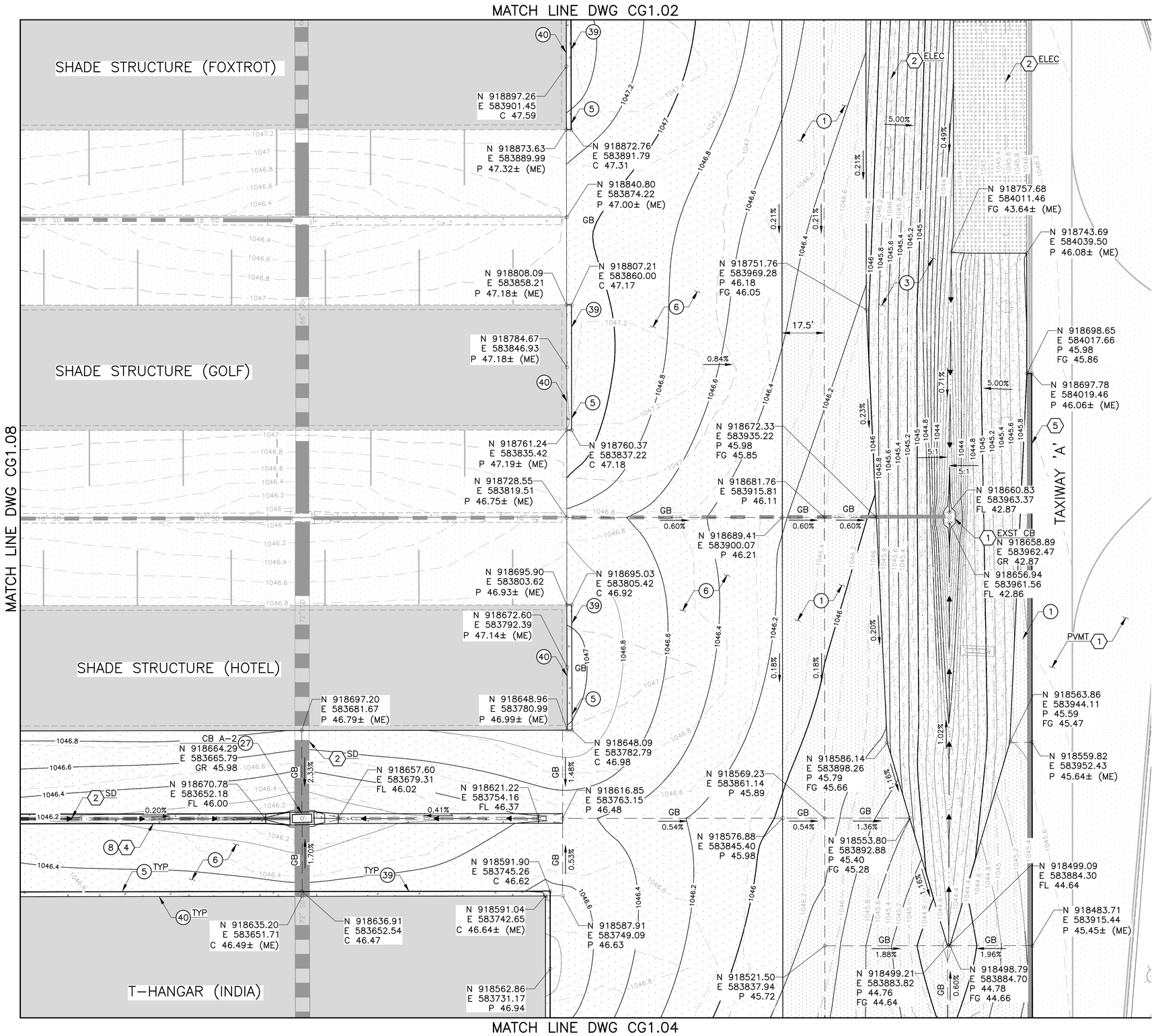
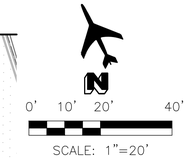




CONSTRUCTION NOTES

1	HEAVY AC PAVEMENT SECTION SECT A, DWG GG3.02	2,425 SY
3	STABILIZED ASPHALT MILLINGS SHOULDER, SECT C, DWG GG3.02	2,060 SY
5	CONCRETE RIBBON CURB MAG STD DET 220–1, TYPE B (MOD) DET 2, DWG GG3.03	433 LF
6	LIGHT AC PAVEMENT SECTION SECT B, DWG GG3.02	5,726 SY
8	CONCRETE VALLEY GUTTER DET D, DWG GG3.02	875 SF
27	ADJUST LARGE CATCH BASIN TO GRADE DET 1, DWG CG4.01	1 EA
39	CONCRETE TO AC PAVEMENT JOINT DET 4, DWG GG3.03	433 LF
40	HANGAR FOUNDATION TO CONCRETE RIBBON CURB EXPANSION JOINT DET 3, DWG GG3.03	433 LF

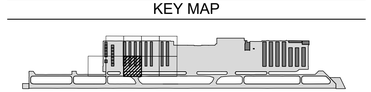
REFERENCE NOTES

1. PROTECT IN PLACE
2. VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION, PROTECT IN PLACE
4. THE ELEVATIONS AT THE VALLEY GUTTER INDICATED ON THE PLANS APPLY TO BOTH SIDES OF THE VALLEY GUTTER
5. MATCH EXISTING PAVEMENT ELEVATIONS

LEGEND

- HEAVY AC PAVEMENT SECTION SECT A, DWG GG3.02
- LIGHT AC PAVEMENT SECTION SECT B, DWG GG3.02
- CONCRETE RIBBON CURB MAG STD DET 220–1, TYPE B (MOD) DET 2, DWG GG3.03
- EXISTING AC PAVEMENT
- EXISTING CONCRETE
- STABILIZED ASPHALT MILLINGS SHOULDER, SECT C, DWG GG3.02
- EXISTING MILLINGS

KEY MAP



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Glendale ARIZONA

CITY OF GLENDALE
ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DANIEL H. DANA Date Signed 07/30/26 Arizona U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
PAVEMENT & GRADING PLAN 3

Scale 1"-20'
Date 7/30/2026

CG1.03

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SHT. 29
OF 86

DSC # -----

FILE NAME: 20058_14-GD1_05-06 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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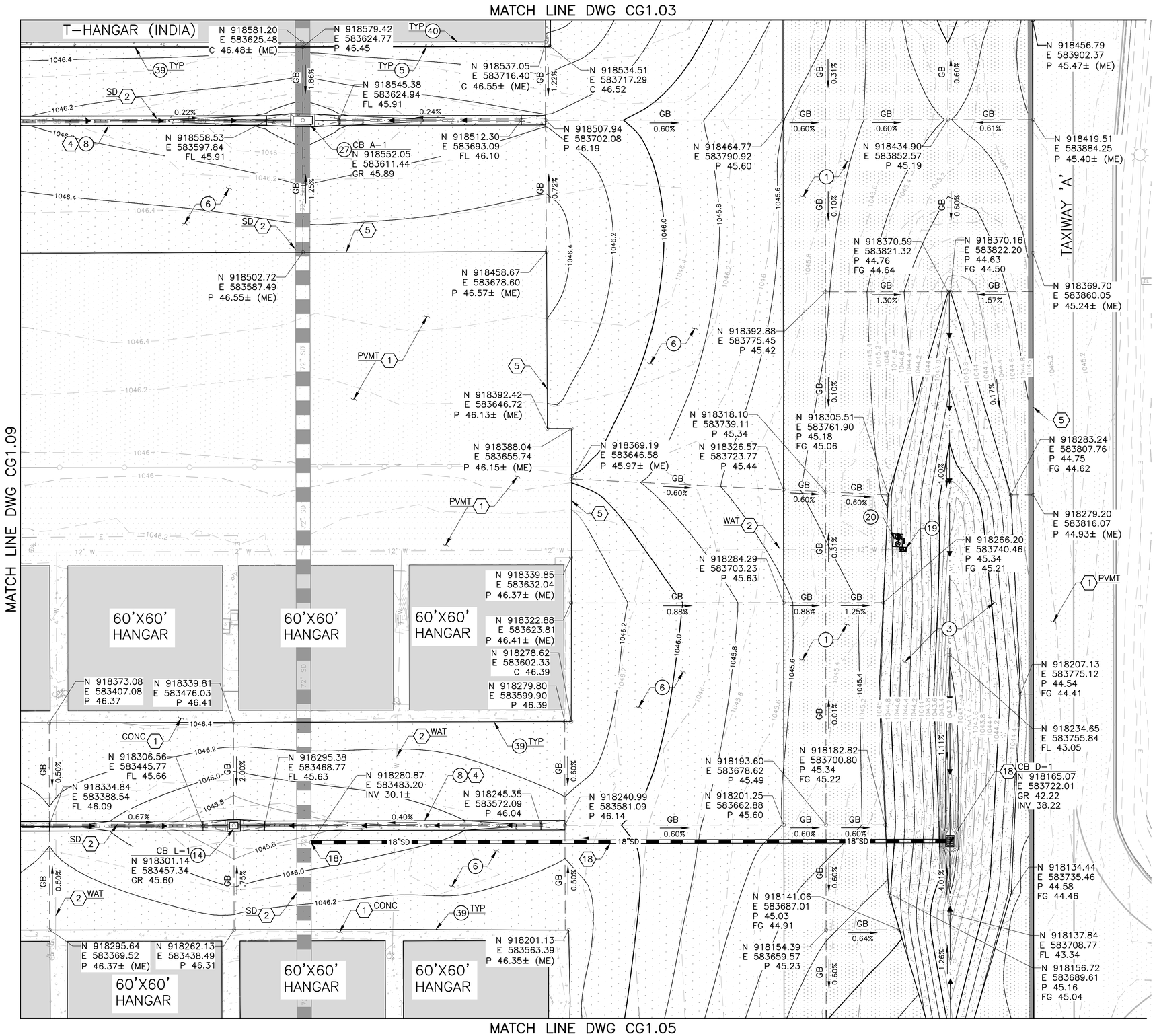

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ENGINEERING DEPARTMENT

5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

CONSTRUCTION NOTES

1	HEAVY AC PAVEMENT SECTION SECT A, DWG GG3.02	3,324 SY
3	STABILIZED ASPHALT MILLINGS SHOULDER, SECT C, DWG GG3.02	1,456 SY
5	CONCRETE RIBBON CURB MAG STD DET 220-1, TYPE B (MOD) DET 2, DWG GG3.03	231 LF
6	LIGHT AC PAVEMENT SECTION SECT B, DWG GG3.02	8,328 SY
8	CONCRETE VALLEY GUTTER DET D, DWG GG3.02	1,784 SF
14	ADJUST SMALL CATCH BASIN TO GRADE DET 1, DWG CG4.01	1 EA
19	ADJUST TO GRADE WATER METER BOX FOR CURB STOP W/FLUSHING PIPE DET 3, DWG CG4.04	1 EA
20	ADJUST TO GRADE AND CONSTRUCT NEW CONCRETE PAD AROUND FLUSH MOUNT FIRE HYDRANT AND VALVE BOX FRAME AND COVER DET 1, DWG CG4.04	1 EA
27	ADJUST LARGE CATCH BASIN TO GRADE DET 1, DWG CG4.01	1 EA
39	CONCRETE TO AC PAVEMENT JOINT DET 4, DWG GG3.03	231 LF
40	HANGAR FOUNDATION TO CONCRETE RIBBON CURB EXPANSION JOINT DET 3, DWG GG3.03	231 LF

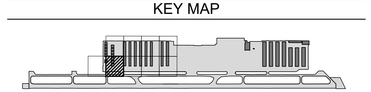
REFERENCE NOTES

1. PROTECT IN PLACE
2. VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION, PROTECT IN PLACE
4. THE ELEVATIONS AT THE VALLEY GUTTER INDICATED ON THE PLANS APPLY TO BOTH SIDES OF THE VALLEY GUTTER
5. MATCH EXISTING PAVEMENT ELEVATIONS
18. REFER TO DWG CG2.03 FOR STORM DRAIN PLAN & PROFILE

LEGEND

- HEAVY AC PAVEMENT SECTION SECT A, DWG GG3.02
- LIGHT AC PAVEMENT SECTION SECT B, DWG GG3.02
- CONCRETE RIBBON CURB MAG STD DET 220-1, TYPE B (MOD) DET 2, DWG GG3.03
- EXISTING AC PAVEMENT
- EXISTING CONCRETE
- STABILIZED ASPHALT MILLINGS SHOULDER, SECT C, DWG GG3.02

KEY MAP



Registered Professional Engineer (Civil) CERTIFICATE NO. 47425 DANIEL H. DANA Date Signed 07/30/26 ARIZONA U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

REVISIONS

No.	Date	Description

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
PAVEMENT & GRADING PLAN 4

Scale 1"-20'
Date 7/30/2026

CG1.04

Contact Arizona 811 at least two full working days before you begin excavation
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SHT. 30 OF 86

DSC #

FILE NAME: 20058_14-GD1_07-08 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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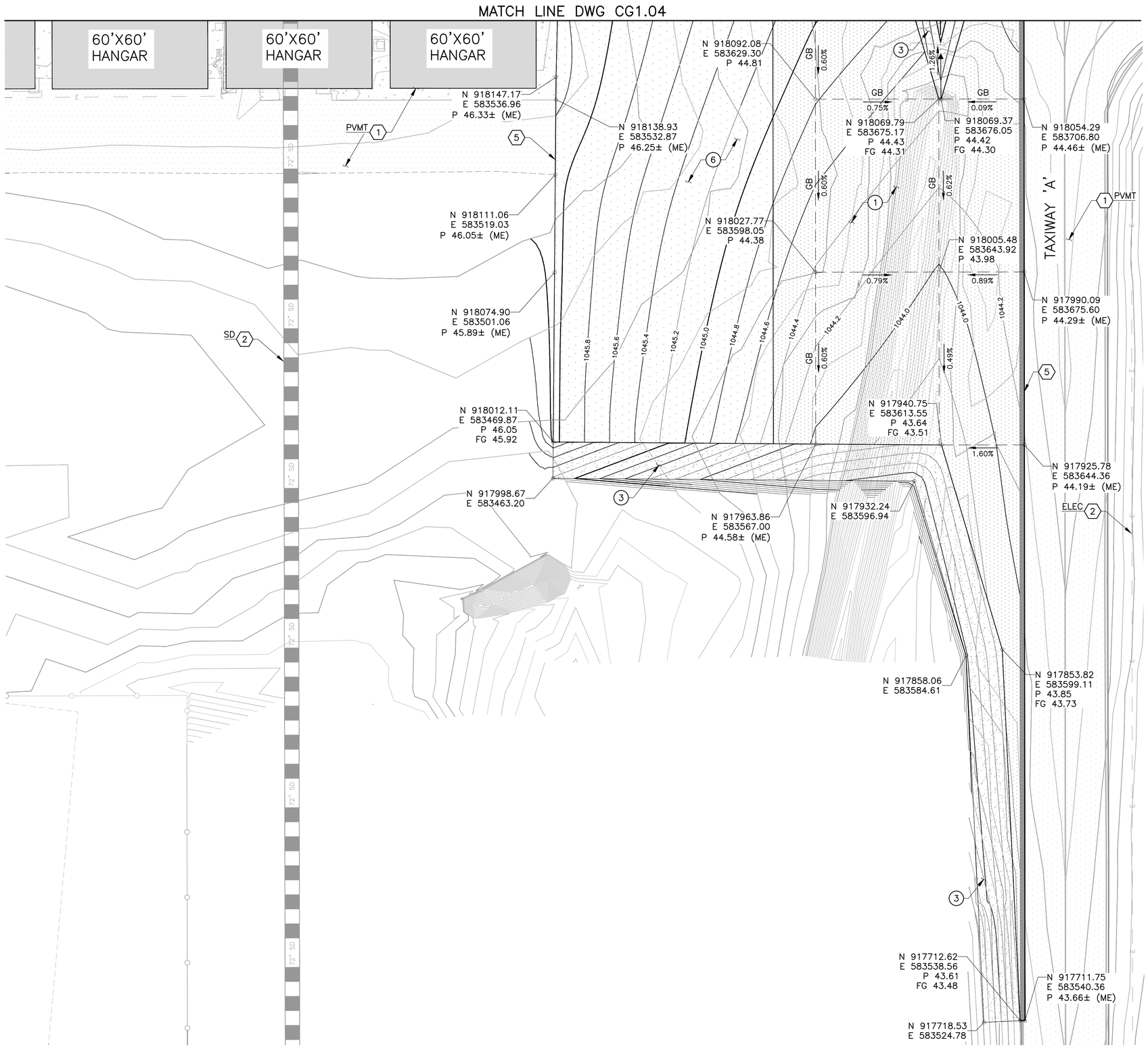


0' 10' 20' 40'

SCALE: 1"=20'

CONSTRUCTION NOTES

1	HEAVY AC PAVEMENT SECTION SECT A, DWG GG3.02	2,282 SY
3	STABILIZED ASPHALT MILLINGS SHOULDER, SECT C, DWG GG3.02	688 SY
6	LIGHT AC PAVEMENT SECTION SECT B, DWG GG3.02	1,749 SY

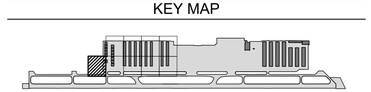
REFERENCE NOTES

1. PROTECT IN PLACE
2. VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION, PROTECT IN PLACE
5. MATCH EXISTING PAVEMENT ELEVATIONS

LEGEND

- HEAVY AC PAVEMENT SECTION SECT A, DWG GG3.02
- LIGHT AC PAVEMENT SECTION SECT B, DWG GG3.02
- EXISTING AC PAVEMENT
- EXISTING CONCRETE
- STABILIZED ASPHALT MILLINGS SHOULDER, SECT C, DWG GG3.02

KEY MAP



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Glendale ARIZONA

CITY OF GLENDALE

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5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DUANE H. DANA Date Signed 07/30/26 ARIZONA U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

REVISIONS

No.	Date	Description

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
PAVEMENT & GRADING PLAN 5

Scale 1"-20'
Date 7/30/2026

CG1.05

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ARIZONA811
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SHT. 31
OF 86

DSC # - - - - - -

FILE NAME: 20058_14-GD1_09 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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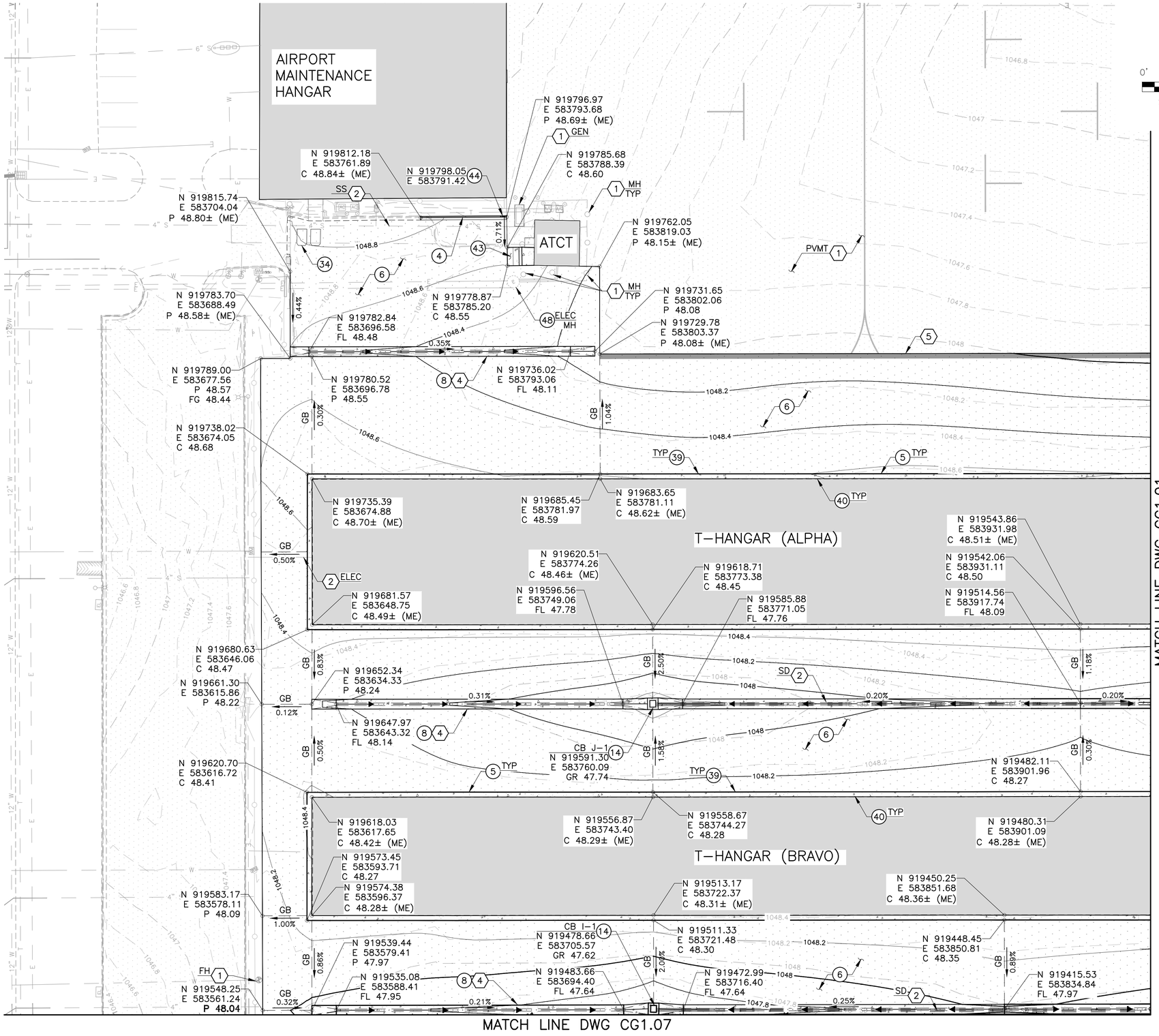


0' 10' 20' 40'
SCALE: 1"=20'

CONSTRUCTION NOTES

4	VERTICAL CURB & GUTTER MAG STD SET 220–1, TYPE A DET 1, DWG GG3.03	36	LF
5	CONCRETE RIBBON CURB MAG STD DET 220–1, TYPE B (MOD) DET 2, DWG GG3.03	1,500	LF
6	LIGHT AC PAVEMENT SECTION SECT B, DWG GG3.02	6,837	SY
8	CONCRETE VALLEY GUTTER DET D, DWG GG3.02	3,210	SF
14	ADJUST SMALL CATCH BASIN TO GRADE DET 1, DWG CG4.01	2	EA
34	VEHICLE DETECTION LOOP DET 1, DWG CG4.03	1	EA
39	CONCRETE TO AC PAVEMENT JOINT DET 4, DWG GG3.03	1,500	LF
40	HANGAR FOUNDATION TO CONCRETE RIBBON CURB EXPANSION JOINT DET 3, DWG GG3.03	1,500	LF
43	CONCRETE SIDEWALK, W/CURB RAMP DET 6, DWG GG3.03	82	SF
44	CURB TERMINATION MAG STD DET 222		NPI
45	CUSTOM RESERVED PARKING SIGN (18"X12") POST MOUNTED COG DET SS–122 & SS–131	1	EA
48	ADJUST TO GRADE MANHOLE FRAME & COVER (MAG 422–1) DET 1, DGW CG4.04	1	EA

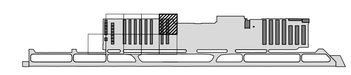
REFERENCE NOTES

1. PROTECT IN PLACE
2. VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION, PROTECT IN PLACE
4. THE ELEVATIONS AT THE VALLEY GUTTER INDICATED ON THE PLANS APPLY TO BOTH SIDES OF THE VALLEY GUTTER
5. MATCH EXISTING PAVEMENT ELEVATIONS

LEGEND

- LIGHT AC PAVEMENT SECTION SECT B, DWG GG3.02
- CONCRETE RIBBON CURB MAG STD DET 220–1, TYPE B (MOD) DET 2, DWG GG3.03
- EXISTING AC PAVEMENT
- EXISTING CONCRETE

KEY MAP



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Glendale ARIZONA

CITY OF GLENDALE
ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DANIEL H. DANA Date Signed 07/30/26 ARIZONA U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
PAVEMENT & GRADING PLAN 6

Scale 1"-20'
Date 7/30/2026

CG1.06

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SHT. 32 OF 86

DSC #

FILE NAME: 20058_14-GD1_01-02 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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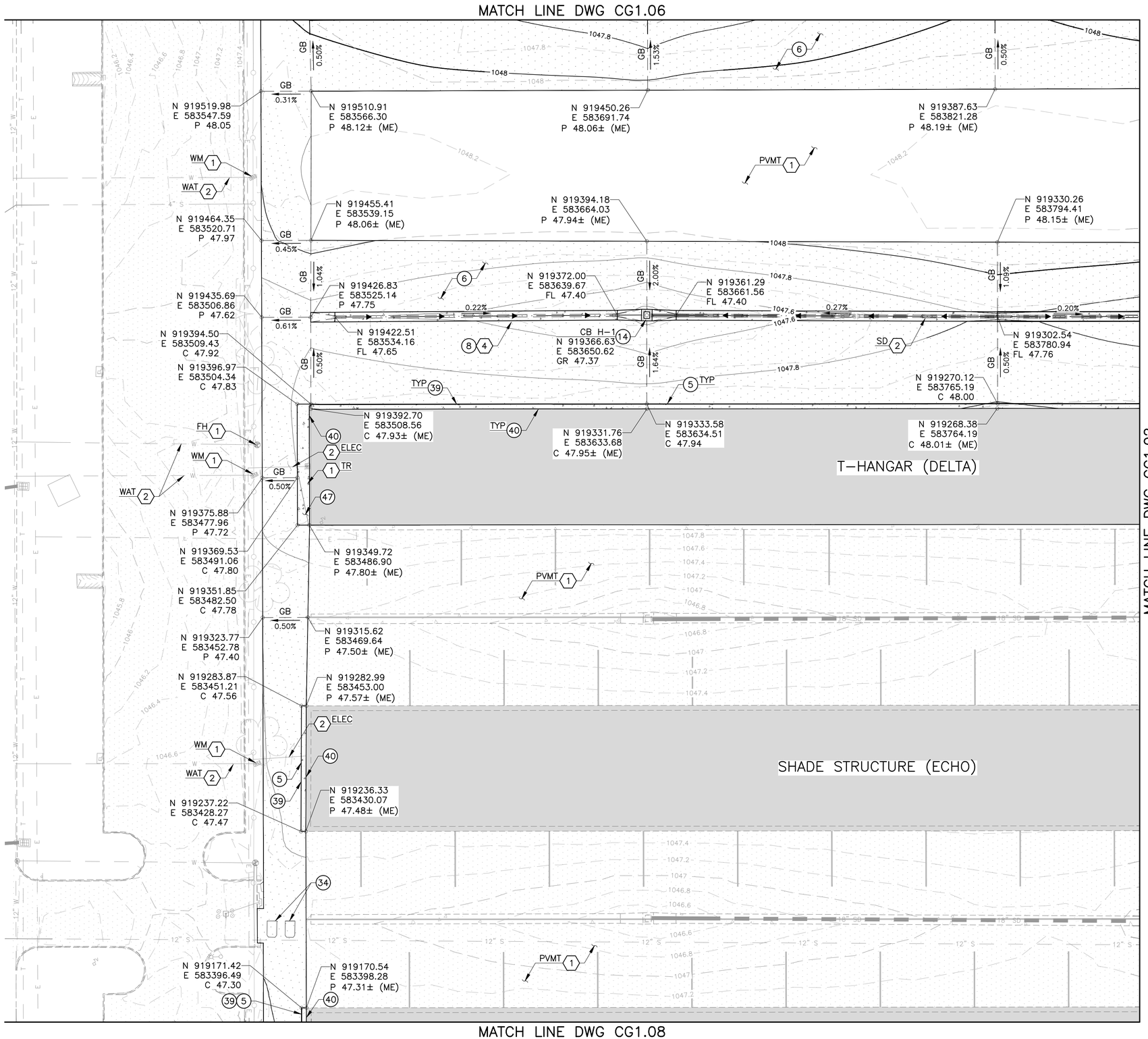


0' 10' 20' 40'
SCALE: 1"=20'

CONSTRUCTION NOTES

5	CONCRETE RIBBON CURB MAG STD DET 220-1, TYPE B (MOD) DET 2, DWG GG3.03	400 LF
6	LIGHT AC PAVEMENT SECTION SECT B, DWG GG3.02	4,368 SY
8	CONCRETE VALLEY GUTTER DET D, DWG GG3.02	1,363 SF
14	ADJUST SMALL CATCH BASIN TO GRADE DET 1, DWG CG4.01	1 EA
34	VEHICLE DETECTION LOOP DET 1, DWG CG4.03	1 EA
39	CONCRETE TO AC PAVEMENT JOINT DET 4, DWG GG3.03	400 LF
40	HANGAR FOUNDATION TO CONCRETE RIBBON CURB EXPANSION JOINT DET 3, DWG GG3.03	400 LF
47	CONCRETE SIDEWALK, 5' WIDE MAG STD DET 230	252 SF

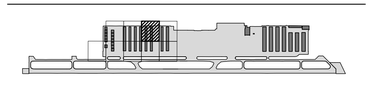
REFERENCE NOTES

1. PROTECT IN PLACE
2. VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION, PROTECT IN PLACE
4. THE ELEVATIONS AT THE VALLEY GUTTER INDICATED ON THE PLANS APPLY TO BOTH SIDES OF THE VALLEY GUTTER

LEGEND

- LIGHT AC PAVEMENT SECTION SECT B, DWG GG3.02
- CONCRETE RIBBON CURB MAG STD DET 220-1, TYPE B (MOD) DET 2, DWG GG3.03
- EXISTING AC PAVEMENT
- EXISTING CONCRETE

KEY MAP



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ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

47425 DANIEL H. DANA (Civil) Registered Professional Engineer Date Signed 07/30/26 ARIZONA U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

REVISIONS

No.	Date	Description

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
PAVEMENT & GRADING PLAN 7

Scale 1"-20'
Date 7/30/2026

CG1.07

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ARIZONA811
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SHT. 33
OF 86

DSC #

FILE NAME: 20058_14-GD1_03-04 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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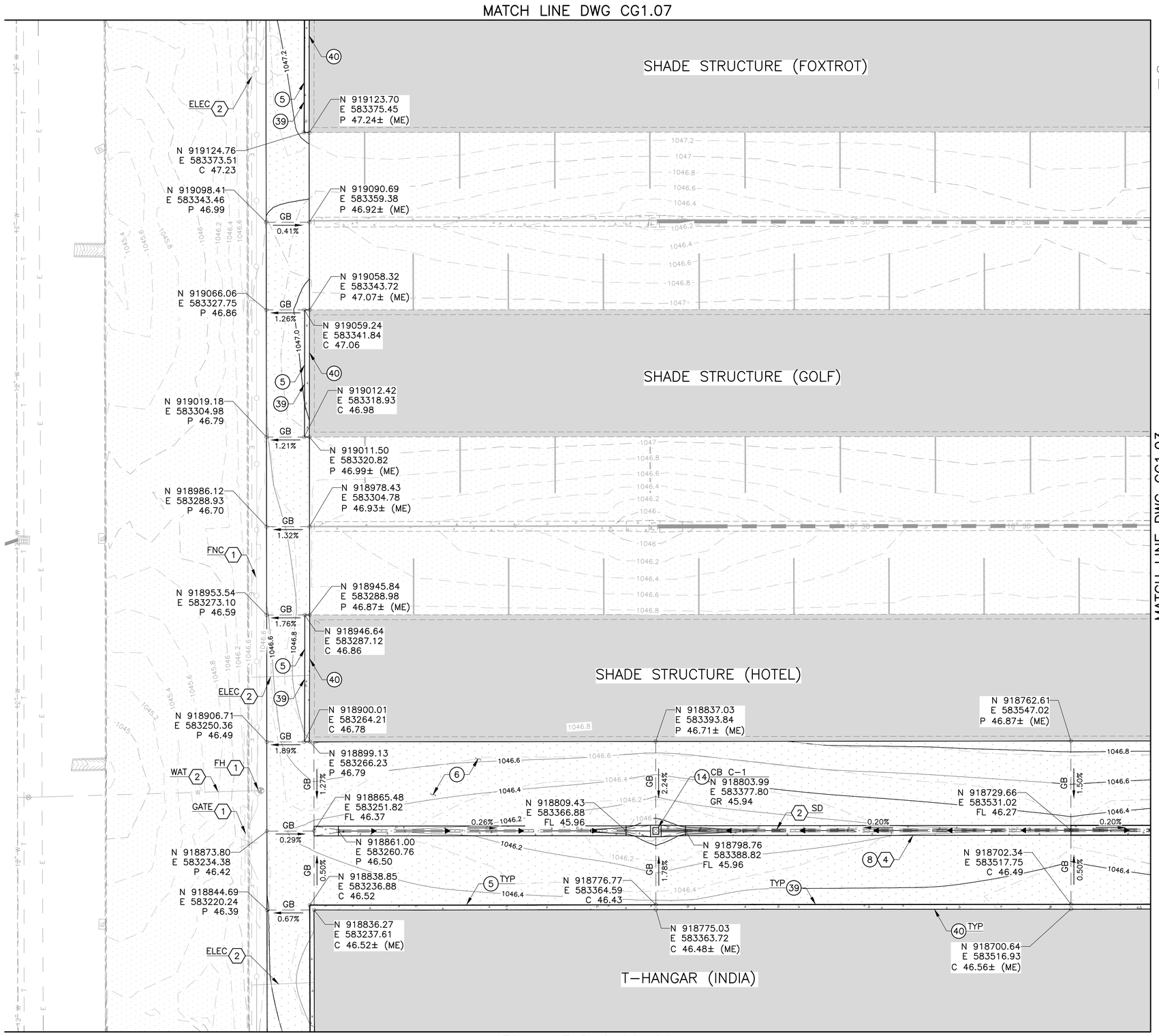


0' 10' 20' 40'
SCALE: 1"=20'

CONSTRUCTION NOTES

5	CONCRETE RIBBON CURB MAG STD DET 220-1, TYPE B (MOD) DET 2, DWG GG3.03	549 LF
6	LIGHT AC PAVEMENT SECTION SECT B, DWG GG3.02	3,186 SY
8	CONCRETE VALLEY GUTTER DET D, DWG GG3.02	1,363 SF
14	ADJUST SMALL CATCH BASIN TO GRADE DET 1, DWG CG4.01	1 EA
39	CONCRETE TO AC PAVEMENT JOINT DET 4, DWG GG3.03	549 LF
40	HANGAR FOUNDATION TO CONCRETE RIBBON CURB EXPANSION JOINT DET 3, DWG GG3.03	549 LF

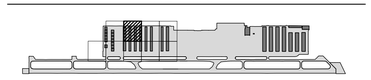
REFERENCE NOTES

1. PROTECT IN PLACE
2. VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION, PROTECT IN PLACE
4. THE ELEVATIONS AT THE VALLEY GUTTER INDICATED ON THE PLANS APPLY TO BOTH SIDES OF THE VALLEY GUTTER

LEGEND

- LIGHT AC PAVEMENT SECTION SECT B, DWG GG3.02
- CONCRETE RIBBON CURB MAG STD DET 220-1, TYPE B (MOD) DET 2, DWG GG3.03
- EXISTING AC PAVEMENT
- EXISTING CONCRETE

KEY MAP



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Glendale ARIZONA

CITY OF GLENDALE
ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DUANE H. DANA Date Signed 07/30/26 ARIZONA U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
PAVEMENT & GRADING PLAN 8

Scale 1"-20'
Date 7/30/2026

CG1.08

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SHT. 34
OF 86

DSC #

FILE NAME: 20058_14-GD1_05-06 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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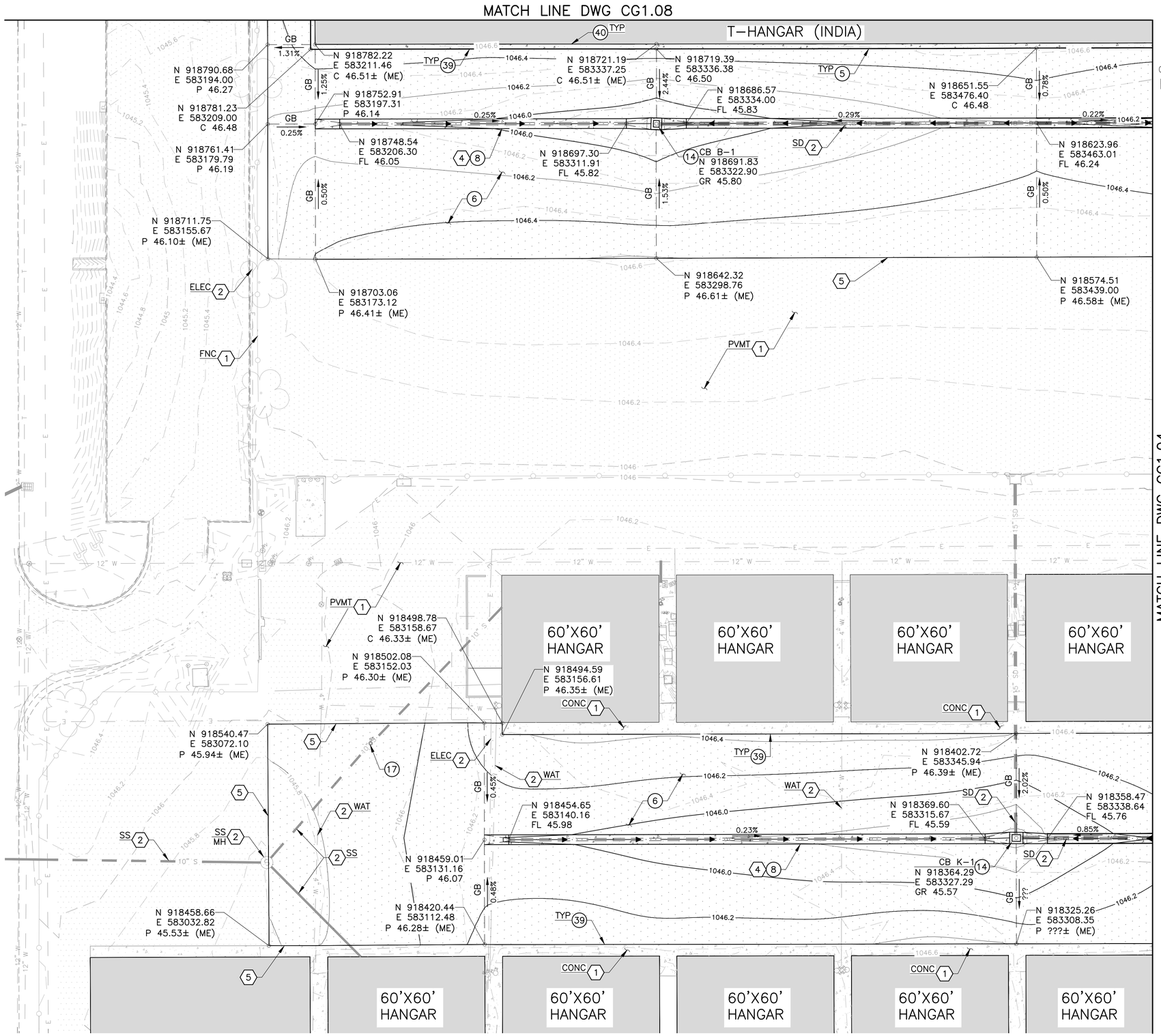


CONSTRUCTION NOTES

5	CONCRETE RIBBON CURB MAG STD DET 220-1, TYPE B (MOD) DET 2, DWG GG3.03	356 LF
6	LIGHT AC PAVEMENT SECTION SECT B, DWG GG3.02	6,713 SY
8	CONCRETE VALLEY GUTTER DET D, DWG GG3.02	2,441 SF
14	ADJUST SMALL CATCH BASIN TO GRADE DET 1, DWG CG4.01	2 EA
17	ADJUST TO GRADE SEWER CLEANOUT FRAME AND COVER DET 2, DWG CG4.05	1 EA
39	CONCRETE TO AC PAVEMENT JOINT DET 4, DWG GG3.03	356 LF
40	HANGAR FOUNDATION TO CONCRETE RIBBON CURB EXPANSION JOINT DET 3, DWG GG3.03	356 LF

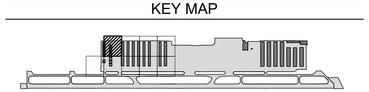
REFERENCE NOTES

1. PROTECT IN PLACE
2. VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION, PROTECT IN PLACE
4. THE ELEVATIONS AT THE VALLEY GUTTER INDICATED ON THE PLANS APPLY TO BOTH SIDES OF THE VALLEY GUTTER
5. MATCH EXISTING PAVEMENT ELEVATIONS

LEGEND

- LIGHT AC PAVEMENT SECTION SECT B, DWG GG3.02
- CONCRETE RIBBON CURB MAG STD DET 220-1, TYPE B (MOD) DET 2, DWG GG3.03
- EXISTING AC PAVEMENT
- EXISTING CONCRETE

KEY MAP



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ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DANIE H. DANA Date Signed 07/30/26 ARIZONA U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

REVISIONS

No.	Date	Description

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
PAVEMENT & GRADING PLAN 9

Scale 1"-20'
Date 7/30/2026

CG1.09

Contact Arizona 811 at least two full working days before you begin excavation
ARIZONA811
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SHT. 35
OF 86

DSC #

FILE NAME: 20058_14-GD1_07-08 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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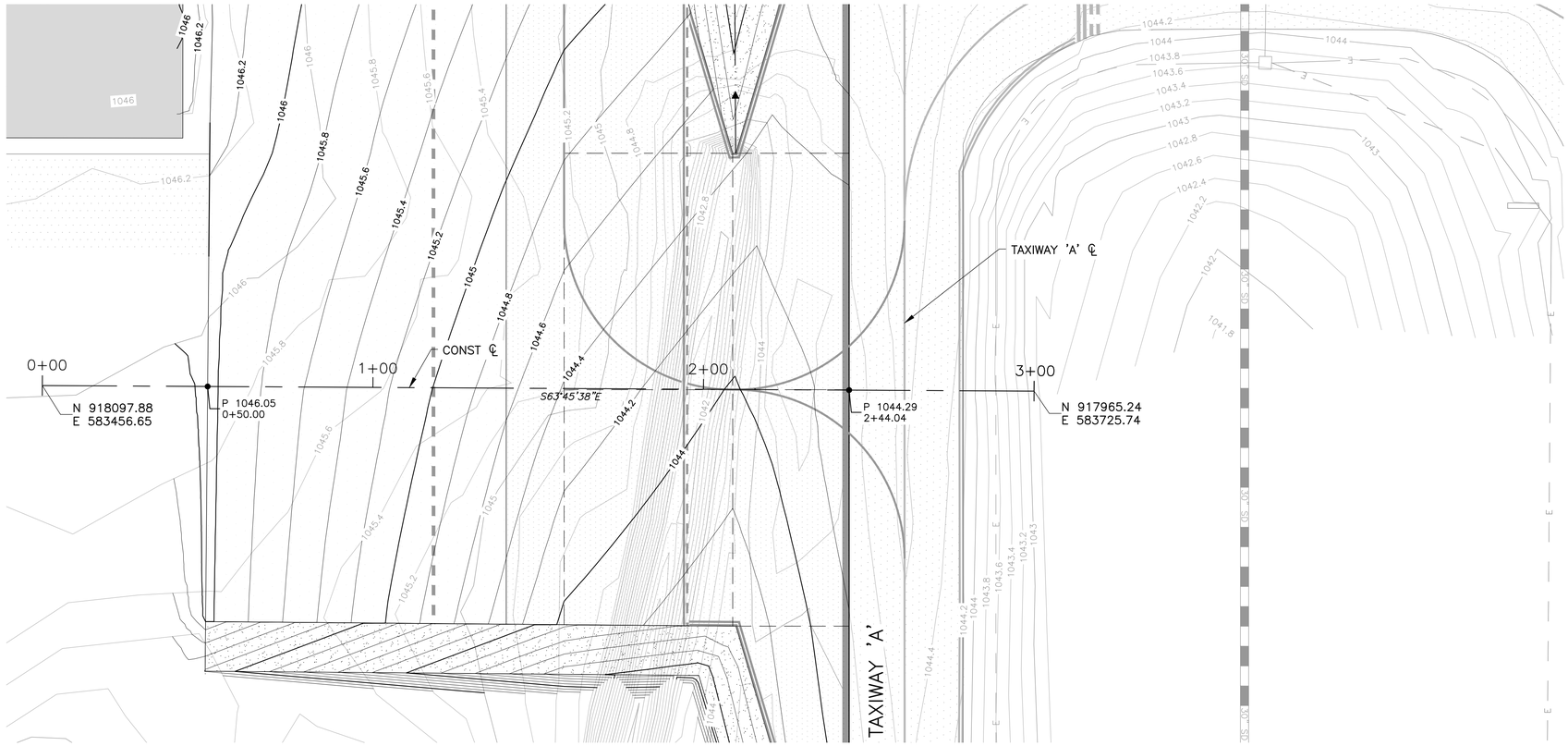
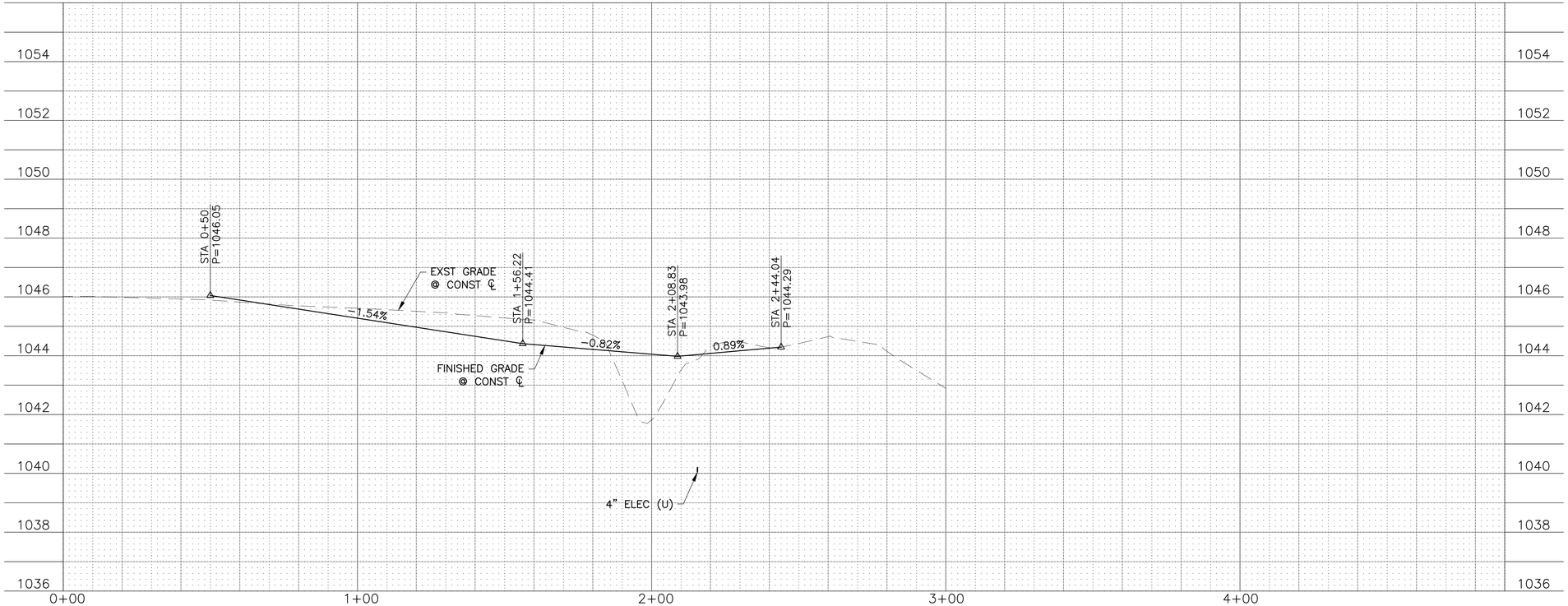
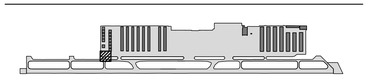




PROFILE ELEVATIONS LEGEND
(U) = UNKNOWN
(S) = FIELD MEASUREMENT – SURVEY
(PH)= FIELD MEASUREMENT – POTHOLE
(R) = RECORD DRAWING (DESIGN/AS-BUILT)

KEY MAP



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5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DUANE H. DANA Date Signed 07/30/26 ARIZONA U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
R-1 TAXIWAY CONNECTOR PLAN & PROFILE

Scale 1"-20'
Date 7/30/2026

CG2.01

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SHT. 36
OF 86

FILE NAME: 20058_14-GD2_01 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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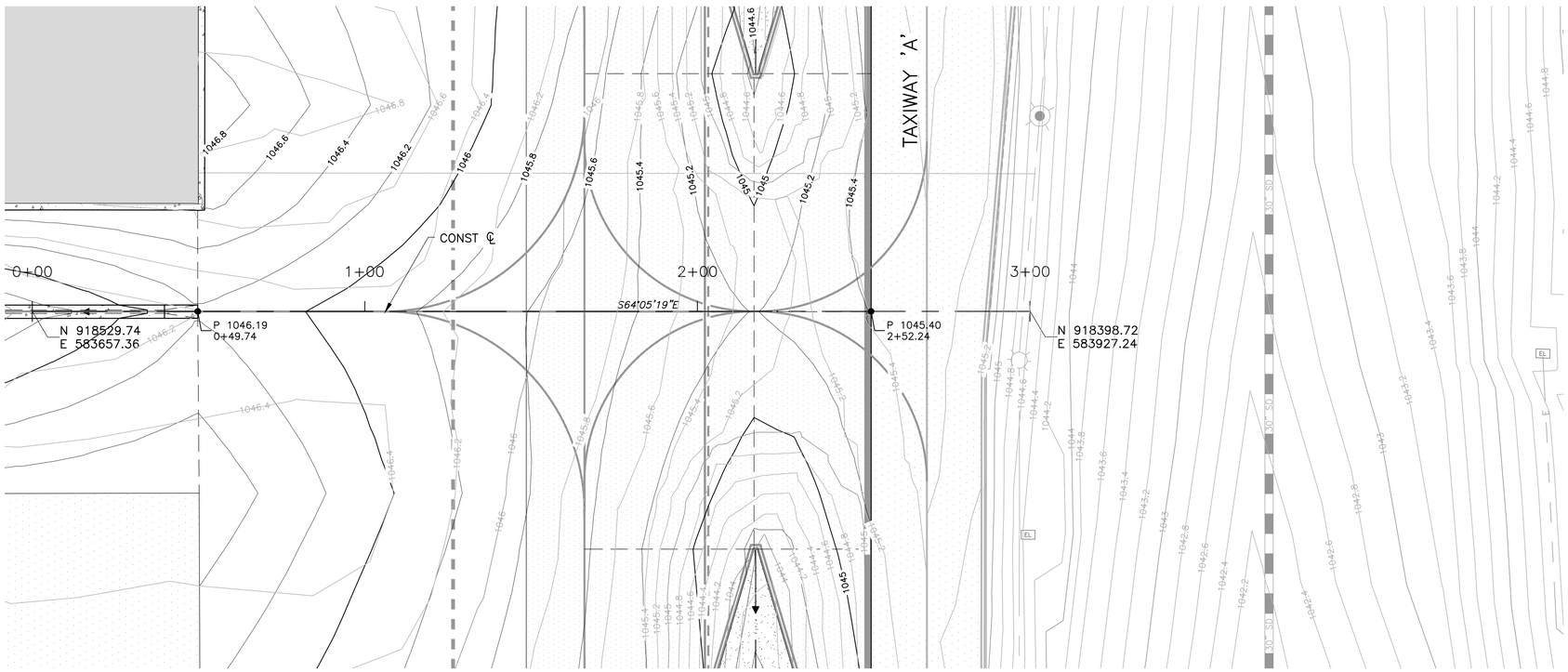
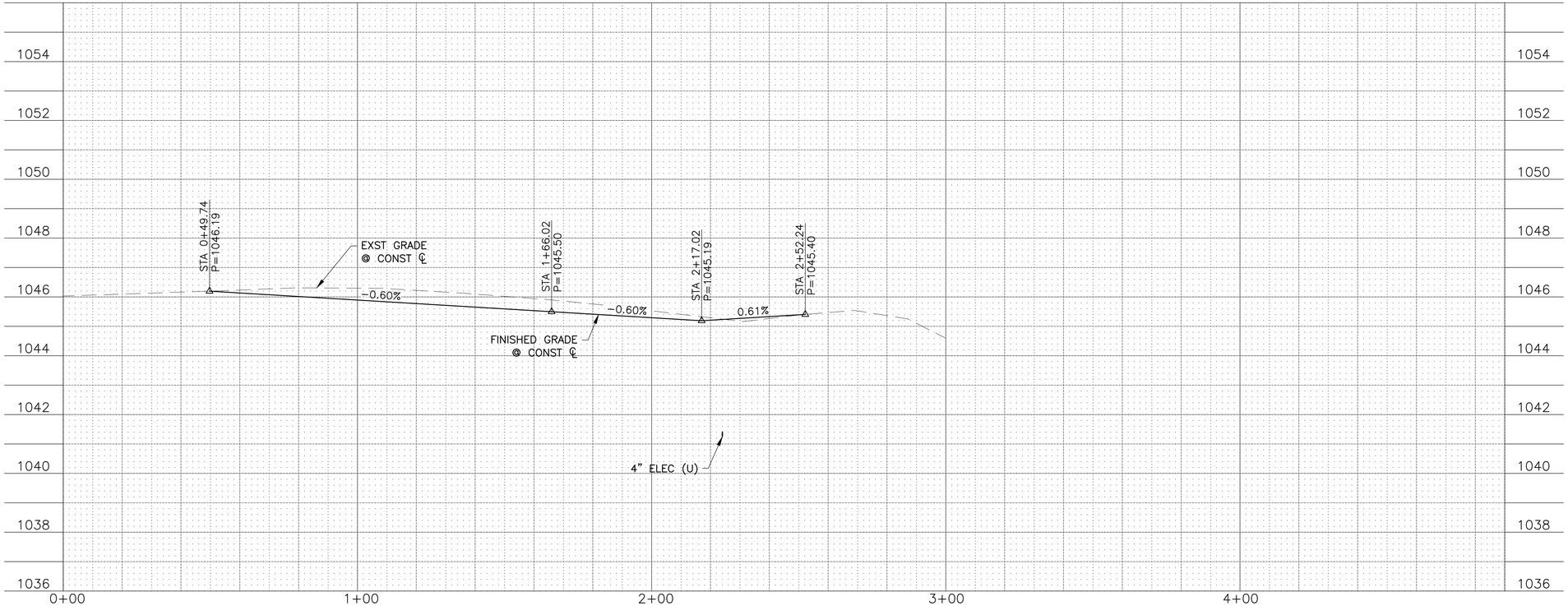
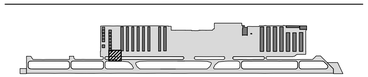




PROFILE ELEVATIONS LEGEND
(U) = UNKNOWN
(S) = FIELD MEASUREMENT – SURVEY
(PH)= FIELD MEASUREMENT – POTHOLE
(R) = RECORD DRAWING (DESIGN/AS-BUILT)

KEY MAP



DIBBLE

Glendale ARIZONA

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ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DUANE H. DANA Date Signed 07/30/26 ARIZONA U.S.A.

Designed	DS
Drawn	DSO
Checked	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
R-2 TAXIWAY CONNECTOR PLAN & PROFILE

Scale 1"-20'
Date 7/30/2026

CG2.02

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ARIZONA811
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SHT. 37
OF 86

DSC # -----

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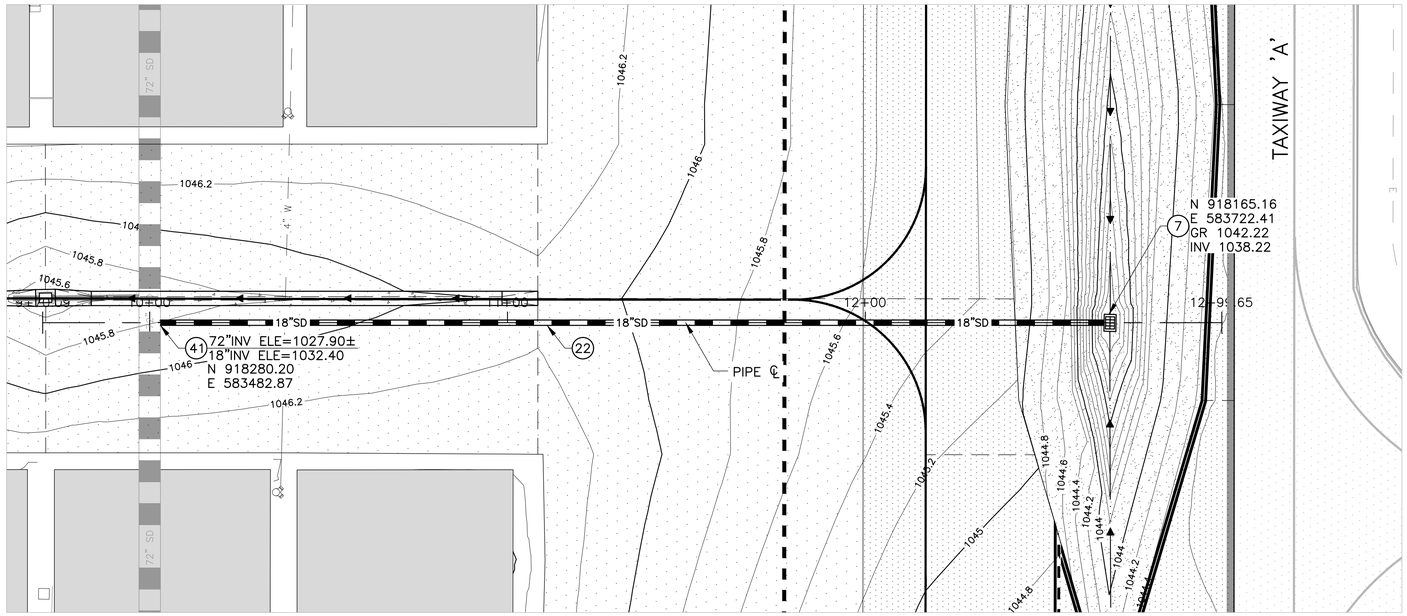
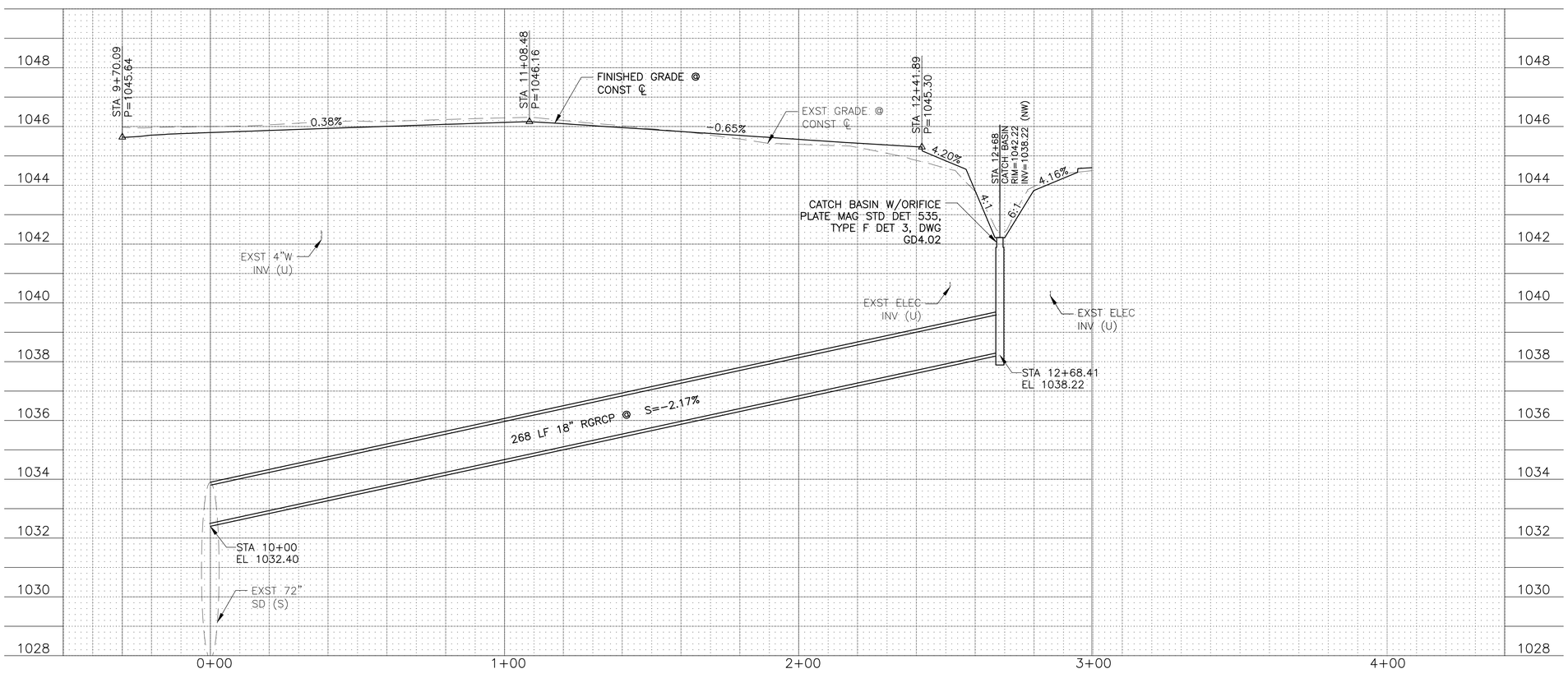


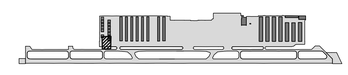
0' 10' 20' 40'
SCALE: 1"=20'

CONSTRUCTION NOTES	
(7) CATCH BASIN W/ORIFICE PLATE MAG STD DET 535, TYPE F DET 1 & DET 4, DWG CG4.02	1 EA
(22) 18" RGRCP CLASS IV STORM DRAIN PIPE, DET 5, DWG CG4.02	264 LF
(41) LATERAL PIPE CONNECTION (MAG STD DET 524) ADJUST LOCATION TO BE 4' FROM ANY EXISTING PIPE JOINT DET 2, DWG CG4.02	NPI



PROFILE ELEVATIONS LEGEND
(U) = UNKNOWN
(S) = FIELD MEASUREMENT – SURVEY
(PH)= FIELD MEASUREMENT – POTHOLE
(R) = RECORD DRAWING (DESIGN/AS-BUILT)

KEY MAP



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ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DUANE H. DANA Date Signed 07/30/26 ARIZONA U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
STORM DRAIN PLAN & PROFILE

Scale 1"-20'
Date 7/30/2026

CG2.03

Contact Arizona 811 at least two full working days before you begin excavation
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SHT. 38
OF 86

DSC #

FILE NAME: 20058_14-GD2_03 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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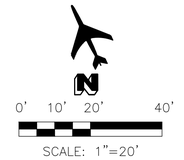

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CITY OF GLENDALE

ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DUANE H. DANA Date Signed 07/30/26 Arizona U.S.A.

Designed	DS
Drawn	DSO
Checked	VG

REVISIONS

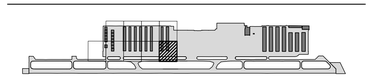
No.	Date	Description

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
PAVEMENT ELEVATION PLAN 1

Scale 1"-20'
Date 7/30/2026

CG3.01

KEY MAP



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OF 86

DSC # - - - - - -

FILE NAME: 20058_14-GD3_01X PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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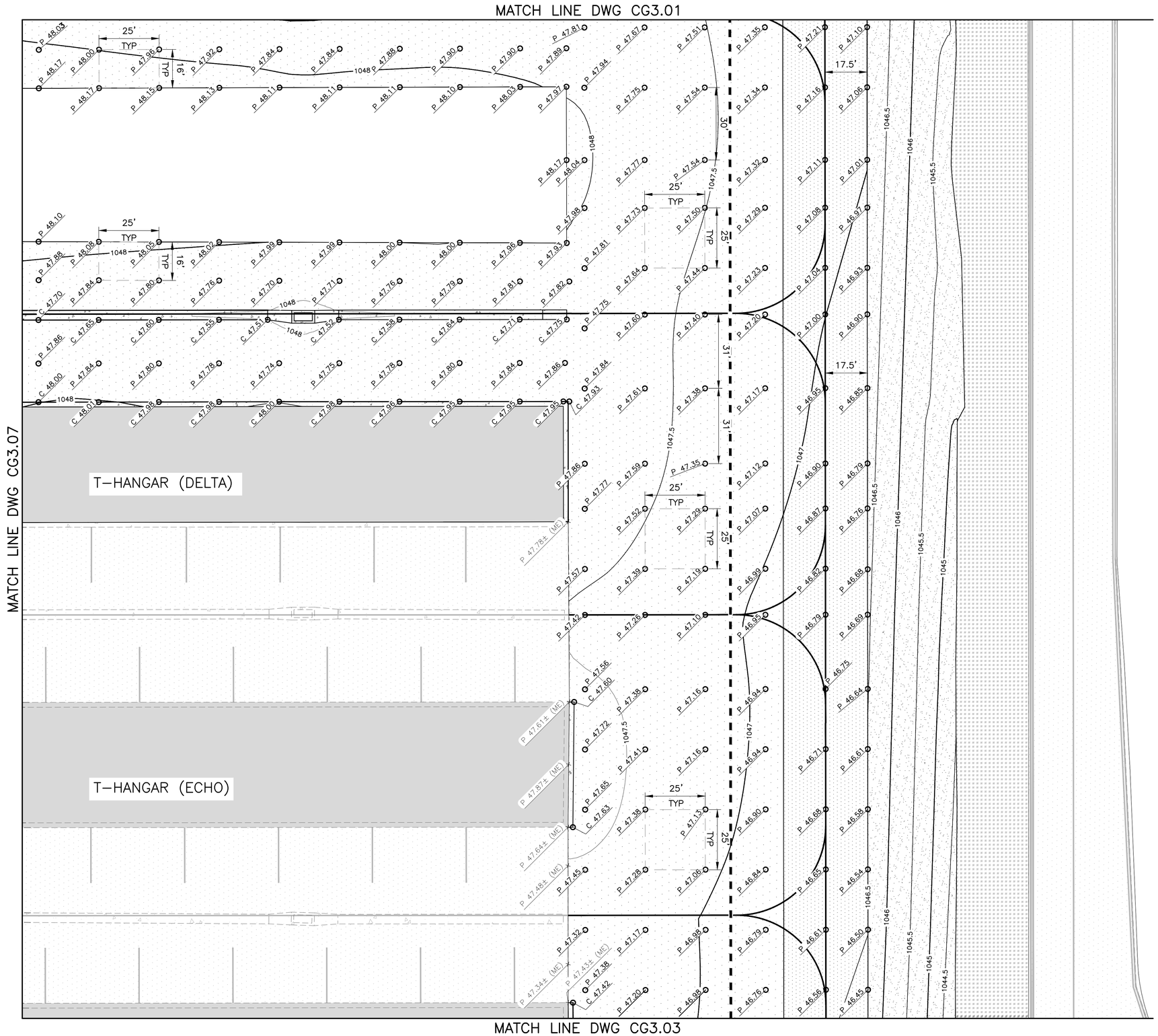
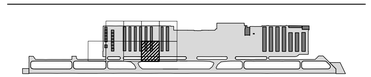


N

0' 10' 20' 40'

SCALE: 1"=20'

KEY MAP



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5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DUANE H. DANA Date Signed 07/30/26 ARIZONA U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
PAVEMENT ELEVATION PLAN 2

Scale 1"-20'
Date 7/30/2026

CG3.02

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

SHT. 40
OF 86

DSC # - - - - -

FILE NAME: 20058_14-GD3_01X PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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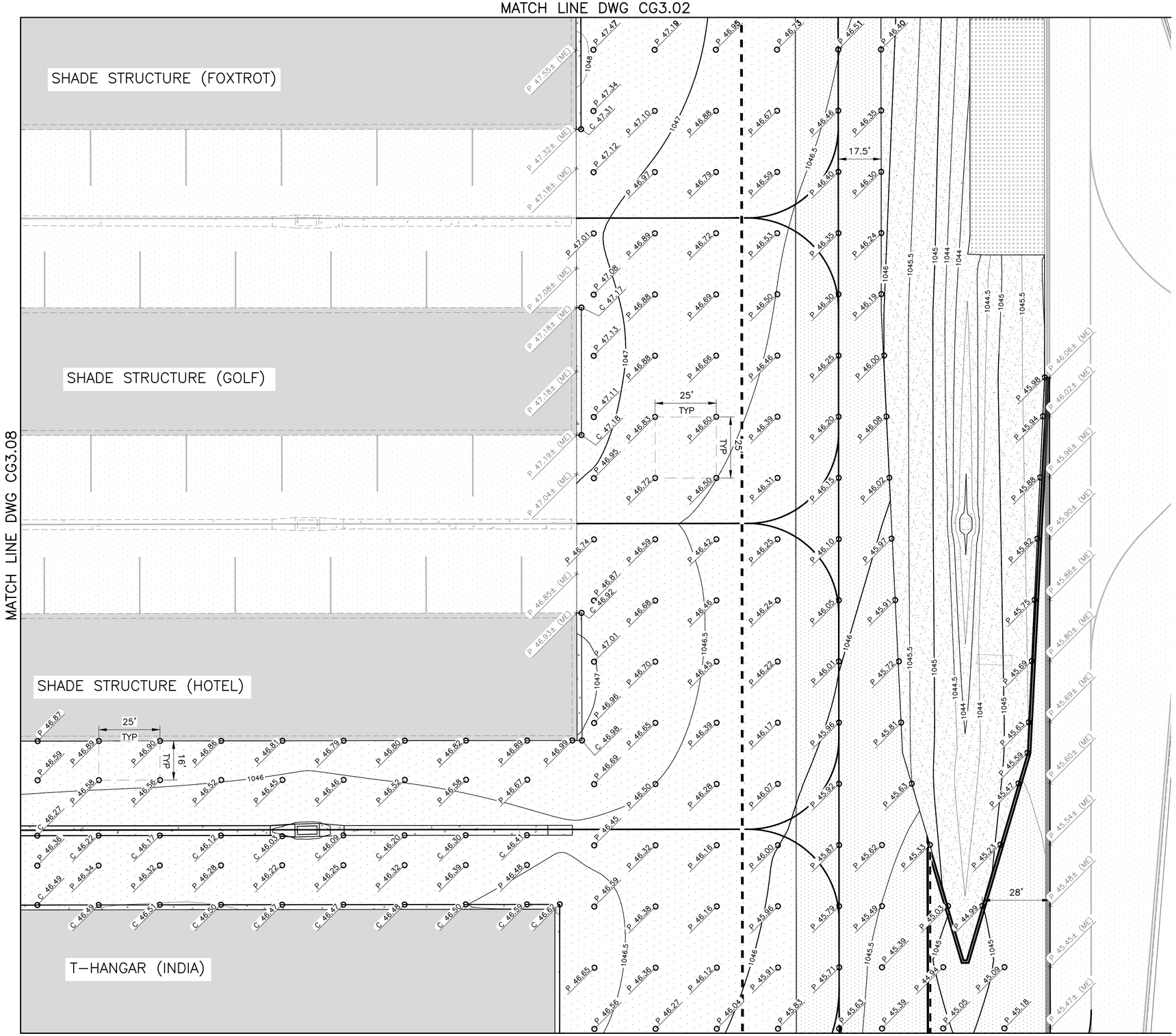
MATCH LINE DWG CG3.02



MATCH LINE DWG CG3.08

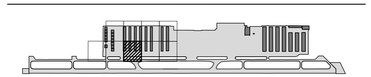
MATCH LINE DWG CG3.04

N

0' 10' 20' 40'

SCALE: 1"=20'

KEY MAP



DIBBLE

Glendale ARIZONA

CITY OF GLENDALE

ENGINEERING DEPARTMENT

5850 W. GLENDALE AVE.

GLENDALE, ARIZONA 85301 (623) 930-3630

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Drawn	DSO
Checked	VG

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No.	Date	Description

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III

6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307

PAVEMENT ELEVATION PLAN 3

Scale 1"-20'

Date 7/30/2026

CG3.03

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SHT. 41 OF 86

DSC #

FILE NAME: 20058_14-GD3_01X PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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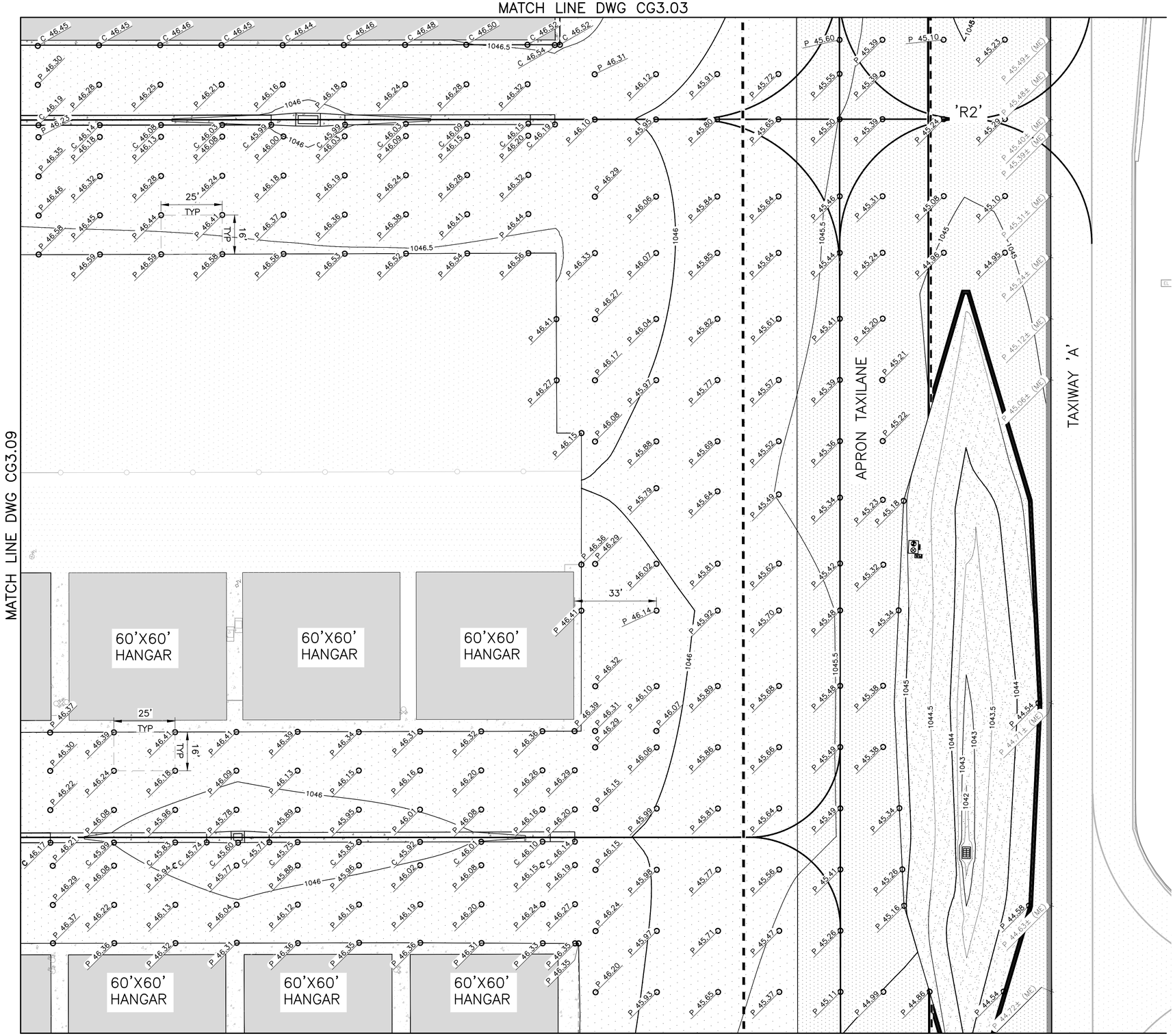


MATCH LINE DWG CG3.09

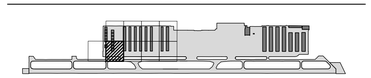
MATCH LINE DWG CG3.05

N

0' 10' 20' 40'

SCALE: 1"=20'

KEY MAP



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ENGINEERING DEPARTMENT
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No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III

6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307

PAVEMENT ELEVATION PLAN 4

Scale 1"-20'
Date 7/30/2026

CG3.04

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SHT. 42
OF 86

DSC #

FILE NAME: 20058_14-GD3_01X PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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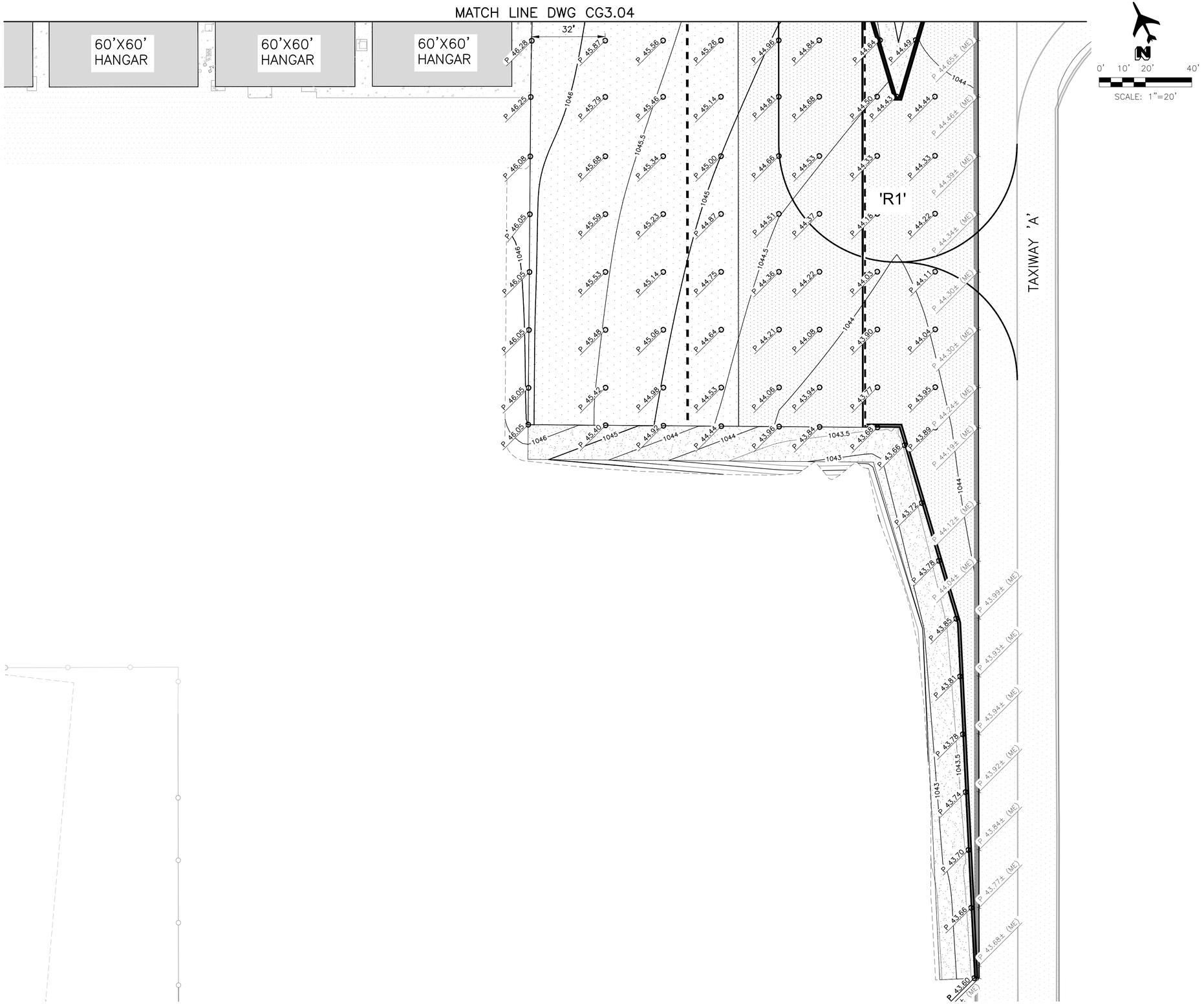

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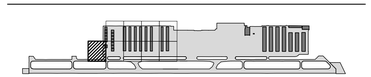

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Registered Professional Engineer (Civil) 47425 DUANE H. DANA Arizona U.S.A. 08/04/26

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DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
PAVEMENT ELEVATION PLAN 5

Scale 1"-20'
Date 7/30/2026

CG3.05

Contact Arizona 811 at least two full working days before you begin excavation
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SHT. 43
OF 86

DSC # - - - - - -

FILE NAME: 20058_14-GD3_01X PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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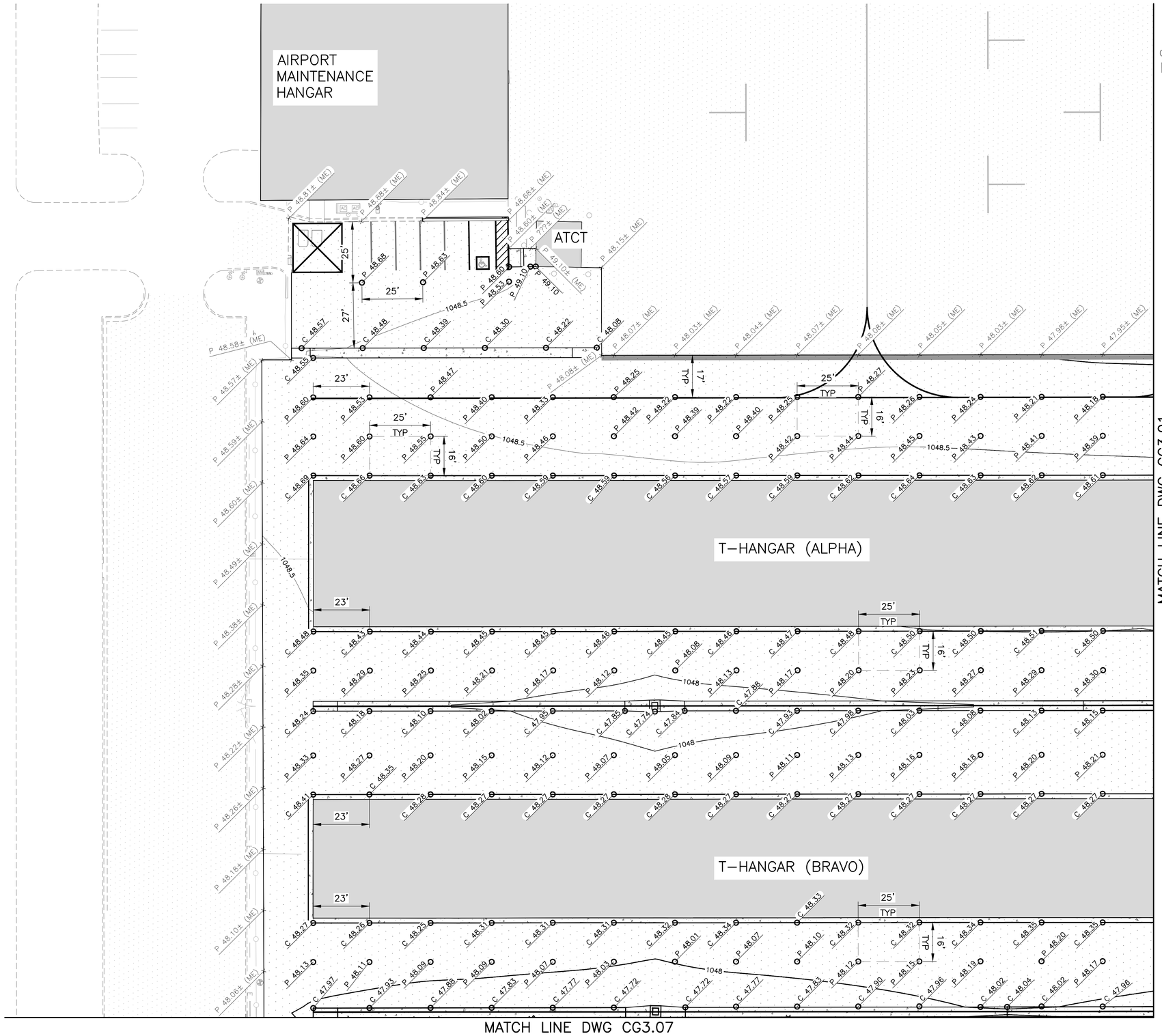

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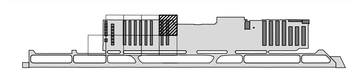

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Designed	Drawn	Checked
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No.	Date	Description

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
PAVEMENT ELEVATION PLAN 6

Scale 1"-20'
Date 7/30/2026

CG3.06

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SHT. 44
OF 86

DSC # - - - - - - -

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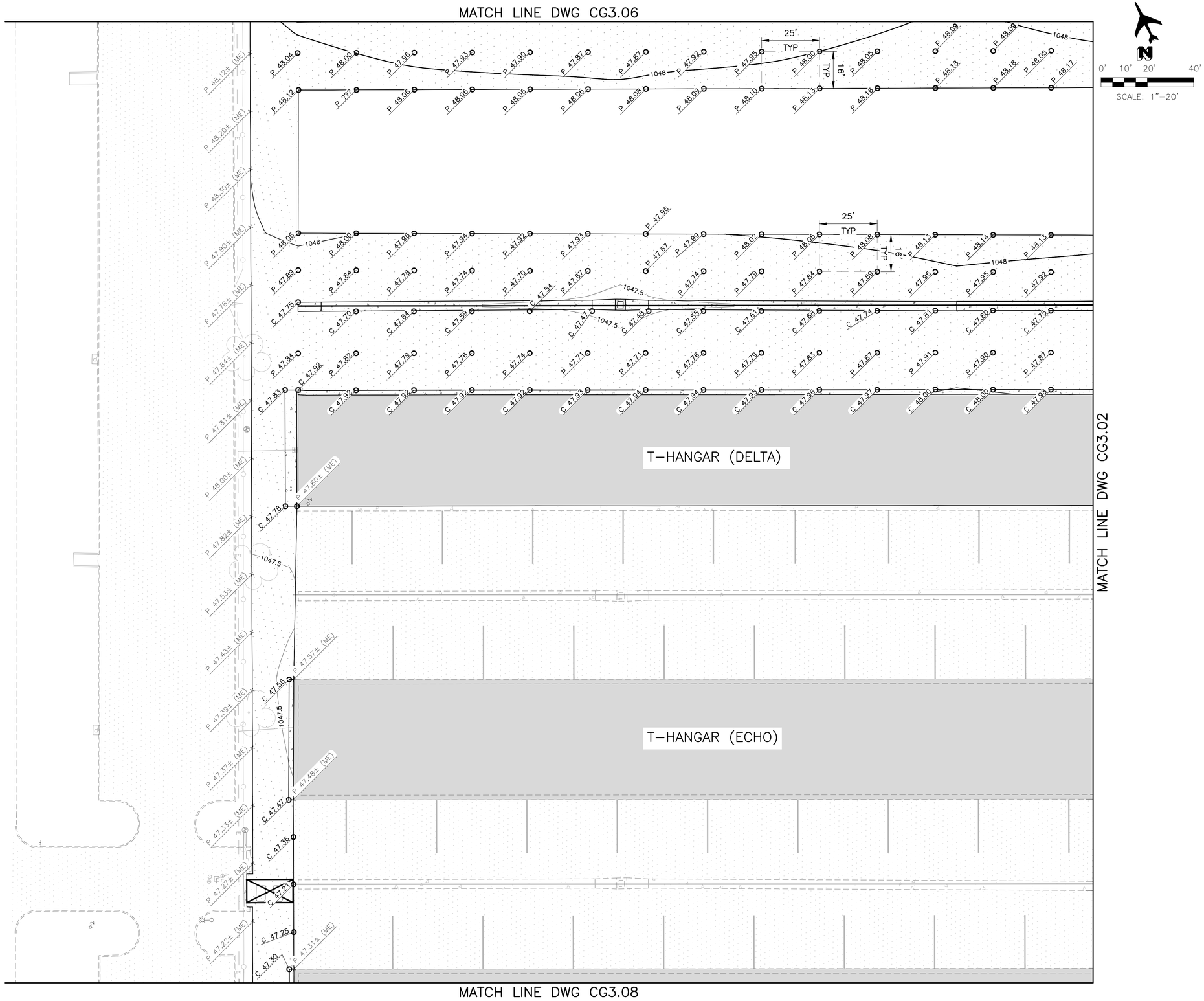

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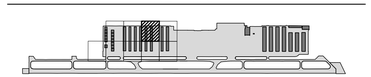

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GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
PAVEMENT ELEVATION PLAN 7

Scale 1"-20'
Date 7/30/2026

CG3.07

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SHT. 45
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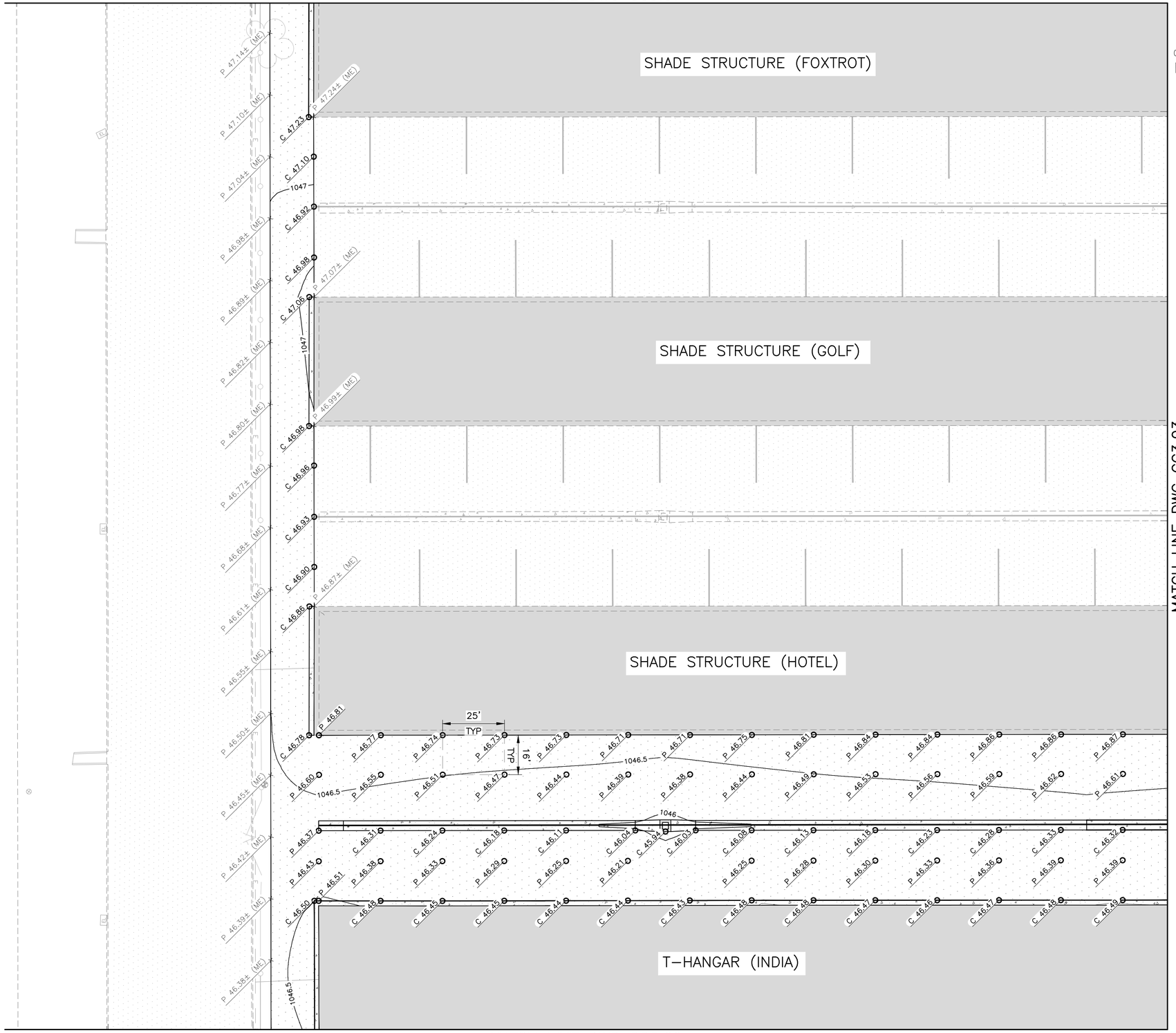
MATCH LINE DWG CG3.07



MATCH LINE DWG CG3.09

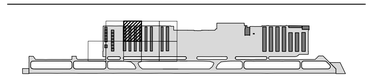
MATCH LINE DWG CG3.03

N

0' 10' 20' 40'

SCALE: 1"=20'

KEY MAP



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No.	Date	Description

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GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III

6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307

PAVEMENT ELEVATION PLAN 8

Scale 1"-20'

Date 7/30/2026

CG3.08

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

ARIZONA811

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SHT. 46

OF 86

DSC #

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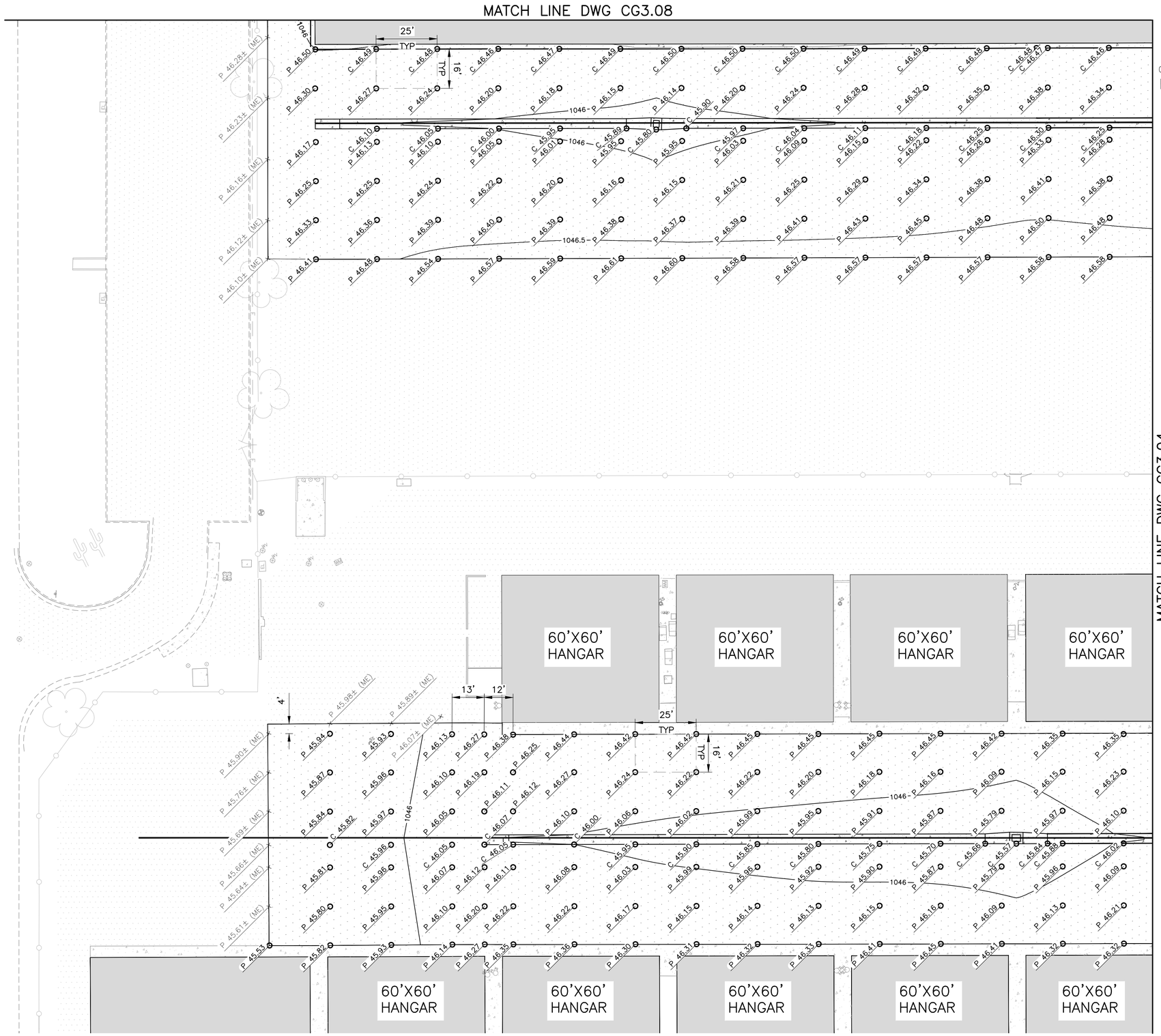
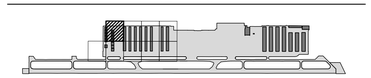


0' 10' 20' 40'
SCALE: 1"=20'

KEY MAP



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GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DUANE H. DANA Date Signed 07/30/26 Arizona U.S.A.

Designed	DS
Drawn	DSO
Checked	VG

REVISIONS

No.	Date	Description

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
PAVEMENT ELEVATION PLAN 9

Scale 1"-20'
Date 7/30/2026

CG3.09

Contact Arizona 811 at least two full working days before you begin excavation
ARIZONA811
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SHT. 47
OF 86

DSC # - - - - -

FILE NAME: 20058_14-GD3_01X PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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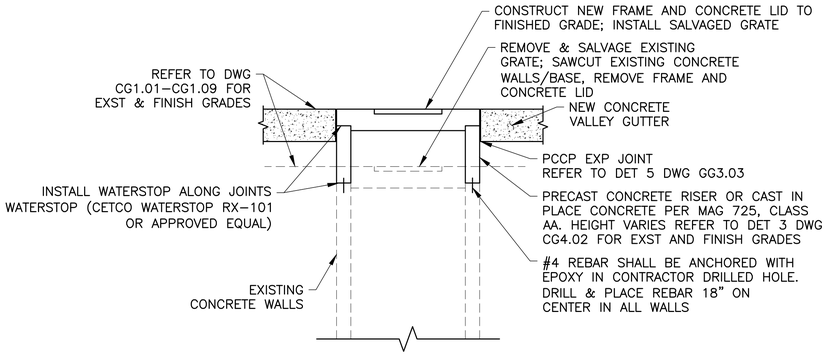

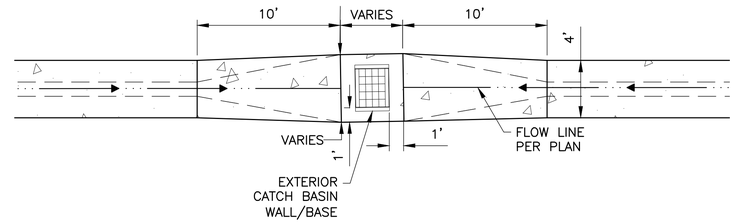

1 ADJUST EXISTING CATCH BASIN
NTS

EXISTING CATCH BASIN ADJUSTMENT NOTES:

1. ALL STRUCTURAL STEEL TO BE PAINTED ONE SHOP COAT OF NO. 1 PAINT AND TWO FIELD COATS OF NO. 10 PAINT AS PER SECT. 790.
2. ALL WELDS ON FRAME AND SIDE BARS ON GRATE SHALL BE FULL LENGTH OF JOINT.
3. TOTAL COMBINED CLEARANCE BETWEEN FRAME AND GRATE IS 1/2".
4. ALL CONCRETE SHALL BE CLASS 'AA' PER MAG 725
5. ALL CATCH BASIN FRAMES & COVERS SHALL BE DESIGNED FOR HIGHWAY LOADINGS (AASHTO HS–20)
6. PAINT EXPOSED REBAR WITH ASPHALT MASTIC.
7. WHEN REQUIRED, NON–STANDARD GRATE PLATE SPACING SHALL ONLY BE SMALLER THAN SPECIFIED SPACING AND SHALL OCCUR ON THE END SPACES OF A GRATE.
8. PAINT EXPOSED REBAR WITH ASPHALT MASTIC.
9. CONTRACTOR SHALL VERIFY EXISTING INTERIOR AND EXTERIOR CATCH BASIN AND GRATE DIMENSIONS.
10. CONTRACTOR SHALL PREPARE SHOP DRAWINGS WITH VERIFIED DIMENSIONS AND PROPOSED ADJUSTMENTS. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
11. NEW CONCRETE VALLEY GUTTER SHALL EXTEND 1' FROM THE CATCH BASIN EXTERIOR WALL/BASE.

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Glendale ARIZONA

CITY OF GLENDALE
ENGINEERING DEPARTMENT
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Registered Professional Engineer (Civil) 47425 DANE H. DANA Date Signed 07/30/26 ARIZONA U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
STORM DRAIN DETAILS 1

Scale NTS
Date 7/30/2026

CG4.01

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SHT. 48
OF 86

DSC # - - - - - -

FILE NAME: 20058_14-GD4_01-04 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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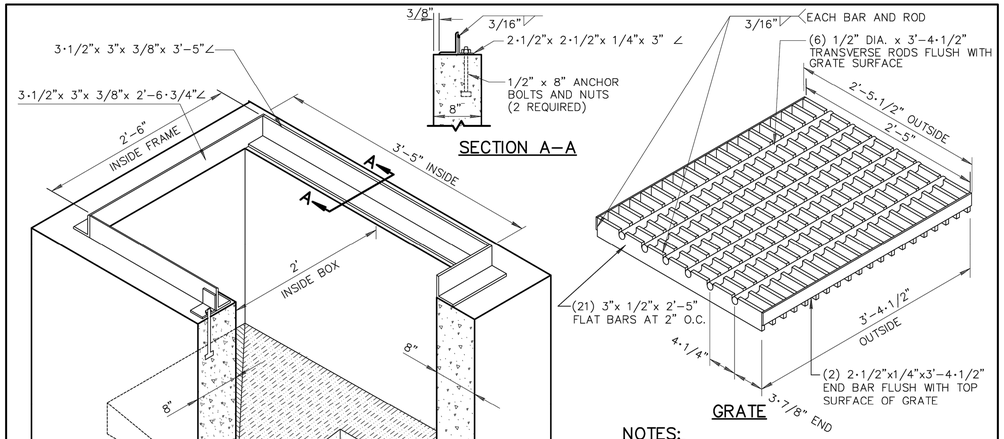


NOTE:
SEE DETAIL 534–1 FOR THICKNESS AND SLOPE DIMENSIONS OF BOTTOM.

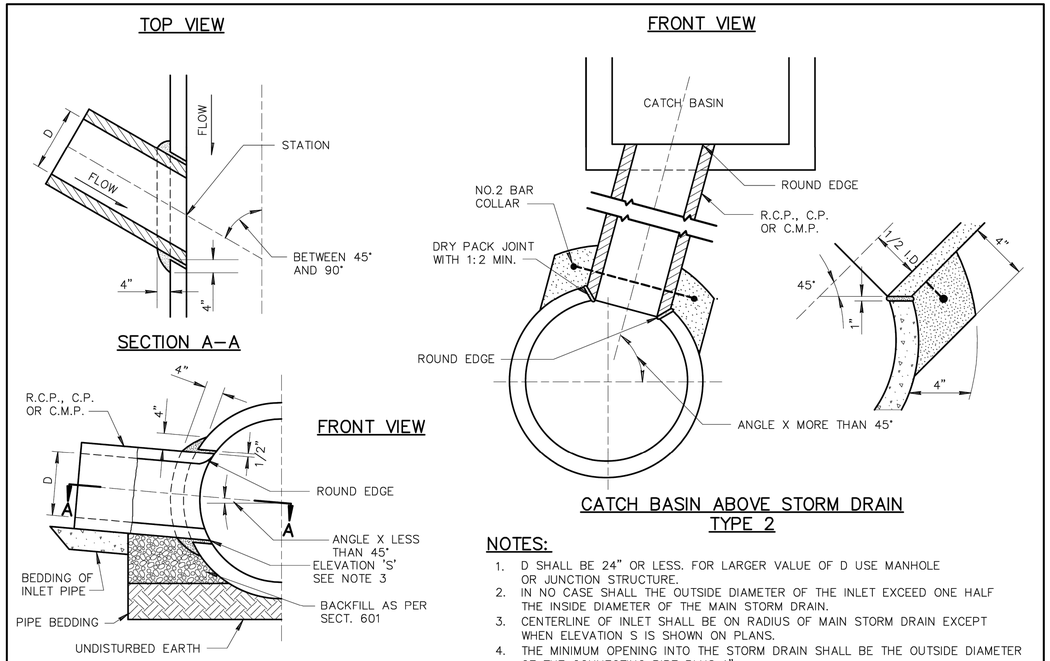
GRATE

NOTES:

1. PIPES MAY ENTER OR LEAVE ANY WALL. BOTTOM OF BOX TO BE SLOPED TO OUTLET PIPE FROM ALL DIRECTIONS AND TROWELLED TO A HARD SMOOTH SURFACE.
2. CONNECTION PIPES MAY BE PLACED IN ANY POSITION AROUND THE WALLS PROVIDED THE POSITION IS CONSISTENT WITH THE PLAN.
3. OUTLET PIPE SHALL BE TRIMMED TO FINAL SHAPE AND LENGTH BEFORE CONCRETE IS POURED.
4. ALL STRUCTURAL STEEL TO BE PAINTED ONE SHOP COAT OF NO. 1 PAINT AND TWO FIELD COATS OF NO. 10 PAINT AS PER SECT. 790.
5. ALL WELDS ON FRAME AND SIDE BARS ON GRATE SHALL BE FULL LENGTH OF JOINT.
6. TOTAL COMBINED CLEARANCE BETWEEN FRAME AND GRATE IS 1/2".

DETAIL NO.	MARICOPA ASSOCIATION of GOVERNMENTS	STANDARD DETAIL ENGLISH	CATCH BASIN TYPE 'F' (FOR USE WITHOUT CURB)	REVISED	DETAIL NO.
535				01–01–2009	535

1 CATCH BASIN TYPE 'F'
NTS



CATCH BASIN ABOVE STORM DRAIN TYPE 2

NOTES:

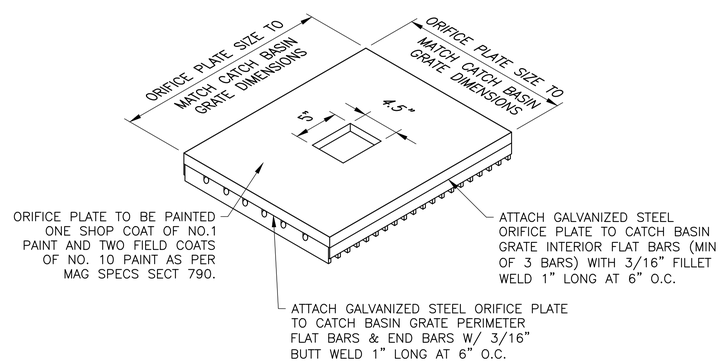
1. D SHALL BE 24" OR LESS. FOR LARGER VALUE OF D USE MANHOLE OR JUNCTION STRUCTURE.
2. IN NO CASE SHALL THE OUTSIDE DIAMETER OF THE INLET EXCEED ONE HALF THE INSIDE DIAMETER OF THE MAIN STORM DRAIN.
3. CENTERLINE OF INLET SHALL BE ON RADIUS OF MAIN STORM DRAIN EXCEPT WHEN ELEVATION S IS SHOWN ON PLANS.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

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

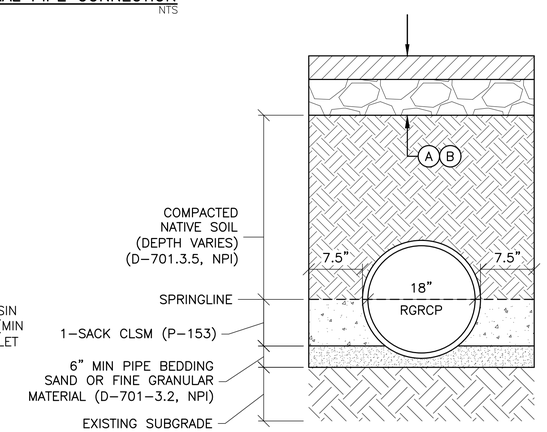
2 LATERAL PIPE CONNECTION
NTS

CATCH BASIN SCHEDULE							
INLET NO.	INTERNAL SIZE* L X W X H	GRATE SIZE L X W	# OF GRATE UNITS	SHORT SIDE ANCHORS	LONG SIDE ANCHORS	EG GRATE ELEV	FG GRATE ELEV
A–1	8'–0" X 2'–8" X 15.41'	7'–11 1/2" X 3'–2 1/4"	1	2	3	45.672	45.891
A–2	8'–0" X 2'–8" X 15.64'	7'–11 1/2" X 3'–2 1/4"	1	2	3	46.023	45.982
A–7	7'–6" X 2'–8" X 14.94'	7'–5 1/2" X 3'–2 1/4"	1	2	3	47.259	47.417
A–8	7'–6" X 2'–8" X 14.35'	7'–5 1/2" X 3'–2 1/4"	1	2	3	47.419	47.546
A–9	6'–6" X 2'–8" X 13.80'	6'–5 1/2" X 3'–2 1/4"	1	2	3	47.692	47.809
B–1	2'–8" X 1'–9" X 4.47'	2'–7 1/2" X 2'–3 1/4"	1	2	2	45.752	45.797
C–1	2'–8" X 1'–9" X 4.45'	2'–7 1/2" X 2'–3 1/4"	1	2	2	45.917	45.935
D–1	2'–8" X 1'–9" X 4.33'	2'–7 1/2" X 2'–3 1/4"	1	2	2	–	42.220
H–1	2'–8" X 1'–9" X 4.37'	2'–7 1/2" X 2'–3 1/4"	1	2	2	47.120	47.374
I–1	2'–8" X 1'–9" X 4.49'	2'–7 1/2" X 2'–3 1/4"	1	2	2	47.548	47.617
J–1	2'–8" X 1'–9" X 4.53'	2'–7 1/2" X 2'–3 1/4"	1	2	2	47.721	47.743
K–1	3'–5" X 2'–7 1/4" X 5.5'	3'–2" X 2'–6 1/2"	1	2	2	46.032	45.569
L–1	3'–5" X 2'–7 1/4" X 6.2'	3'–2" X 2'–6 1/2"	1	2	2	45.875	45.596
*EXISTING DIMENSIONS FROM AS BUILTS. CONTRACTOR TO FIELD VERIFY							

3 CATCH BASIN SCHEDULE
NTS



4 4.5"X5" OPENING CATCH BASIN ORIFICE PLATE
NTS



STORM DRAIN TRENCH SECTION NOTES:

1. REFER TO DWG GG3.02 FOR HEAVY AND LIGHT AC PAVEMENT SECTIONS A & B
2. CRUSHED AGGREGATE BASE COURSE AND ASPHALT SURFACE COURSE PAID FOR SEPARATELY.

5 STORM DRAIN TRENCH SECTION
NTS

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Registered Professional Engineer (Civil) 47425 DUANE H. DANA Date Signed 07/30/26 Arizona U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
STORM DRAIN DETAILS 2

Scale NTS
Date 7/30/2026

CG4.02

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ARIZONA811
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SHT. 49
OF 86

DSC # ------

FILE NAME: 20058_14-GD4_01-04 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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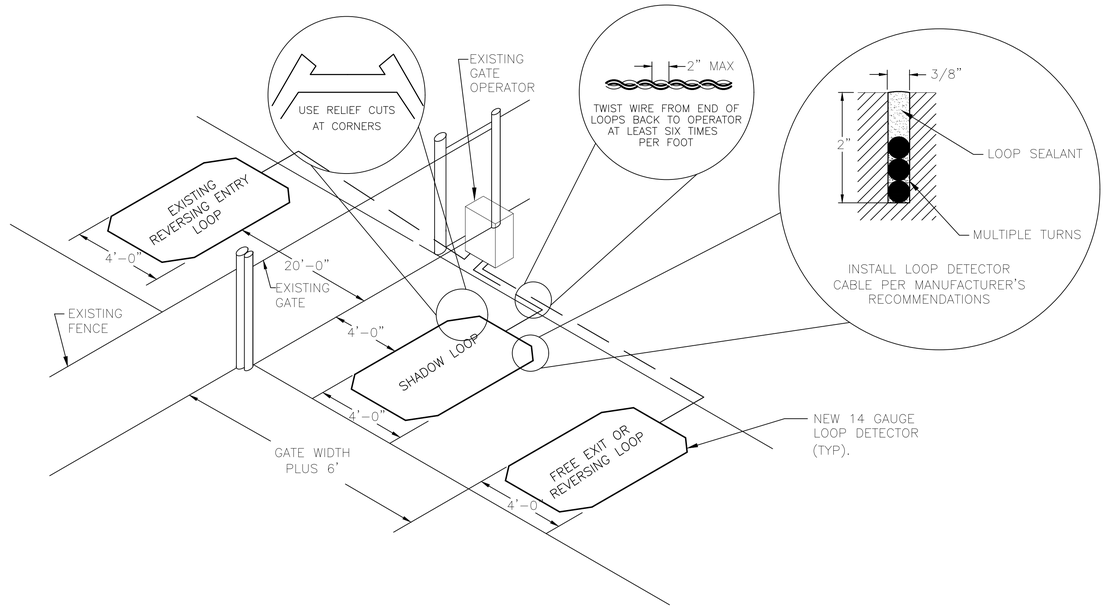
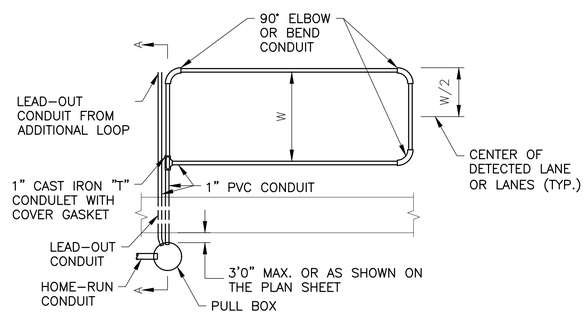
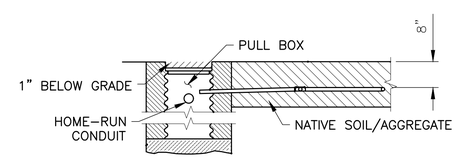




NOTE: ORIENTATION OF DETECTION LOOP MAY VARY.



NOTE: RECESS PULL BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF NATIVE SOIL/AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

1 VEHICLE DETECTION LOOP
NTS

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Glendale ARIZONA

CITY OF GLENDALE
ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DANIEL H. DANA Date Signed 07/30/26 ARIZONA U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

REVISIONS

No.	Date	Description

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
VEHICLE DETECTION LOOP DETAIL

Scale NTS
Date 7/30/2026

CG4.03

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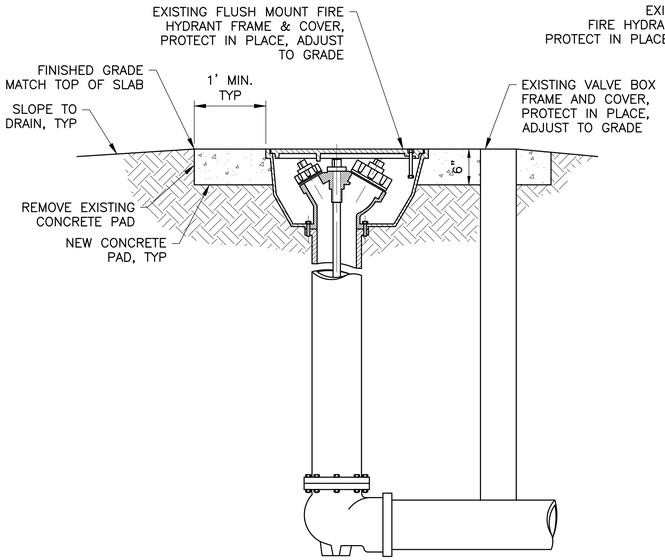
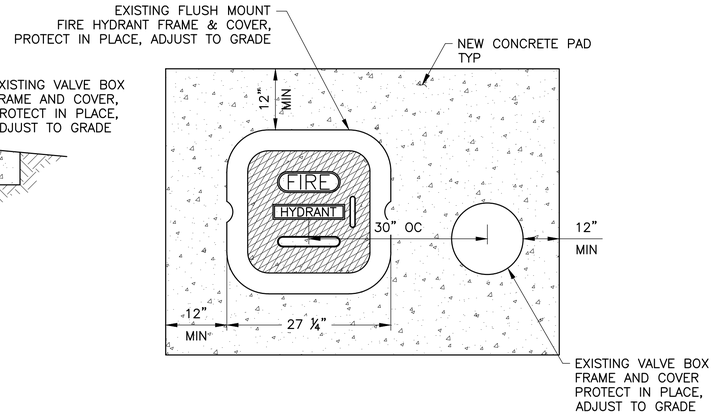


SECTION

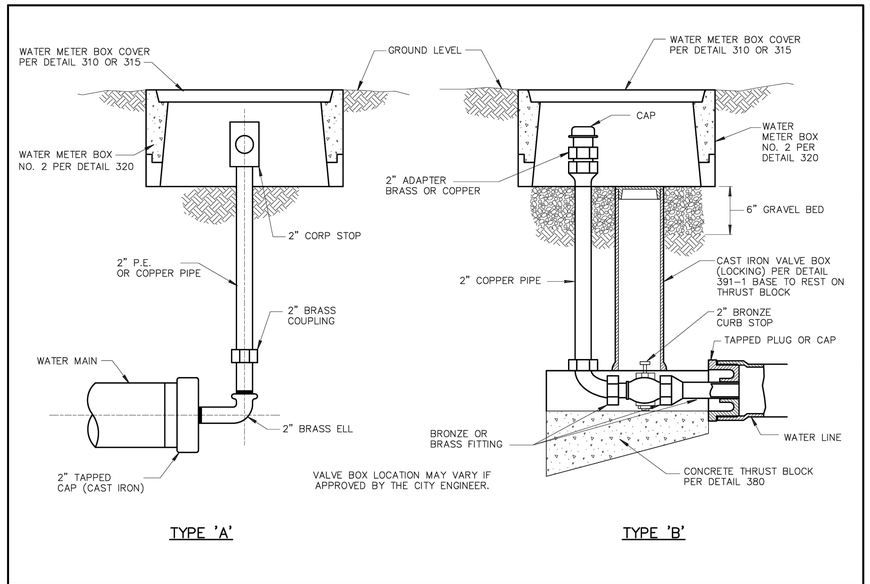


PLAN

FLUSH MOUNT FIRE HYDRANT NOTES:

1. REMOVE EXISTING CONCRETE PAD AROUND FLUSH MOUNT FIRE HYDRANT AND VALVE BOX FRAME AND COVER.
2. ADJUST TO FINISHED GRADE FLUSH MOUNT FIRE HYDRANT AND VALVE BOX FRAME AND COVER PER MAG 391–1.
3. CONSTRUCT NEW CONCRETE PAD AROUND FLUSH MOUNT FIRE HYDRANT AND VALVE BOX FRAME AND COVER.

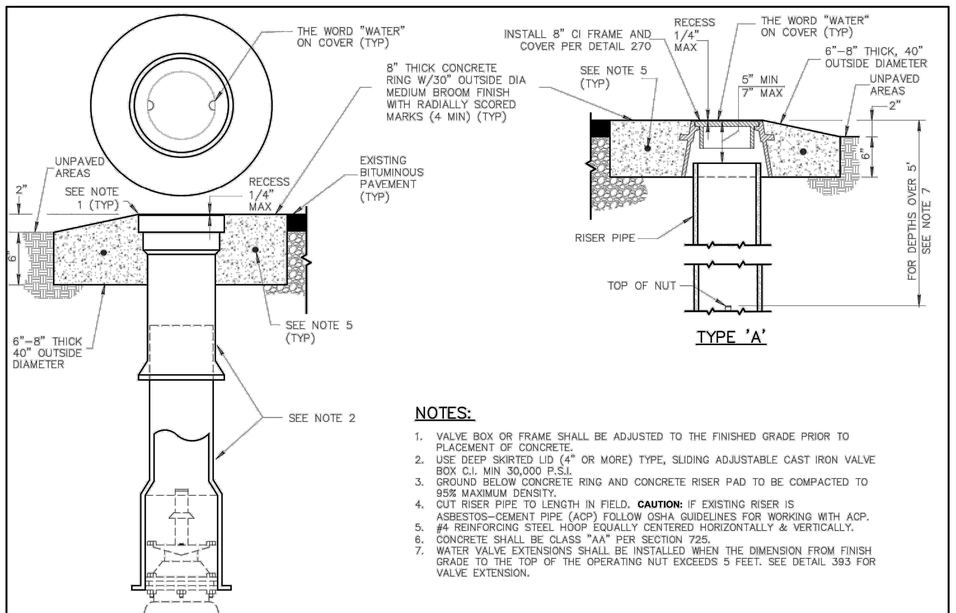
1 FLUSH MOUNT FIRE HYDRANT DETAIL
NTS



TYPE 'A' TYPE 'B'

DETAIL NO.				REVISED	DETAIL NO.
390	MARICOPA ASSOCIATION of GOVERNMENTS	STANDARD DETAIL ENGLISH	CURB STOP WITH FLUSHING PIPE	01–01–2018	390

3 CURB STOP WITH FLUSHING PIPE
NTS



TYPE 'C' TYPE 'A'

NOTES:

1. VALVE BOX OR FRAME SHALL BE ADJUSTED TO THE FINISHED GRADE PRIOR TO PLACEMENT OF CONCRETE.
2. USE DEEP SKIRTED LID (4" OR MORE) TYPE, SLIDING ADJUSTABLE CAST IRON VALVE BOX C.I. MIN 30,000 P.S.I.
3. GROUND BELOW CONCRETE RING AND CONCRETE RISER PAD TO BE COMPACTED TO 95% MAXIMUM DENSITY.
4. CUT RISER PIPE TO LENGTH IN FIELD. **CAUTION:** IF EXISTING RISER IS ASBESTOS–CEMENT PIPE (ACP) FOLLOW OSHA GUIDELINES FOR WORKING WITH ACP.
5. #4 REINFORCING STEEL HOOP EQUALLY CENTERED HORIZONTALLY & VERTICALLY.
6. CONCRETE SHALL BE CLASS "AA" PER SECTION 725.
7. WATER VALVE EXTENSIONS SHALL BE INSTALLED WHEN THE DIMENSION FROM FINISH GRADE TO THE TOP OF THE OPERATING NUT EXCEEDS 5 FEET. SEE DETAIL 393 FOR VALVE EXTENSION.

DETAIL NO.				REVISED	DETAIL NO.
391–1	MARICOPA ASSOCIATION of GOVERNMENTS	STANDARD DETAIL ENGLISH	VALVE BOX INSTALLATION AND GRADE ADJUSTMENT	01–01–2023	391–1

2 WATER VALVE BOX
NTS

DIBBLE

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5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DANIEL H. DANA Date Signed 07/30/26 Arizona U.S.A.

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No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
WATER DETAILS

Scale NTS
Date 7/30/2026

CG4.04

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SHT. 51
OF 86

DSC #

FILE NAME: 20058_14-GD4_01-04 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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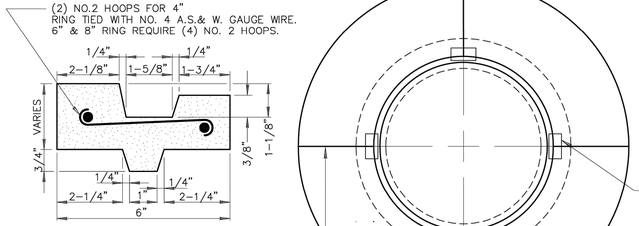
NOTES (TYPE 'A'):

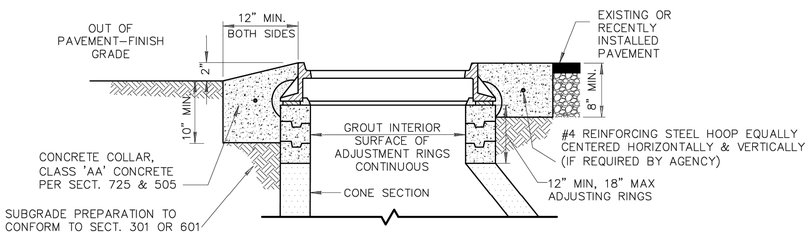
1. CONTRACTORS SHALL ADJUST ALL MANHOLE RINGS AND COVERS, INCLUDING MANHOLES OUTSIDE OF THE PAVEMENT.
2. ADJUSTMENT SHALL BE CONSTRUCTED PER MAG SECTION 345.
3. MANHOLE COATINGS PER SECTION 626.
4. GROUT SHALL BE USED BETWEEN FRAME AND ADJUSTING RING TO ACHIEVE WATER TIGHTNESS.



ADJUSTING RING DETAIL

MEDIUM BROOM FINISH WITH RADIALLY SCORED MARKS (4 MIN.)

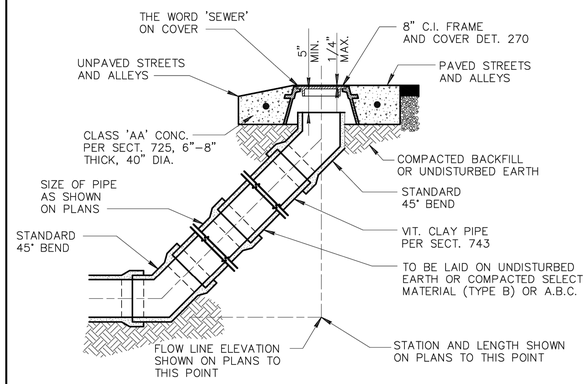
SPACER TYPE	REQUIRED THICKNESS
BRICK	GREATER THAN 2"
4"X2" STEEL SPACER	½" TO 2"
GROUT	LESS THAN ½"



TYPE 'A' CONCRETE RINGS

DETAIL NO.			REVISED	DETAIL NO.
422-1	MARICOPA ASSOCIATION of GOVERNMENTS STANDARD DETAIL ENGLISH	MANHOLE FRAME AND COVER ADJUSTMENT	01-01-2022	422-1

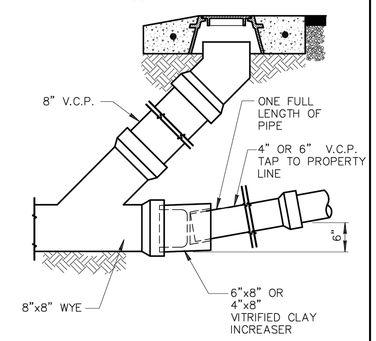
1 MANHOLE RIM ADJUSTMENT
NO SCALE



CLEANOUT INSTALLATION

NOTE:

END OF SEWER TAP TO BE SEALED AND MARKED IN ACCORDANCE WITH DET. 440



SEWER TAP AT CLEANOUT

DETAIL NO.			REVISED	DETAIL NO.
441	MARICOPA ASSOCIATION of GOVERNMENTS STANDARD DETAIL ENGLISH	SEWER CLEANOUT	01-01-2023	441

2 SEWER CLEANOUT
NO SCALE

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Glendale ARIZONA

Registered Professional Engineer (Civil) 47425 DAVID H. DANA Date Signed 07/30/26 ARIZONA U.S.A.

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No.	Date	Description

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
SEWER DETAILS

Scale NTS
Date 7/30/2026

CG4.05

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SHT. 52
OF 86

DSC # -----

FILE NAME: 20058_14-GD4_01-04 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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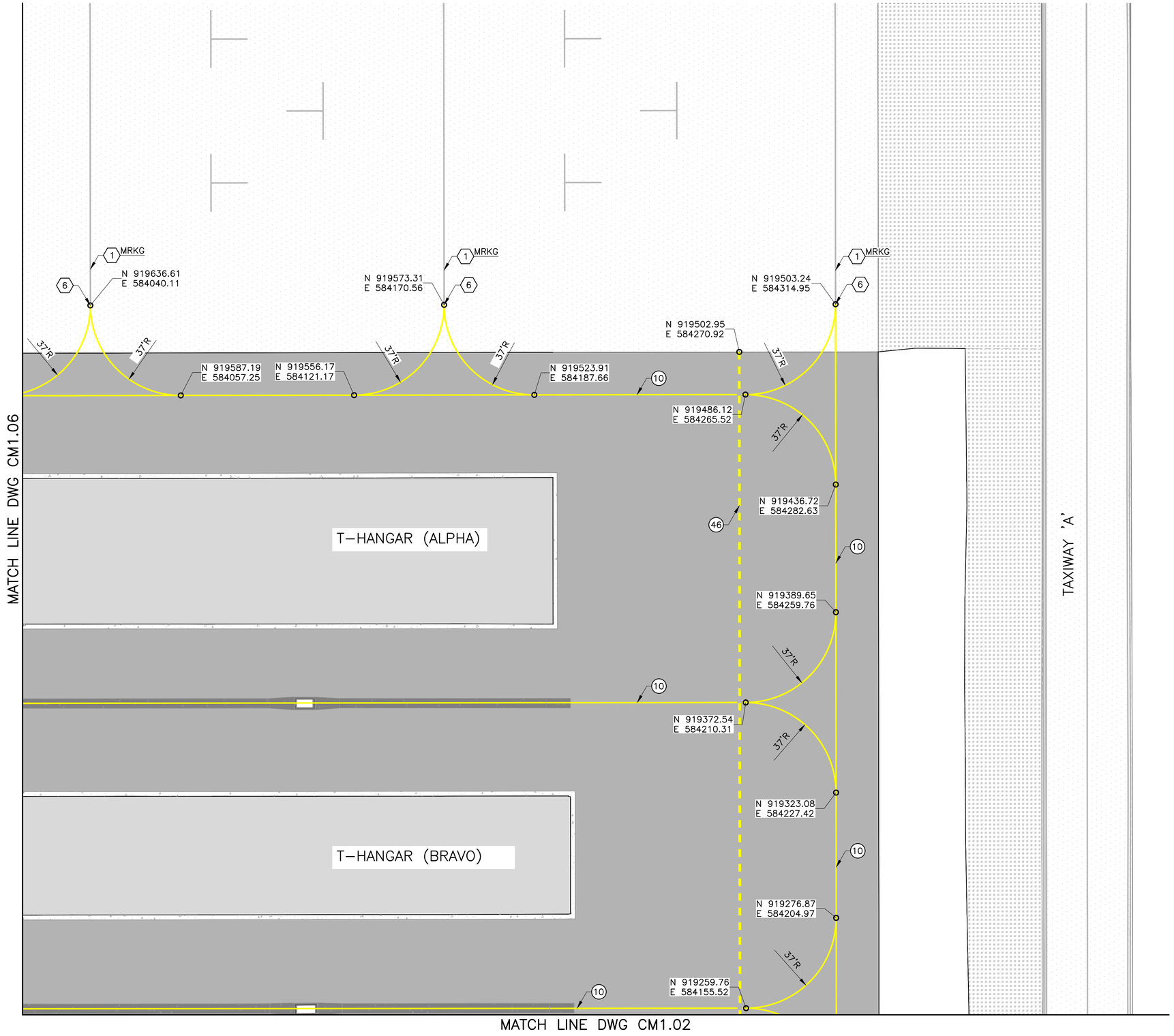


0' 10' 20' 40'

SCALE: 1"=20'

CONSTRUCTION NOTES

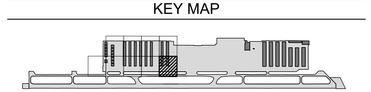
10	TAXILANE CENTERLINE MARKING DET 1, DWG CM2.01	852 SF
46	INTERMEDIATE HOLDING POSITION MARKING DET 4, DWG CM2.01	137 SF

REFERENCE NOTES

1 PROTECT IN PLACE

6 MATCH EXISTING PAVEMENT MARKING

KEY MAP



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Registered Professional Engineer (Civil) 47425 DUANE H. DANA Date Signed 07/30/26 Arizona U.S.A.

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No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III

6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307

PAVEMENT MARKING PLAN 1

Scale 1"-20'

Date 7/30/2026

CM1.01

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FILE NAME: 20058_14-CM1_01-02 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

DSC # 20058

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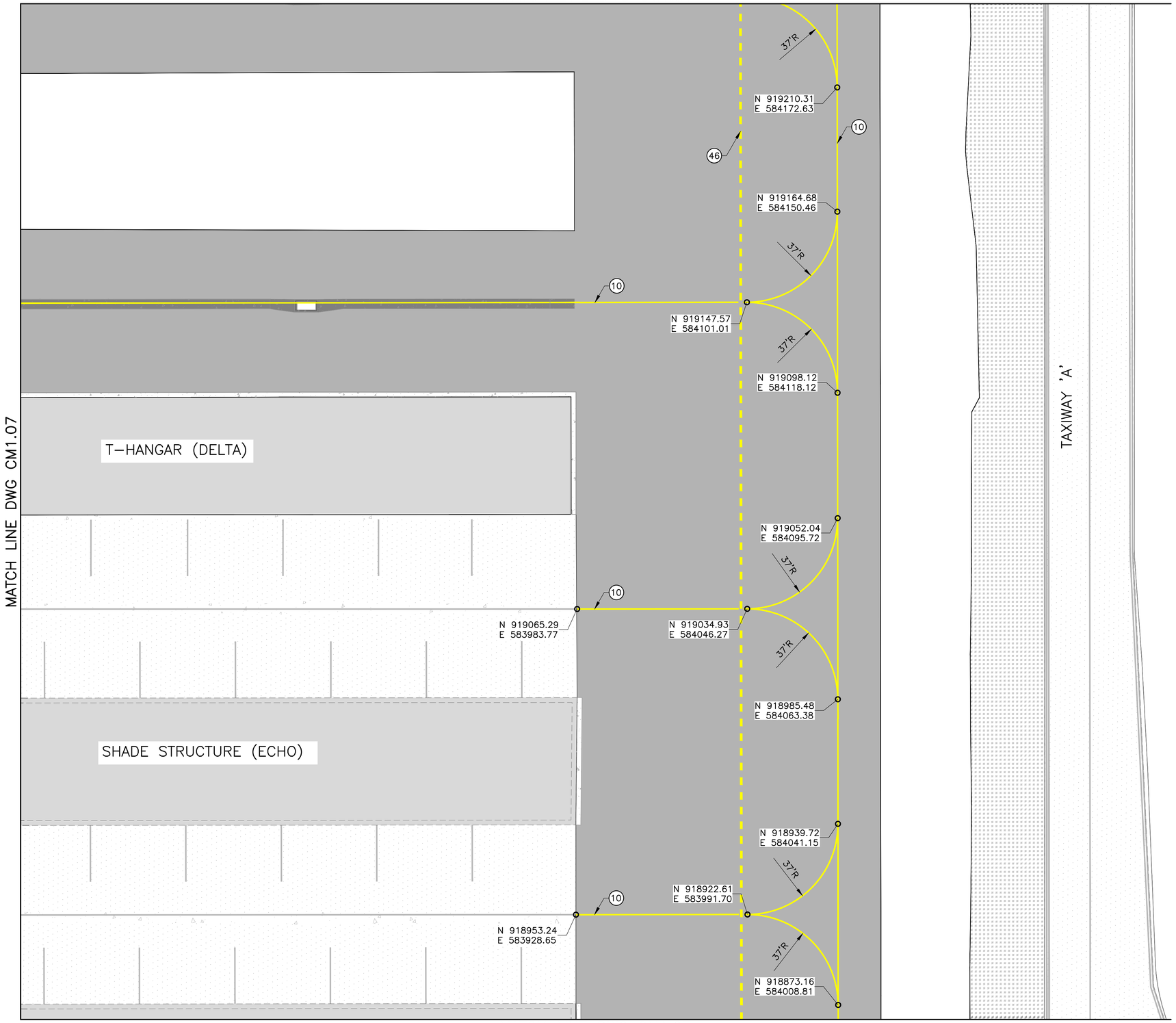
MATCH LINE DWG CM1.01



MATCH LINE DWG CM1.07

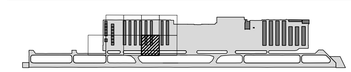
MATCH LINE DWG CM1.03

0' 10' 20' 40'

SCALE: 1"=20'

CONSTRUCTION NOTES		
10	TAXILANE CENTERLINE MARKING DET 1, DWG CM2.01	620 SF
46	INTERMEDIATE HOLDING POSITION MARKING DET 4, DWG CM2.01	208 SF

KEY MAP



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5850 W. GLENDALE AVE.
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No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
PAVEMENT MARKING PLAN 2

Scale 1"-20'
Date 7/30/2026

CM1.02

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OF 86

DSC #

FILE NAME: 20058_14-CM1_03-04 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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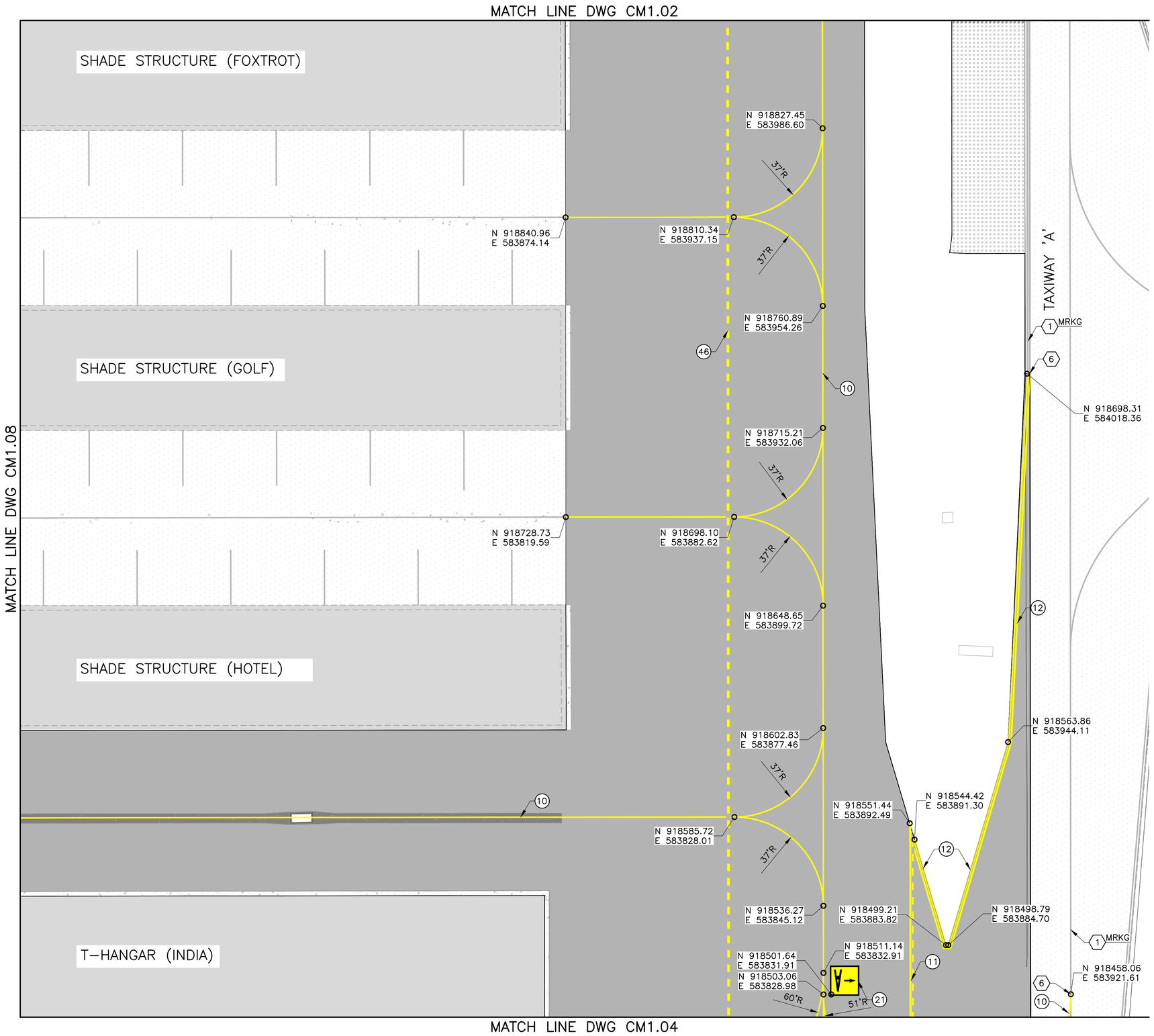


DIBBLE

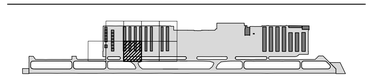
CONSTRUCTION NOTES

10	TAXILANE CENTERLINE MARKING DET 1, DWG CM2.01	710 SF
11	NON-MOVEMENT AREA BOUNDARY MARKING DET 3, DWG CM2.01	80 SF
12	CONTINUOUS TAXIWAY EDGE MARKING DET 2, DWG CM2.01	289 SF
21	SURFACE PAINTED TAXIWAY DIRECTION SIGN MARKING DET 5, DWG CM2.01	1 EA
46	INTERMEDIATE HOLDING POSITION MARKING DET 4, DWG CM2.01	207 SF

REFERENCE NOTES

1. PROTECT IN PLACE
6. MATCH EXISTING PAVEMENT MARKING

KEY MAP



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Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
PAVEMENT MARKING PLAN 3

Scale 1"-20'
Date 7/30/2026

CM1.03

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OF 86

DSC #

FILE NAME: 20058_14-CM1_05-06 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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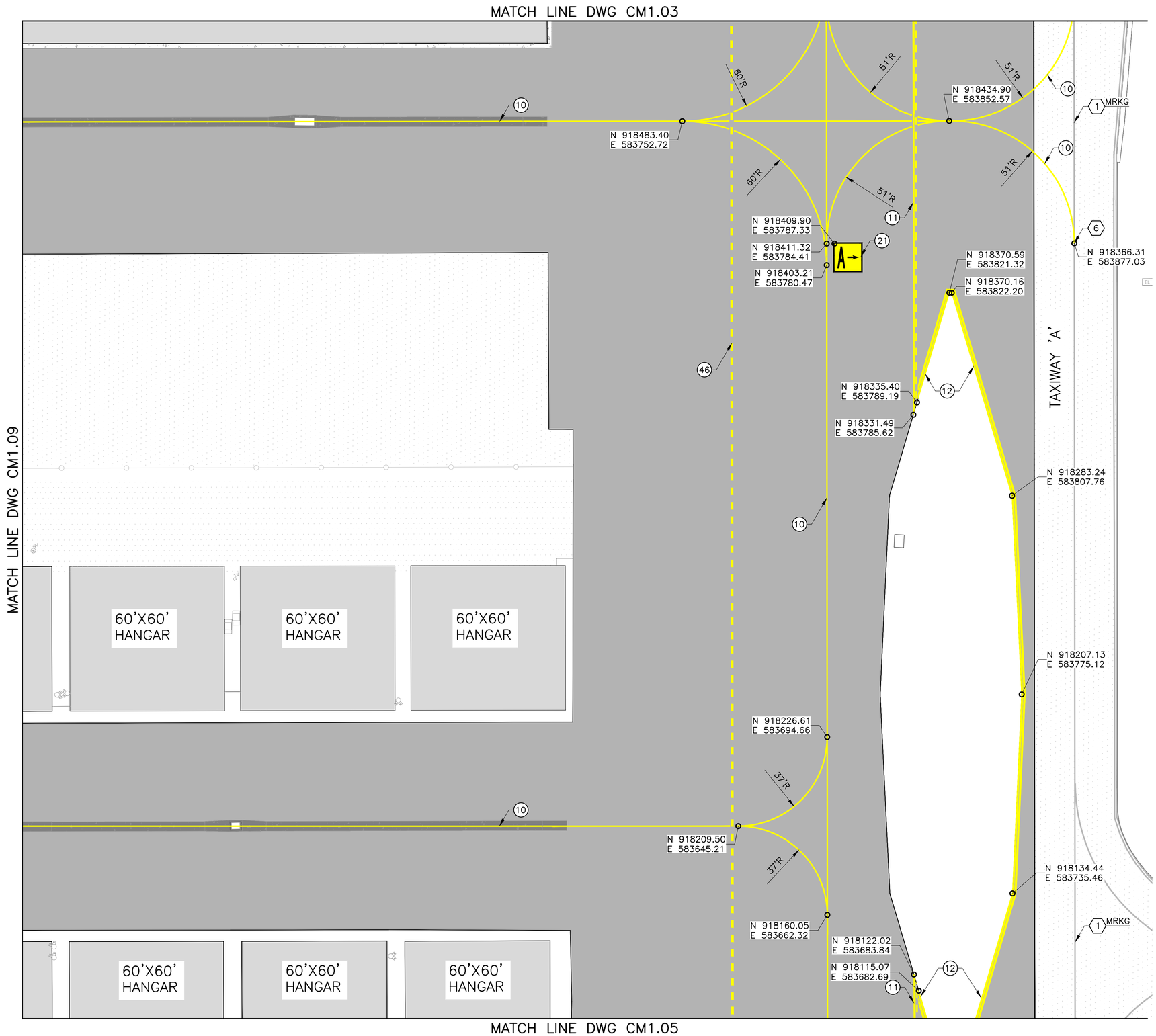


0' 10' 20' 40'

SCALE: 1"=20'

DIBBLE

CONSTRUCTION NOTES

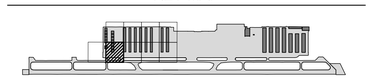
10	TAXILANE CENTERLINE MARKING DET 1, DWG CM2.01	905 SF
11	NON-MOVEMENT AREA BOUNDARY MARKING DET 3, DWG CM2.01	183 SF
12	CONTINUOUS TAXIWAY EDGE MARKING DET 2, DWG CM2.01	362 SF
21	SURFACE PAINTED TAXIWAY DIRECTION SIGN MARKING DET 5, DWG CM2.01	1 EA
46	INTERMEDIATE HOLDING POSITION MARKING DET 4, DWG CM2.01	207 SF

REFERENCE NOTES

1 PROTECT IN PLACE

6 MATCH EXISTING PAVEMENT MARKING

KEY MAP



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GLENDALE, ARIZONA 85301 (623) 930-3630

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Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
PAVEMENT MARKING PLAN 4

Scale 1"-20'
Date 7/30/2026

CM1.04

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SHT. 56
OF 86

DSC #

FILE NAME: 20058_14-CM1_07-08 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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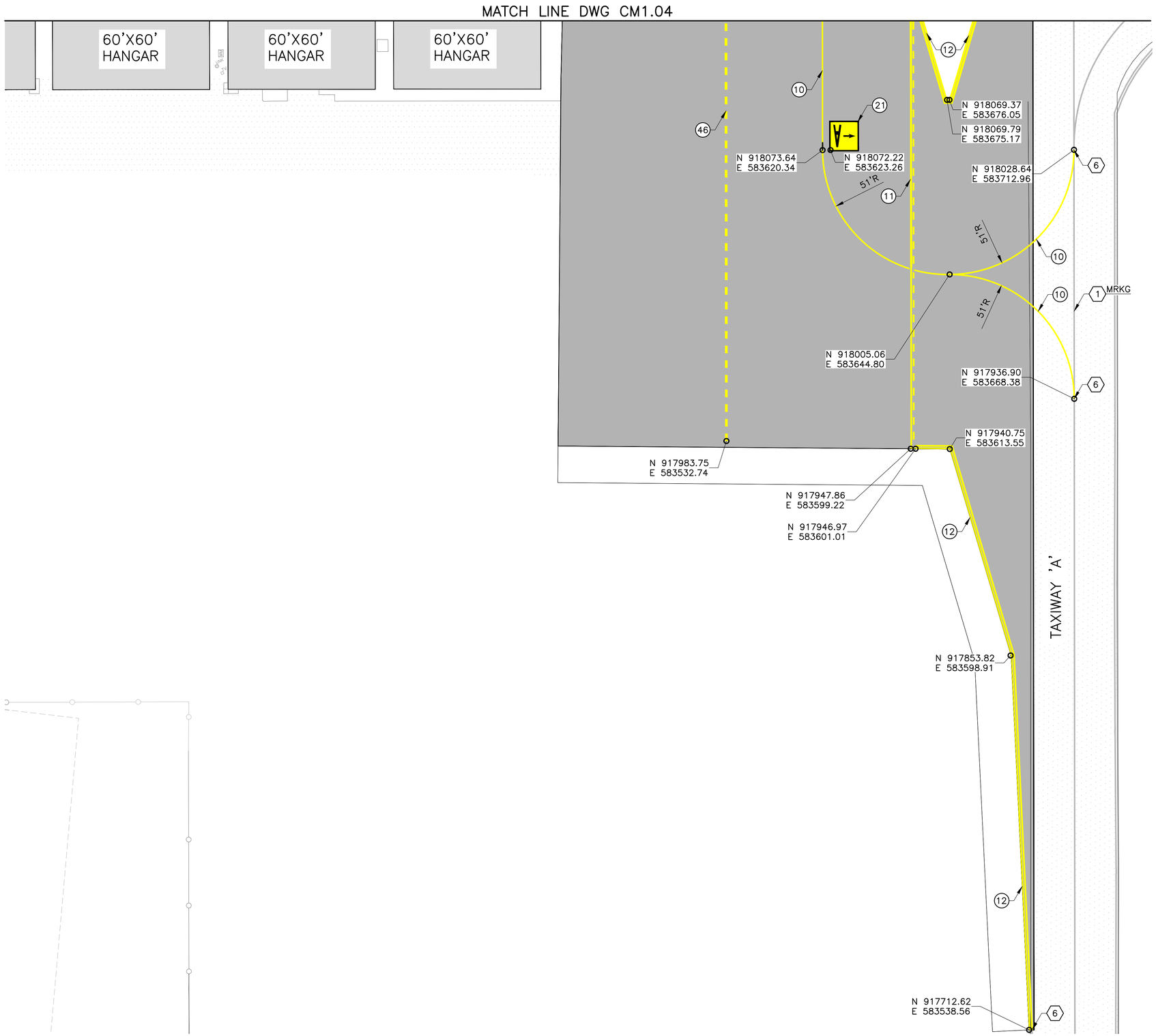


0' 10' 20' 40'

SCALE: 1"=20'

DIBBLE

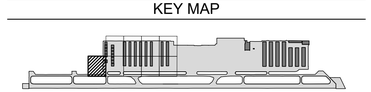
CONSTRUCTION NOTES

10	TAXILANE CENTERLINE MARKING DET 1, DWG CM2.01	146 SF
11	NON-MOVEMENT AREA BOUNDARY MARKING DET 3, DWG CM2.01	176 SF
12	CONTINUOUS TAXIWAY EDGE MARKING DET 2, DWG CM2.01	333 SF
21	SURFACE PAINTED TAXIWAY DIRECTION SIGN MARKING DET 5, DWG CM2.01	1 EA
46	INTERMEDIATE HOLDING POSITION MARKING DET 4, DWG CM2.01	87 SF

REFERENCE NOTES

1. PROTECT IN PLACE
6. MATCH EXISTING PAVEMENT MARKING

KEY MAP



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GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DIANE H. DANA Date Signed 07/30/26 Arizona U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

REVISIONS

No.	Date	Description

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
PAVEMENT MARKING PLAN 5

Scale 1"-20'
Date 7/30/2026

CM1.05

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OF 86

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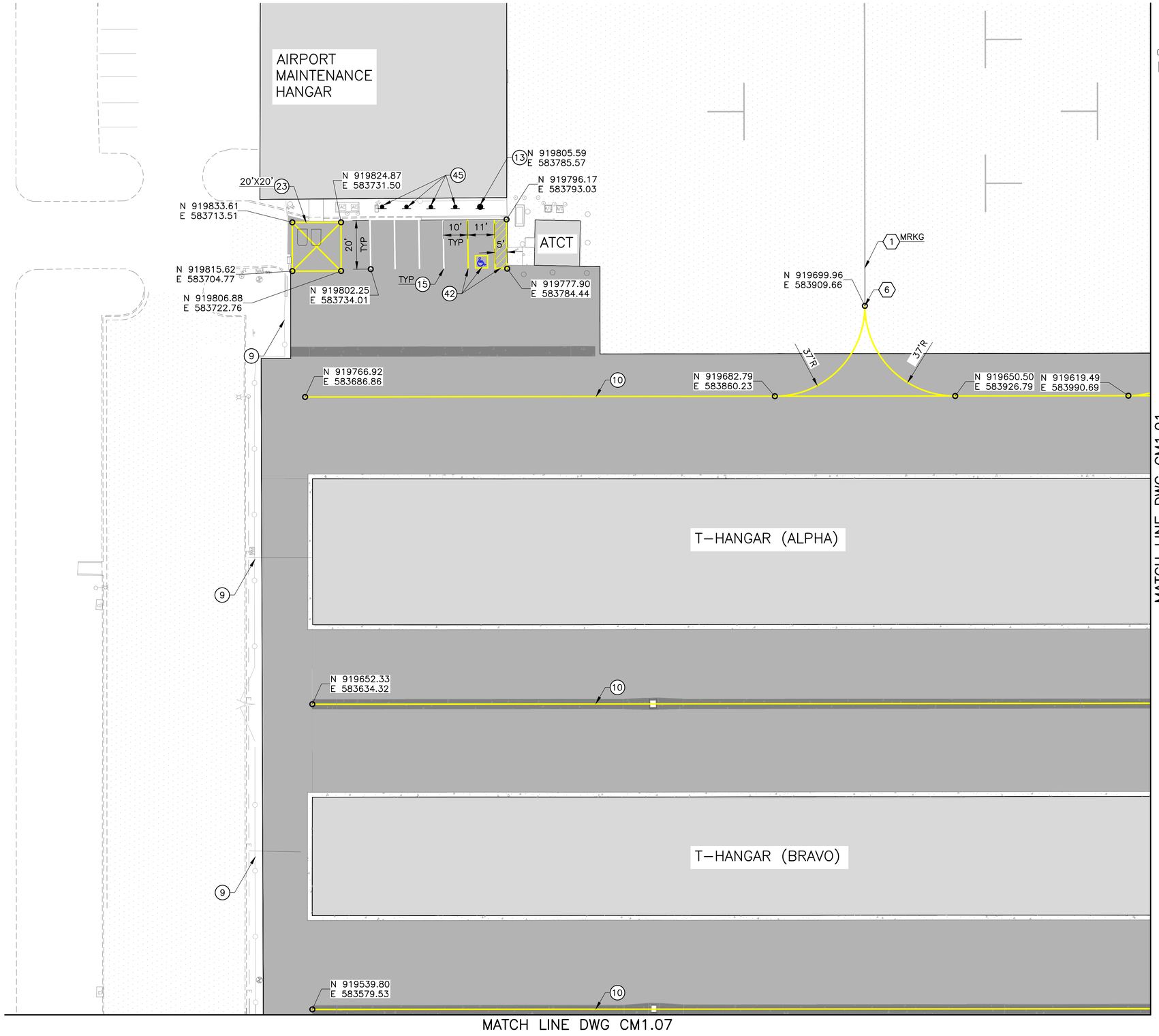


0' 10' 20' 40'

SCALE: 1"=20'

DIBBLE

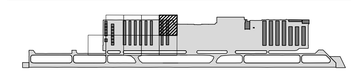
CONSTRUCTION NOTES

9	NO PARKING SIGN (R7-1), FENCE MOUNTED COG DET SS-106	3 EA
10	TAXILANE CENTERLINE MARKING DET 1, DWG CM2.01	576 SF
13	ADA & VAN ACCESSIBLE PARKING SIGN (R7-8AZ & R7-8P), POST MOUNTED COG DET SS-105, SS-122, & SS-131	1 EA
15	STANDARD PARKING STRIPING, 4" SOLID WHITE LINES	27 SF
23	CLEAR ZONE STRIPING, 4" SOLID YELLOW LINES	45 SF
42	ADA PARKING STRIPING, 4" SOLID YELLOW LINES & SYMBOL COG DET SS-205	1 EA
45	CUSTOM RESERVED PARKING SIGN (18"X12") POST MOUNTED COG DET SS-122 & SS-131	4 EA

REFERENCE NOTES

1. PROTECT IN PLACE
6. MATCH EXISTING PAVEMENT MARKING

KEY MAP



Glendale ARIZONA

CITY OF GLENDALE

ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DUANE H. DANA Date Signed 07/30/26 Arizona U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
PAVEMENT MARKING PLAN 6

Scale 1"-20'
Date 7/30/2026

CM1.06

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

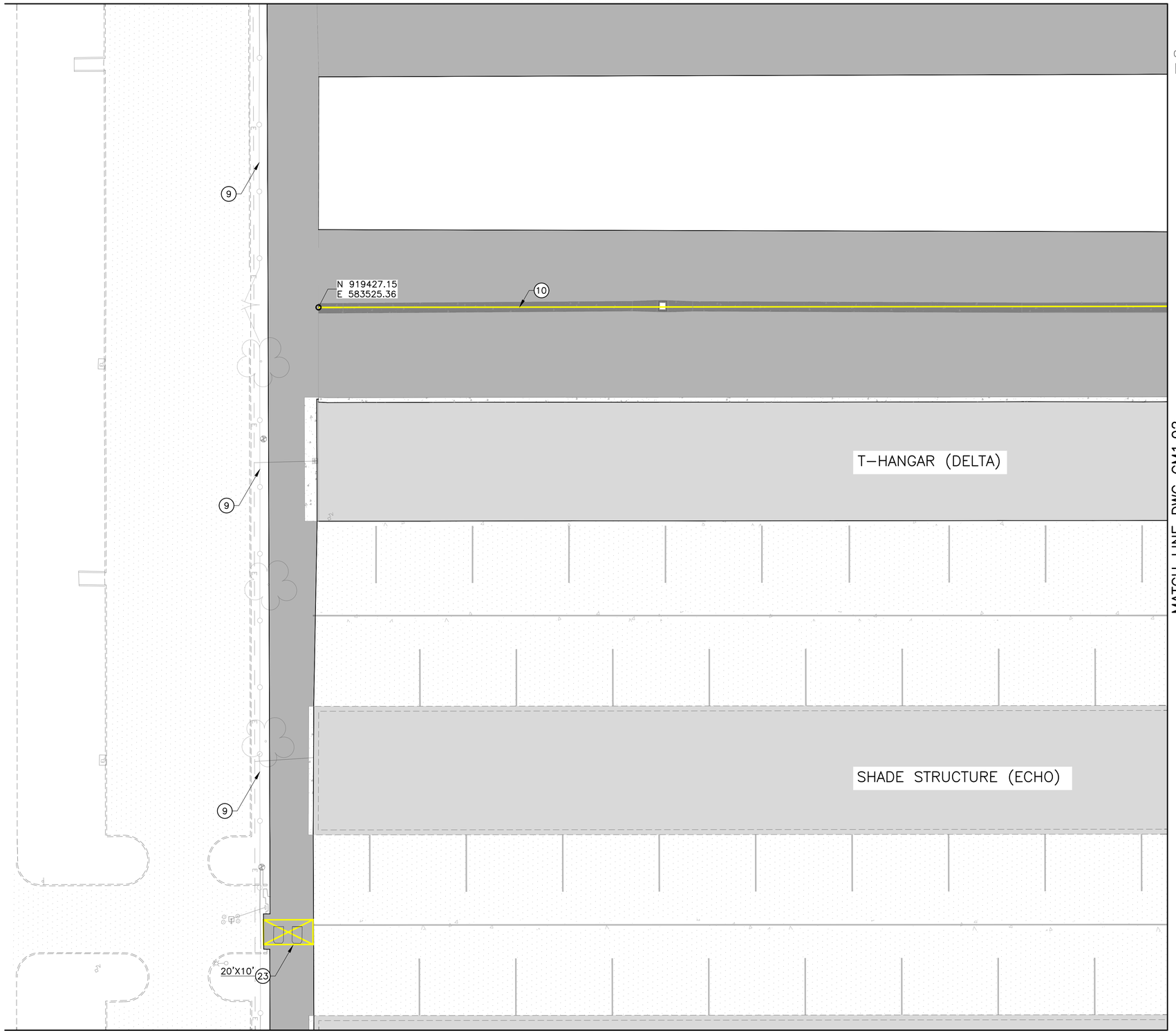
SHT. 58
OF 86

DSC #

J:\2024\1024130.03_GEU_SOUTH_APRON_RECON_PHASE_3\CAD\PHASE III\20058_14-CM1_01-02.DWG 3 Aug. 2026 7:11 AM

FILE NAME: 20058_14-CM1_01-02 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

MATCH LINE DWG CM1.06



MATCH LINE DWG CM1.02

MATCH LINE DWG CM1.08

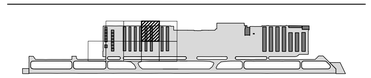
N

0' 10' 20' 40'

SCALE: 1"=20'

CONSTRUCTION NOTES		
9	NO PARKING SIGN (R7–1), FENCE MOUNTED COG DET SS–106	3 EA
10	TAXILANE CENTERLINE MARKING DET 1, DWG CM2.01	172 SF
23	CLEAR ZONE STRIPING, 4" SOLID YELLOW LINES	35 SF

KEY MAP



DIBBLE

Glendale ARIZONA

CITY OF GLENDALE
ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DUANE H. DANA Date Signed 07/30/26 Arizona U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description
△		
△		
△		
△		

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
PAVEMENT MARKING PLAN 7

Scale 1"-20'
Date 7/30/2026

CM1.07

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ARIZONA811
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SHT. 59
OF 86

FILE NAME: 20058_14-CM1_03-04 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

DSC # -------

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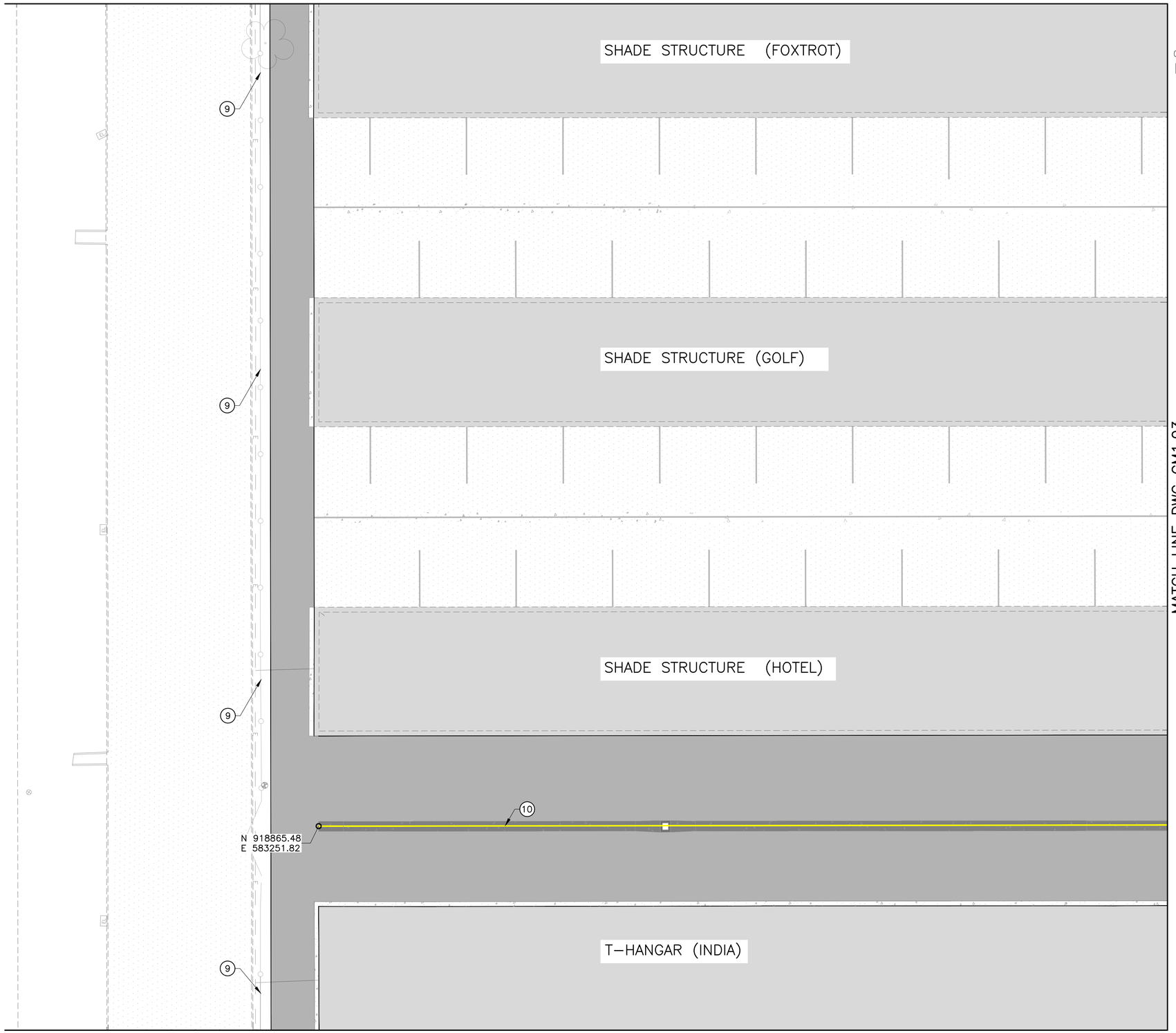
MATCH LINE DWG CM1.07



MATCH LINE DWG CM1.09

MATCH LINE DWG CM1.03

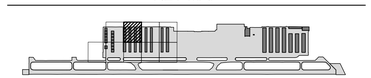
N

0' 10' 20' 40'

SCALE: 1"=20'

CONSTRUCTION NOTE		
9	NO PARKING SIGN (R7–1), FENCE MOUNTED COG DET SS–106	4 EA
10	TAXILANE CENTERLINE MARKING DET 1, DWG CM2.01	172 SF

KEY MAP



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Glendale ARIZONA

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ENGINEERING DEPARTMENT

5850 W. GLENDALE AVE.

GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DUANE H. DANA Date Signed 07/30/26 ARIZONA U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III

6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307

PAVEMENT MARKING PLAN 8

Scale 1"-20'

Date 7/30/2026

CM1.08

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

ARIZONA811

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OF 86

DSC #

FILE NAME: 20058_14-CM1_05-06 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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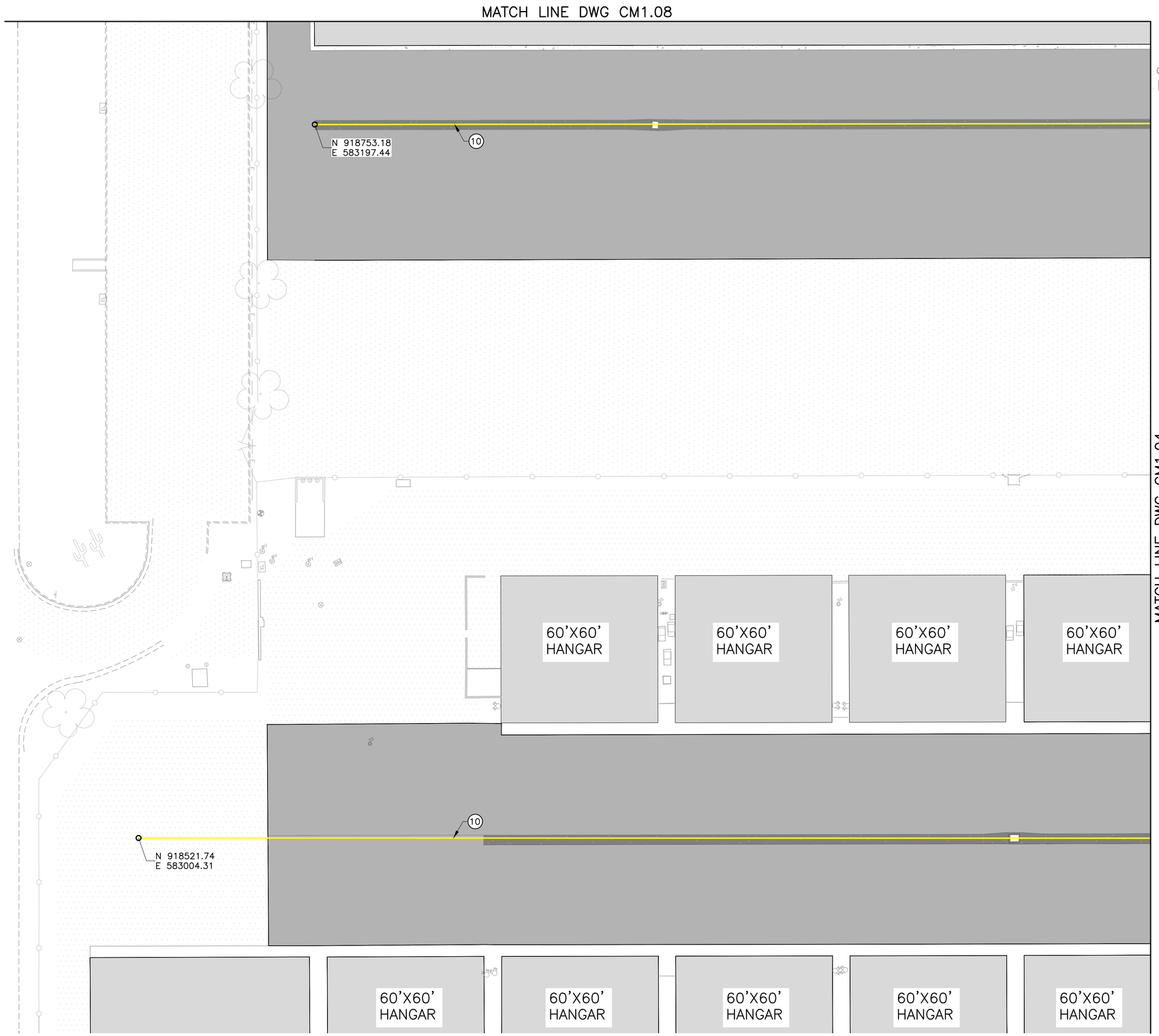


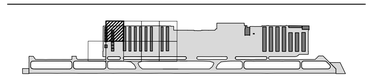
N

0' 10' 20' 40'

SCALE: 1"=20'

CONSTRUCTION NOTES		
10	TAXILANE CENTERLINE MARKING DET 1, DWG CM2.01	379 SF

KEY MAP



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CITY OF GLENDALE

ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DANIEL H. DANA Date Signed 07/30/26 ARIZONA

Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
PAVEMENT MARKING PLAN 9

Scale 1"-20'
Date 7/30/2026

CM1.09

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

SHT. 61
OF 86

DSC #

FILE NAME: 20058_14-CM1_07-08 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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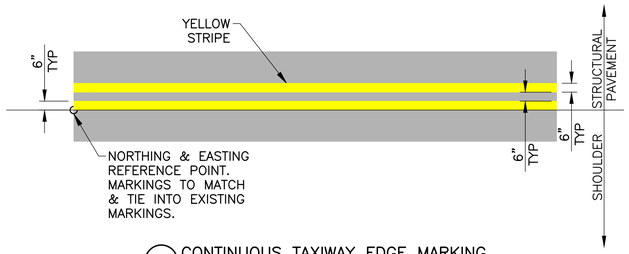
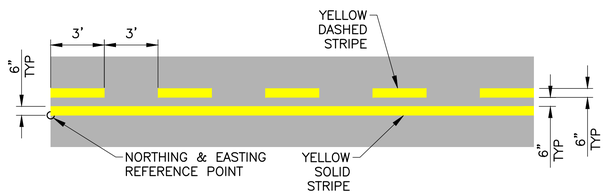
1 TAXILANE CENTERLINE MARKING
NTS

GENERAL MARKING NOTES:

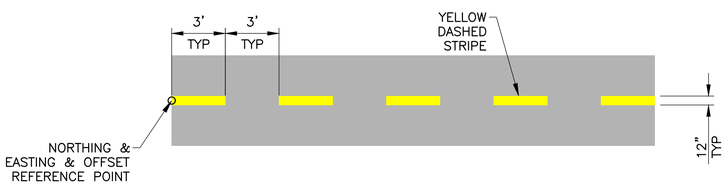
1. ALL TAXILANE CENTERLINE MARKINGS AND CONTINUOUS TAXIWAY EDGE MARKINGS SHALL BE INTERRUPTED BY NON–MOVEMENT AREA BOUNDARY MARKINGS AND INTERMEDIATE HOLDING POSITION MARKINGS AND INCLUDE A 6" GAP.
2. SEE GLASS BEADS REQUIREMENTS TABLE, DETAIL 7 THIS SHEET.



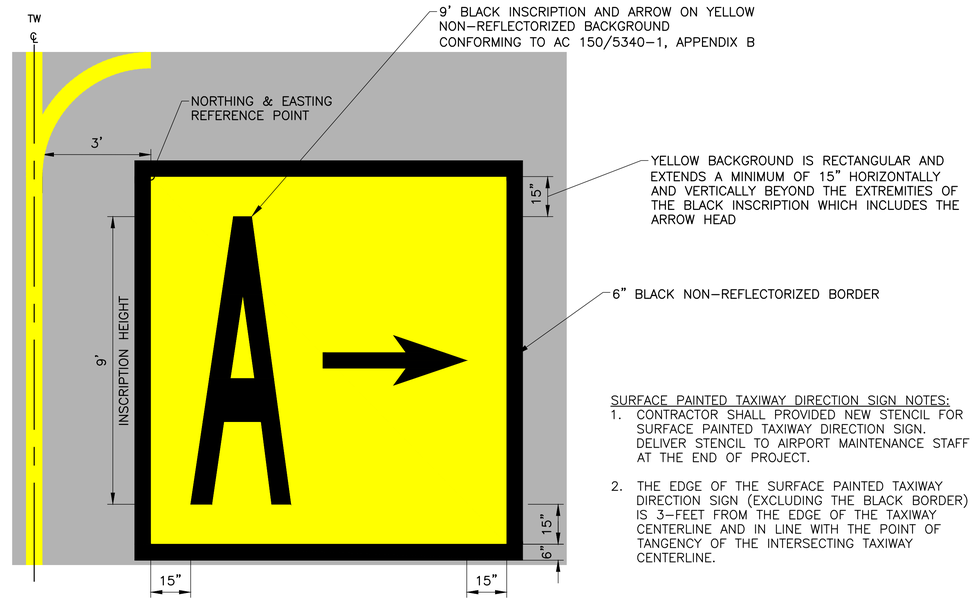
2 CONTINUOUS TAXIWAY EDGE MARKING
NTS



3 NON–MOVEMENT AREA BOUNDARY MARKING
NTS



4 INTERMEDIATE HOLDING POSITION MARKING
NTS



5 SURFACE PAINTED TAXIWAY DIRECTION SIGN MARKING
NTS

SURFACE PAINTED TAXIWAY DIRECTION SIGN NOTES:

1. CONTRACTOR SHALL PROVIDED NEW STENCIL FOR SURFACE PAINTED TAXIWAY DIRECTION SIGN. DELIVER STENCIL TO AIRPORT MAINTENANCE STAFF AT THE END OF PROJECT.
2. THE EDGE OF THE SURFACE PAINTED TAXIWAY DIRECTION SIGN (EXCLUDING THE BLACK BORDER) IS 3–FEET FROM THE EDGE OF THE TAXIWAY CENTERLINE AND IN LINE WITH THE POINT OF TANGENCY OF THE INTERSECTING TAXIWAY CENTERLINE.

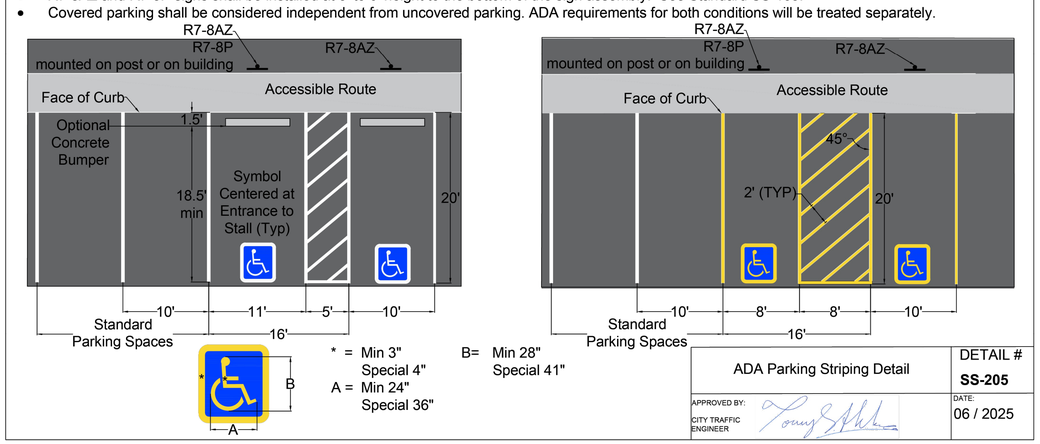
ADA Parking Striping Detail

DETAIL #: SS-205

City of Glendale
Transportation Department
6210 W. Myrtle Ave
Glendale, AZ 85301
www.glendaleaz.com

NOT TO SCALE

- Locate ADA spaces so as to provide the most convenient access to the facility for the user(s) of the space(s).
- See City of Glendale 2015 Engineering Design & Construction Standards section 9.33 "Handicap Parking Facilities" for ADA construction details.
- ADA striping shall be 4" white or yellow paint. Yellow is preferred.
- ADA spaces shall be 11' wide with 5' path or 8' wide with 8' path (total of 16' width minimum for the van accessible space).
- ADA spaces shall be a minimum of 18.5' deep with a 1.5' overhang (20' total length) that does not encroach onto pedestrian accessible route.
- ADA painted symbols shall be located at the end of the accessible spaces. Symbols shall be paint or sticker/tape only.
- R7-8AZ and R7-8P signs shall be installed at 5' to 6' height to the bottom of the sign assembly. See Standard SS-105.
- Covered parking shall be considered independent from uncovered parking. ADA requirements for both conditions will be treated separately.



ADA Parking Striping Detail	DETAIL # SS-205
APPROVED BY: CITY TRAFFIC ENGINEER	DATE: 06 / 2025

6 ADA PARKING STRIPING
NTS

GLASS BEAD REQUIREMENTS

MARKING	GLASS BEADS
TAXIWAY CENTERLINE	TYPE 1
TAXIWAY EDGE	TYPE 1
NON–MOVEMENT AREA BOUNDARY	TYPE 1
INTERMEDIATE HOLDING POSITION	TYPE 1
SURFACE PAINTED TAXIWAY DIRECTION SIGN	NO BEADS
PARKING LOT STRIPING	NO BEADS

7 GLASS BEAD REQUIREMENTS
NTS

DIBBLE

Glendale ARIZONA

CITY OF GLENDALE
ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DUANE H. DANA Date Signed 07/30/26 ARIZONA U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
PAVEMENT MARKING DETAILS

Scale NTS
Date 7/30/2026

CM2.01

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

SHT. 62
OF 86

DSC # ------

FILE NAME: 20058_14-CM2_01 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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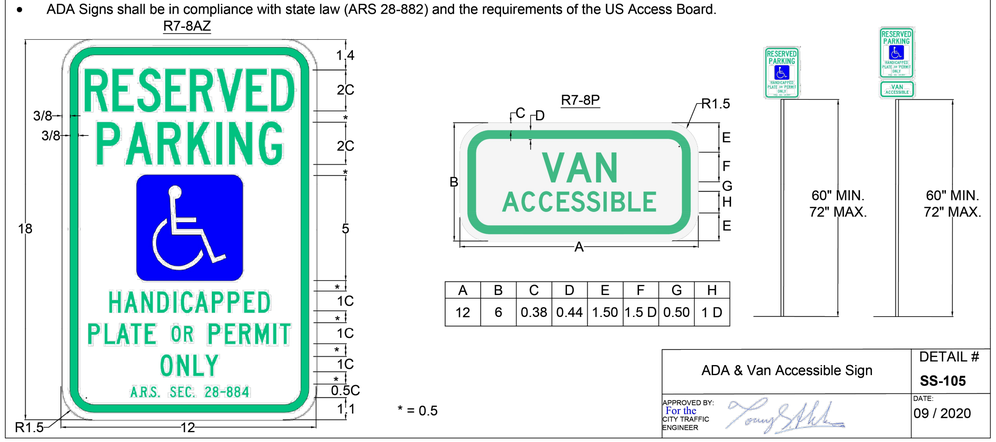
ADA & Van Accessible Parking Sign Standard (R7-8AZ & R7-8P)

DETAIL #: SS-105

City of Glendale
Transportation Department
6210 W. Myrtle Ave
Glendale, AZ 85301
www.glendaleaz.com

ALL DIMENSIONS ARE IN INCHES

- All reflective sheeting materials shall be pressure sensitive white Type IV High Intensity Prismatic Sheeting
- Green & Blue transparent pressure sensitive electrocut overlay film or digital printing with anti-graffiti film is required.
- Green text font shall be Highway Gothic "C" and "D" series, as shown below in upper case format.
- Aluminum sign blanks shall have rounded corners, and a minimum thickness of 0.080".
- ADA Signs shall be in compliance with state law (ARS 28-882) and the requirements of the US Access Board.



A	B	C	D	E	F	G	H
12	6	0.38	0.44	1.50	1.5 D	0.50	1 D

ADA & Van Accessible Sign	DETAIL # SS-105
APPROVED BY: For the CITY TRAFFIC ENGINEER	DATE: 09 / 2020

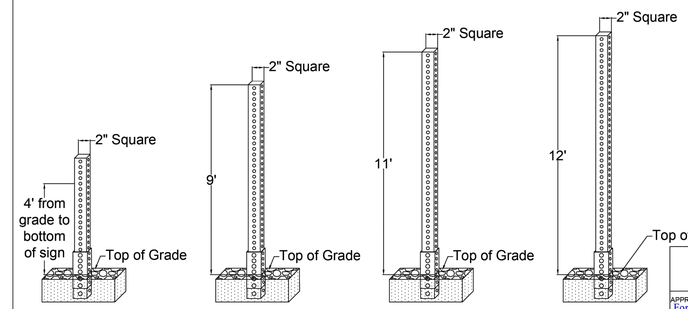
1 ADA & VAN ACCESSIBLE PARKING SIGN
NTS

Sign Square Post Standard

DETAIL #: SS-122

City of Glendale
Transportation Department
6210 W. Myrtle Ave
Glendale, AZ 85301
www.glendaleaz.com

- Refer to City of Glendale Standard "SS-131" Square Sign Post Foundation Details.
- All telescoping perforated square tubing shall be galvanized conforming to American Society for Testing and Materials International (ASTM) specification A-653 des. G-90.
- Underground utility locating is required at ALL locations before digging. Please call Arizona 811 (formerly known as Arizona Blue Stake).
- All sign bases may be installed using on of the following two (2) options (see COG Standard SS-131):
  1.) Hydraulic post pounder, in dirt landscape.
  2.) Concrete foundation - the base/sleeve shall be lined with duct tape for ease of future sign post repairs.



TYPE	TYPICALLY USED WITH
1	R6-1 (One Way), W1-8 (Chevron)
2	D3-1 (Street Name Sign)
3	R1-1 (Stop) & D3-1 Combo
4	Arterial Regulatory & Warning Multiple Signs Assembly (7' to bottom of all standalone signs, taller post may be used to maintain a 6' minimum height from the bottom of the supplemental sign to the extension of the roadway surface)

Sign Square Post	DETAIL # SS-122
APPROVED BY: For the CITY TRAFFIC ENGINEER	DATE: 10 / 2020

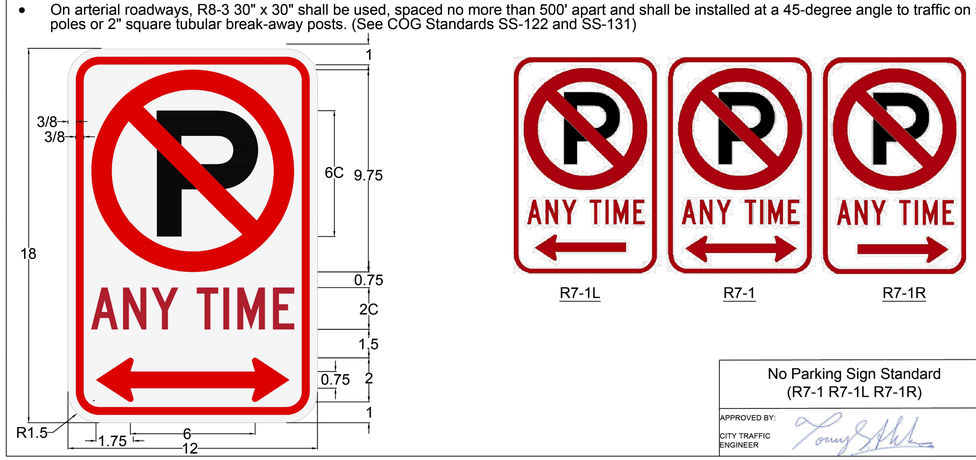
No Parking Sign Standard (R7-1 R7-1L R7-1R)

DETAIL #: SS-106

City of Glendale
Transportation Department
6210 W. Myrtle Ave
Glendale, AZ 85301
www.glendaleaz.com

ALL DIMENSIONS ARE IN INCHES

- All reflective sheeting materials shall be pressure sensitive white Type XI diamond grade sheeting
- Digital Printing: Must meet FHWA standards. Sign Cutting: Materials are translucent pressure sensitive red electrocut (1170 or equivalent) overlay film. Silk screen or latex ink with UV protective film is permissible.
- Red text shall be 2" Highway Gothic "C" series, in upper case format. The "P" shall be 6" Highway Gothic "C" series.
- Aluminum sign blanks shall have rounded corners, be 12" wide by 18" tall, and a minimum thickness of 0.080".
- Signs shall be installed at a 45-degree angle to traffic on light poles or 2" square tubular break-away posts. (See COG Standards SS-122 and SS-131)
- On arterial roadways, R8-3 30" x 30" shall be used, spaced no more than 500' apart and shall be installed at a 45-degree angle to traffic on streetlight poles or 2" square tubular break-away posts. (See COG Standards SS-122 and SS-131)



No Parking Sign Standard (R7-1 R7-1L R7-1R)	DETAIL # SS-106
APPROVED BY: CITY TRAFFIC ENGINEER	DATE: 07 / 2025

GENERAL SIGN NOTES:
1. THE BOTTOM OF EACH SIGN SHALL BE AT LEAST 7 FEET ABOVE THE NEAREST EDGE OF PAVEMENT OR SIDEWALK AND AT LEAST 7 FEET ABOVE THE GROUND UNDER THE SIGN. PLAQUES INSTALLED BELOW SIGNS MAY BE AT A HEIGHT OF 6 FEET ABOVE THE NEAREST EDGE OF PAVEMENT OR SIDEWALK.

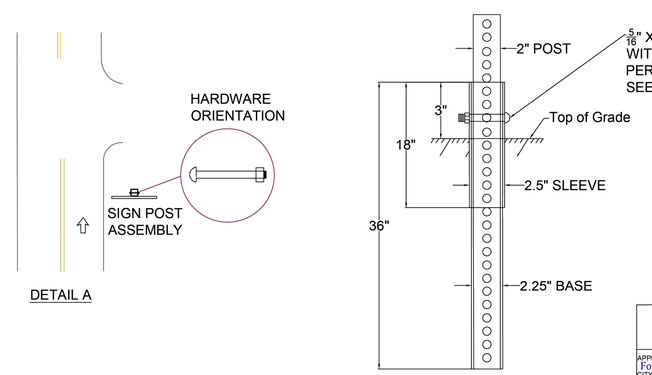
3 NO PARKING SIGN
R7–1
NTS

Sign Square Post Foundation Standard

DETAIL #: SS-131

City of Glendale
Transportation Department
6210 W. Myrtle Ave
Glendale, AZ 85301
www.glendaleaz.com

- Refer to City of Glendale Standard SS-122 Sign Square Posts.
- All telescoping perforated square tubing shall be galvanized conforming to American Society for Testing and Materials International (ASTM) specification A-653 designation G-90.
- Break-away sign posts shall be 2" square perforated galvanized steel tubing.
- Sign bases shall be 2.25" X 36" square perforated galvanized steel tubing.
- Sign base sleeves shall be 2.5" x 18" square perforated galvanized steel tubing.
- Underground utility locating is required at ALL locations before digging. Please call Arizona 811 (formerly known as Arizona Blue Stake).
- All sign bases may be installed with hydraulic post driver, or with concrete material & tape.



Sign Square Post Foundation	DETAIL # SS-131
APPROVED BY: For the CITY TRAFFIC ENGINEER	DATE: 10 / 2020

2 SIGN SQUARE POST & FOUNDATION
NTS

DIBBLE

Glendale ARIZONA

CITY OF GLENDALE
ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DANIEL H. DANA Date Signed 07/30/2026 Arizona U.S.A.

Designed	DS
Drawn	DSO
Checked	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
SIGN DETAILS 1

Scale NTS
Date 7/30/2026

CM2.02

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

SHT. 63
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DSC #

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FILE NAME: 20058_14-CM2_01 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

4 CUSTOM RESERVED PARKING SIGN (18"X12")
NTS

CUSTOM SIGN NOTES:

1. THE SIGN LOCATIONS AND THE POST LENGTHS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE SIGN LOCATIONS AND ACTUAL POST LENGTHS WITH THE CITY, OR DESIGNATED APPOINTEE, PRIOR TO INSTALLING SIGNS.
2. THE BOTTOM OF EACH SIGN SHALL BE AT LEAST 7 FEET ABOVE THE NEAREST EDGE OF PAVEMENT OR SIDEWALK AND AT LEAST 7 FEET ABOVE THE GROUND UNDER THE SIGN UNLESS MODIFIED BY APPROVED SIGN STANDARDS. PLAQUES INSTALLED BELOW SIGNS MAY BE AT A HEIGHT OF 6 FEET ABOVE THE NEAREST EDGE OF PAVEMENT OR SIDEWALK.
3. OFFSETS FOR ALL SIGNS SHALL BE MEASURED FROM THE EDGE OF THE ROADWAY TO THE NEAREST EDGE OF THE SIGN. OFFSETS SHALL BE A 2' MINIMUM FROM FACE OF CURB. A MINIMUM OF 1' OFFSET MAY BE USED WHERE CLEARANCE IS LIMITED, WITH APPROVAL FROM THE CITY OR THEIR DESIGNEE.
4. SIGN POSTS SHALL NOT BE PLACED WITHIN 3' CLEARANCE FROM A FIRE HYDRANT
5. ALL NEW SIGNS SHALL BE FABRICATED ON FLAT SHEET TREATED ALUMINUM WITH A MATERIAL THICKNESS OF 0.080"
6. THE RETROREFLECTIVE SHEETING ON ALL NEW SIGNS SHALL BE TYPE XI.
7. ALL NEW SIGNS SHALL BE INSTALLED ON NEW SQUARE 2" X 2" PERFORATED 0.105" 12-GAUGE GALVANIZED STEEL TUBING. SLEEVES SHALL BE SQUARE 2.5" X 2.5" X 18" PERFORATED 0.1005" GALVANIZED STEEL TUBING. ANCHORS SHALL BE SQUARE 2.25" X 2.25" X 36" PERFORATED 0.105" GALVANIZED STEEL TUBING (SEE GLENDALE STD DRAWING SS-122).
8. UNDERGROUND UTILITY LOCATING IS REQUIRED AT ALL LOCATIONS BEFORE DIGGING. PLEASE CALL ARIZONA 811 (FORMALLY ARIZONA BLUE STAKE).
9. SHOP DRAWINGS SHALL BE REQUIRED FOR ALL GUIDE/SPECIAL SIGNS, EXTRUDED SIGN POSTS AND ANY SPECIALTY SIGN MOUNTING HARDWARE.

DIBBLE

CITY OF GLENDALE
ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DUANE H. DANA Date Signed 07/30/26 ARIZONA U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

REVISIONS

No.	Date	Description

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
SIGN DETAILS 2

Scale NTS
Date 7/30/2026

CM2.03

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

SHT. 64
OF 86

DSC # - - - - - -

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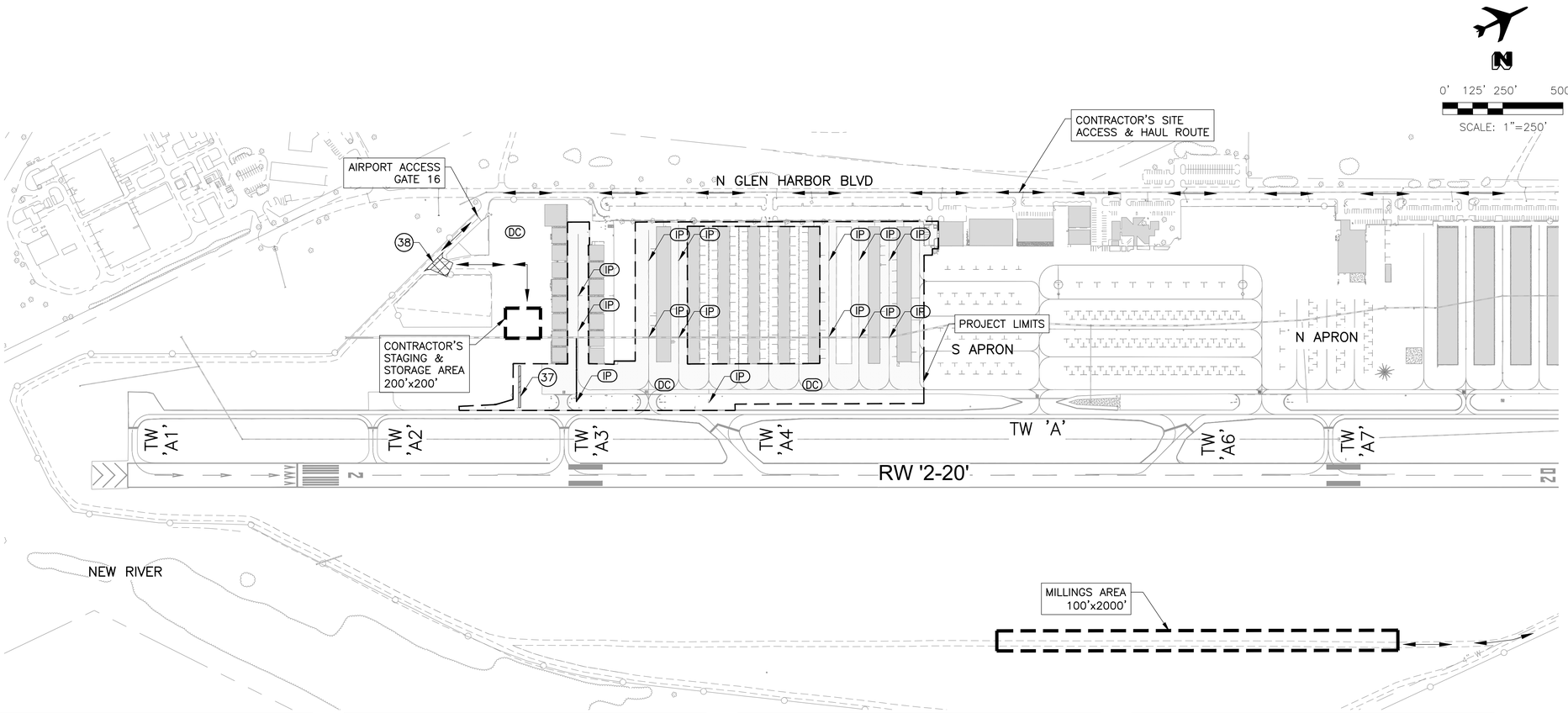


CONSTRUCTION NOTES

37 ORGANIC FILTER BARRIER (BMP–SPC–1)

38 STABILIZED CONSTRUCTION ENTRANCE (BMP–EC–5)

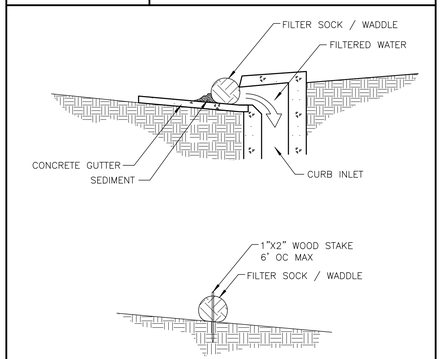
LEGEND

- ORGANIC FILTER BARRIER (BMP–SPC–1)
- STABILIZED CONSTRUCTION ENTRANCE (BMP–EC–5)
- HAUL ROUTE
- CONTRACTOR'S STAGING & STORAGE AREA
- IP — GRATED INLET PROTECTION (BMP–SPC–7)
- PROJECT LIMITS
- DC — DUST CONTROL (BMP–EC–7)

GENERAL NOTES:

1. THE CONTRACTOR SHALL REFERENCE ITEM C–102 FOR SWPPP REQUIREMENTS
2. THE NOI AND DETAILED SWPPP AS REQUIRED BY LOCAL REGULATIONS IS THE FULL RESPONSIBILITY OF THE CONTRACTOR. THIS SHEET IS FOR INFORMATION ONLY.

SYMBOL	ORGANIC FILTER BARRIER (BMP–SPC–1)



NOTE: FILTER SOCKS / WADDLES ARE NORMALLY USE A FILTER MATERIAL CONSISTING OF STRAW, WOOD CHIPS, OR MULCH. WHEN FILTER SOCKS / WADDLES ARE USED AS PERIMETER CONTROL IN AREAS THAT CANNOT BE STAKED, THE FILTER MATERIAL SHALL BE CRUSHED ROCK OR ABC TO PREVENT MOVEMENT.

DEFINITION

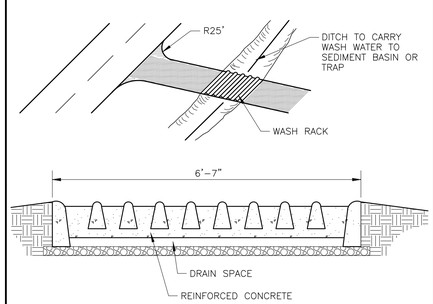
A FILTER SOCK IS A TUBULAR MESH SOCK FILLED WITH A FILTER MATERIAL THAT NORMALLY IS A BLEND OF COMPOSTED MATERIALS OR SIMILAR ORGANIC PRODUCTS, USED TO SLOW FLOW VELOCITY, CAPTURE AND DEGRADE CHEMICAL POLLUTANTS, AND TRAP SEDIMENT.

APPROPRIATE APPLICATIONS

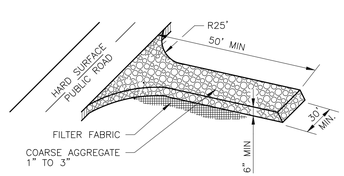
EFFECTIVE FOR USE AS CURB INLET PROTECTION OR PERIMETER CONTROL WITH UNCONCENTRATED FLOWS

1 ORGANIC FILTER BARRIER
NO SCALE

SYMBOL	STABILIZED CONSTRUCTION ENTRANCE (BMP–EC–5)

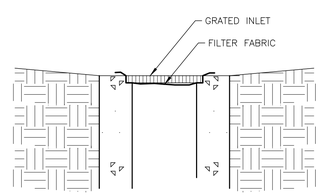


WASH RACK



2 STABILIZED CONSTRUCTION ENTRANCE
NO SCALE

SYMBOL	GRATED INLET PROTECTION (BMP–SPC–7)
IP	



FILTER FABRIC GRATED INLET PROTECTION

DEFINITION

A FILTER FABRIC PLACED BETWEEN THE GRATE AND THE STRUCTURE OF AN INLET.

PURPOSE

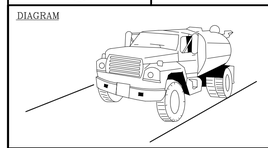
THE FILTER FABRIC PROVIDES A SEDIMENT BARRIER AT INLETS, PREVENTING SEDIMENTATION OF THE STORM DRAIN SYSTEM.

3 GRATED INLET PROTECTION
N.T.S.

SYMBOL	DUST CONTROL (BMP–EC–7)
DC	

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

DIAGRAM



CONDITIONS WHERE PRACTICE APPLIES

- PERIMETER CONTROL
- SLOPE PROTECTION
- SEDIMENT TRAPPING
- DRAINAGEWAY & STREAM PROTECTION
- TEMPORARY STABILIZATION
- PERMANENT STABILIZATION & EXPOSURE LIMITS
- NON-SEDIMENT POLLUTION CONTROL

DEFINITION

A COMPREHENSIVE PLAN TO LIMIT OFF–SITE SEDIMENTATION BY CONTROLLING THE SITES POTENTIAL FOR PRODUCING AIR BORNE FUGITIVE DUST AND TRACK–OUT OF SEDIMENTS.

PURPOSE

SEDIMENTS WHICH ARE TRANSPORTED FROM CONSTRUCTION SITES BY STORMWATER RUNOFF, WIND, EROSION AND VEHICLE TRACKOUT ARE OFTEN RE–DISPERSED TO THE AIR BY SUBSEQUENT VEHICULAR TRAFFIC AND HIGH WINDS. LIKEWISE, THESE SEDIMENTS MAY BE TRANSPORTED BY THE NEXT RAINFALL INTO PUBLIC STORM SEWER SYSTEMS. IMPLEMENTATION OF CONTROL MEASURES TO MINIMIZE THE GENERATION OF FUGITIVE DUST FROM CONSTRUCTION SITES WILL ALSO LIMIT QUANTITY OF SEDIMENTS IN STORMWATER.

THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE REQUIREMENTS OF THE AIR POLLUTION CONTROL PERMIT.

APPROPRIATE APPLICATIONS

PRIMARY SOURCES OF DUST FROM DEVELOPMENT AND CONSTRUCTION ACTIVITIES ARE:

- GRADING OPERATIONS
- DRILLING AND BLASTING
- BATCH DROP OPERATIONS
- EXPOSED AREAS, CLEARED UNSTABILIZED AREAS
- VEHICLE TRAFFIC ON UNPAVED SURFACES
- SEDIMENT TRACKING ON PAVED SURFACES
- BLASTING AND WRECKING BALL OPERATIONS
- SOIL AND DEBRIS STORAGE PILES

THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE REQUIREMENTS OF THE AIR POLLUTION CONTROL PERMIT.

4 DUST CONTROL
N.T.S.

DIBBLE

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CITY OF GLENDALE
ENGINEERING DEPARTMENT
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GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DUANE H. DANA Date Signed 07/30/26 Arizona U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
EROSION CONTROL PLAN & DETAILS

Scale 1"=250'
Date 7/30/2026

CE1.01

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ELECTRICAL ABBREVIATIONS:

1/C	SINGLE CONDUCTOR
2/C	TWO CONDUCTORS
BCC	BARE COPPER CONDUCTOR (GROUND)
CE	CONCRETE ENCASED
CKT	CIRCUIT
DB	DIRECT BURIED
DIA	DIAMETER
FAA	FEDERAL AVIATION ADMINISTRATION
LED	LIGHT EMITTING DIODE
LF	LINEAR FEET
NPI	NON–PAY ITEM
PVC	POLY–VINYL CHLORIDE
SE	SLURRY ENCASED
SGN	SIGN
TYP	TYPICAL

ELECTRICAL LEGEND:

(UNLESS OTHERWISE NOTED ON PLANS)

- PVC W/#8–5KV L–824 TYPE "C" CABLE PER INDICATED LIGHTING CIRCUIT. (QUANTITY AND SIZE AS INDICATED ON PLAN SHEETS) (/ – INDICATES NUMBER OF CONDUCTORS)
- EXISTING ELECTRICAL CONDUIT AND CONDUCTOR
- SPLICE POINT OF EXISTING AND NEW CONDUIT AND CONDUCTOR/COUNTERPOISE
- EXISTING HANDHOLE
- EXISTING AIRFIELD GUIDANCE SIGN
- EXISTING UNLIGHTED AIRFIELD SIGN
- EXISTING ELEVATED EDGE LIGHT
- GROUND ROD
- NEW L–861(QUARTZ) ELEVATED TAXIWAY EDGE LIGHT ON NEW L–867 BASE
- EXISTING AIRFIELD GUIDANCE SIGN ON NEW CONCRETE BASE
- EXISTING UNLIGHTED SIGN ON NEW CONCRETE BASE
- NEW AIRFIELD GUIDANCE SIGN ON NEW CONCRETE BASE
- NEW UNLIGHTED SIGN ON NEW CONCRETE BASE
- NEW STEEL BLANK COVER ON EXISTING BASE CAN
- NEW L–867E JUNCTION CAN WITH BLANK COVER

SELECTED FAA 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
150/5345–46	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)

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E2.2	AIRFIELD ELECTRICAL DEMOLITION PLAN
E2.3	AIRFIELD ELECTRICAL DEMOLITION PLAN
E3.1	AIRFIELD ELECTRICAL SITE PLAN
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E4.1	AIRFIELD GUIDANCE SIGNAGE SCHEDULE
E5.1	AIRFIELD LIGHTING AND ELECTRICAL DETAILS – DUCTBANKS
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E5.6	AIRFIELD LIGHTING AND ELECTRICAL DETAILS – JUNCTION CAN
E6.1	EQUIPMENT DATA TABLES

Glendale ARIZONA

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GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil)
CERTIFICATE NO. 36696
CATHERINE ALCORN
Date Signed 7/30/26
ARIZONA, U.S.A.

Designed	Drawn	Checked
SW	JBW	CA

REVISIONS

No.	Date	Description

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307

ELECTRICAL LEGEND

Scale NONE
Date 7/30/2026

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Fountain Hills, AZ 85268
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ELECTRICAL CONSTRUCTION PHASING NOTES

1. CONTRACTOR SHALL COORDINATE ALL WORK WITH AIRPORT MAINTENANCE, AIRPORT OPERATIONS, AND THE ENGINEER AS NECESSARY.
2. CONTRACTOR SHALL GIVE 72 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 THE AIRPORT MAINTENANCE SHOP.
4. THE CONTRACTOR SHALL MAINTAIN QUALIFIED PERSONNEL WITH THE APPROPRIATE EQUIPMENT, FOR THE INSTALLATION AND SPLICING OF AIRFIELD LIGHTING. SUCH PERSONNEL SHALL BE CAPABLE OF 60 MINUTE RESPONSE TIME IF THEY ARE NOT ALREADY PRESENT ON THE AIRFIELD.
5. TURN OFF AND COVER EXISTING SIGNAGE THAT MAY POTENTIALLY MISDIRECT AIRCRAFT MOVEMENT INTO CLOSED AREAS BARRICADED FOR CONSTRUCTION. SIGNAGE REQUIRING PARTIAL COVERAGE WITH TAXIWAY LOCATION PANELS REMAINING VISIBLE SHALL REMAIN ON WITH ONLY DIRECTIONAL PORTIONS COVERED WITH SECTIONS OF DARK COLORED TARP OR DOUBLE–LAYERED BURLAP THAT DOES NOT PERMIT VISIBILITY OF COVERED PORTION OF ARRAY DAY OR NIGHT. COVERS SHALL BE SECURELY HELD IN PLACE BY RATCHETING LASHING STRAPS, NO TAPE OR ADHESIVES WILL BE PERMITTED. SEE PHASING PLANS FOR PLACEMENT OF SIGN COVERS.
6. COVER EXISTING ELEVATED EDGE LIGHT FIXTURES IN CLOSED AREA BARRICADED FOR CONSTRUCTION WITH 4" PVC PIPE. COVER SHALL EXTEND 2" MIN. ABOVE TOP OF FIXTURE. APPLY REFLECTIVE TAPE TO PVC PIPE.
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.

ELECTRICAL GENERAL NOTES

1. GROUNDS RODS AND COUNTERPOISE WIRE ARE CONSIDERED INCIDENTAL TO FIXTURE AND CONDUIT INSTALLATION.
2. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL DEMOLITION AND CONSTRUCTION WITH CIVIL CONTRACTOR TO REDUCE CONFLICTS THAT AFFECT CONSTRUCTION PHASING AND SCHEDULING.
3. CONTRACTOR SHALL FIELD VERIFY ALL FIXTURE STATION AND OFFSETS AND CONFIRM ALL LOCATIONS ARE WITHIN SPECIFICATION TOLERANCES.

ELECTRICAL DEMOLITION GENERAL NOTES:

1. WITHIN AREAS OF DEMOLITION, AND AS OTHERWISE SHOWN, CAREFULLY REMOVE IDENTIFIED LIGHT FIXTURES, BASES, ISOLATION TRANSFORMERS, HAND HOLES AND OTHER INDICATED ITEMS.
2. CABLE REMOVAL
   A. DIRECT BURIAL: REMOVE FROM WITHIN MANHOLES AND HANDHOLES AND REMOVE IN AREAS WHERE EXCAVATION REQUIRES DISTURBING.
   B. IN CONDUIT: REMOVE COMPLETELY BETWEEN NEAREST BASES, HANDHOLES OR MANHOLES.
   C. RUNWAYS: REMOVE AND REPLACE FOR RECONNECTION INCREMENTALLY DURING EACH SHIFT TO MAINTAIN CIRCUIT OPERATION AS REQUIRED BY AIRPORT.
3. AT INDICATED DEVICES TO BE REMOVED OR IN DEMOLITION AREAS INDICATED, REMOVE ALL CONDUCTORS BACK TO NEAREST FIXTURE BASE OR HANDHOLE OUTSIDE DEMOLITION AREA.
4. FIXTURES, 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. ALL REMOVED LIGHT FIXTURES, BASES, ISOLATION TRANSFORMERS, AND SIGNS SHALL BE SALVAGED AND DELIVERED TO AIRPORT OPERATIONS AND MAINTENANCE. ALL OTHER REMOVED MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE AND PROPERLY DISPOSED OF IN ACCORDANCE WITH LOCAL ORDINANCES.
7. DRAWINGS MAY NOT DETAIL ALL EXISTING FACILITIES IN AREAS OF DEMOLITION. CONTRACTOR SHALL REVIEW THE SITE AND RECORD DRAWINGS TO VERIFY THE DEMOLITION EFFORT INVOLVED.
8. CONTRACTOR SHALL BE REQUIRED TO HAVE A PRIVATE "ON–SITE" UTILITY LOCATING COMPANY AND POTHOLE EXISTING UTILITY LINES AS NEEDED.

CITY OF GLENDALE
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Glendale ARIZONA

Registered Professional Engineer (Electrical) CERTIFICATE NO. 36696 CATHERINE ALCORN Date Signed 7/31/26 ARIZONA, U.S.A.

Designed	Drawn	Checked
SW	JBW	CA

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
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ELECTRICAL NOTES

Scale NONE
Date 7/30/2026

E1.2

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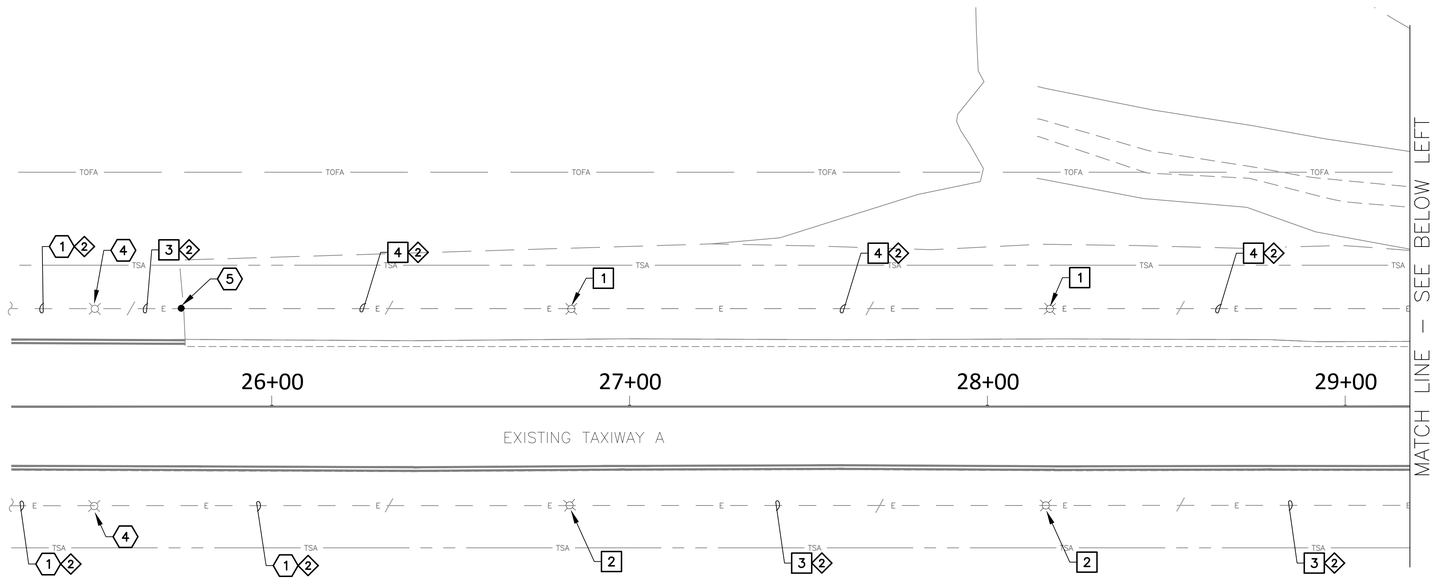

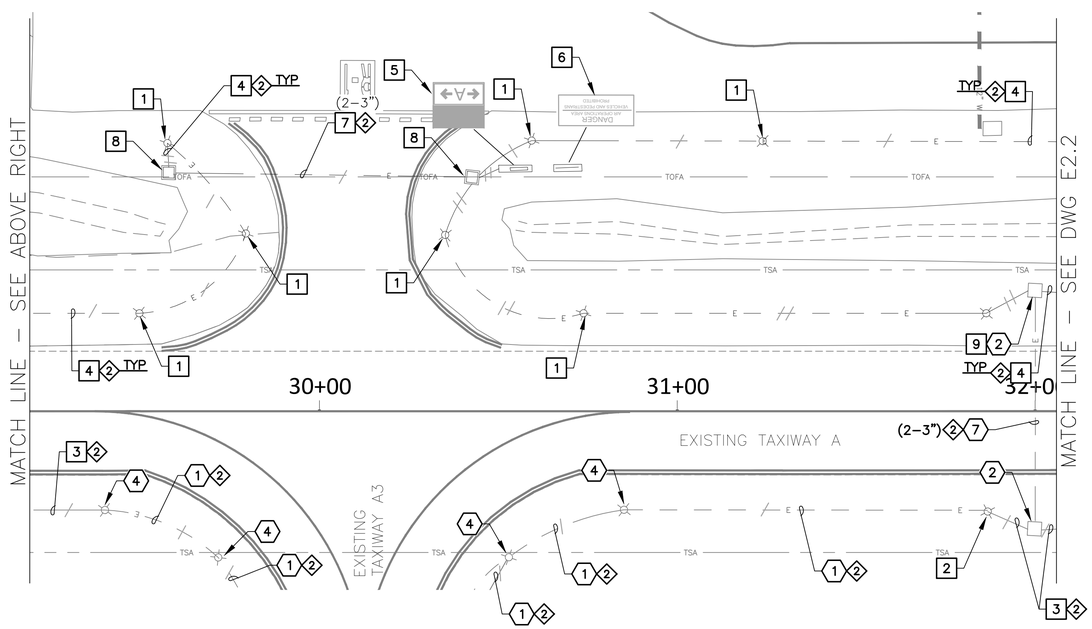

0' 10' 20' 40'

SCALE: 1"=20'

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Fax: (480) 816-5540

DIBBLE

REMOVAL NOTE

1. REMOVE AND SALVAGE EXISTING TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER, REMOVE BASE CAN. (9 TOTAL)
2. REMOVE AND SALVAGE EXISTING TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER, BASE CAN TO REMAIN. RECONNECT CIRCUIT CABLES. (3 TOTAL)
3. REMOVE EXISTING CONDUCTOR(S), CONDUIT TO REMAIN. (300 LF)
4. EXCAVATE AND REMOVE EXISTING CONDUIT AND CONDUCTOR(S) (835 LF)
5. REMOVE AIRFIELD GUIDANCE SIGN AND CONCRETE SIGN BASE (1 TOTAL)
6. REMOVE UNLIGHTED AIRFIELD GUIDANCE SIGN AND CONCRETE SIGN BASE (1 TOTAL)
7. EXCAVATE AND REMOVE EXISTING CONCRETE ENCASED DUCTBANK (80 LF)
8. EXCAVATE AND REMOVE EXISTING 4'x4'x4' CONCRETE HANDHOLE (2 TOTAL)
9. CONTRACTOR TO LOCATE EXISTING HANDHOLE (1 TOTAL)

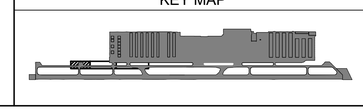
REFERENCE NOTE

1. EXISTING CONDUIT AND CONDUCTOR TO REMAIN – PROTECT IN PLACE
2. EXISTING HANDHOLE TO REMAIN – PROTECT IN PLACE
4. EXISTING ELEVATED LIGHT FIXTURE TO REMAIN – PROTECT IN PLACE
5. APPROXIMATE SPLICE POINT OF EXISTING CONDUIT AND CONDUCTOR
7. EXISTING DUCTBANK TO REMAIN – PROTECT IN PLACE

CIRCUIT IDENTIFICATION

2. TAXIWAY CIRCUIT

KEY MAP



CITY OF GLENDALE

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5850 W. GLENDALE AVE.
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Registered Professional Engineer (Civil)
CERTIFICATE NO. 36696
CATHERINE ALCORN
Date Signed 7-31-26
ARIZONA, U.S.A.

Designed	Drawn	Checked
SW	JBW	CA

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307

AIRFIELD ELECTRICAL DEMOLITION PLAN

Scale 1" = 20'
Date 7/30/2026

E2.1

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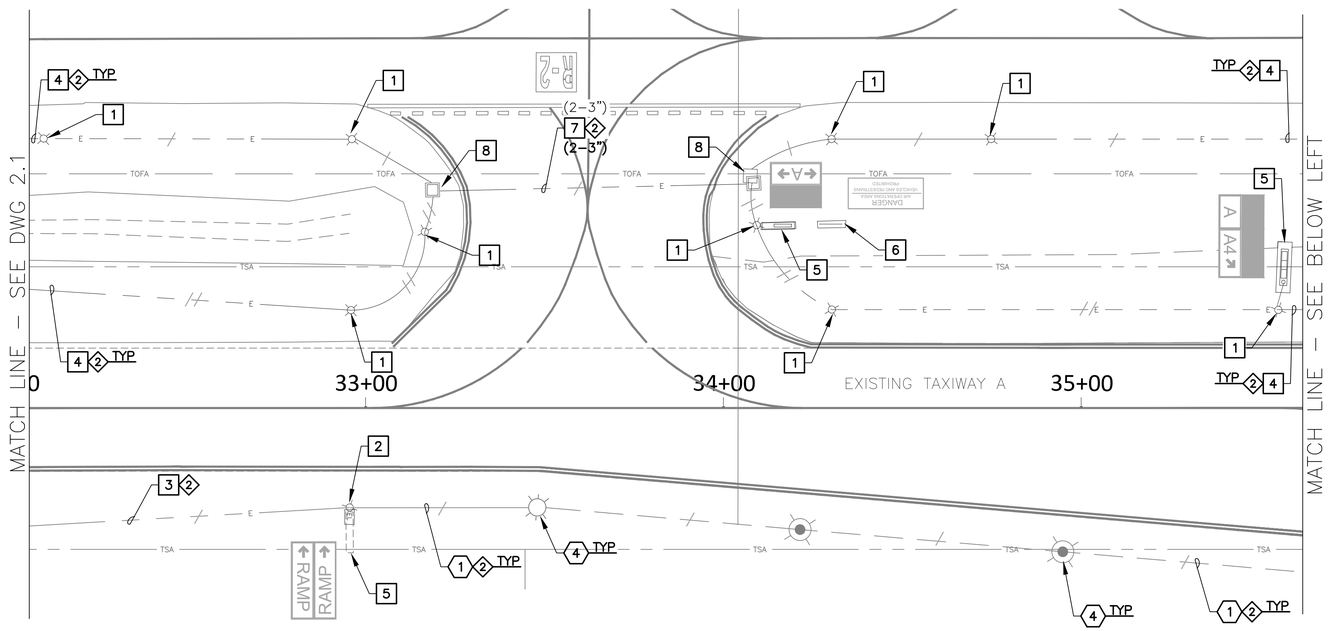

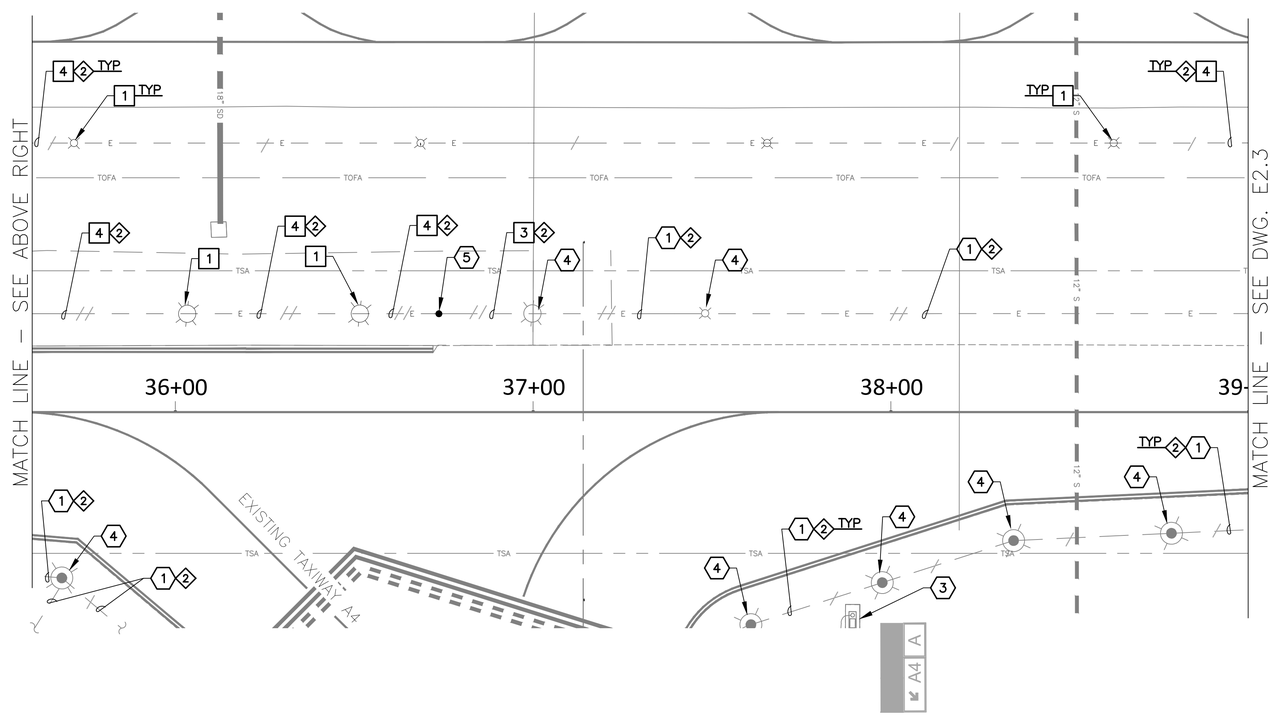

N

0' 10' 20' 40'

SCALE: 1"=20'

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DIBBLE

REMOVAL NOTE

1. REMOVE AND SALVAGE EXISTING TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER, REMOVE BASE CAN. (15 TOTAL)
2. REMOVE AND SALVAGE EXISTING TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER, BASE CAN TO REMAIN. RECONNECT CIRCUIT CABLES. (1 TOTAL)
3. REMOVE EXISTING CONDUCTOR(S), CONDUIT TO REMAIN. (115 LF)
4. EXCAVATE AND REMOVE EXISTING CONDUIT AND CONDUCTOR(S) (1,050 LF)
5. REMOVE AIRFIELD GUIDANCE SIGN AND CONCRETE SIGN BASE (3 TOTAL)
6. REMOVE UNLIGHTED AIRFIELD GUIDANCE SIGN AND CONCRETE SIGN BASE (1 TOTAL)
7. EXCAVATE AND REMOVE EXISTING CONCRETE ENCASED DUCTBANK (90 LF)
8. EXCAVATE AND REMOVE EXISTING 4'x4'x4' CONCRETE HANDHOLE (2 TOTAL)

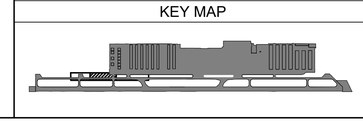
REFERENCE NOTE

1. EXISTING CONDUIT AND CONDUCTOR TO REMAIN – PROTECT IN PLACE
2. EXISTING HANDHOLE – PROTECT IN PLACE
3. EXISTING AIRFIELD GUIDANCE SIGN TO REMAIN – PROTECT IN PLACE.
4. EXISTING ELEVATED LIGHT FIXTURE TO REMAIN – PROTECT IN PLACE.
5. APPROXIMATE SPLICE POINT OF EXISTING CONDUIT AND CONDUCTOR

CIRCUIT IDENTIFICATION

2. TAXIWAY CIRCUIT

KEY MAP



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Glendale ARIZONA

ENGINEERING DEPARTMENT

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Registered Professional Engineer (Electrical)
CERTIFICATE NO. 36696
CATHERINE ALCORN
Date Signed 7/30/26
ARIZONA, U.S.A.

Designed	Drawn	Checked
SW	JBW	CA

No.	Date	Description

REVISIONS

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SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307

AIRFIELD ELECTRICAL DEMOLITION PLAN

Scale 1" = 20'
Date 7/30/2026

E2.2

Contact Arizona 811 at least two full working days before you begin excavation
ARIZONA811
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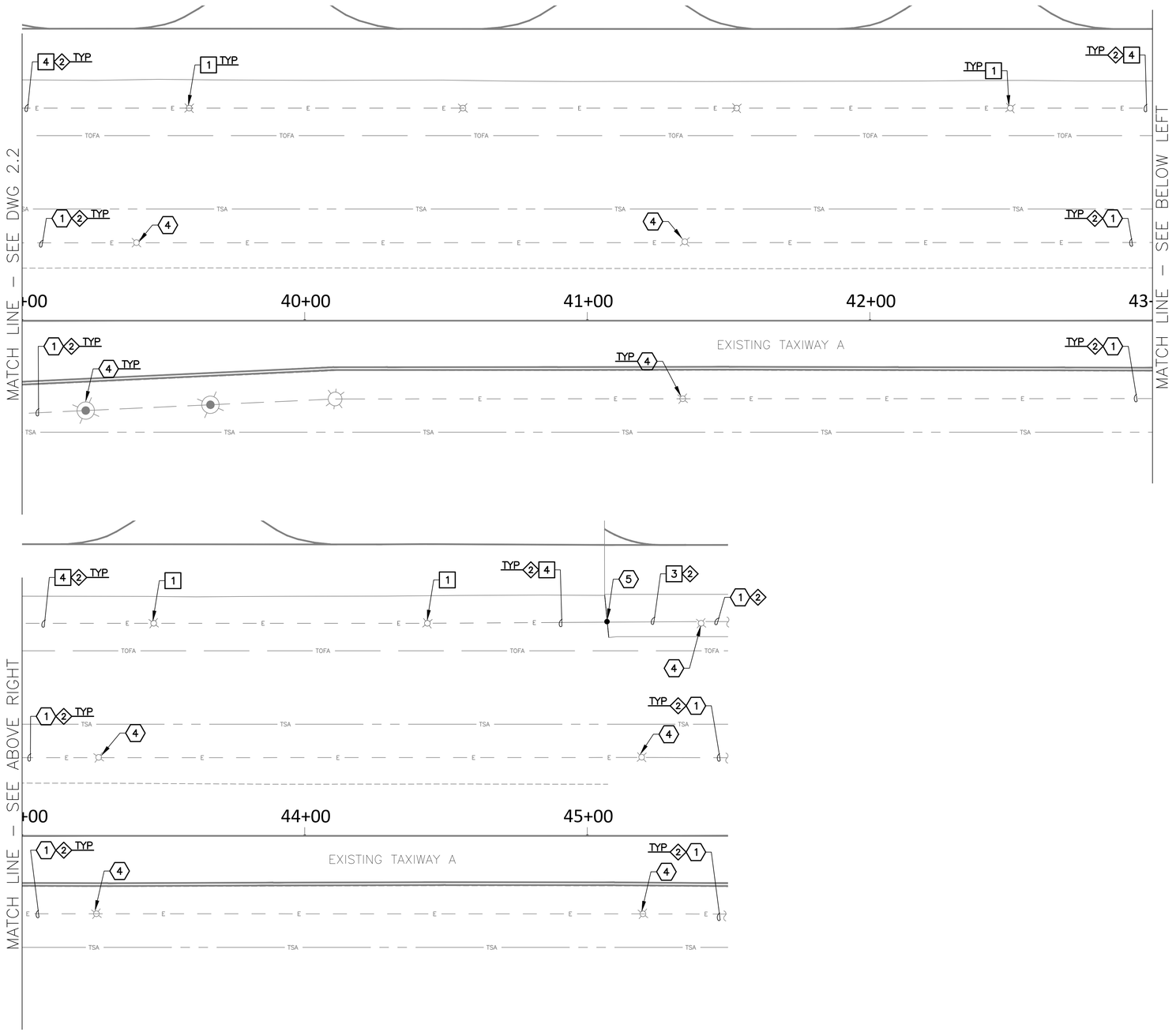
SHT. 69
OF 86

DSC #

FILE NAME: 22014 PH3 E2.1 PLOTTING DATE: 07.29.2026 REVISION DATE: AUTOCAD VER.: 2026

G:\PROJECTS\2200\22014 GEU S APRON RECON PHASE 2\CAD\CAD SHEETS\PHASE 3 SHEETS\22014 PH3 E2.1.DWG 29 Jul 2026 8:54 AM



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

DIBBLE

REMOVAL NOTE

1. REMOVE AND SALVAGE EXISTING TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER, REMOVE BASE CAN. (6 TOTAL)
3. REMOVE EXISTING CONDUCTOR(S), CONDUIT TO REMAIN (35 LF)
4. EXCAVATE AND REMOVE EXISTING CONDUIT AND CONDUCTOR(S) (605 LF)

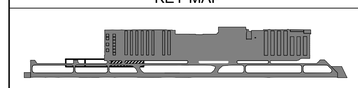
REFERENCE NOTE

1. EXISTING CONDUIT AND CONDUCTOR TO REMAIN – PROTECT IN PLACE
4. EXISTING ELEVATED LIGHT FIXTURE TO REMAIN – PROTECT IN PLACE.
5. APPROXIMATE SPLICE POINT OF EXISTING CONDUIT AND CONDUCTOR

CIRCUIT IDENTIFICATION

2. TAXIWAY CIRCUIT

KEY MAP



CITY OF GLENDALE

Glendale ARIZONA

ENGINEERING DEPARTMENT

5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Electrical)
CERTIFICATE NO. 36696
CATHERINE ALCORN
Date Signed 20-JUL-26
ARIZONA, U.S.A.

Designed	Drawn	Checked
SW	JBW	CA

REVISIONS

No.	Date	Description

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307

AIRFIELD ELECTRICAL DEMOLITION PLAN

Scale 1" = 20'
Date 7/30/2026

E2.3

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SHT. 70
OF 86

DSC #

FILE NAME: 22014 PH3 E2.1 PLOTTING DATE: 07.29.2026 REVISION DATE: AUTOCAD VER.: 2026

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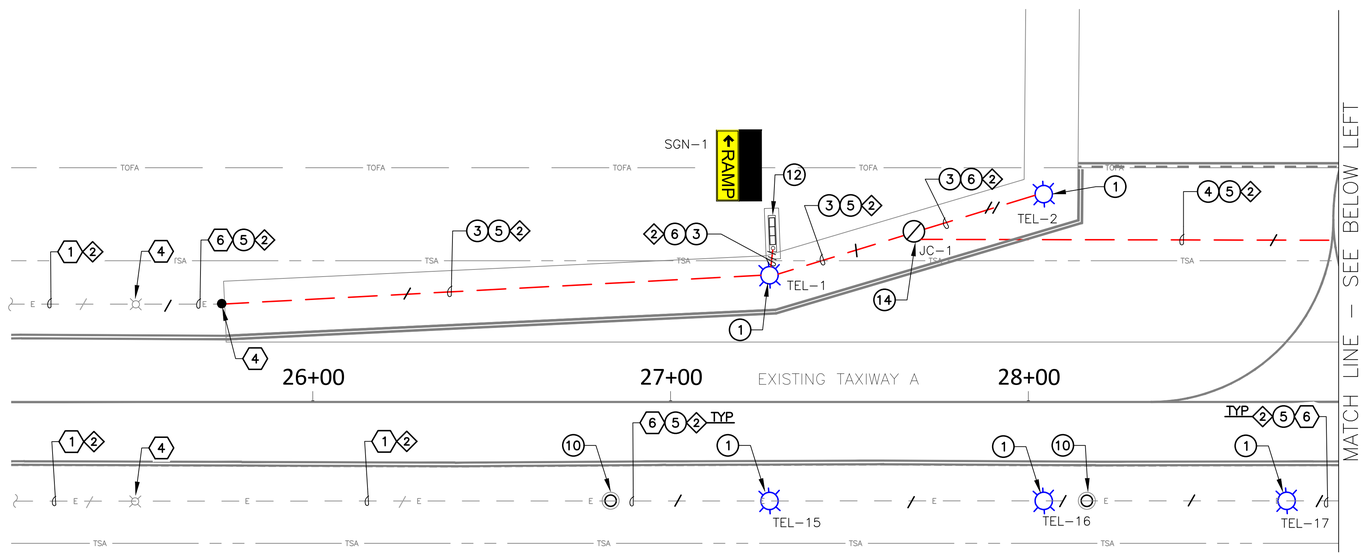
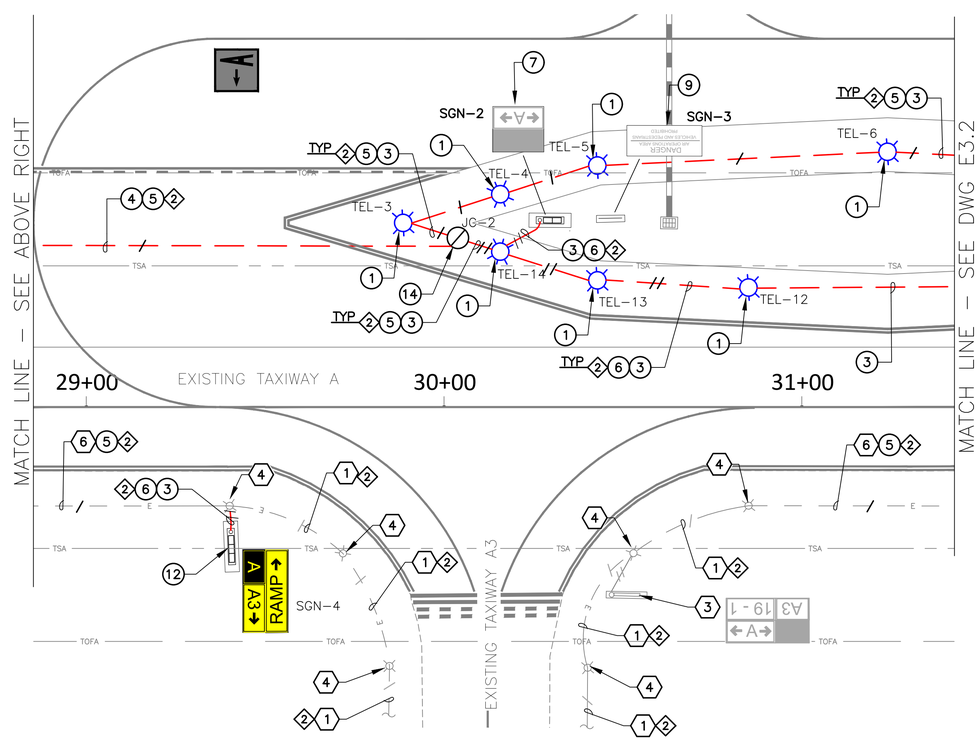




N

0' 10' 20' 40'

SCALE: 1"=20'

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

DIBBLE

CONSTRUCTION NOTE

1. NEW L-861T (QUARTZ) TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER ON NEW L-867 BASE (12 TOTAL)
3. 1-2"C SE (585 LF)
4. 2-2"C CE (240 LF)
5. NEW 1/C, #8 5KV L-824, TYPE "C" AIRFIELD LIGHTING CABLE (1,030 LF)
6. NEW 2/C, #8 5KV L-824, TYPE "C" AIRFIELD LIGHTING CABLE (275 LF)
7. INSTALL SALVAGED L-858 SIZE 1, 2-MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE (1 TOTAL)
9. INSTALL SALVAGED UNLIGHTED L-858 SIZE 2 AIRFIELD GUIDANCE SIGN ON NEW SIGN BASE. (1 TOTAL)
10. INSTALL NEW BLANK STEEL COVER ON EXISTING LIGHT BASE. (2 TOTAL)
12. NEW L-858(L) LED SIZE 1, 3-MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE (2 TOTAL)
14. NEW L-867E (24" DIA) JUNCTION CAN WITH BLANK COVER. (2 TOTAL)

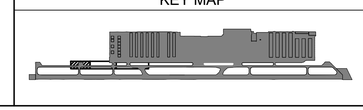
REFERENCE NOTE

1. EXISTING CONDUIT AND CONDUCTOR
3. EXISTING AIRFIELD GUIDANCE SIGN
4. EXISTING ELEVATED LIGHT FIXTURE
5. APPROXIMATE SPLICE OF POINT OF EXISTING CONDUIT AND COUNTERPOISE
6. EXISTING CONDUIT

CIRCUIT IDENTIFICATION

2. TAXIWAY CIRCUIT

KEY MAP



ELECTRICAL DESIGN BEST SHOWN IF THIS DRAWING IS PRINTED OR COPIED IN COLOR.

CITY OF GLENDALE

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5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Glendale ARIZONA

Registered Professional Engineer (Electrical)
CERTIFICATE NO. 36696
CATHERINE ALCORN
Date Signed 7/30/26
ARIZONA, U.S.A.

Designed	Drawn	Checked
SW	JBW	CA

REVISIONS

No.	Date	Description

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307

AIRFIELD ELECTRICAL SITE PLAN

Scale 1" = 20'
Date 7/30/2026

E3.1

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SHT. 71
OF 86

DSC #

FILE NAME: 22014 PH3 E3.1 PLOTTING DATE: 07.29.2026 REVISION DATE: AUTOCAD VER.: 2026

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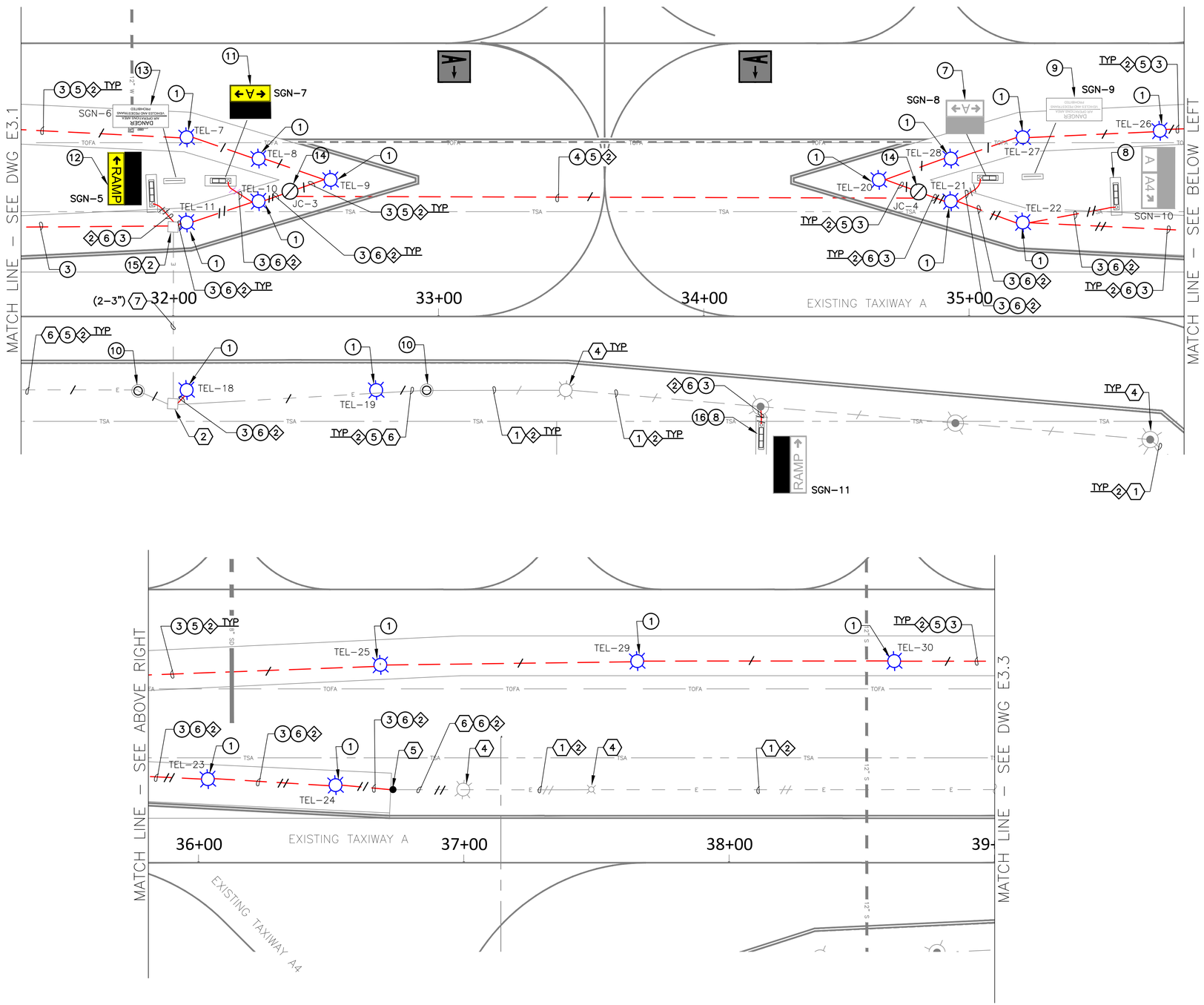

0' 10' 20' 40'
SCALE: 1"=20'

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DIBBLE

CONSTRUCTION NOTE

1. NEW L-861T (QUARTZ) TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER ON NEW L-867 BASE (18 TOTAL)
3. 1-2"C SE (985 LF)
4. 2-2"C CE (240 LF)
5. NEW 1/C, #8 5KV L-824, TYPE "C" AIRFIELD LIGHTING CABLE (1,305 LF)
6. NEW 2/C, #8 5KV L-824, TYPE "C" AIRFIELD LIGHTING CABLE (535 LF)
7. INSTALL SALVAGED L-858 SIZE 1, 2-MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE (1 TOTAL)
8. INSTALL SALVAGED L-858 SIZE 1, 3-MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE (2 TOTAL)
9. INSTALL SALVAGED UNLIGHTED L-858 SIZE 2, AIRFIELD GUIDANCE SIGN ON NEW SIGN BASE. (1 TOTAL)
10. INSTALL NEW BLANK STEEL COVER ON EXISTING LIGHT BASE (2 TOTAL)
11. NEW L-858(L) LED SIZE 1, 2-MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE (1 TOTAL)
12. NEW L-858(L) LED SIZE 1, 3-MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE (1 TOTAL)
13. INSTALL NEW UNLIGHTED L-858 SIZE 2, AIRFIELD GUIDANCE SIGN ON NEW SIGN BASE. (1 TOTAL)
14. NEW L-867E (24" DIA) JUNCTION CAN WITH BLANK COVER. (2 TOTAL)
15. INSTALL CONCRETE COLLAR FOR ELEVATION ADJUSTMENT OF EXISTING 4'X4'X4' HANDHOLE LID. (1 TOTAL)
16. INSTALL BLANK PANELS IN EXISTING SIGN (2 TOTAL)

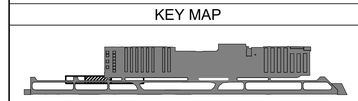
REFERENCE NOTE

1. EXISTING CONDUIT AND CONDUCTOR
3. EXISTING AIRFIELD GUIDANCE SIGN
4. EXISTING ELEVATED LIGHT FIXTURE
5. APPROXIMATE SPLICE OF POINT OF EXISTING CONDUIT AND COUNTERPOISE
6. EXISTING CONDUIT
7. EXISTING DUCTBANK

CIRCUIT IDENTIFICATION

2. TAXIWAY CIRCUIT

KEY MAP



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CATHERINE ALCORN
Date Signed 7/30/26
ARIZONA, U.S.A.

Designed	Drawn	Checked
SW	JBW	CA

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307

AIRFIELD ELECTRICAL SITE PLAN

Scale 1" = 20'
Date 7/30/2026

E3.2

Contact Arizona 811 at least two full working days before you begin excavation
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SHT. 72
OF 86

FILE NAME: 22014 PH3 E3.1 PLOTTING DATE: 07.29.2026 REVISION DATE: AUTOCAD VER.: 2026

DSC # -----

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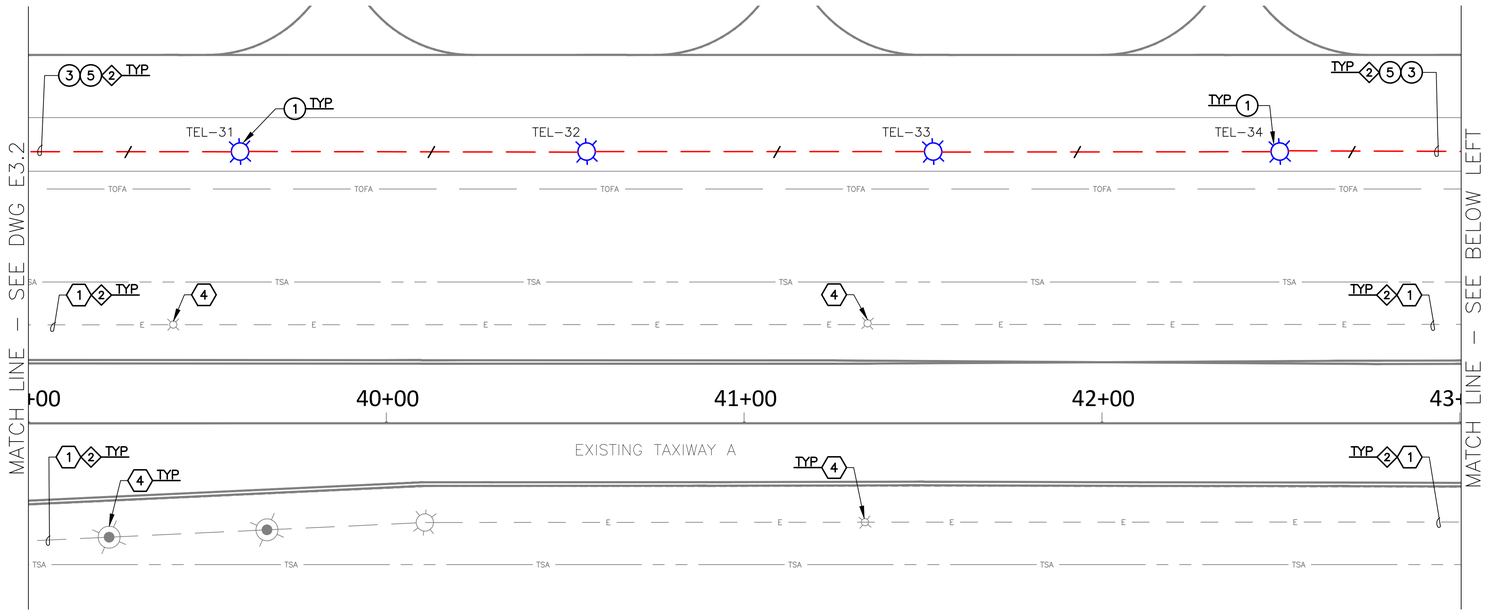

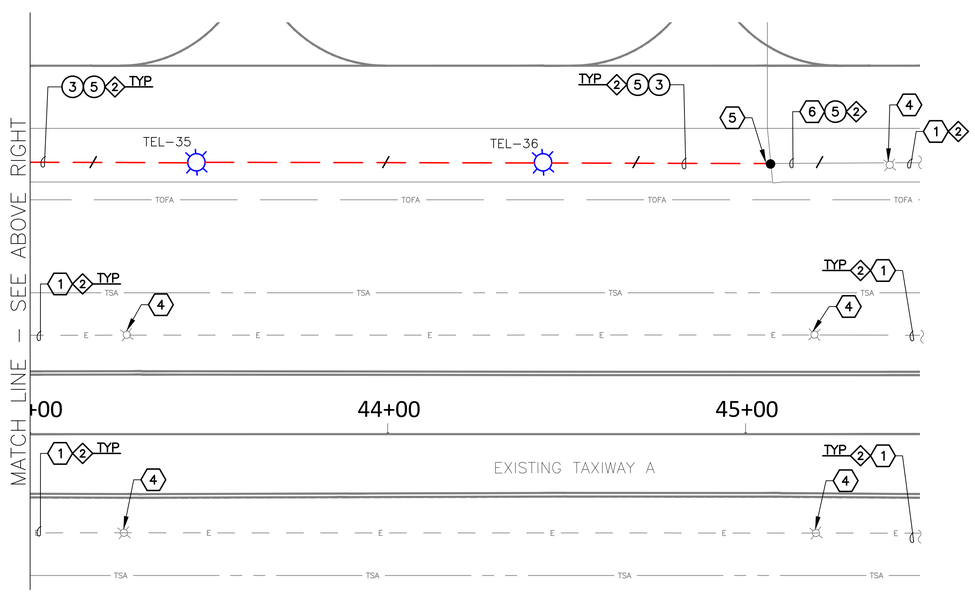

N

0' 10' 20' 40'

SCALE: 1"=20'

ELECTRICAL DESIGN BEST SHOWN IF THIS DRAWING IS PRINTED OR COPIED IN COLOR.

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DIBBLE

CONSTRUCTION NOTE

1. NEW L-861T (QUARTZ) TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER ON NEW L-867 BASE (6 TOTAL)
3. 1-2"C SE (610 LF)
5. NEW 1/C, #8 5KV L-824, TYPE "C" AIRFIELD LIGHTING CABLE (690 LF)

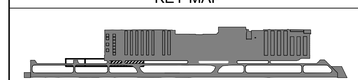
REFERENCE NOTE

1. EXISTING CONDUIT AND CONDUCTOR
4. EXISTING ELEVATED LIGHT FIXTURE
5. APPROXIMATE SPLICE OF POINT OF EXISTING CONDUIT AND COUNTERPOISE
6. EXISTING CONDUIT

CIRCUIT IDENTIFICATION

2. TAXIWAY CIRCUIT

KEY MAP



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5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil)
CERTIFICATE NO. 36696
CATHERINE ALCORN
Date Signed 7-30-26
ARIZONA, U.S.A.

Designed	Drawn	Checked
SW	JBW	CA

REVISIONS

No.	Date	Description

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III

6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307

AIRFIELD ELECTRICAL SITE PLAN

Scale 1" = 20'
Date 7/30/2026

E3.3

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SHT. 73
OF 86

DSC # -----

FILE NAME: 22014 PH3 E3.1 PLOTTING DATE: 07.29.2026 REVISION DATE: AUTOCAD VER.: 2026

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GLENDALE AIRPORT AIRFIELD GUIDANCE SIGNAGE SCHEDULE

SIGN NUMBER	CIRCUIT	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	TAXIWAY	A [redacted] B ←RAMP	BLANK	<|RA|MP	B	B/Y | B/Y | B/Y	1	2	1	E3.1	NEW L–858(L) LED SIZE 1, 3–MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE
SGN–2	TAXIWAY	A B ←A→	EXISTING		EXISTING		EXISTING			E3.1	EXISTING AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE
SGN–3		DANGER AIR OPERATIONS AREA VEHICLES & PEDESTRIANS PROHIBITED	EXISTING				EXISTING			E3.1	EXISTING UNLIGHTED SIGN ON NEW SIGN BASE
SGN–4	TAXIWAY	A ← RAMP B A A3→	RA|MP|→	A | A3 |→	B/Y | B/Y | B/Y	Y/B | B/Y | Y/B	1	2	1	E3.1	NEW L–858(L) LED SIZE 1, 3–MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE
SGN–5	TAXIWAY	A [redacted] B ←RAMP	BLANK	<|RA|MP	B	B/Y | B/Y | B/Y	1	2	1	E3.2	NEW L–858(L) LED SIZE 1, 3–MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE
SGN–6		DANGER AIR OPERATIONS AREA VEHICLES & PEDESTRIANS PROHIBITED	DANGER AIR OPERATIONS AREA VEHICLES & PEDESTRIANS PROHIBITED		B/W		2	4		E3.2	NEW L–858 SINGLE–FACE SIZE 2 UNLIGHTED AIRFIELD GUIDANCE SIGN ON NEW SIGN BASE
SGN–7	TAXIWAY	A [redacted] B ←A→	BLANK	<|A →	B	B/Y | B/Y	1	2	1	E3.2	NEW L–858(L) LED SIZE 1, 2–MODULE AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE
SGN–8	TAXIWAY	A B ←A→	EXISTING		EXISTING		EXISTING			E3.2	EXISTING AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE
SGN–9		DANGER AIR OPERATIONS AREA VEHICLES & PEDESTRIANS PROHIBITED	EXISTING				EXISTING			E3.2	EXISTING UNLIGHTED SIGN ON NEW SIGN BASE
SGN–10	TAXIWAY	A B A A4↗	EXISTING		EXISTING		EXISTING			E3.2	EXISTING AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE
SGN–11	TAXIWAY	A [redacted] B RAMP →	BLANK	EXISTING	B	EXISTING	EXISTING			E3.2	EXISTING AIRFIELD GUIDANCE SIGN AND ISOLATION TRANSFORMER ON NEW SIGN BASE WITH NEW PANELS AS SHOWN EXISTING SIGN IS CROUSE HINDS CABINET SYTLE WITH SMALL PANEL (29" x 19 1/2") AND LARGE PANEL (58" x 19 1/2")

CITY OF GLENDALE
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Glendale ARIZONA

Registered Professional Engineer (Civil)
CERTIFICATE NO. 36696
CATHERINE ALCORN
Date Signed 20 JUL 26
ARIZONA, U.S.A.

Designed SW
Drawn JBW
Checked CA

REVISIONS

No.	Date	Description

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307

AIRFIELD GUIDANCE SIGNAGE SCHEDULE

Scale NONE
Date 7/30/2026

E4.1

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FILE NAME: 22014 PH3 E4.1 - AIRFIELD GUIDANCE SIGN SCHEDULE
PLOTTING DATE: 07.29.2026
REVISION DATE:
AUTOCAD VER.: 2026

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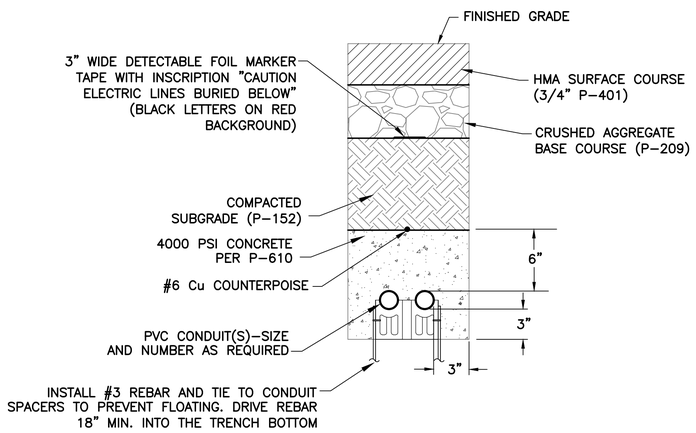
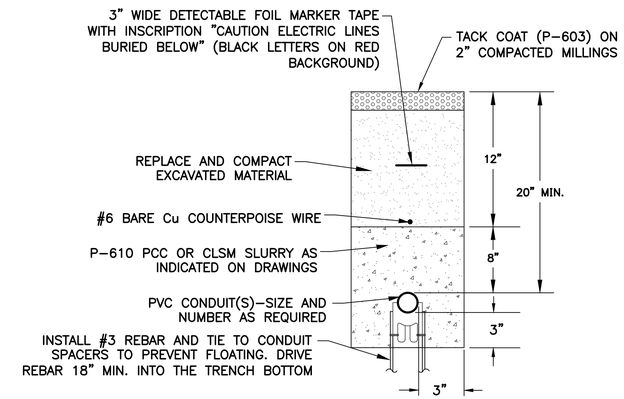


ALL DIMENSIONS ARE MINIMUM

503 TYP *CONCRETE ENCASED (CE) CONDUIT DUCTBANK*
NTS

GENERAL NOTES FOR CONDUIT INSTALLATION

1. PROVIDE MULE TAPE IN ALL (NEW) UNUSED CONDUITS. PLUG ENDS IN HANDHOLES.
2. P-610 CONCRETE ENCASE UNDER PAVEMENT AND DRAINAGE CHANNELS AS INDICATED ON PLANS.
3. INSTALL A #6 BARE COPPER (Cu) COUNTERPOISE ABOVE EACH DUCT ASSEMBLY FROM HANDHOLE-TO-HANDHOLE AND EXOTHERMICALLY WELD TO GROUND RODS AT EACH HANDHOLE.
4. INSTALL LIGHTING SERIES CIRCUITS AS FOLLOWS:
   A. ONE CIRCUIT (1 OR 2 CONDUCTORS) PER 2°C. LIMIT 4°C TO NO MORE THAN (8) CONDUCTORS.
   B. START INSTALLATION IN BOTTOM CONDUITS OF DUCT ARRAY, LEAVING THE UPPER CONDUITS EMPTY.
5. ALL UNDERGROUND CONDUITS SHALL MAINTAIN A 12" (MIN.) SEPARATION FROM ALL OTHER (EXISTING OR NEW) UNDERGROUND FACILITIES (i.e. water, sewer, and gas lines, including both public and private), UNLESS NOTED OTHERWISE ON DRAWINGS
6. CONDUIT IN DUCTBANK(S) ARE TO BE STACKED NO MORE THAN FOUR (4) CONDUITS. IF MORE CONDUITS ARE NEEDED, THE WIDTH OF THE TRENCH IS TO BE INCREASED
7. SEE CIVIL SHEET GG1.06 FOR TYPICAL SECTIONS AND DETAILS.



ALL DIMENSIONS ARE MINIMUM. DETAIL APPLICABLE FOR ALL CONDUIT BETWEEN L-867/868 BASE CANS.

506 TYP *EDGE LIGHTING CONDUIT DETAIL*
NTS

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Registered Professional Engineer (Civil) CERTIFICATE NO. 36696 CATHERINE ALCORN Date Signed 29 JUL 26 ARIZONA, U.S.A.

Designed	Drawn	Checked
SW	JBW	CA

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
AIRFIELD LIGHTING AND ELECTRICAL DETAILS – DUCTBANKS

Scale NTS
Date 7/30/2026

E5.1

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OF 86

DSC # ------

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FILE NAME: 22014 PH3 E5.1 - DUCTBANK DETAILS PLOTTING DATE: 07.29.2026 REVISION DATE: AUTOCAD VER.: 2026

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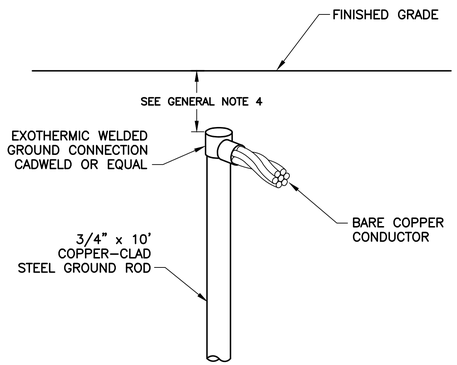
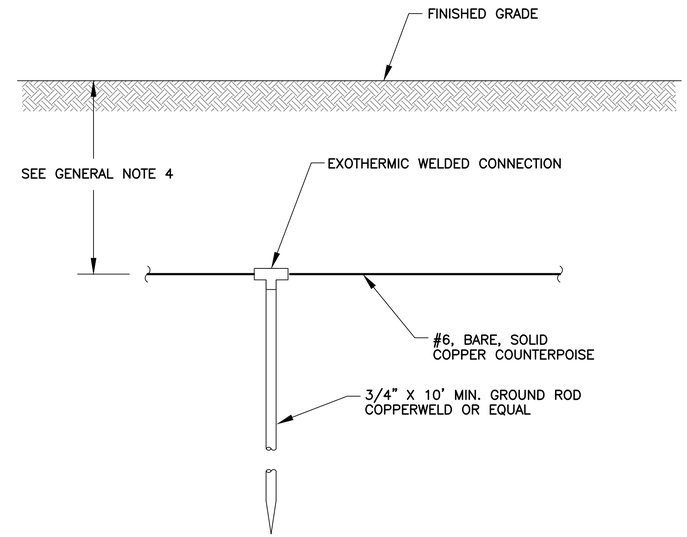
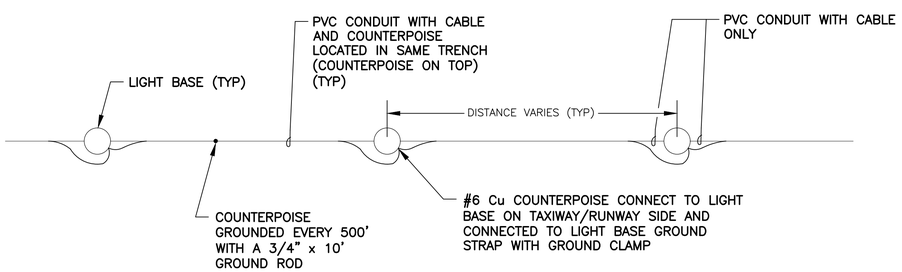


561 TYP CABLE TO GROUND ROD CONNECTION
NTS

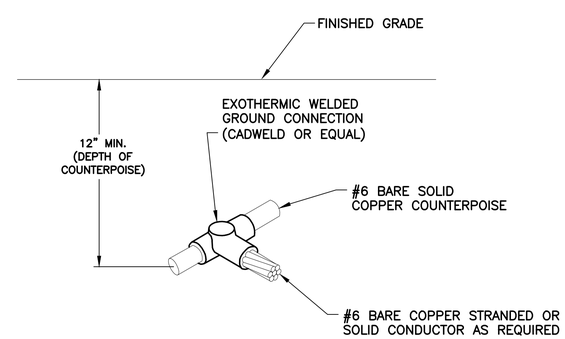


761 TYP COUNTERPOISE INSTALLATION DETAIL
NTS



EQUIPOTENTIAL METHOD

762 TYP COUNTERPOISE AND GROUND ROD CONNECTIONS DETAIL
NTS



766 TYP COUNTERPOISE TO CABLE CONNECTION DETAIL
NTS

GENERAL NOTES

1. COST OF GROUND RODS IS 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 CONDUIT/DUCT BANK DETAILS FOR DEPTHS.

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Registered Professional Engineer (Electrical)
CERTIFICATE NO. 36696
CATHERINE ALCORN
Date Signed 20-JUL-26
ARIZONA, U.S.A.

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GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
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AIRFIELD LIGHTING AND ELECTRICAL DETAILS – GROUNDING

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Date 7/30/2026

E5.2

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FILE NAME: 22014 PH3 E5.2 - GROUNDING DETAILS PLOTTING DATE: 07.29.2026 REVISION DATE: AUTOCAD VER.: 2026

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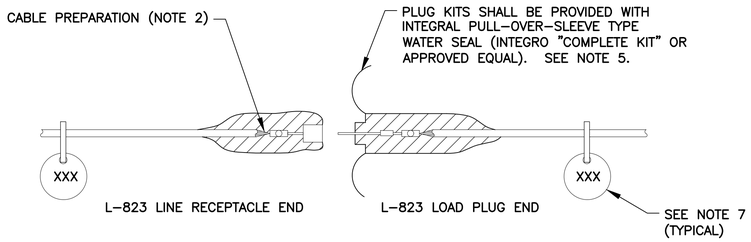
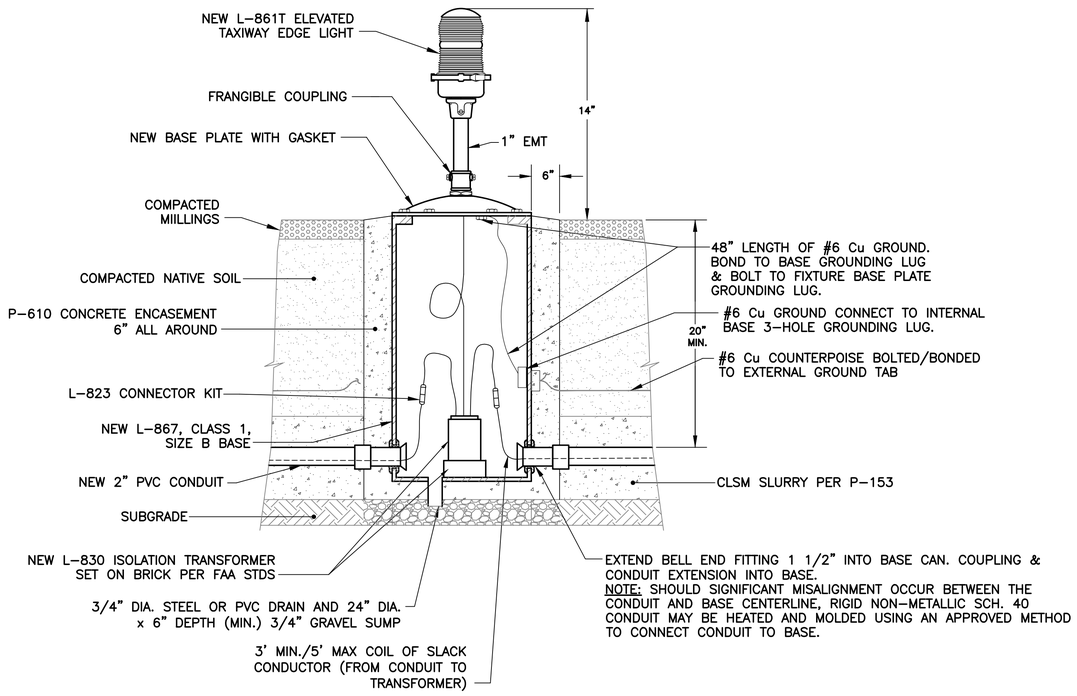


FOR SPLICES INSIDE CANS AND HANDHOLES

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 AND 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 OR WHITE 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.

925 TYP — *TYPICAL 5KV CABLE SPLICE*
NTS



901 TYP — *ELEVATED EDGE LIGHT DETAIL*
NTS

NOTES

1. SEE CIVIL SHEET GG1.06 FOR TYPICAL PAVEMENT SECTIONS AND DETAILS.

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AIRFIELD LIGHTING AND ELECTRICAL DETAILS – 5KV CABLE SPLICE & ELEVATED EDGE LIGHT

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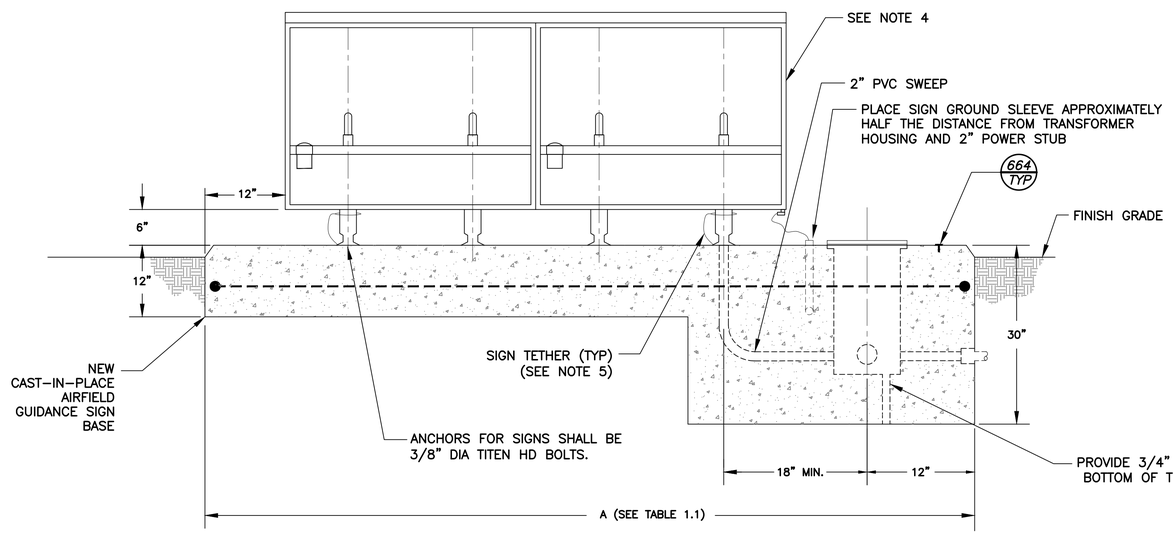
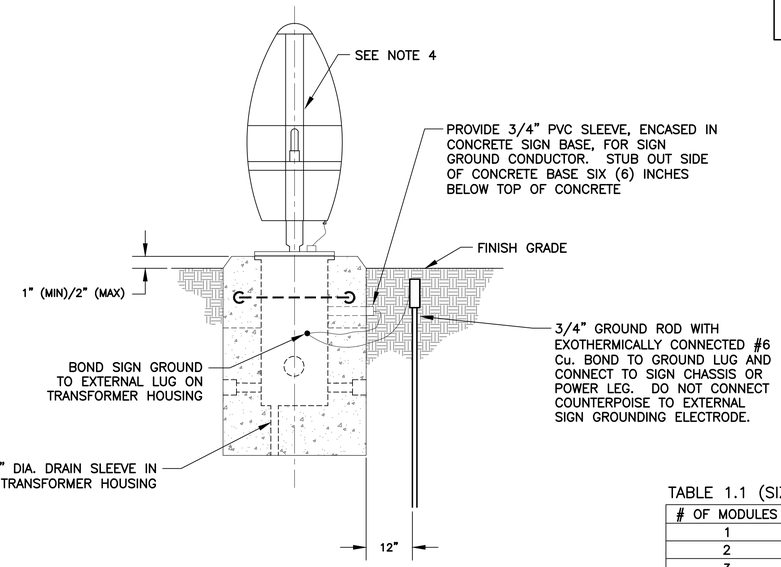


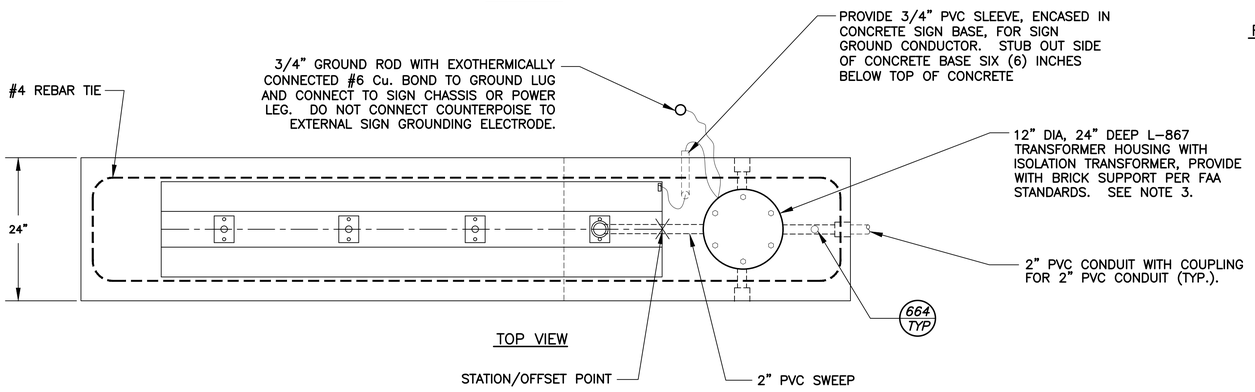
SIDE VIEW



FRONT VIEW (CAN SIDE)

TABLE 1.1 (SIZE 1 SIGNS):

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



TOP VIEW

919 TYP NEW CAST-IN-PLACE GUIDANCE SIGN BASE DETAIL
NTS

NOTES

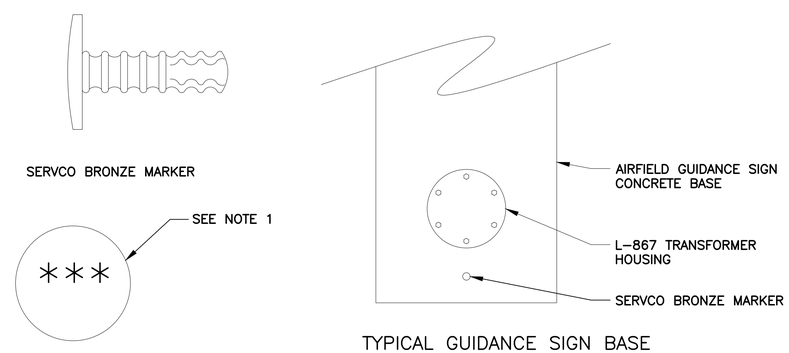
1. NEW CAST-IN-PLACE CONCRETE BASE SHOWN WITH A TWO MODULE SIGN FOR ILLUSTRATIVE PURPOSES ONLY. SEE TABLE 1.1 FOR LENGTH OF BASE NEEDED FOR MULTIPLE MODULE SIGNS.
2. BASE SHALL BE CONSTRUCTED LEVEL, 1" ABOVE FINISHED GRADE OF AREA WHERE BASE IS CONSTRUCTED.
3. TRANSFORMER HOUSING SHALL BE ORIENTED AT TAXIWAY/RUNWAY EDGE
4. EXISTING SIGNS ON NEW CONCRETE SIGN BASES SHALL USE NEW ANCHORS/HARDWARE.
5. 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 AIRFIELD GUIDANCE SIGNS (PROVIDED FOR REFERENCE ONLY)

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

* THE HEIGHT REFERRED TO IN THIS COLUMN IS THE DISTANCE FROM TOP OF THE SIGN TO GRADE MEASURED AT THE SIDE OF THE SIGN THAT IS NEAREST TO THE APPLICABLE RUNWAY, TAXIWAY, OR APRON. IN ACCORDANCE WITH PARAGRAPH 1.14, THIS HEIGHT SHOULD BE REDUCED, IF NECESSARY, TO PROVIDE THE REQUIRED 12-IN CLEARANCE BETWEEN THE TOP OF THE SIGN AND THE CRITICAL AIRCRAFT (AS NOTED IN PARAGRAPH 1.14.3.

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



TYPICAL GUIDANCE SIGN BASE MARKER LOCATION

664 TYP CIRCUIT IDENTIFICATION MARKER
NTS

NOTE:

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

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

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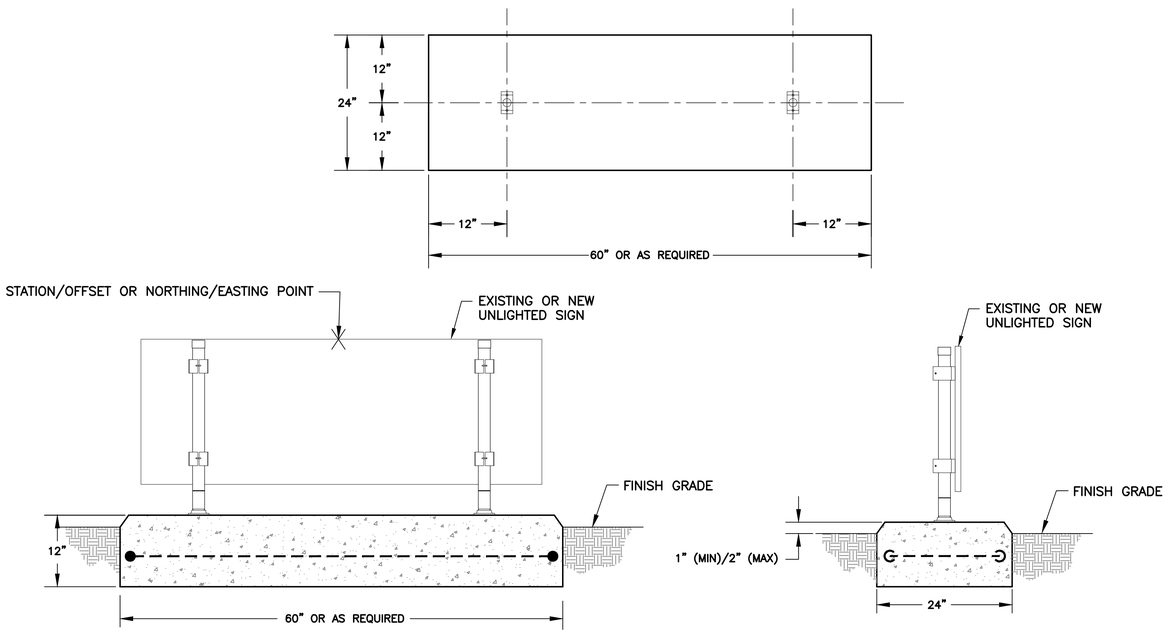
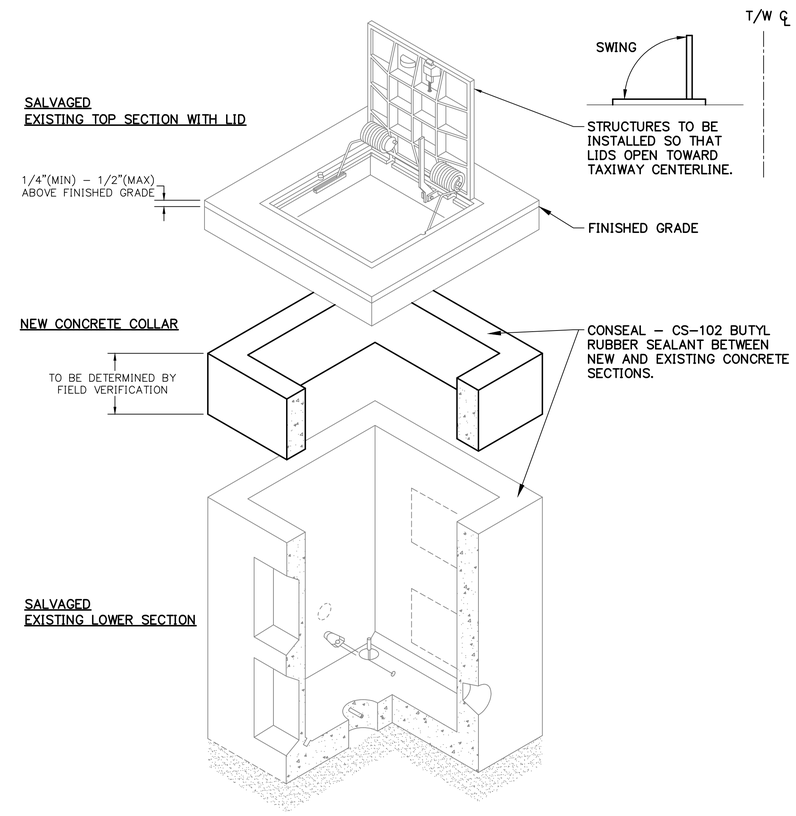


923 TYP *UNLIGHTED AIRSIDE GUIDANCE SIGN BASE DETAIL*
NTS



574 TYP *EXISTING HANDHOLE ELEVATION ADJUSTMENT DETAIL*
NTS

HANDHOLE NOTES:

1. ALL STEEL, OTHER THAN REBAR, TO BE HOT DIPPED GALVANIZED AFTER FABRICATION.
2. GROUT ALL CONDUIT PENETRATIONS.
3. PROVIDE MFGR DWGS AND STRUCTURAL CALCS FOR ALL CONCRETE ELEMENTS OF HANDHOLES, FABRICATED TRAFFIC LIDS, AND NEW CONCRETE COLLAR.
4. NOTE: DO NOT CONNECT COUNTERPOISE TO GROUNDING SYSTEM. ROUTE AROUND HANDHOLES.
5. SEE SITE PLANS FOR HANDHOLE DIMENSION REQUIREMENTS.
6. THE EXISTING TOP AND BOTTOM SECTIONS OF THE ELECTRICAL HANDHOLE ARE TO BE REUSED. A NEW CONCRETE COLLAR WILL BE ADDED TO ADJUST THE HANDHOLE TOP SECTION TO NEW FINISHED GRADE. FIELD VERIFY DIMENSIONS AND ELEVATIONS PRIOR TO FABRICATION. SUBMIT SHOP DRAWINGS FOR REVIEW.

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AIRFIELD LIGHTING AND ELECTRICAL DETAILS – UNLIGHTED SIGN BASE

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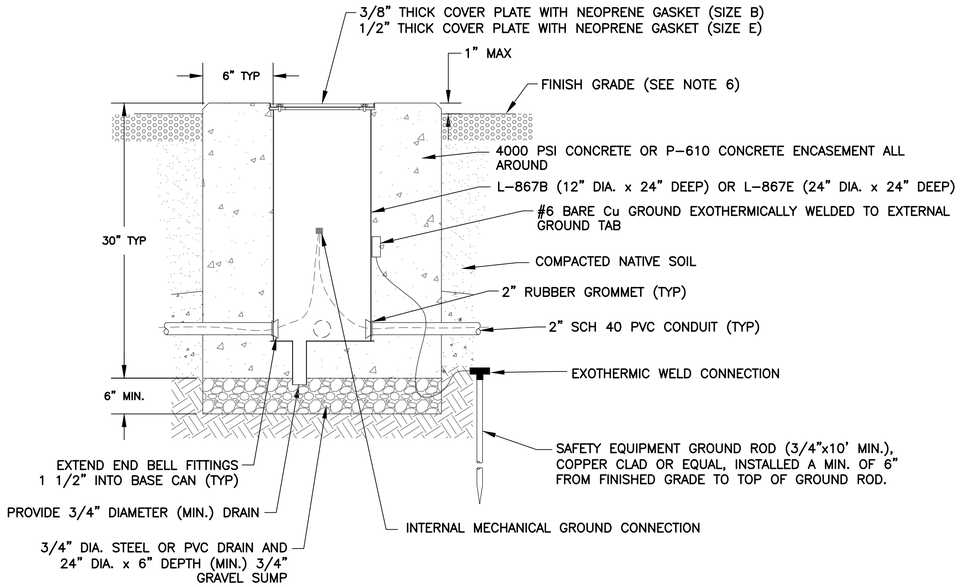
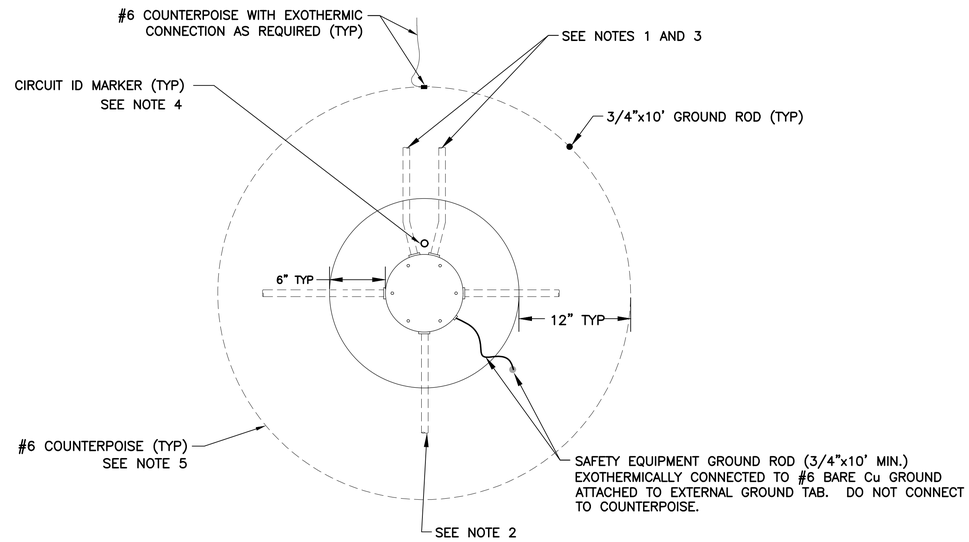
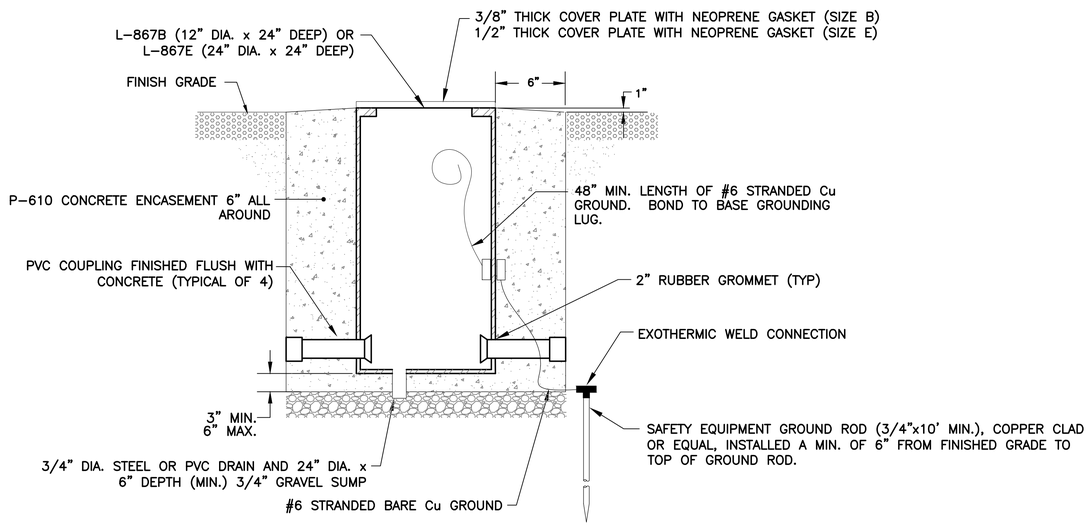




821 TYP *L-867B OR L-867E JUNCTION CAN DETAIL*
NTS

NOTES:

1. NUMBER OF JUNCTION CANS AND CONDUIT CONFIGURATIONS VARY. SEE LAYOUT PLAN SHEETS FOR ORIENTATION.
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 – THIS IS INCIDENTAL TO THE INSTALLATION OF THE JUNCTION CAN.
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 JUNCTION CAN DETAIL*
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 MY 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. CONTRACTOR SHALL GRADE AROUND JUNCTION CAN AS NECESSARY TO PREVENT SILT/DIRT INFILTRATION ONTO JUNCTION CAN. NO SEPARATE PAYMENT SHALL BE MADE.

GENERAL NOTES:

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

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AIRFIELD LIGHTING AND ELECTRICAL DETAILS – JUNCTION CAN

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TAXIWAY EDGE LIGHTS
(SEE GENERAL NOTE 2)

NUMBER	STATION	OFFSET
TEL–1	27+27.65	35.44' LT
TEL–2	28+04.30	58.11' LT
TEL–3	29+88.57	51.49' LT
TEL–4	30+15.71	59.52' LT
TEL–5	30+42.84	67.54' LT
TEL–6	31+23.96	71.38' LT
TEL–7	32+05.11	67.54' LT
TEL–8	32+32.21	59.52' LT
TEL–9	32+59.34	51.49' LT
TEL–10	32+32.25	43.46' LT
TEL–11	32+05.08	35.44' LT
TEL–12	30+85.09	33.44' LT
TEL–13	30+42.84	35.44' LT
TEL–14	30+15.71	43.46' LT
TEL–15	27+27.65	27.66' RT
TEL–16	28+04.91	27.64' RT
TEL–17	28+72.17	27.63' RT
TEL–18	32+05.08	27.70' RT
TEL–19	32+76.53	27.72' RT
TEL–20	34+66.00	51.49' LT
TEL–21	34+93.13	43.46' LT
TEL–22	35+20.26	35.44' LT
TEL–23	36+03.52	31.50' LT
TEL–24	36+51.65	29.23' LT
TEL–25	36+68.56	74.55' LT
TEL–26	35+71.92	69.98' LT
TEL–27	35+20.26	67.54' LT
TEL–28	34+93.13	59.52' LT
TEL–29	37+65.39	75.98' LT
TEL–30	38+62.25	75.98' LT
TEL–31	39+59.11	75.98' LT
TEL–32	40+55.97	75.98' LT
TEL–33	41+52.83	75.98' LT
TEL–34	42+49.69	75.98' LT
TEL–35	43+46.55	75.98' LT
TEL–36	44+43.41	75.98' LT

AIRFIELD GUIDANCE SIGNS DATA TABLE
(SEE GENERAL NOTE 4)

NUMBER	STATION	OFFSET
SGN–1	27+28.58	43.99' LT
SGN–2	30+27.75	52.24' LT
SGN–3	30+46.55	52.68' LT
SGN–4	29+40.44	35.90' RT
SGN–5	31+92.05	43.33' LT
SGN–6	32+00.45	51.11' LT
SGN–7	32+19.76	51.12' LT
SGN–8	35+05.18	52.24' LT
SGN–9	35+23.98	52.68' LT
SGN–10	35+55.53	42.22' LT
SGN–11	34+21.71	41.87' RT

JUNCTION CAN DATA TABLE

NUMBER	STATION	OFFSET
JC–1	27+67.99	47.67' LT
JC–2	30+03.87	47.28' LT
JC–3	32+44.07	47.19' LT
JC–4	34+80.93	46.94' LT

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).
4. CONTRACTOR TO ENSURE AIRFIELD GUIDANCE SIGN LOCATIONS FALL WITHIN FAA SPECIFICATIONS EDGE OF FULL STRENGTH PAVEMENT/OUTER EDGE OF TAXIWAY EDGE MARKING. CONTRACTOR SHALL CONFIRM ANY DIFFERENCES OF MEASUREMENTS/DISCRPANCIES, WHEN SURVEY OF AIRFIELD GUIDANCE SIGN AND BASE IS BEING PERFORMED, WITH ENGINEER BEFORE SIGN BASE IS INSTALLED.

EQUIPMENT LOCATION STANDARDS TABLE
(PROVIDED FOR REFERENCE ONLY)

EQUIPMENT TYPE	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)
SIZE 1 AIRFIELD GUIDANCE SIGNS	10' – 20' (SEE GENERAL NOTE 4)	MEASURE TO SIGN EDGE CLOSEST TO TAXIWAY EDGE/OUTER TAXIWAY EDGE MARKING (SEE FAA AC 1505340–18)
JUNCTION CAN		STATION/OFFSET GIVEN IS CENTER OF HANDHOLE LID

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EQUIPMENT DATA TABLES

Scale NONE
Date 7/30/2026

E6.1

Contact Arizona 811 at least two full working days before you begin excavation
ARIZONA811
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SHT. 81
OF 86

DSC #

Q:\PROJECTS\2200\22014 GEU S APRON RECON PHASE 2\CAD\CAD SHEETS\PHASE 3 SHEETS\22014 PH3 E6.1 - EQUIPMENT DATA TABLES.DWG 29 Jul 2026 9:14 AM

DIBBLE

Glendale ARIZONA

CITY OF GLENDALE

ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) 47425 DANIEL H. DANA Date Signed 07/30/26 ARIZONA U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

REVISIONS

No.	Date	Description
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△		
△		
△		

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
BORING LOCATION PLAN

Scale 1"=60'
Date 7/30/2026

GT1.01

Contact Arizona 811 at least two full working days before you begin excavation
ARIZONA811
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SHT. 82
OF 86

FILE NAME: 20058_14-GT1_00-05 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

DSC # -------

J:\2024\1024130.03_GEU_SOUTH_APRON_RECON_PHASE_3\CAD\PHASE III\20058_14-GT1_00-05.DWG 3 Aug, 2026 7:12 AM

Rig Type: CME-75
Boring Type: Hollow Stem Auger
Surface Elevation: N/A

Depth (feet)	Visual Classification	Sample Number	Depth of Sample	Natural Water Content (%)	In-place Dry Density (P.C.F.)
0	2.5" ASPHALT (0.2); 8" Aggregate Base (0.9); Dense Light Brown to Brown CLAYEY SAND (SC-Dry to Moist) with Little Gravel	S-1	2.5	NT	NT
5	Dense	S-2	6.5	NT	NT
10	Medium Dense Light Brown to Brown SILTY SAND (SM-Dry to Moist) with Little Gravel (8.5); End of Boring (11.5)	S-3	11.5	NT	NT

Penetration Resistance Blows per Foot (0–50)

Boring Date: 7-28-22
Field Engineer/Technician: R. Bainum
Driller: T. Crain
Contractor: Resilient Drilling

Water Level

Depth	Hour	Date
Free Water was Not Encountered		

NT = Not Tested

SPEEDIE AND ASSOCIATES

Log of Test Boring Number: **B-15**

GEU South Apron Reconstruction Phase 2

6801 N. Glen Harbor Boulevard

Glendale, Arizona

Project No.: **221505SB**

SPEEDIE 21505SB.GPJ GENGEO.GDT 8/5/22

Rig Type: CME-75
Boring Type: Hollow Stem Auger
Surface Elevation: N/A

Depth (feet)	Visual Classification	Sample Number	Depth of Sample	Natural Water Content (%)	In-place Dry Density (P.C.F.)
0	1.75" ASPHALT (0.2); FILL: Brown SILTY, CLAYEY SAND (SC/SM-Moist) And Gravel (0.6); Dense Brown SILTY, CLAYEY SAND (SC/SM-Moist) with Little Gravel	S-1	2.5	NT	NT
5	Dense Light Brown to Brown CLAYEY SAND (SC-Dry to Moist) with Little Gravel (3.5); Dense	S-2	6.5	NT	NT
10	Medium Dense Light Brown POORLY GRADED SAND with SILT (SM-Dry to Moist) with Little Gravel (8.5)	S-3	11.5	NT	NT
	End of Boring (11.5)				

Penetration Resistance Blows per Foot (0–50)

Boring Date: 7-28-22
Field Engineer/Technician: R. Bainum
Driller: T. Crain
Contractor: Resilient Drilling

Water Level

Depth	Hour	Date
Free Water was Not Encountered		

NT = Not Tested

SPEEDIE AND ASSOCIATES

Log of Test Boring Number: **B-16**

GEU South Apron Reconstruction Phase 2

6801 N. Glen Harbor Boulevard

Glendale, Arizona

Project No.: **221505SB**

SPEEDIE 21505SB.GPJ GENGEO.GDT 8/5/22

Rig Type: CME-75
Boring Type: Hollow Stem Auger
Surface Elevation: N/A

Depth (feet)	Visual Classification	Sample Number	Depth of Sample	Natural Water Content (%)	In-place Dry Density (P.C.F.)
0	2.0" ASPHALT (0.2); Medium Dense Light Brown to Brown CLAYEY SAND (SC-Moist) with Little Gravel	S-1	2.5	NT	NT
5	Dense, Trace Weak Cementation, Some Gravel, Dry to Moist CLAYEY SAND	BS-2	5.0	NT	NT
		S-3	6.5	NT	NT
10	Medium Dense Light Brown POORLY GRADED (Medium) SAND (SP-Dry to Moist) with Little Gravel (8.0)	S-4	11.5	NT	NT
	End of Boring (11.5)				

Penetration Resistance Blows per Foot (0–50)

Boring Date: 7-28-22
Field Engineer/Technician: R. Bainum
Driller: T. Crain
Contractor: Resilient Drilling

Water Level

Depth	Hour	Date
Free Water was Not Encountered		

NT = Not Tested

SPEEDIE AND ASSOCIATES

Log of Test Boring Number: **B-17**

GEU South Apron Reconstruction Phase 2

6801 N. Glen Harbor Boulevard

Glendale, Arizona

Project No.: **221505SB**

SPEEDIE 21505SB.GPJ GENGEO.GDT 8/5/22

Rig Type: CME-75
Boring Type: Hollow Stem Auger
Surface Elevation: N/A

Depth (feet)	Visual Classification	Sample Number	Depth of Sample	Natural Water Content (%)	In-place Dry Density (P.C.F.)
0	2.25" ASPHALT (0.2); 6" Aggregate Base (0.7); Dense Light Brown SILTY, CLAYEY SAND (SC/SM-Dry to Moist) with Some Gravel	S-1	2.5	NT	NT
5	Medium Dense	S-2	6.5	NT	NT
10	Medium Dense Light Brown SILTY SAND (SM-Dry to Moist) with Little Gravel (7.5); End of Boring (11.5)	S-3	11.5	NT	NT

Penetration Resistance Blows per Foot (0–50)

Boring Date: 7-28-22
Field Engineer/Technician: R. Bainum
Driller: T. Crain
Contractor: Resilient Drilling

Water Level

Depth	Hour	Date
Free Water was Not Encountered		

NT = Not Tested

SPEEDIE AND ASSOCIATES

Log of Test Boring Number: **B-18**

GEU South Apron Reconstruction Phase 2

6801 N. Glen Harbor Boulevard

Glendale, Arizona

Project No.: **221505SB**

SPEEDIE 21505SB.GPJ GENGEO.GDT 8/5/22

Rig Type: CME-75
Boring Type: Hollow Stem Auger
Surface Elevation: N/A

Depth (feet)	Visual Classification	Sample Number	Depth of Sample	Natural Water Content (%)	In-place Dry Density (P.C.F.)
0	3.0" ASPHALT (0.3); 2" Aggregate Base (0.4); Very Dense Light Brown to Brown CLAYEY SAND (SC-Dry to Moist) with Some Gravel	S-1	1.7	NT	NT
5	Medium Dense Light Brown to Brown SILTY SAND (SM-Dry to Moist) with Little Gravel (5.0)	S-2	6.5	NT	NT
10	End of Boring (11.5)	S-3	11.5	NT	NT

Penetration Resistance Blows per Foot (0–50): 50/1"

Boring Date: 7-28-22
Field Engineer/Technician: R. Bainum
Driller: T. Crain
Contractor: Resilient Drilling

Water Level

Depth	Hour	Date
Free Water was Not Encountered		

NT = Not Tested

SPEEDIE AND ASSOCIATES

Log of Test Boring Number: **B-19**

GEU South Apron Reconstruction Phase 2

6801 N. Glen Harbor Boulevard

Glendale, Arizona

Project No.: **221505SB**

SPEEDIE 21505SB.GPJ GENGEO.GDT 8/5/22

Rig Type: CME-75
Boring Type: Hollow Stem Auger
Surface Elevation: N/A

Depth (feet)	Visual Classification	Sample Number	Depth of Sample	Natural Water Content (%)	In-place Dry Density (P.C.F.)
0	2.0" ASPHALT (0.2); Dense Light Brown SILTY SAND (SM-Dry to Moist) with Trace Gravel	RS-1	2.0	5.8	110.8
5	Some Gravel	S-2	6.5	NT	NT
10	Dense Gray SILTY GRAVEL with SAND (GM-Dry) with 10-20% Cobbles (11.0); End of Boring (11.5)	S-3	11.5	NT	NT

Penetration Resistance Blows per Foot (0–50): 77/12"

Boring Date: 7-28-22
Field Engineer/Technician: R. Bainum
Driller: T. Crain
Contractor: Resilient Drilling

Water Level

Depth	Hour	Date
Free Water was Not Encountered		

NT = Not Tested

SPEEDIE AND ASSOCIATES

Log of Test Boring Number: **B-20**

GEU South Apron Reconstruction Phase 2

6801 N. Glen Harbor Boulevard

Glendale, Arizona

Project No.: **221505SB**

SPEEDIE 21505SB.GPJ GENGEO.GDT 8/5/22

DIBBLE

Glendale ARIZONA

CITY OF GLENDALE

ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) CERTIFICATE NO. 47425 DANIEL H. DANA Date Signed 07/30/26 ARIZONA U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III

6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307

BORING LOGS 1

Scale NTS
Date 7/30/2026

GT1.02

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SHT. 83
OF 86

DSC #

FILE NAME: 20058_14-GT1_00-05 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

J:\2024\1024130.03_GEU_SOUTH_APRON_RECON_PHASE_3\CAD\PHASE III\20058_14-GT1_00-05.DWG 3 Aug, 2026 7:12 AM

Rig Type: **CME-75**
Boring Type: **Hollow Stem Auger**
Surface Elevation: **N/A**

Visual Classification	Depth (feet)
3.0" ASPHALT	0.3
5" Aggregate Base	0.8
Dense Light Brown to Brown CLAYEY SAND (SC-Dry to Moist) with Little Gravel	5.0
Dense Brown SILTY SAND (SM-Dry to Moist) with Little Gravel	11.5
Loose, Trace Gravel	
End of Boring	

Sample Number	Depth of Sample	Natural Water Content (%)	In-place Dry Density (P.C.F.)	Penetration Resistance Blows per Foot
S-1	2.5	NT	NT	
S-2	6.5	NT	NT	
S-3	11.5	NT	NT	

Boring Date: **7-28-22**
Field Engineer/Technician: **R. Bainum**
Driller: **T. Crain**
Contractor: **Resilient Drilling**

Water Level

Depth	Hour	Date
Free Water was Not Encountered		

NT = Not Tested

SPEEDIE AND ASSOCIATES

Log of Test Boring Number: **B-21**

GEU South Apron Reconstruction Phase 2
6801 N. Glen Harbor Boulevard
Glendale, Arizona

Project No.: **221505SB**

_SPEEDIE 221505SB.GPJ GENVEO.GDT 8/2/22

Rig Type: **CME-75**
Boring Type: **Hollow Stem Auger**
Surface Elevation: **N/A**

Visual Classification	Depth (feet)
2.25" ASPHALT	0.2
Dense Light Brown CLAYEY SAND (SC-Dry to Moist) with Trace Gravel	4.0
Medium Dense Brown SILTY SAND (SM-Dry to Moist) with Trace Gravel	11.5
Loose, Fine Sand, No Gravel	
End of Boring	

Sample Number	Depth of Sample	Natural Water Content (%)	In-place Dry Density (P.C.F.)	Penetration Resistance Blows per Foot
S-1	2.5	NT	NT	
RS-2	6.0	9.0	123.5	
S-3	11.5	NT	NT	

Boring Date: **7-28-22**
Field Engineer/Technician: **R. Bainum**
Driller: **T. Crain**
Contractor: **Resilient Drilling**

Water Level

Depth	Hour	Date
Free Water was Not Encountered		

NT = Not Tested

SPEEDIE AND ASSOCIATES

Log of Test Boring Number: **B-22**

GEU South Apron Reconstruction Phase 2
6801 N. Glen Harbor Boulevard
Glendale, Arizona

Project No.: **221505SB**

_SPEEDIE 221505SB.GPJ GENVEO.GDT 8/2/22

Rig Type: **CME-75**
Boring Type: **Hollow Stem Auger**
Surface Elevation: **N/A**

Visual Classification	Depth (feet)
1.75" ASPHALT	0.2
Dense Brown SILTY SAND (SM-Moist) with Little Gravel	1.5
Dense Brown SILTY, CLAYEY SAND (SC/SM-Moist) with Trace Gravel	2.5
Medium Dense Brown CLAYEY SAND (SC-Dry to Moist) with Little Gravel	5.0
Hard Brown SANDY LEAN CLAY (CL-Dry to Moist) with Trace Gravel	8.0
Loose Brown SILTY SAND (SM-Dry to Moist)	11.5
End of Boring	

Sample Number	Depth of Sample	Natural Water Content (%)	In-place Dry Density (P.C.F.)	Penetration Resistance Blows per Foot
S-1	2.5	NT	NT	
S-2	6.5	NT	NT	
S-3	11.5	NT	NT	

Boring Date: **7-28-22**
Field Engineer/Technician: **R. Bainum**
Driller: **T. Crain**
Contractor: **Resilient Drilling**

Water Level

Depth	Hour	Date
Free Water was Not Encountered		

NT = Not Tested

SPEEDIE AND ASSOCIATES

Log of Test Boring Number: **B-23**

GEU South Apron Reconstruction Phase 2
6801 N. Glen Harbor Boulevard
Glendale, Arizona

Project No.: **221505SB**

_SPEEDIE 221505SB.GPJ GENVEO.GDT 8/2/22

Rig Type: **CME-75**
Boring Type: **Hollow Stem Auger**
Surface Elevation: **N/A**

Visual Classification	Depth (feet)
2.0" ASPHALT	0.2
Dense Brown SILTY, CLAYEY SAND (SC/SM-Dry to Moist) with Little Gravel	5.0
Very Dense Brown SILTY SAND (SM-Dry) with Some Gravel	11.5
Medium Dense	
End of Boring	

Sample Number	Depth of Sample	Natural Water Content (%)	In-place Dry Density (P.C.F.)	Penetration Resistance Blows per Foot
S-1	2.5	NT	NT	
BS-2	5.0	NT	NT	
S-3	6.5	NT	NT	60/12"
S-4	11.5	NT	NT	

Boring Date: **7-28-22**
Field Engineer/Technician: **R. Bainum**
Driller: **T. Crain**
Contractor: **Resilient Drilling**

Water Level

Depth	Hour	Date
Free Water was Not Encountered		

NT = Not Tested

SPEEDIE AND ASSOCIATES

Log of Test Boring Number: **B-24**

GEU South Apron Reconstruction Phase 2
6801 N. Glen Harbor Boulevard
Glendale, Arizona

Project No.: **221505SB**

_SPEEDIE 221505SB.GPJ GENVEO.GDT 8/2/22

Rig Type: **CME-75**
Boring Type: **Hollow Stem Auger**
Surface Elevation: **N/A**

Visual Classification	Depth (feet)
2.25" ASPHALT	0.2
8" Aggregate Base	0.9
Dense Brown SILTY, CLAYEY SAND (SC-Dry to Moist) with Some Gravel	9.0
Medium Dense	
Medium Dense Light Brown POORLY GRADED SAND with SILT (SP/SM-Dry to Moist) with Little Gravel	11.5
End of Boring	

Sample Number	Depth of Sample	Natural Water Content (%)	In-place Dry Density (P.C.F.)	Penetration Resistance Blows per Foot
RS-1	2.0	5.5	100.3	55/12"
S-2	6.5	NT	NT	
S-3	11.5	NT	NT	

Boring Date: **7-29-22**
Field Engineer/Technician: **R. Bainum**
Driller: **T. Crain**
Contractor: **Resilient Drilling**

Water Level

Depth	Hour	Date
Free Water was Not Encountered		

NT = Not Tested

SPEEDIE AND ASSOCIATES

Log of Test Boring Number: **B-25**

GEU South Apron Reconstruction Phase 2
6801 N. Glen Harbor Boulevard
Glendale, Arizona

Project No.: **221505SB**

_SPEEDIE 221505SB.GPJ GENVEO.GDT 8/2/22

Rig Type: **CME-75**
Boring Type: **Hollow Stem Auger**
Surface Elevation: **N/A**

Visual Classification	Depth (feet)
2.25" ASPHALT	0.2
8" Aggregate Base	0.7
Dense Brown SILTY, CLAYEY SAND (SC/SM-Dry to Moist) with Trace Gravel	4.0
Medium Dense Brown CLAYEY SAND (SC-Dry to Moist) with Trace Gravel	7.5
Medium Dense Brown SILTY SAND (SM-Dry to Moist) with Little Gravel	11.5
End of Boring	

Sample Number	Depth of Sample	Natural Water Content (%)	In-place Dry Density (P.C.F.)	Penetration Resistance Blows per Foot
S-1	2.5	NT	NT	
S-2	6.5	NT	NT	
S-3	11.5	NT	NT	

Boring Date: **7-29-22**
Field Engineer/Technician: **R. Bainum**
Driller: **T. Crain**
Contractor: **Resilient Drilling**

Water Level

Depth	Hour	Date
Free Water was Not Encountered		

NT = Not Tested

SPEEDIE AND ASSOCIATES

Log of Test Boring Number: **B-26**

GEU South Apron Reconstruction Phase 2
6801 N. Glen Harbor Boulevard
Glendale, Arizona

Project No.: **221505SB**

_SPEEDIE 221505SB.GPJ GENVEO.GDT 8/2/22

DIBBLE

Glendale ARIZONA

CITY OF GLENDALE
ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) CERTIFICATE NO. 47425 DANIEL H. DANA Date Signed 7/30/26 ARIZONA U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
BORING LOGS 2

Scale NTS
Date 7/30/2026

GT1.03

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ARIZONA811
Call 811 or click ArizonaBlue Stake, Inc.

SHT. 84
OF 86

DSC #

FILE NAME: 20058_14-GT1_00-05 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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Rig Type: **CME-75**
Boring Type: **Hollow Stem Auger**
Surface Elevation: **N/A**

Depth (feet)	Visual Classification	Sample Number	Depth of Sample	Natural Water Content (%)	In-place Dry Density (P.C.F.)	Penetration Resistance Blows per Foot
0	2.0" ASPHALT 0.2; 8" Aggregate Base 0.8					
	Medium Dense Brown CLAYEY SAND (SC-Dry to Moist) with Little Gravel 2.5	S-1	2.5	NT	NT	
	Medium Dense Light Brown SILTY SAND (SM-Dry to Moist) with Little Gravel					
5		S-2	6.5	NT	NT	
	9.0					
10	Medium Dense Light Brown POORLY GRADED (Medium) SAND and SILT (SP/SM-Dry to Moist)					
	11.5 End of Boring	S-3	11.5	NT	NT	
15						

Boring Date: **7-29-22**
Field Engineer/Technician: **R. Bainum**
Driller: **T. Crain**
Contractor: **Resilient Drilling**

Water Level

Depth	Hour	Date
Free Water was Not Encountered		

NT = Not Tested

SPEEDIE AND ASSOCIATES
Log of Test Boring Number: **B-27**
GEU South Apron Reconstruction Phase 2
6801 N. Glen Harbor Boulevard
Glendale, Arizona
Project No.: **221505SB**

_SPEEDIE 221505SB GPJ GENGEO.GDT 9/22/22

Rig Type: **CME-75**
Boring Type: **Hollow Stem Auger**
Surface Elevation: **N/A**

Depth (feet)	Visual Classification	Sample Number	Depth of Sample	Natural Water Content (%)	In-place Dry Density (P.C.F.)	Penetration Resistance Blows per Foot
0	2.5" ASPHALT 0.2; 8" Aggregate Base 0.9					
	Medium Dense Brown CLAYEY SAND (SC-Dry to Moist) with Little Gravel	S-1	2.5	NT	NT	
5		S-2	6.5	NT	NT	
	8.5					
10	Loose Light Brown POORLY GRADED (Medium) SAND (SP-Dry to Moist)					
	11.5 End of Boring	S-3	11.5	NT	NT	
15						

Boring Date: **7-29-22**
Field Engineer/Technician: **R. Bainum**
Driller: **T. Crain**
Contractor: **Resilient Drilling**

Water Level

Depth	Hour	Date
Free Water was Not Encountered		

NT = Not Tested

SPEEDIE AND ASSOCIATES
Log of Test Boring Number: **B-28**
GEU South Apron Reconstruction Phase 2
6801 N. Glen Harbor Boulevard
Glendale, Arizona
Project No.: **221505SB**

_SPEEDIE 221505SB GPJ GENGEO.GDT 9/22/22

Rig Type: **CME-75**
Boring Type: **Hollow Stem Auger**
Surface Elevation: **N/A**

Depth (feet)	Visual Classification	Sample Number	Depth of Sample	Natural Water Content (%)	In-place Dry Density (P.C.F.)	Penetration Resistance Blows per Foot
0	2.5" ASPHALT 0.2					
	Dense Brown CLAYEY SAND (SC-Dry to Moist) with Little Gravel					
	Interbedded layers of SC/SM w/ Little Gravel	S-1	2.5	NT	NT	
5		BS-2	5.0	NT	NT	
		S-3	6.5	NT	NT	
	7.5					
10	Loose Light Brown POORLY GRADED (Medium) SAND with SILT (SP/SM-Moist) with Trace Gravel					
	11.5 End of Boring	S-4	11.5	NT	NT	
15						

Boring Date: **7-29-22**
Field Engineer/Technician: **R. Bainum**
Driller: **T. Crain**
Contractor: **Resilient Drilling**

Water Level

Depth	Hour	Date
Free Water was Not Encountered		

NT = Not Tested

SPEEDIE AND ASSOCIATES
Log of Test Boring Number: **B-29**
GEU South Apron Reconstruction Phase 2
6801 N. Glen Harbor Boulevard
Glendale, Arizona
Project No.: **221505SB**

_SPEEDIE 221505SB GPJ GENGEO.GDT 9/22/22

Rig Type: **CME-75**
Boring Type: **Hollow Stem Auger**
Surface Elevation: **N/A**

Depth (feet)	Visual Classification	Sample Number	Depth of Sample	Natural Water Content (%)	In-place Dry Density (P.C.F.)	Penetration Resistance Blows per Foot
0	3.0" ASPHALT 0.3; 6" Aggregate Base 0.8					
	Probable Fill: Dense Brown CLAYEY SAND (SC-Dry to Moist) with Little Gravel	S-1	2.5	NT	NT	
5	5.0	BS-2	5.0	NT	NT	
	Probable Fill: Very Dense Brown SILTY GRAVEL with SAND (GM-Dry to Moist)					
	Discolored Gray Brown & Organic Odor to 6.5 to 8.5'	S-3	6.5	NT	NT	76/12"
	8.5					
10	Dense Light Brown POORLY GRADED (Fine) SAND with SILT (SP/SM-Dry to Moist) with Trace Gravel					
	11.5 End of Boring	S-4	11.5	NT	NT	
15						

Boring Date: **7-29-22**
Field Engineer/Technician: **R. Bainum**
Driller: **T. Crain**
Contractor: **Resilient Drilling**

Water Level

Depth	Hour	Date
Free Water was Not Encountered		

NT = Not Tested

SPEEDIE AND ASSOCIATES
Log of Test Boring Number: **B-30**
GEU South Apron Reconstruction Phase 2
6801 N. Glen Harbor Boulevard
Glendale, Arizona
Project No.: **221505SB**

_SPEEDIE 221505SB GPJ GENGEO.GDT 9/22/22

Rig Type: **CME-75**
Boring Type: **Hollow Stem Auger**
Surface Elevation: **N/A**

Depth (feet)	Visual Classification	Sample Number	Depth of Sample	Natural Water Content (%)	In-place Dry Density (P.C.F.)	Penetration Resistance Blows per Foot
0	2.5" ASPHALT 0.2; 8" Aggregate Base 0.9					
	FILL: Very Dense Brown CLAYEY SAND (SC-Dry to Moist) with Some Gravel	RS-1	2.0	8.0	120.8	50/6"
	Discolored Gray Brown, Fuel Odor, Metal Trash					
5	5.0 Boring Discontinued Due to Potential Buried Hazard	AS-1	5.0	NT	NT	
10						
15						

Boring Date: **7-29-22**
Field Engineer/Technician: **R. Bainum**
Driller: **T. Crain**
Contractor: **Resilient Drilling**

Water Level

Depth	Hour	Date
Free Water was Not Encountered		

NT = Not Tested

SPEEDIE AND ASSOCIATES
Log of Test Boring Number: **B-31**
GEU South Apron Reconstruction Phase 2
6801 N. Glen Harbor Boulevard
Glendale, Arizona
Project No.: **221505SB**

_SPEEDIE 221505SB GPJ GENGEO.GDT 9/22/22

Rig Type: **CME-75**
Boring Type: **Hollow Stem Auger**
Surface Elevation: **N/A**

Depth (feet)	Visual Classification	Sample Number	Depth of Sample	Natural Water Content (%)	In-place Dry Density (P.C.F.)	Penetration Resistance Blows per Foot
0	2.5" ASPHALT 0.2; 8" Aggregate Base 0.9					
	FILL: Very Stiff Gray Brown SANDY LEAN CLAY (CL-Dry to Moist) with Trace Gravel	S-1	2.5	NT	NT	
	3.0					
	Medium Dense Brown CLAYEY SAND (SC-Dry to Moist) with Little Gravel					
5	Very Dense, 1-10% Cobbles	RS-2	6.0	NT	NT	
	10.5					
10	Medium Dense Light Brown POORLY GRADED (Medium) SAND with SILT (SP/SM-Dry to Moist) with Trace Gravel					
	11.5 End of Boring	S-3	11.5	NT	NT	
15						

Boring Date: **7-29-22**
Field Engineer/Technician: **R. Bainum**
Driller: **T. Crain**
Contractor: **Resilient Drilling**

Water Level

Depth	Hour	Date
Free Water was Not Encountered		

NT = Not Tested

SPEEDIE AND ASSOCIATES
Log of Test Boring Number: **B-32**
GEU South Apron Reconstruction Phase 2
6801 N. Glen Harbor Boulevard
Glendale, Arizona
Project No.: **221505SB**

_SPEEDIE 221505SB GPJ GENGEO.GDT 9/22/22

DIBBLE

Glendale ARIZONA

CITY OF GLENDALE
ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) CERTIFICATE NO. 47425 DANIEL H. DANA Date Signed 07/30/26 ARIZONA U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
BORING LOGS 3

Scale NTS
Date 7/30/2026

GT1.04

Contact Arizona 811 at least two full working days before you begin excavation
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SHT. 85
OF 86

DSC #

FILE NAME: 20058_14-GT1_00-05 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

J:\2024\1024130.03_GEU_SOUTH_APRON_RECON_PHASE_3\CAD\PHASE III\20058_14-GT1_00-05.DWG 3 Aug 2026 7:13 AM

Rig Type: **CME-75**
Boring Type: **Hollow Stem Auger**
Surface Elevation: **N/A**

Visual Classification	Depth (feet)
3.0" ASPHALT	0.3
6" Aggregate Base	0.9
Medium Dense Light Brown to Brown CLAYEY SAND (SC-Dry to Moist) with Little Gravel	
Interbedded Layers of SM	
Dense	
	8.0
Medium Dense Light Brown POORLY GRADED (Medium) SAND with SILT (SP/SM-Dry to Moist) with Trace Gravel	
End of Boring	11.5

Sample Number	Depth of Sample	Natural Water Content (%)	In-place Dry Density (P.C.F.)
S-1	2.5	NT	NT
S-2	6.5	NT	NT
S-3	11.5	NT	NT

Penetration Resistance Blows per Foot

Boring Date: **7-29-22**
Field Engineer/Technician: **R. Bainum**
Driller: **T. Crain**
Contractor: **Resilient Drilling**

Water Level

Depth	Hour	Date
Free Water was Not Encountered		

NT = Not Tested

SPEEDIE AND ASSOCIATES
Log of Test Boring Number: **B-33**
GEU South Apron Reconstruction Phase 2
6801 N. Glen Harbor Boulevard
Glendale, Arizona
Project No.: **221505SB**

_SPEEDIE 221505SB GPJ GENGEO.GDT 9/22/22

Rig Type: **CME-75**
Boring Type: **Hollow Stem Auger**
Surface Elevation: **N/A**

Visual Classification	Depth (feet)
2.5" ASPHALT	0.2
8" Aggregate Base	0.9
FILL: Light Brown to Brown CLAYEY SAND (SC-Dry to Moist) with Some Gravel	
	2.5
Encountered Concrete	3.0
Boring Discontinued Due to Potential Utility	

Sample Number	Depth of Sample	Natural Water Content (%)	In-place Dry Density (P.C.F.)
BS-2	3.0	NT	NT

Penetration Resistance Blows per Foot

Boring Date: **7-29-22**
Field Engineer/Technician: **R. Bainum**
Driller: **T. Crain**
Contractor: **Resilient Drilling**

Water Level

Depth	Hour	Date
Free Water was Not Encountered		

NT = Not Tested

SPEEDIE AND ASSOCIATES
Log of Test Boring Number: **B-34**
GEU South Apron Reconstruction Phase 2
6801 N. Glen Harbor Boulevard
Glendale, Arizona
Project No.: **221505SB**

_SPEEDIE 221505SB GPJ GENGEO.GDT 9/22/22

Rig Type: **CME-75**
Boring Type: **Hollow Stem Auger**
Surface Elevation: **N/A**

Visual Classification	Depth (feet)
2.75" ASPHALT	0.2
8" Aggregate Base	0.9
Dense Brown SILTY, CLAYEY SAND (SC/SM-Dry to Moist) with Little Gravel	
	3.0
Medium Dense Brown CLAYEY SAND (SC-Dry to Moist) with Some Gravel	
	6.5
Dense Brown CLAYEY GRAVEL with SAND (GC-Dry to Moist) with 1-10% Cobbles	
End of Boring	11.5

Sample Number	Depth of Sample	Natural Water Content (%)	In-place Dry Density (P.C.F.)	Penetration Resistance Blows per Foot
S-1	2.5	NT	NT	
S-2	6.5	NT	NT	
S-3	11.5	NT	NT	58/12"

Boring Date: **7-29-22**
Field Engineer/Technician: **R. Bainum**
Driller: **T. Crain**
Contractor: **Resilient Drilling**

Water Level

Depth	Hour	Date
Free Water was Not Encountered		

NT = Not Tested

SPEEDIE AND ASSOCIATES
Log of Test Boring Number: **B-35**
GEU South Apron Reconstruction Phase 2
6801 N. Glen Harbor Boulevard
Glendale, Arizona
Project No.: **221505SB**

_SPEEDIE 221505SB GPJ GENGEO.GDT 9/22/22

Rig Type: **CME-75**
Boring Type: **Hollow Stem Auger**
Surface Elevation: **N/A**

Visual Classification	Depth (feet)
2.75" ASPHALT	0.2
6" Aggregate Base	0.7
Medium Dense Brown SILTY SAND (SM-Dry to Moist) with Trace Gravel	
	3.5
Dense Gray Brown CLAYEY SAND (SC-Dry to Moist) with Trace Gravel	
	7.0
Medium Dense Light Brown POORLY GRADED (Fine) SAND (SP-Dry to Moist)	
End of Boring	11.5

Sample Number	Depth of Sample	Natural Water Content (%)	In-place Dry Density (P.C.F.)
RS-1	2.0	18.5	108.3
S-2	6.5	NT	NT
S-3	11.5	NT	NT

Penetration Resistance Blows per Foot

Boring Date: **7-29-22**
Field Engineer/Technician: **R. Bainum**
Driller: **T. Crain**
Contractor: **Resilient Drilling**

Water Level

Depth	Hour	Date
Free Water was Not Encountered		

NT = Not Tested

SPEEDIE AND ASSOCIATES
Log of Test Boring Number: **B-36**
GEU South Apron Reconstruction Phase 2
6801 N. Glen Harbor Boulevard
Glendale, Arizona
Project No.: **221505SB**

_SPEEDIE 221505SB GPJ GENGEO.GDT 9/22/22

Rig Type: **CME-75**
Boring Type: **Hollow Stem Auger**
Surface Elevation: **N/A**

Visual Classification	Depth (feet)
2.5" ASPHALT	0.2
8" Aggregate Base	0.9
Dense Brown SILTY SAND (SM-Moist) with Little Gravel	
	5.0
Medium Dense Gray Brown CLAYEY SAND (SC-Dry to Moist) with Some Gravel	
	8.0
Dense Light Brown POORLY GRADED (Fine) SAND with SILT (SP/SM-Dry to Moist) with Little Gravel	
End of Boring	11.5

Sample Number	Depth of Sample	Natural Water Content (%)	In-place Dry Density (P.C.F.)	Penetration Resistance Blows per Foot
S-1	2.5	NT	NT	61/12"
BS-2	5.0	NT	NT	
S-3	6.5	NT	NT	
S-4	11.5	NT	NT	

Boring Date: **7-29-22**
Field Engineer/Technician: **R. Bainum**
Driller: **T. Crain**
Contractor: **Resilient Drilling**

Water Level

Depth	Hour	Date
Free Water was Not Encountered		

NT = Not Tested

SPEEDIE AND ASSOCIATES
Log of Test Boring Number: **B-37**
GEU South Apron Reconstruction Phase 2
6801 N. Glen Harbor Boulevard
Glendale, Arizona
Project No.: **221505SB**

_SPEEDIE 221505SB GPJ GENGEO.GDT 9/22/22

Rig Type: **CME-75**
Boring Type: **Hollow Stem Auger**
Surface Elevation: **N/A**

Visual Classification	Depth (feet)
2.75" ASPHALT	0.2
Dense Light Brown to Brown SILTY SAND (SM-Dry to Moist) with Little Gravel	
Medium Dense	
	8.0
Medium Dense Light Brown POORLY GRADED (Fine) SAND with SILT (SP/SM-Dry to Moist)	
End of Boring	11.5

Sample Number	Depth of Sample	Natural Water Content (%)	In-place Dry Density (P.C.F.)
S-1	2.5	NT	NT
S-2	6.5	NT	NT
S-3	11.5	NT	NT

Penetration Resistance Blows per Foot

Boring Date: **7-29-22**
Field Engineer/Technician: **R. Bainum**
Driller: **T. Crain**
Contractor: **Resilient Drilling**

Water Level

Depth	Hour	Date
Free Water was Not Encountered		

NT = Not Tested

SPEEDIE AND ASSOCIATES
Log of Test Boring Number: **B-38**
GEU South Apron Reconstruction Phase 2
6801 N. Glen Harbor Boulevard
Glendale, Arizona
Project No.: **221505SB**

_SPEEDIE 221505SB GPJ GENGEO.GDT 9/22/22

DIBBLE

Glendale ARIZONA

CITY OF GLENDALE
ENGINEERING DEPARTMENT
5850 W. GLENDALE AVE.
GLENDALE, ARIZONA 85301 (623) 930-3630

Registered Professional Engineer (Civil) CERTIFICATE NO. 47425 DANIEL H. DANA Date Signed 7/30/26 ARIZONA U.S.A.

Designed	Drawn	Checked
DS	DSO	VG

No.	Date	Description

REVISIONS

GLENDALE REGIONAL AIRPORT
SOUTH APRON RECONSTRUCTION PHASE III
6801 N GLEN HARBOR BLVD. STE 201, GLENDALE, AZ 85307
BORING LOGS 4

Scale NTS
Date 7/30/2026

GT1.05

Contact Arizona 811 at least two full working days before you begin excavation
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FILE NAME: 20058_14-GT1_00-05 PLOTTING DATE: 08.03.2026 REVISION DATE: AUTOCAD VER.: 2026

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